

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055480.D
 Acq On : 8 May 2019 17:24
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: May 09 03:44:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	711208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1256737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1075926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	231012	24.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.14%	
35) Dibromofluoromethane	7.59	113	172359	20.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.66%	
50) Toluene-d8	10.09	98	675268	22.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.48%	
62) 4-Bromofluorobenzene	12.40	95	222476	23.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	145456	17.446	ug/l 99
3) Chloromethane	2.06	50	238342	21.929	ug/l 99
4) Vinyl Chloride	2.19	62	228247	25.203	ug/l 99
5) Bromomethane	2.55	94	125006	25.767	ug/l 99
6) Chloroethane	2.69	64	134850	27.102	ug/l 96
7) Trichlorofluoromethane	3.01	101	251227	20.329	ug/l 97
8) Diethyl Ether	3.41	74	111800	24.877	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156938	21.182	ug/l 99
10) Methyl Iodide	3.95	142	223233	21.467	ug/l 100
11) Tert butyl alcohol	4.82	59	164307	219.672	ug/l 98
12) 1,1-Dichloroethene	3.73	96	159382	22.300	ug/l 99
13) Acrolein	3.61	56	106031	197.643	ug/l 100
14) Allyl chloride	4.32	41	324552	21.928	ug/l 99
15) Acrylonitrile	5.00	53	527408	159.041	ug/l 99
16) Acetone	3.82	43	521063	160.692	ug/l 98
17) Carbon Disulfide	4.04	76	427636	22.823	ug/l 100
18) Methyl Acetate	4.33	43	221548	24.718	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	534097	25.814	ug/l 99
20) Methylene Chloride	4.55	84	202121	22.331	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	173249	22.818	ug/l 93
22) Diisopropyl ether	5.96	45	680875	23.028	ug/l 97
23) Vinyl Acetate	5.90	43	2672063	133.588	ug/l 99
24) 1,1-Dichloroethane	5.85	63	357132	22.670	ug/l 100
25) 2-Butanone	6.85	43	744969	174.881	ug/l 100
26) 2,2-Dichloropropane	6.82	77	225337	21.011	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	201054	23.161	ug/l 99
28) Bromochloromethane	7.20	49	197440	24.580	ug/l 99
29) Tetrahydrofuran	7.22	42	478332	175.272	ug/l 99
30) Chloroform	7.37	83	332161	22.324	ug/l 96
31) Cyclohexane	7.65	56	349831	23.154	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	253226	21.155	ug/l 99
36) 1,1-Dichloropropene	7.79	75	250411	20.481	ug/l 99
37) Ethyl Acetate	6.94	43	288346	28.607	ug/l 99
38) Carbon Tetrachloride	7.77	117	205109	17.888	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	299842	22.761	ug/l	99
40) Benzene	8.04	78	789197	21.841	ug/l	100
41) Methacrylonitrile	7.18	41	132727	25.486	ug/l	96
42) 1,2-Dichloroethane	8.13	62	270937	21.265	ug/l	100
43) Isopropyl Acetate	8.17	43	426576	26.781	ug/l	99
44) Trichloroethene	8.84	130	180848	19.875	ug/l	97
45) 1,2-Dichloropropane	9.12	63	221992	21.380	ug/l	99
46) Dibromomethane	9.21	93	129457	22.540	ug/l	99
47) Bromodichloromethane	9.40	83	246384	20.389	ug/l	98
48) Methyl methacrylate	9.20	41	201164	25.839	ug/l	99
49) 1,4-Dioxane	9.20	88	79816	825.359	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1398448	150.436	ug/l	99
52) Toluene	10.16	92	460373	22.184	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	238884	22.398	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	287276	21.759	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	184224	23.616	ug/l	98
56) Ethyl methacrylate	10.43	69	267886	26.843	ug/l	100
57) 1,3-Dichloropropane	10.71	76	325040	23.660	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	360249	133.031	ug/l	99
59) 2-Hexanone	10.75	43	989597	165.141	ug/l	99
60) Dibromochloromethane	10.90	129	167679	21.499	ug/l	98
61) 1,2-Dibromoethane	11.00	107	175689	24.133	ug/l	99
64) Tetrachloroethene	10.63	164	177092	20.010	ug/l	99
65) Chlorobenzene	11.43	112	446922	20.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156549	19.117	ug/l	98
67) Ethyl Benzene	11.51	91	844445	21.846	ug/l	100
68) m/p-Xylenes	11.62	106	612682	44.301	ug/l	99
69) o-Xylene	11.95	106	299897	21.872	ug/l	100
70) Styrene	11.96	104	494855	23.382	ug/l	99
71) Bromoform	12.13	173	107337	22.958	ug/l #	98
73) Isopropylbenzene	12.25	105	803889	19.291	ug/l	99
74) N-amyl acetate	12.07	43	325279	28.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256692	23.272	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	307972	31.069	ug/l #	100
77) Bromobenzene	12.53	156	174943	18.561	ug/l	98
78) n-propylbenzene	12.59	91	897039	20.794	ug/l	100
79) 2-Chlorotoluene	12.67	91	553666	20.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	661652	20.065	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62090	26.132	ug/l	95
82) 4-Chlorotoluene	12.77	91	521967	20.735	ug/l	100
83) tert-Butylbenzene	12.99	119	568956	19.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	626363	21.245	ug/l	99
85) sec-Butylbenzene	13.17	105	757004	21.049	ug/l	100
86) p-Isopropyltoluene	13.29	119	625040	21.176	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288537	20.552	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279255	21.110	ug/l	98
89) n-Butylbenzene	13.62	91	481010	22.602	ug/l	100
90) Hexachloroethane	13.87	117	99342	18.102	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	289279	20.769	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38863	31.895	ug/l	98

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Response via : Initial Calibration

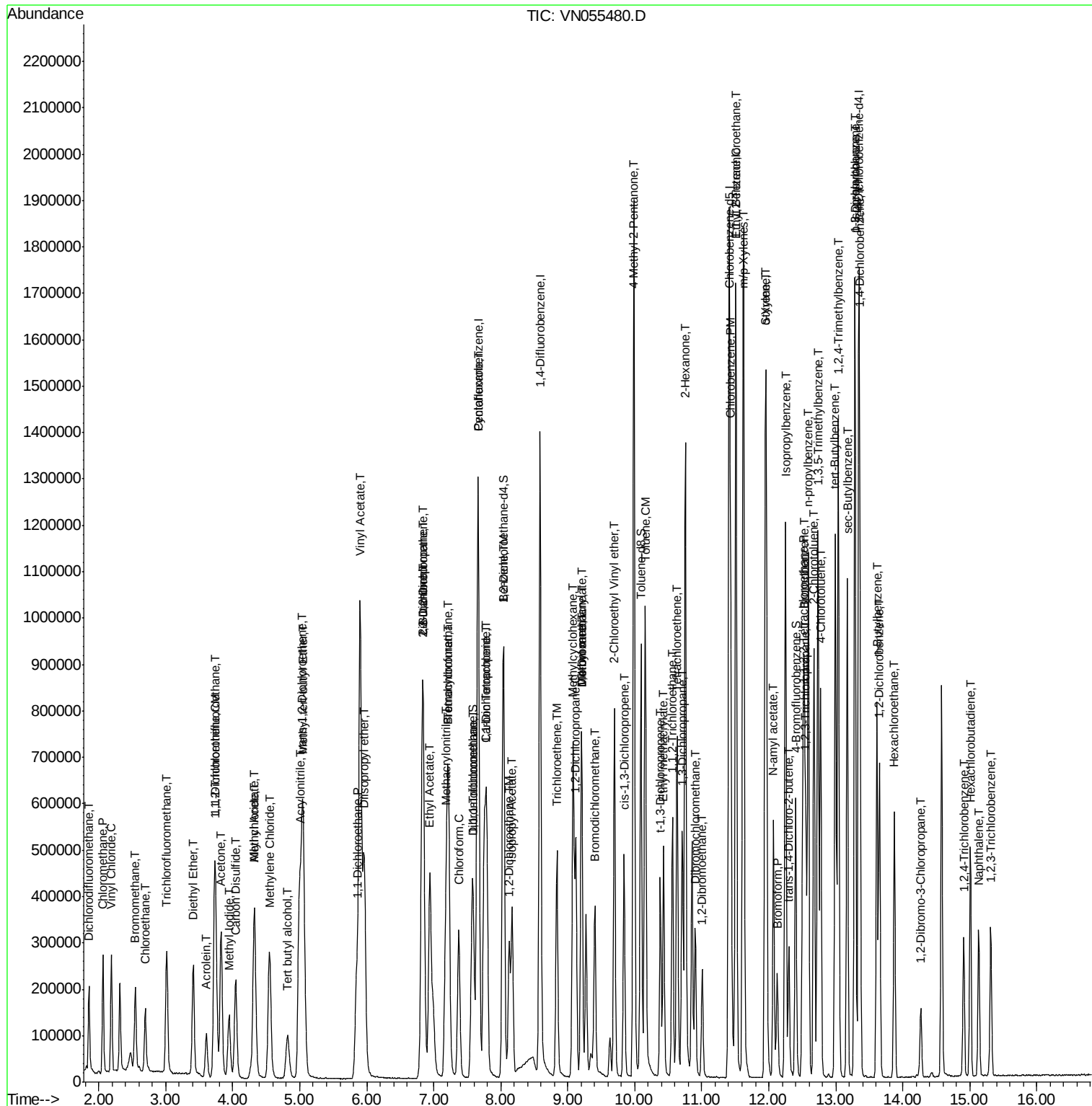
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95250	21.432	ug/l	99
94) Hexachlorobutadiene	15.01	225	96777	18.939	ug/l	99
95) Naphthalene	15.13	128	268443	26.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	109969	23.606	ug/l	100

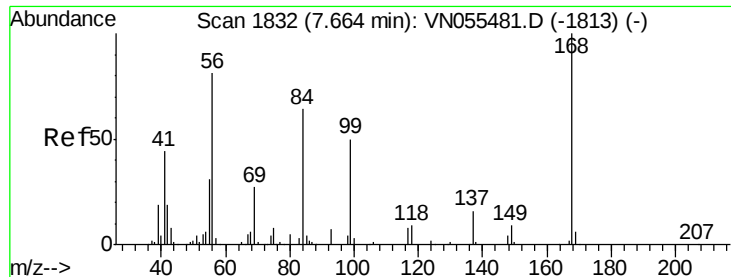
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 03:36:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

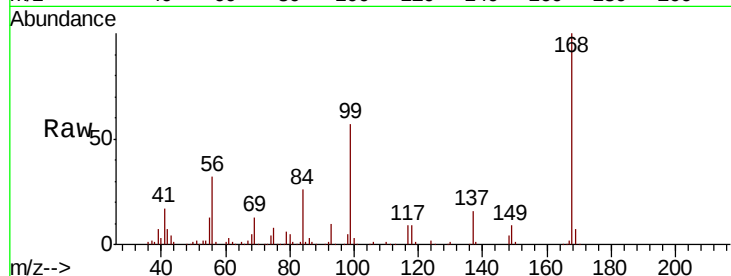
VSTDIC020

Tot Ion:168 Resp: 711208

Ion Ratio Lower Upper

168 100

99 55.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

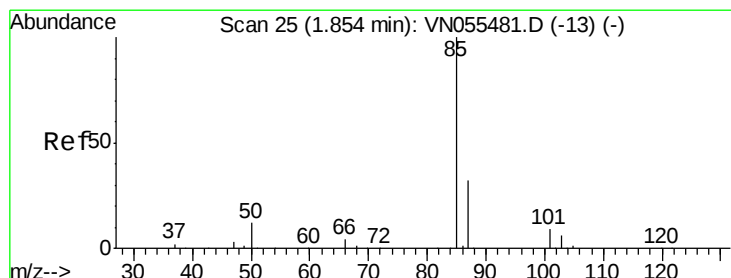
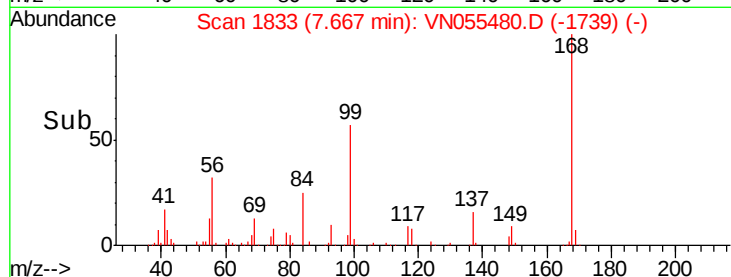
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.446 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055480.D

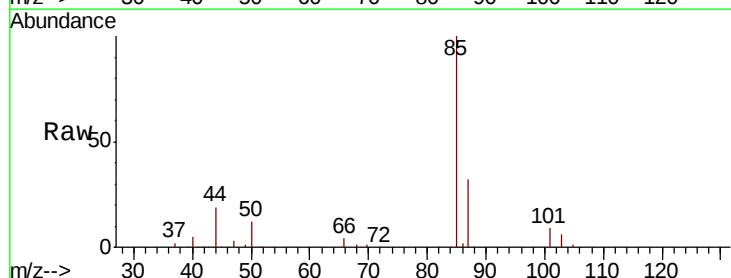
Acq: 8 May 2019 17:24

Tgt Ion: 85 Resp: 145456

Ion Ratio Lower Upper

85 100

87 31.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

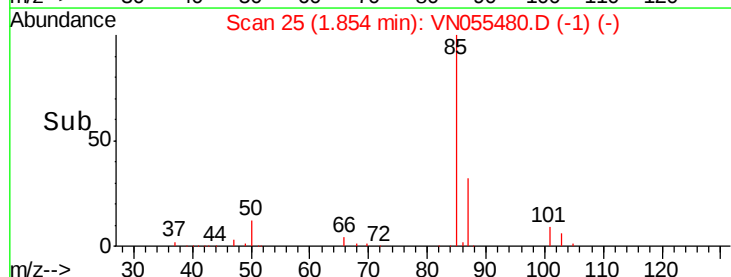
40000

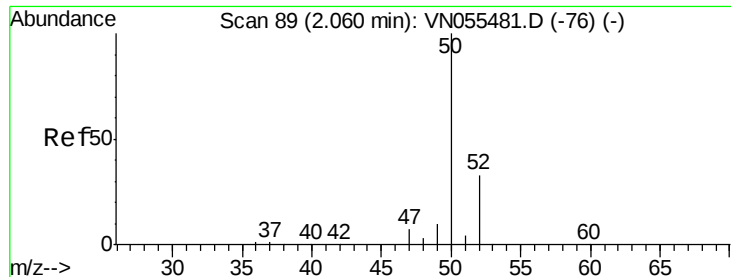
20000

0

1.80 1.90 2.00

Time-->

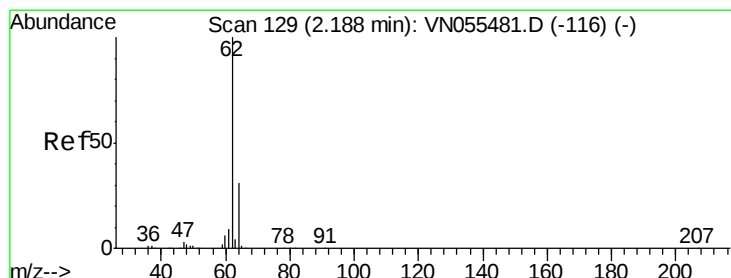
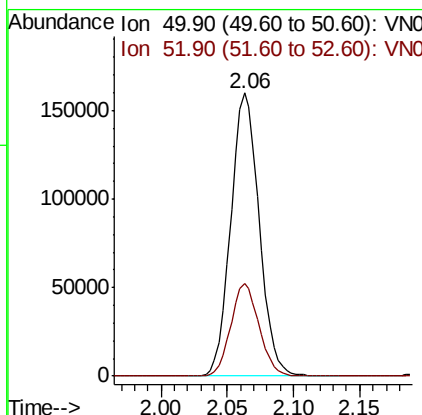
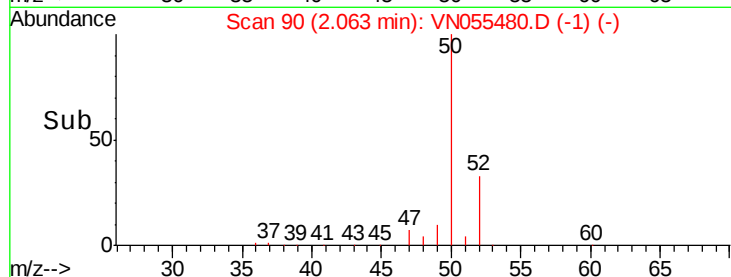
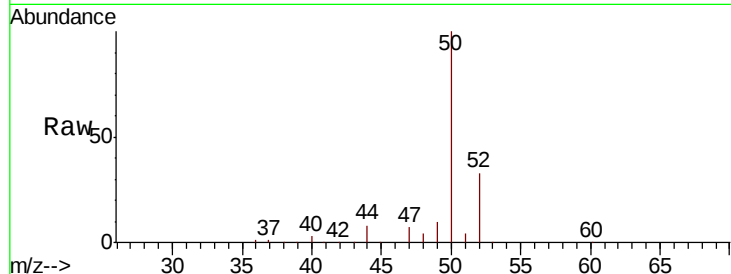




#3
 Chloromethane
 Concen: 21.929 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

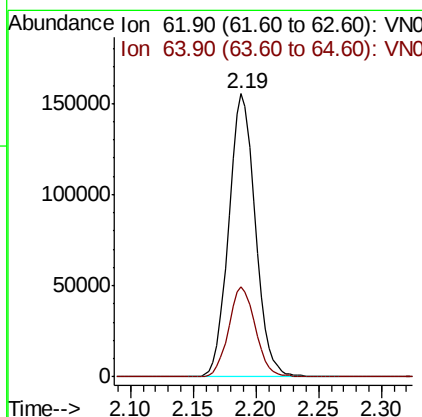
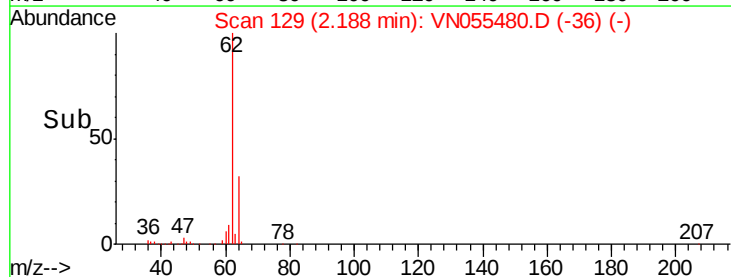
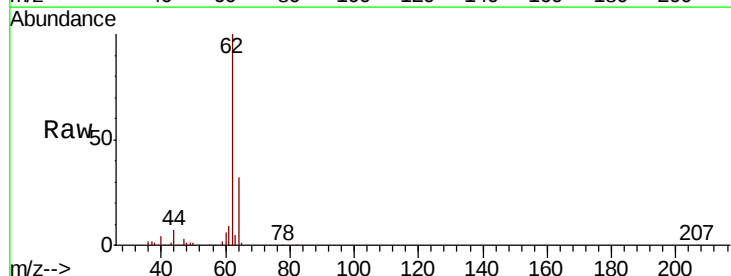
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

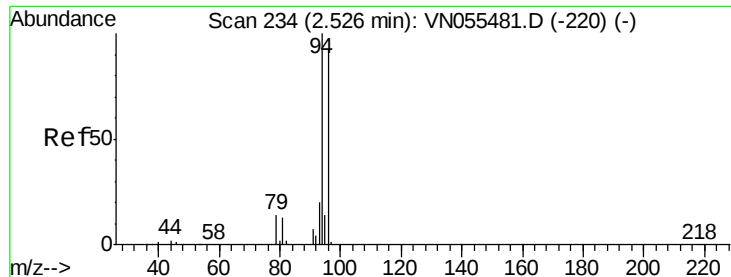
Tot Ion: 50 Resp: 238342
 Ion Ratio Lower Upper
 50 100
 52 32.9 26.6 39.8



#4
 Vinyl Chloride
 Concen: 25.203 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 62 Resp: 228247
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.0 37.6





#5

Bromomethane

Concen: 25.767 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

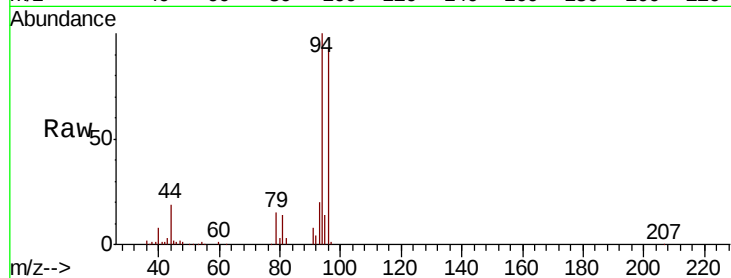
VSTDIC020

Tot Ion: 94 Resp: 125006

Ion Ratio Lower Upper

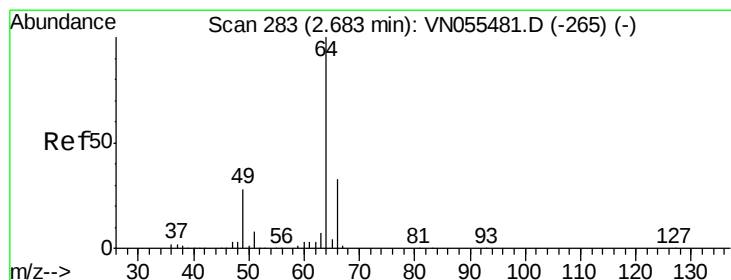
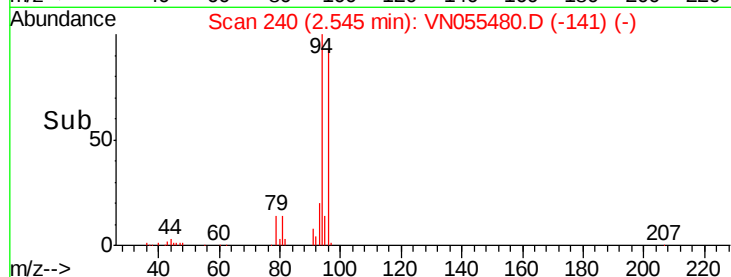
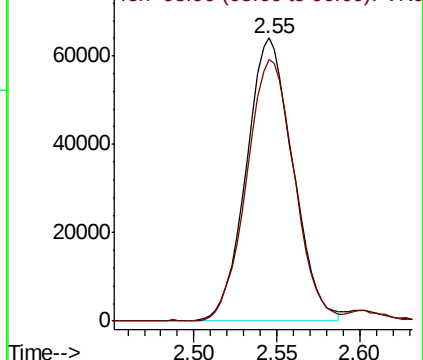
94 100

96 92.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 27.102 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055480.D

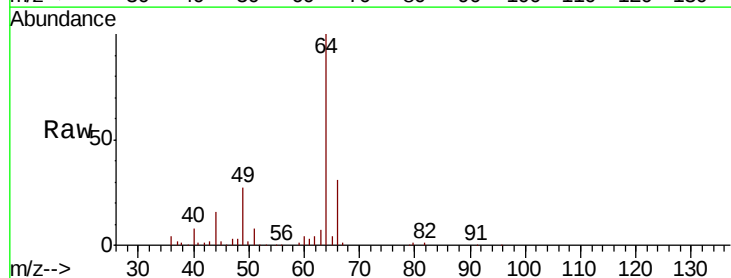
Acq: 8 May 2019 17:24

Tgt Ion: 64 Resp: 134850

Ion Ratio Lower Upper

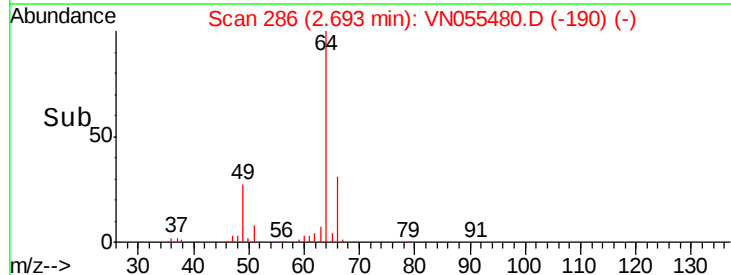
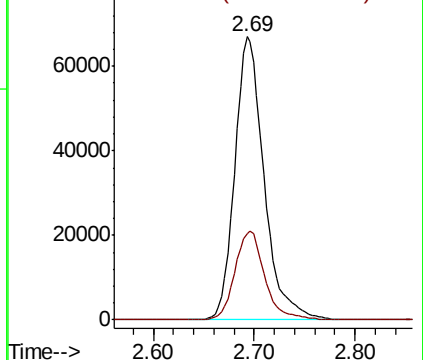
64 100

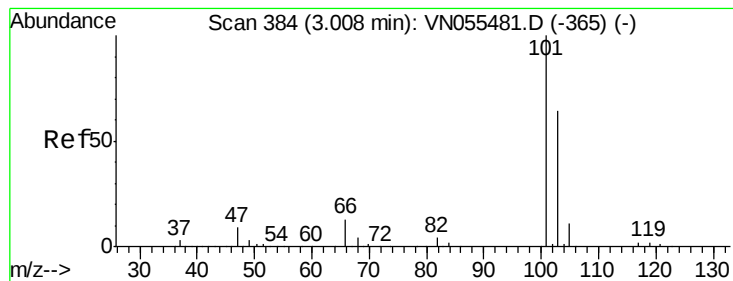
66 30.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



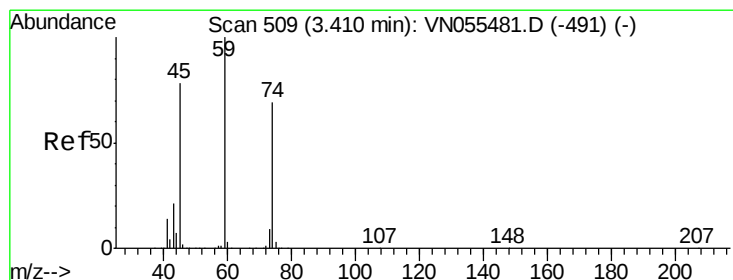
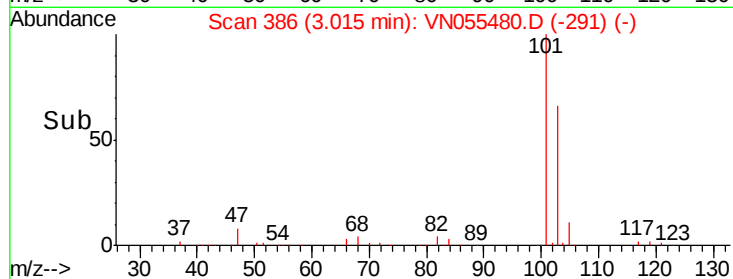
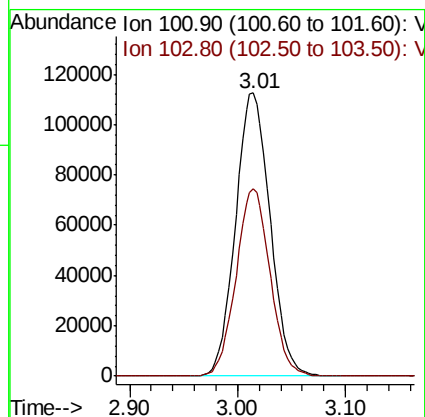
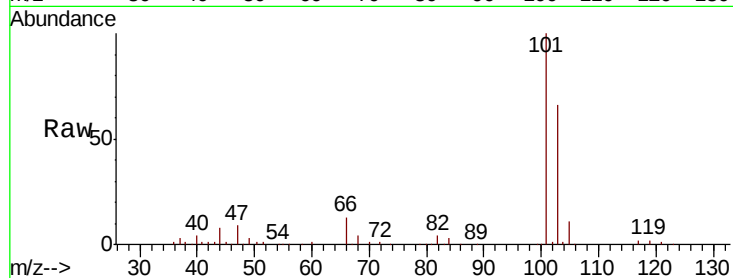


#7

Trichlorofluoromethane
 Concen: 20.329 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

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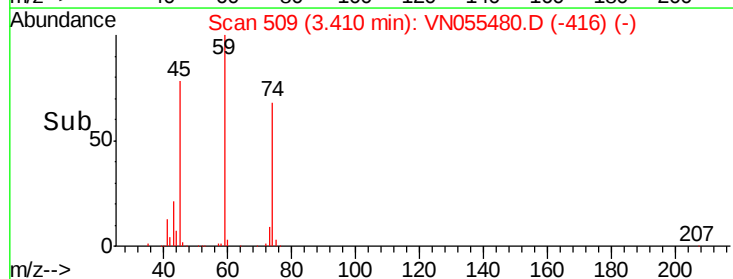
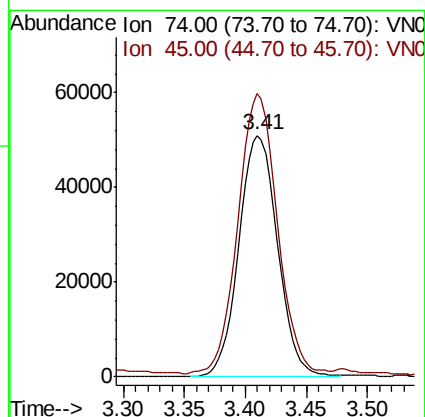
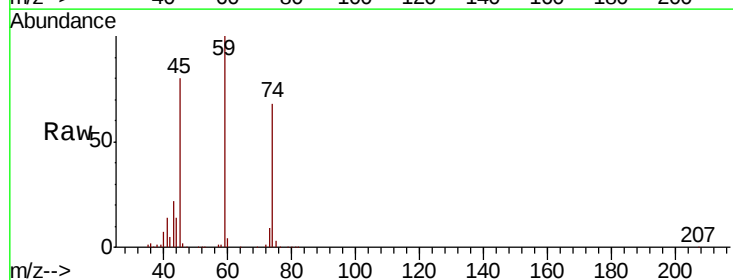
Tot Ion:101 Resp: 251227
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.2 76.8

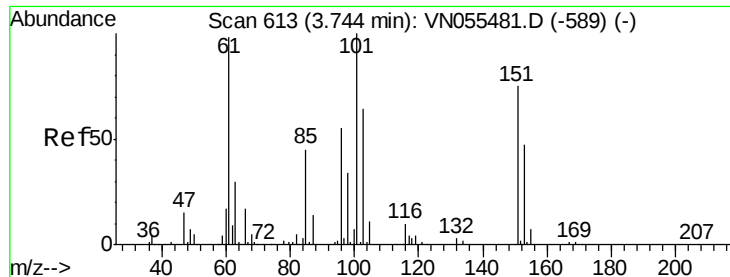


#8

Diethyl Ether
 Concen: 24.877 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 74 Resp: 111800
 Ion Ratio Lower Upper
 74 100
 45 117.3 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.182 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

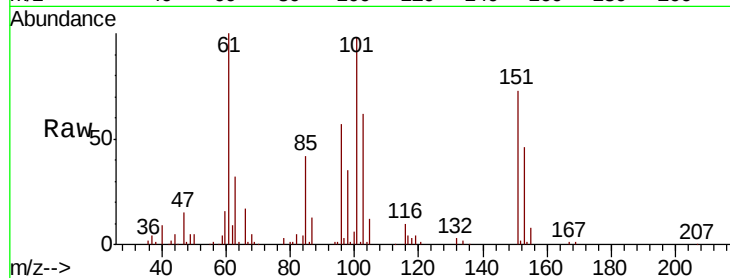
Tot Ion:101 Resp: 156938

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

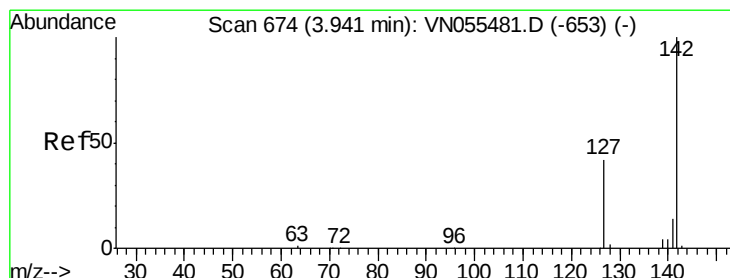
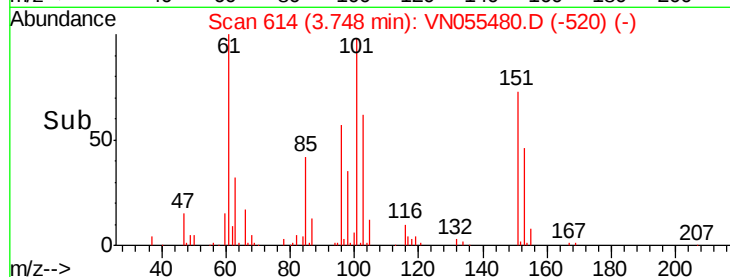
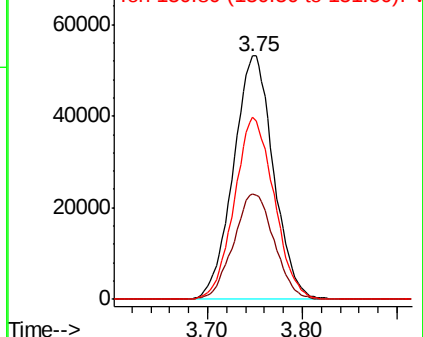
151 73.8 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.467 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

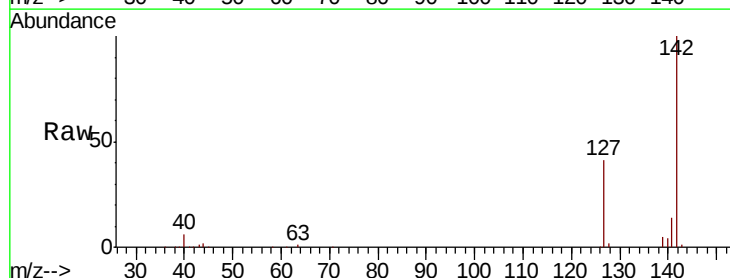
Tgt Ion:142 Resp: 223233

Ion Ratio Lower Upper

142 100

127 41.1 33.0 49.4

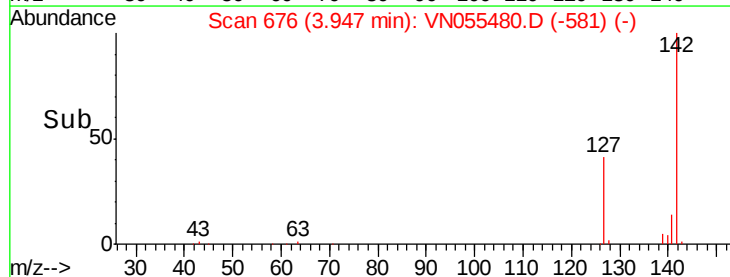
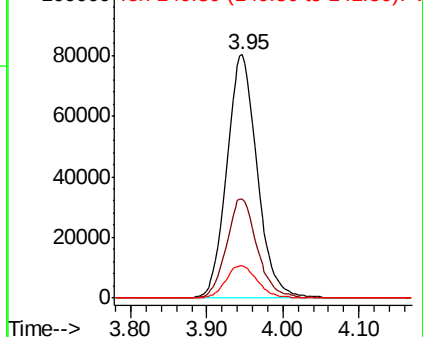
141 13.9 11.4 17.0

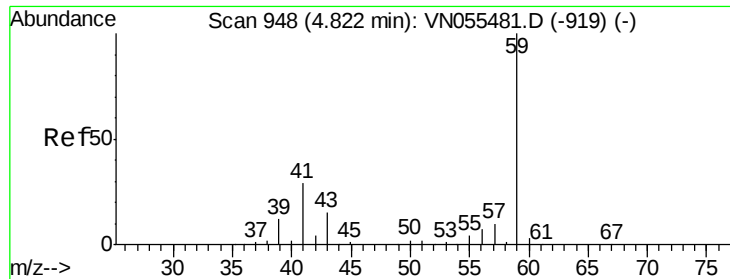


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

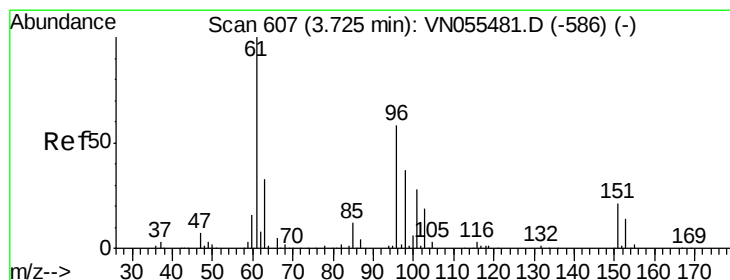
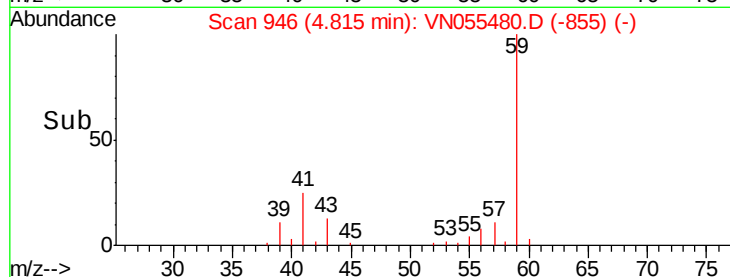
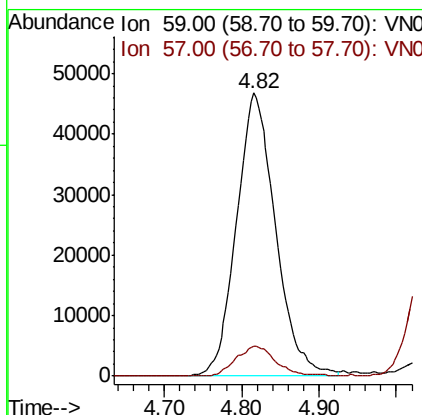
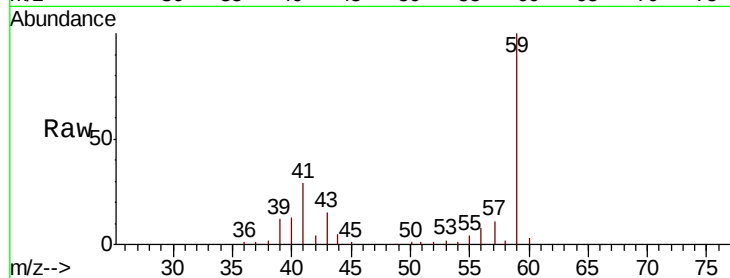




#11
Tert butyl alcohol
Concen: 219.672 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

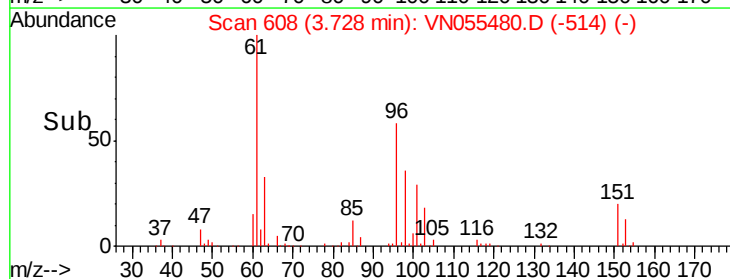
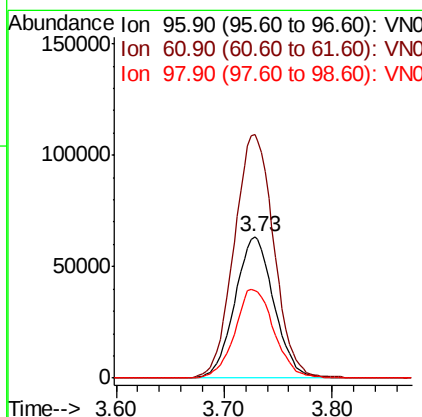
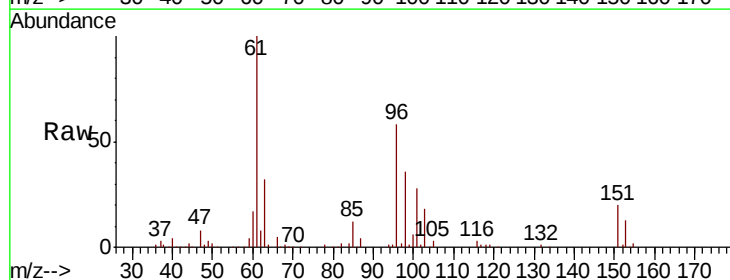
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

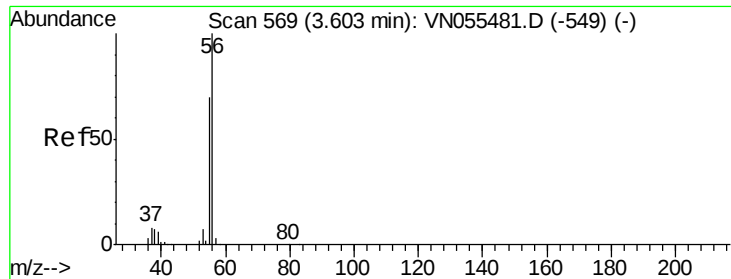
Tot Ion: 59 Resp: 164307
Ion Ratio Lower Upper
59 100
57 10.7 8.0 12.0



#12
1,1-Dichloroethene
Concen: 22.300 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 96 Resp: 159382
Ion Ratio Lower Upper
96 100
61 171.6 138.7 208.1
98 62.0 50.6 76.0





#13

Acrolein

Concen: 197.643 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

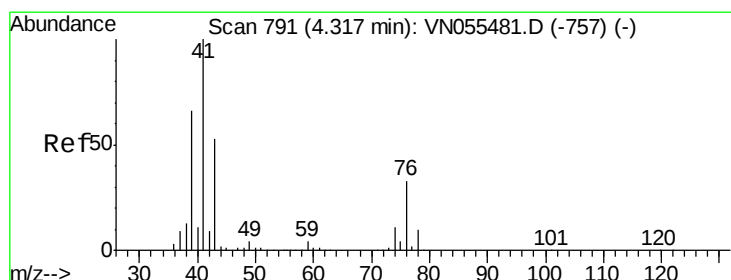
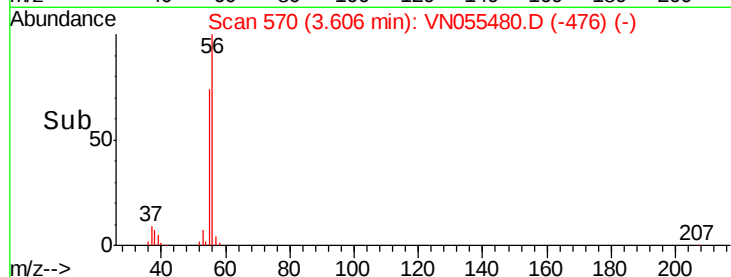
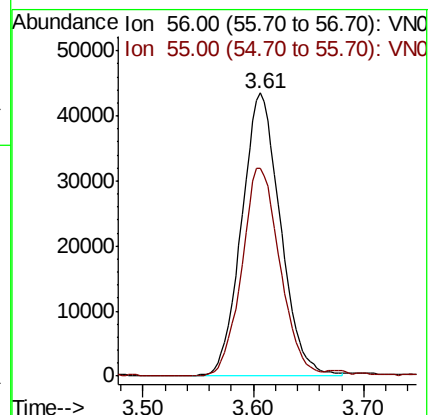
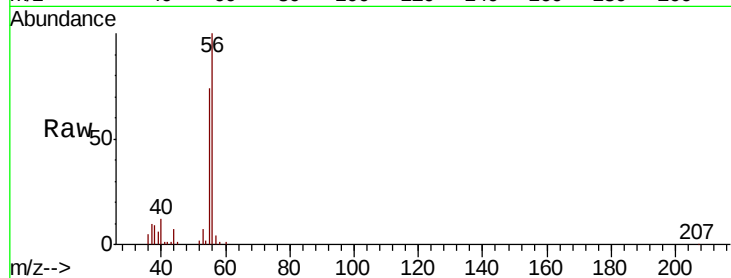
VSTDIC020

Tot Ion: 56 Resp: 106031

Ion Ratio Lower Upper

56 100

55 72.3 57.7 86.5



#14

Allyl chloride

Concen: 21.928 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

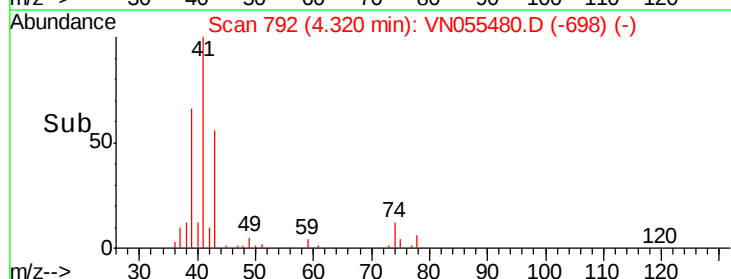
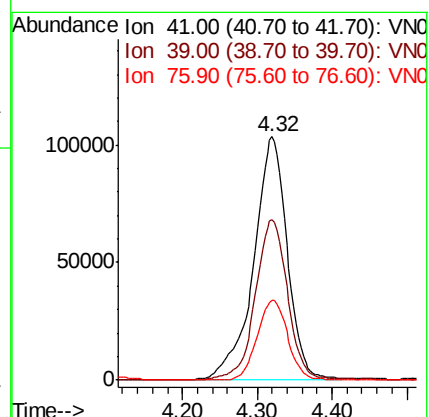
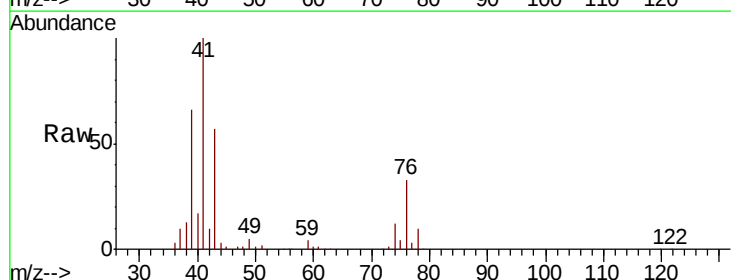
Tgt Ion: 41 Resp: 324552

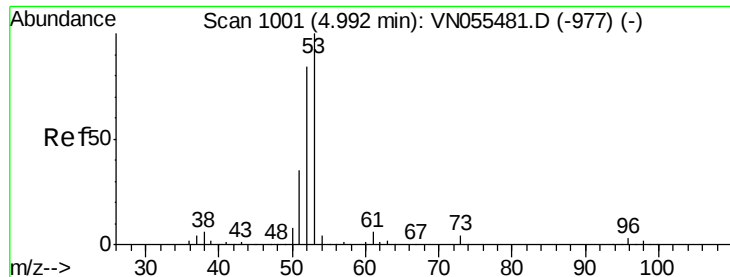
Ion Ratio Lower Upper

41 100

39 63.2 49.8 74.8

76 29.7 23.5 35.3





#15

Acrylonitrile

Concen: 159.041 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

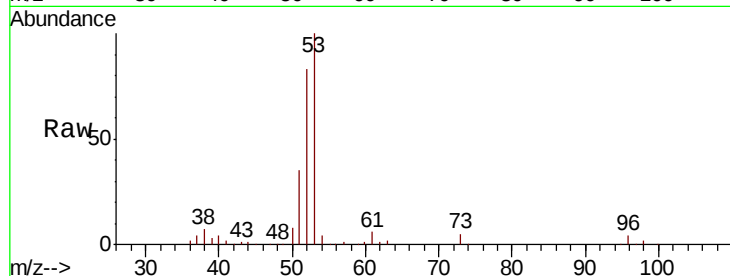
MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 53 Resp: 527408

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.1	99.1
51	35.9	28.3	42.5

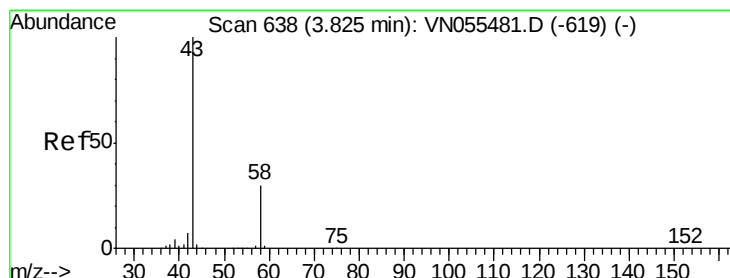
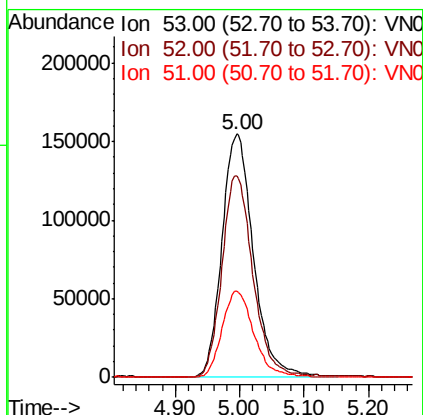
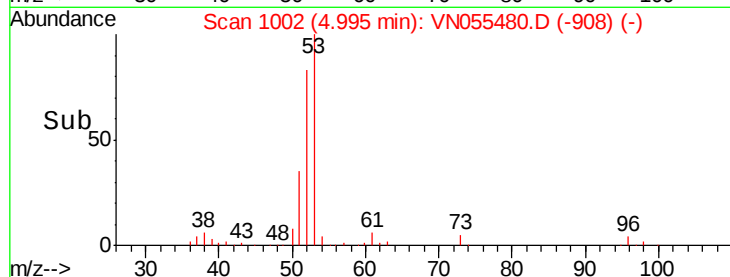


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 160.692 ug/l

RT: 3.82 min Scan# 638

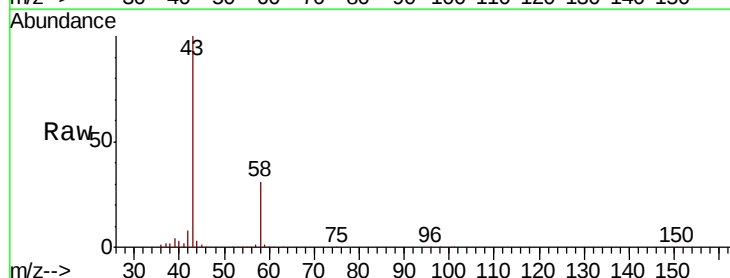
Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion: 43 Resp: 521063

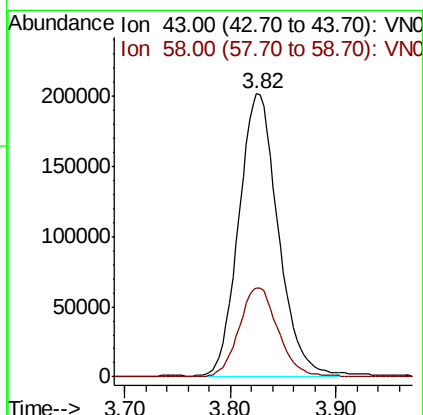
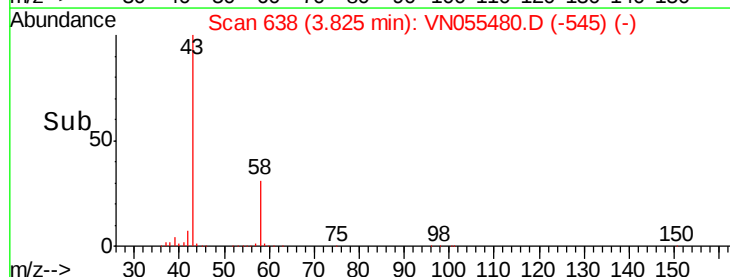
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.2	36.2

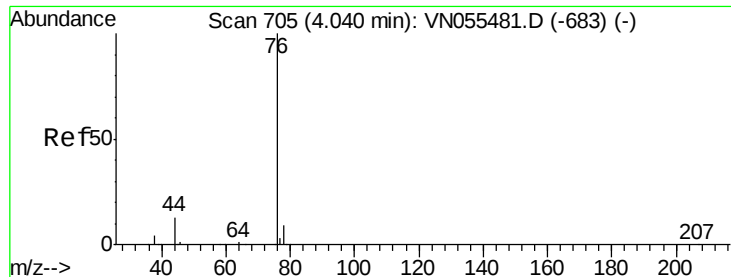


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

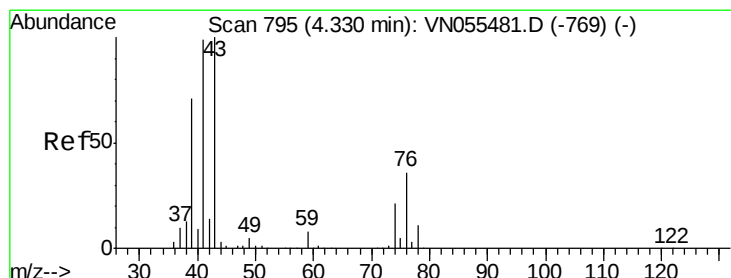
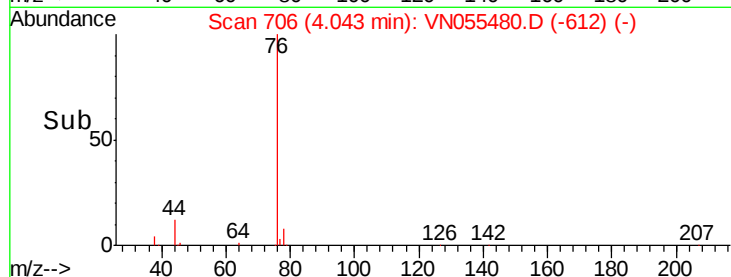
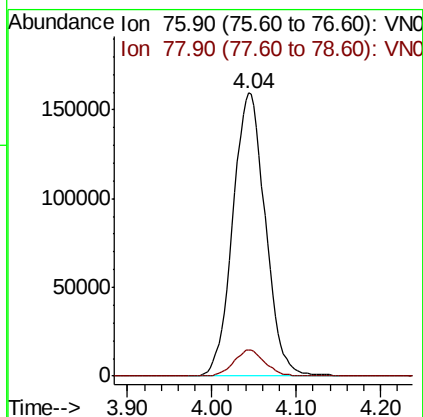
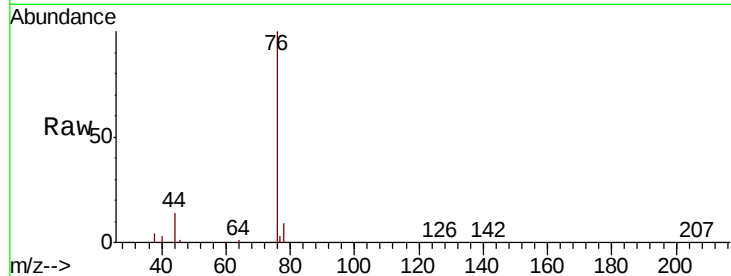




#17
Carbon Disulfide
Concen: 22.823 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

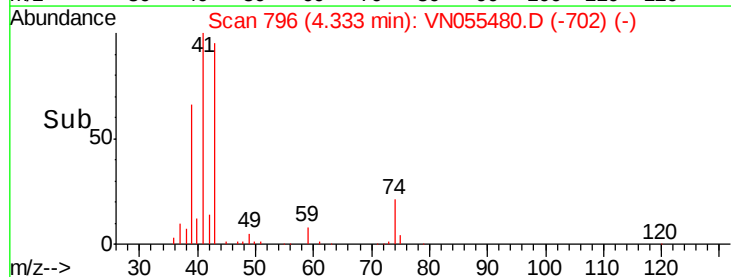
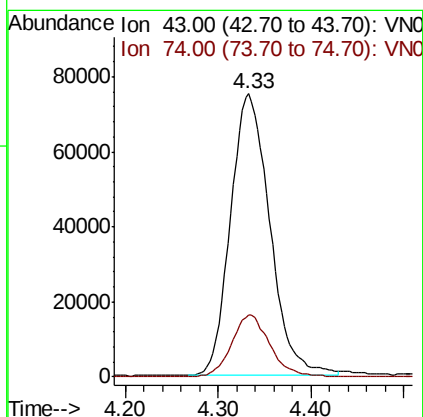
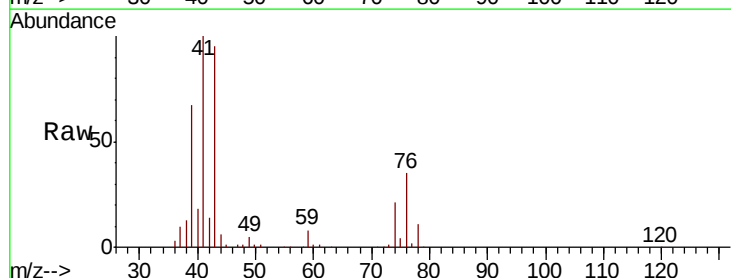
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

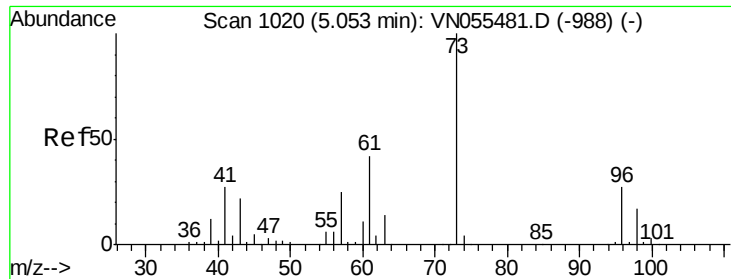
Tot Ion: 76 Resp: 427636
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 24.718 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 43 Resp: 221548
Ion Ratio Lower Upper
43 100
74 21.5 16.3 24.5

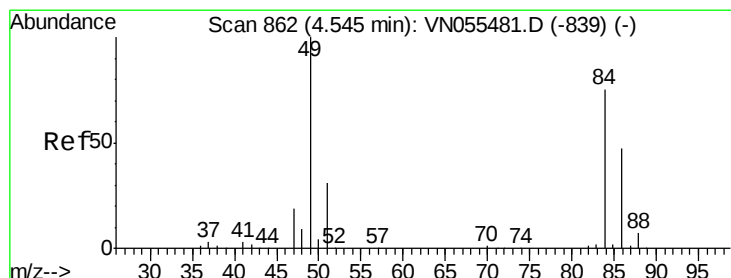
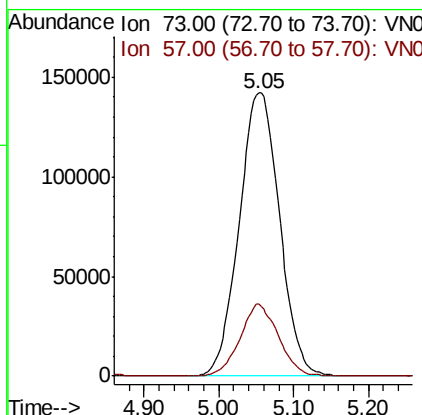
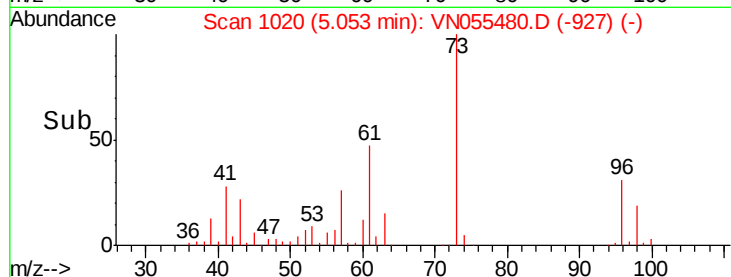
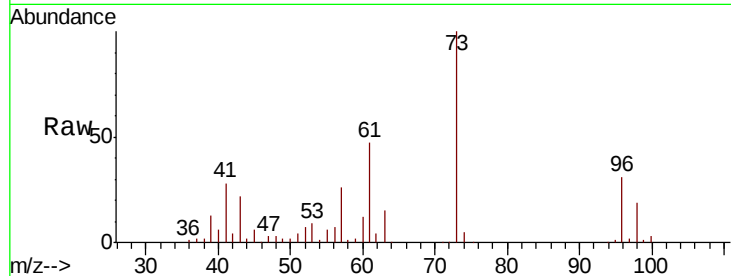




#19
Methyl tert-butyl Ether
Concen: 25.814 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

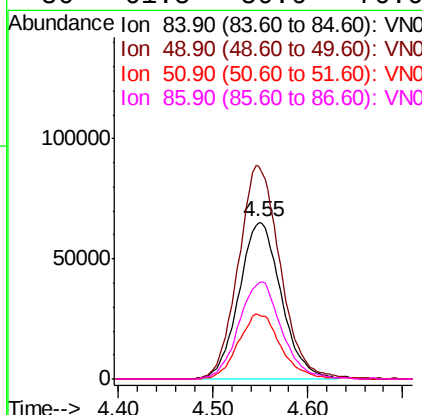
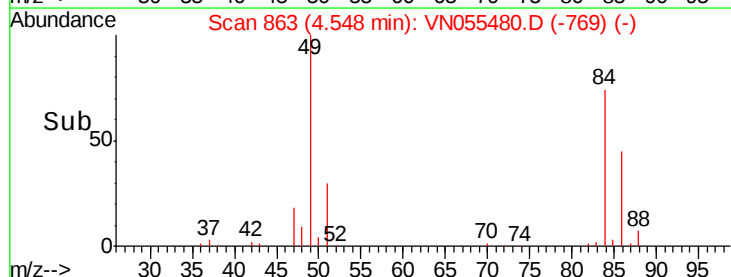
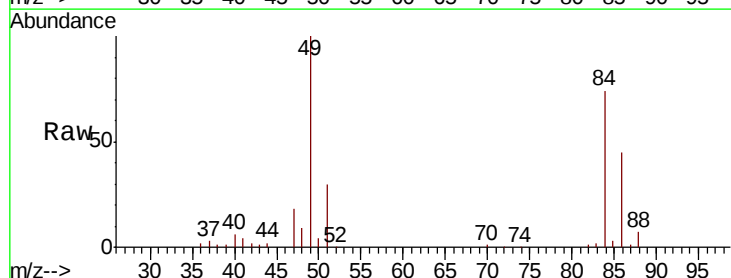
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

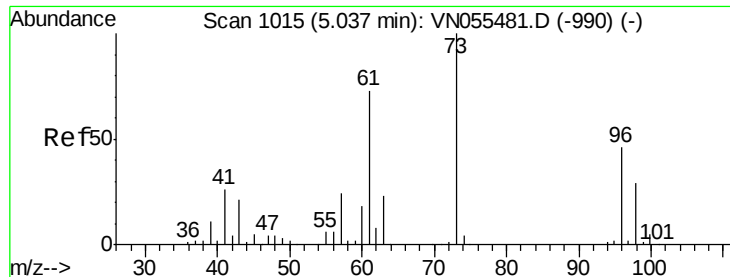
Tot Ion: 73 Resp: 534097
Ion Ratio Lower Upper
73 100
57 25.6 20.0 30.0



#20
Methylene Chloride
Concen: 22.331 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 84 Resp: 202121
Ion Ratio Lower Upper
84 100
49 135.9 107.0 160.6
51 40.9 33.0 49.4
86 61.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 22.818 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

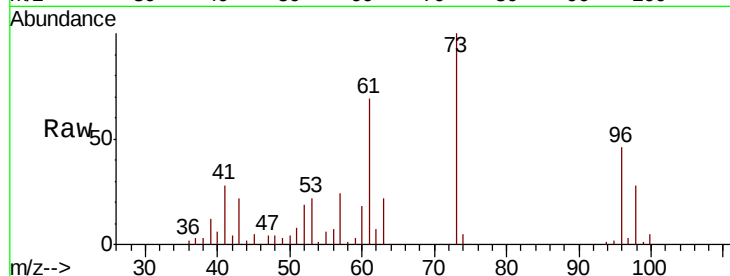
Tot Ion: 96 Resp: 173249

Ion Ratio Lower Upper

96 100

61 149.6 127.4 191.0

98 60.2 51.6 77.4

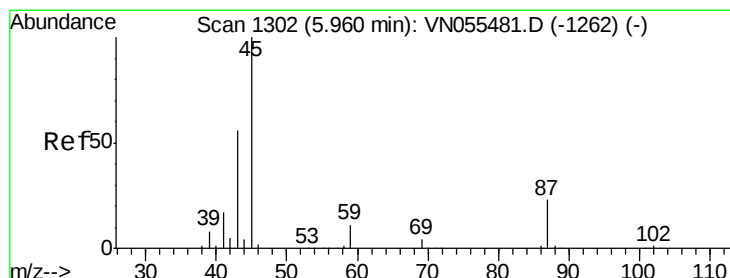
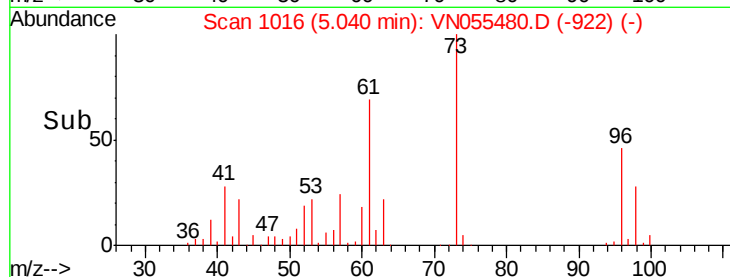
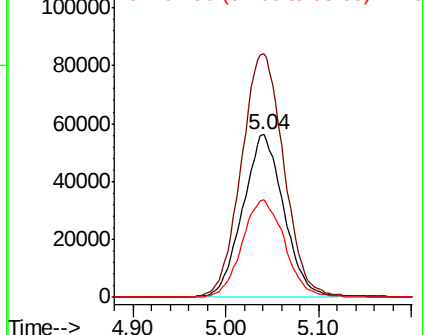


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 23.028 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion: 45 Resp: 680875

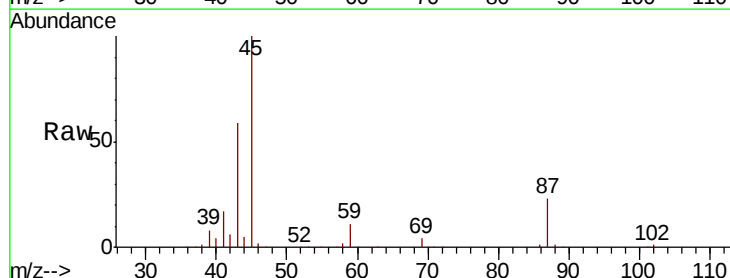
Ion Ratio Lower Upper

45 100

43 58.4 44.6 66.8

87 22.5 18.6 28.0

59 10.6 8.6 12.8



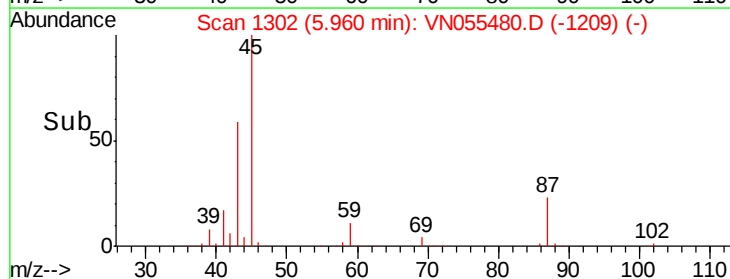
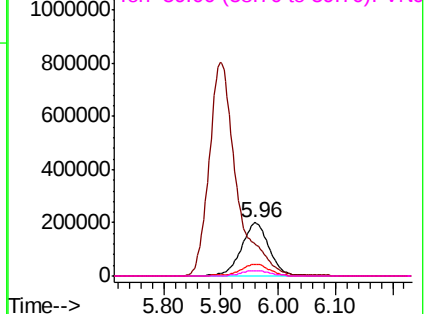
Abundance

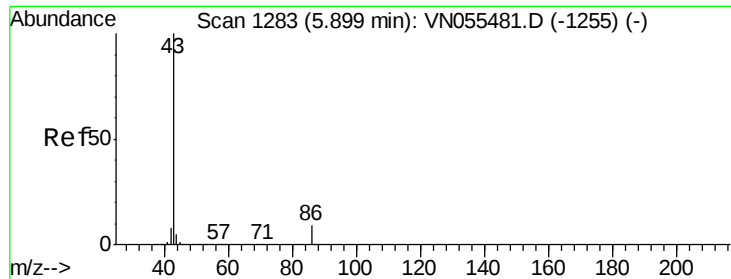
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 133.588 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

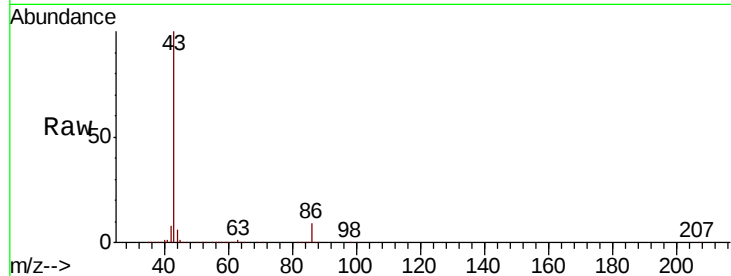
VSTDIC020

Tot Ion: 43 Resp: 2672063

Ion Ratio Lower Upper

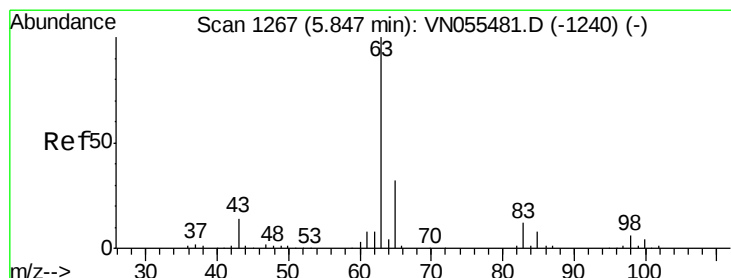
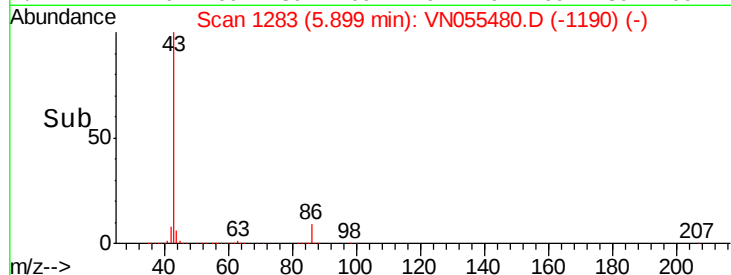
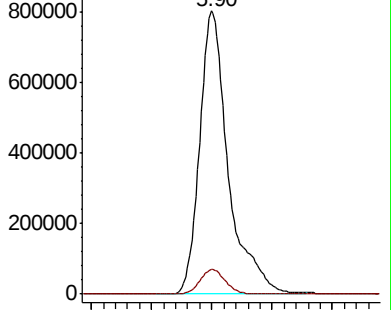
43 100

86 8.7 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055481.D (-1255) (-)



#24

1,1-Dichloroethane

Concen: 22.670 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

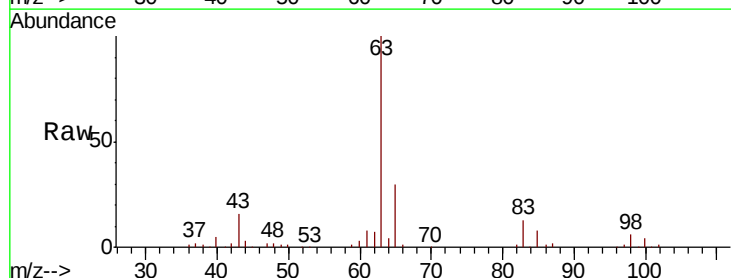
Tgt Ion: 63 Resp: 357132

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

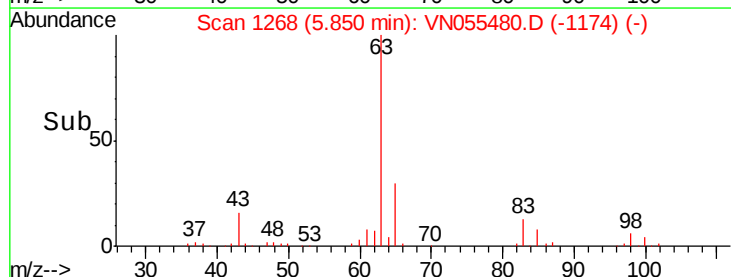
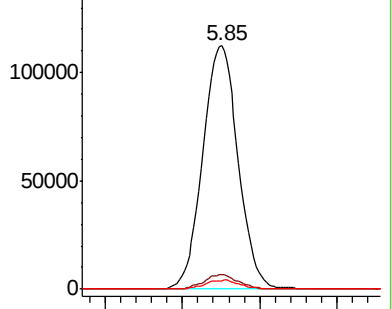
100 3.6 1.9 5.7

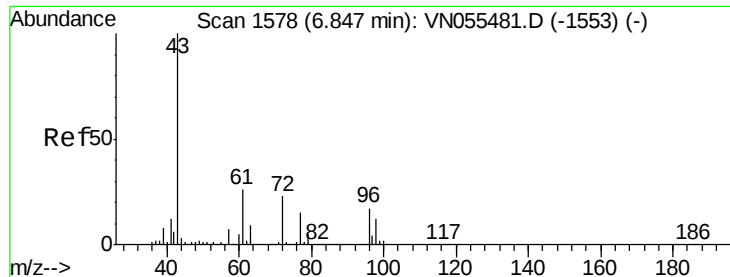


Abundance Ion 62.90 (62.60 to 63.60): VN055481.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN055481.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN055481.D (-1240) (-)





#25

2-Butanone

Concen: 174.881 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

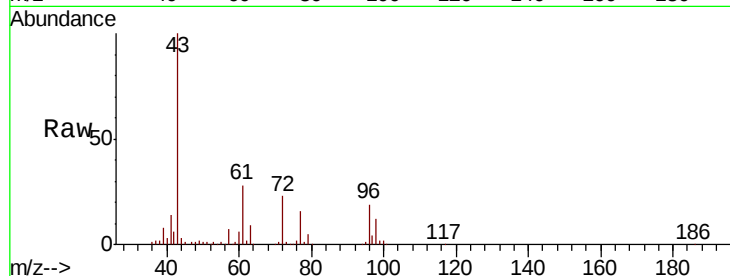
VSTDIC020

Tot Ion: 43 Resp: 744969

Ion Ratio Lower Upper

43 100

72 23.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1553) (-)

Ion 72.00 (71.70 to 72.70): VN055481.D (-1553) (-)

6.85

250000

200000

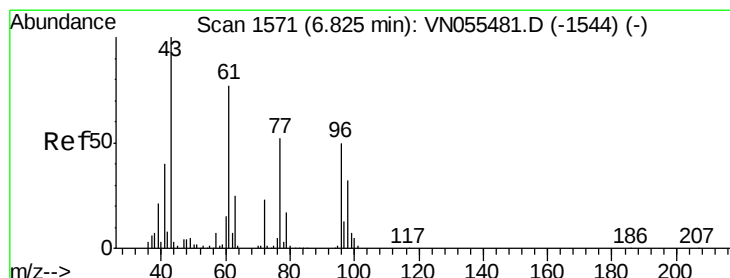
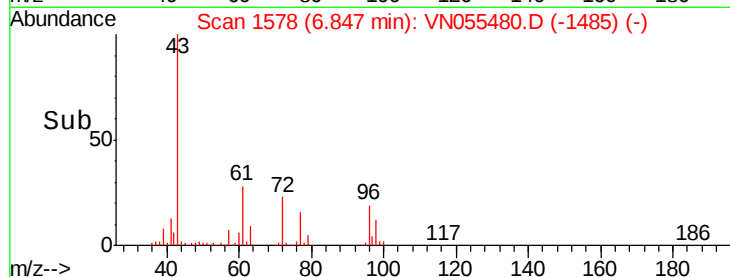
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 21.011 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055480.D

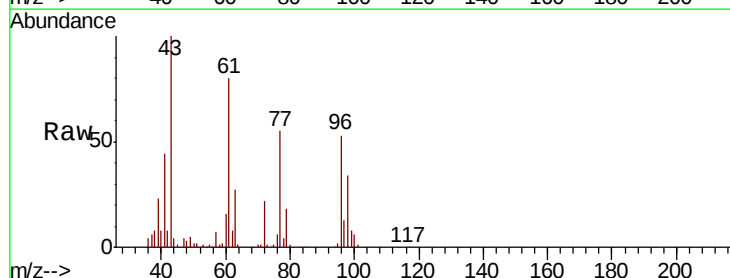
Acq: 8 May 2019 17:24

Tgt Ion: 77 Resp: 225337

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN055481.D (-1544) (-)

Ion 96.90 (96.60 to 97.60): VN055481.D (-1544) (-)

6.82

80000

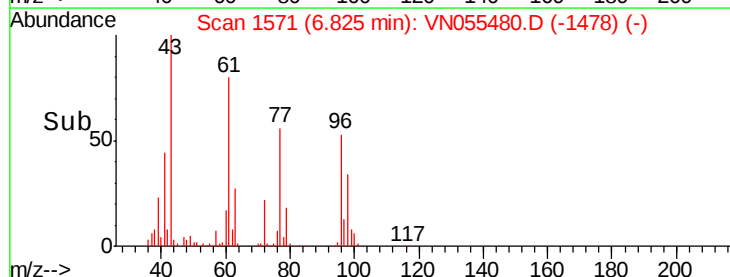
60000

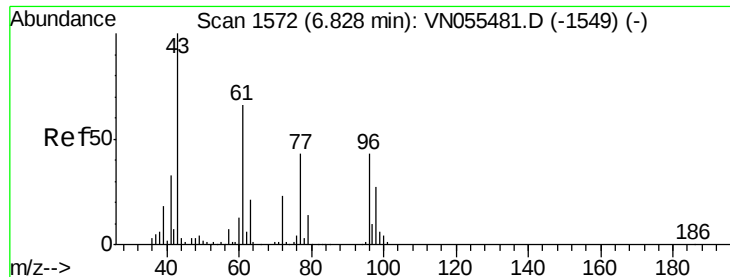
40000

20000

0

Time-->

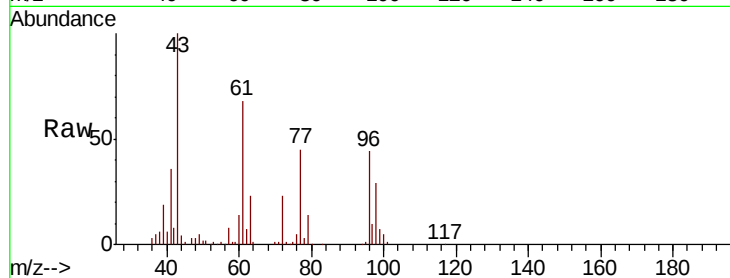




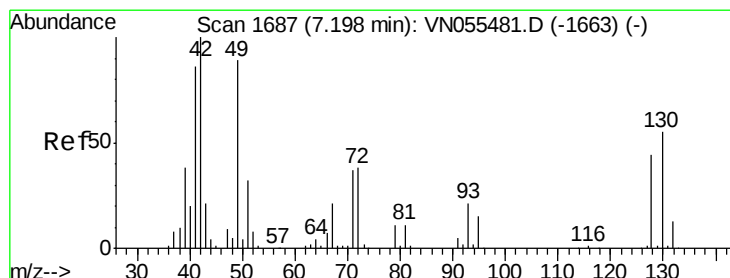
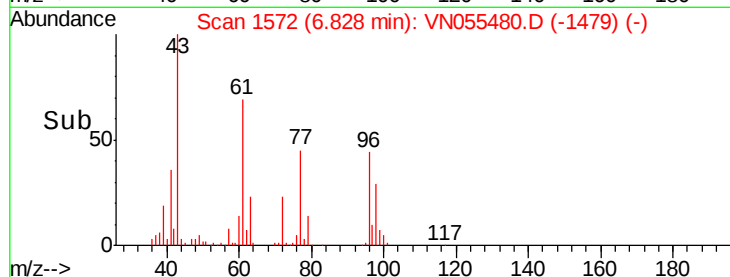
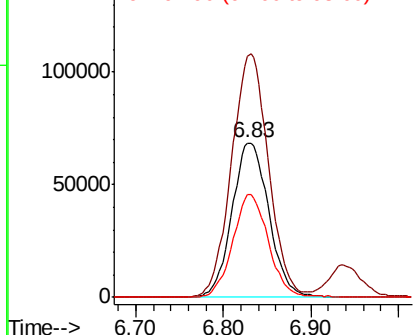
#27
 cis-1,2-Dichloroethene
 Concen: 23.161 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 201054
 Ion Ratio Lower Upper
 96 100
 61 157.4 0.0 310.8
 98 64.0 0.0 129.4

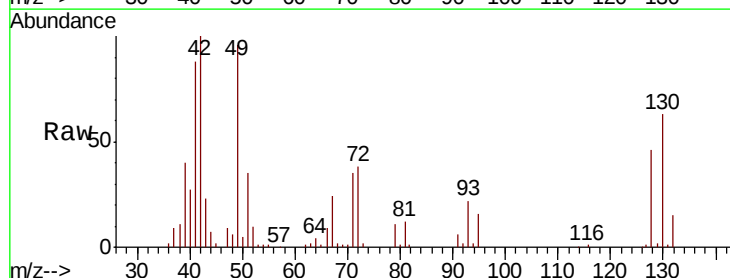


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

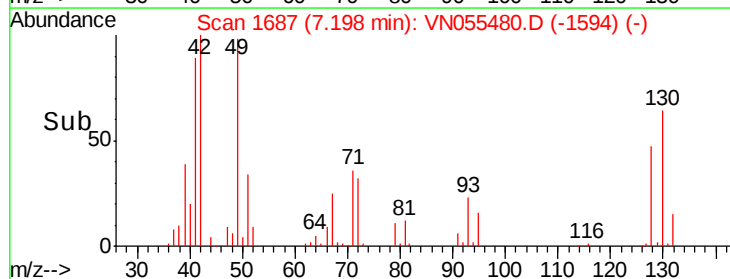
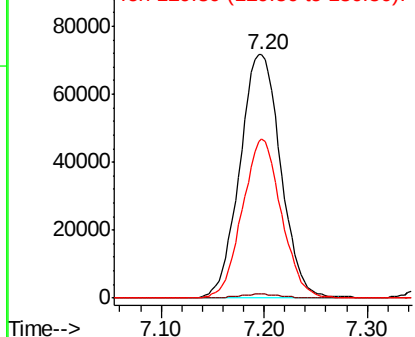


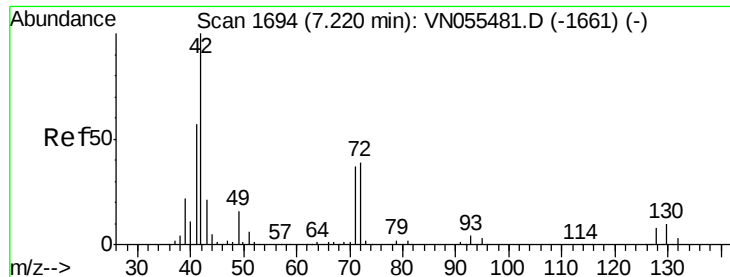
#28
 Bromochloromethane
 Concen: 24.580 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 49 Resp: 197440
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.2
 130 62.5 49.5 74.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

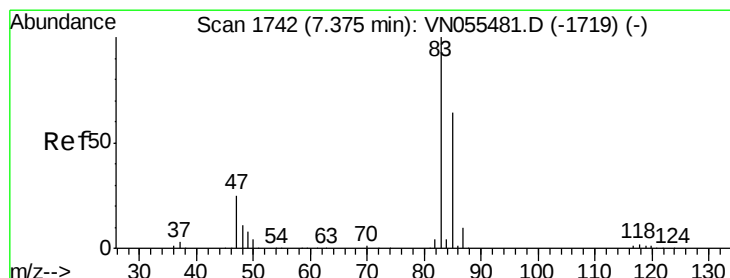
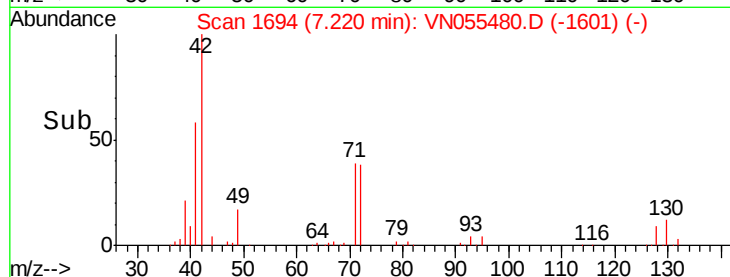
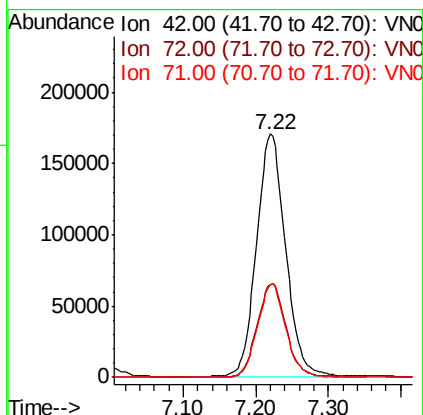
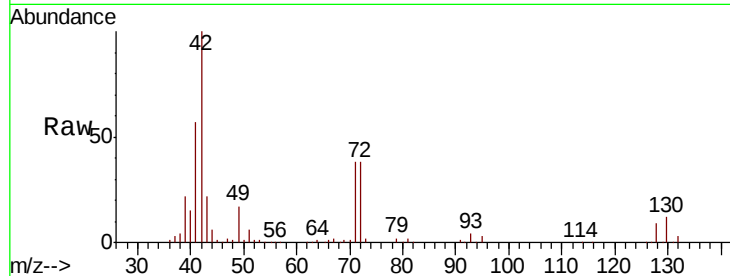




#29
Tetrahydrofuran
Concen: 175.272 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

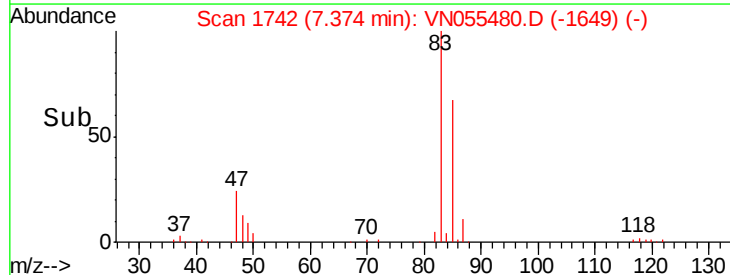
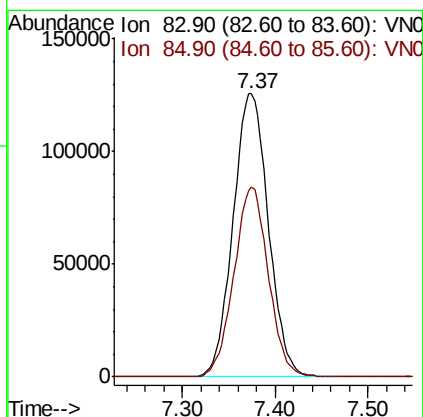
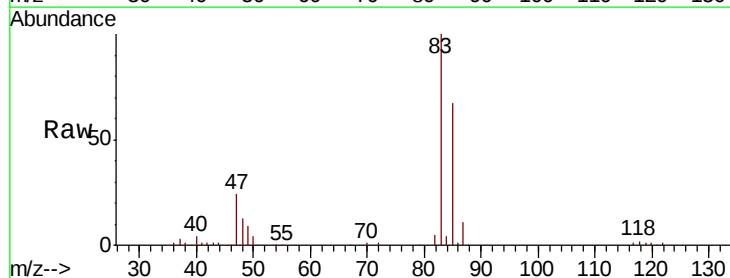
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

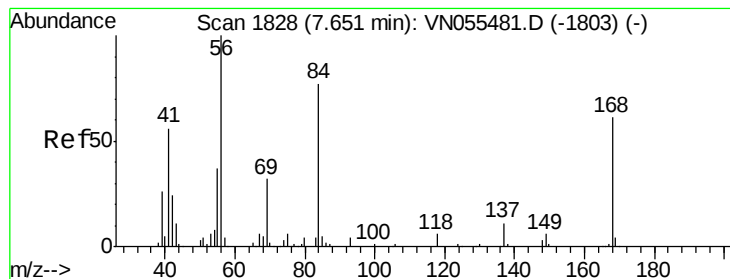
Tot Ion: 42 Resp: 478332
Ion Ratio Lower Upper
42 100
72 38.2 31.0 46.6
71 36.7 29.4 44.2



#30
Chloroform
Concen: 22.324 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 83 Resp: 332161
Ion Ratio Lower Upper
83 100
85 67.2 51.3 76.9





#31

Cyclohexane

Concen: 23.154 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

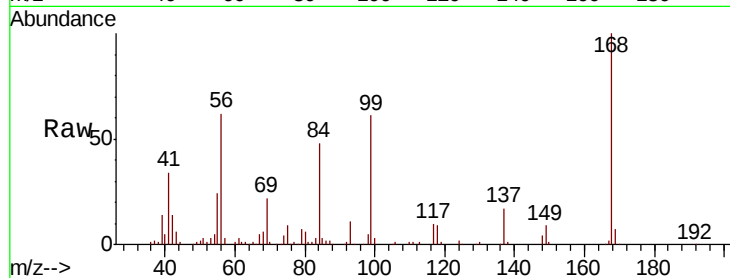
Tot Ion: 56 Resp: 349831

Ion Ratio Lower Upper

56 100

69 34.8 26.0 39.0

84 75.6 61.9 92.9

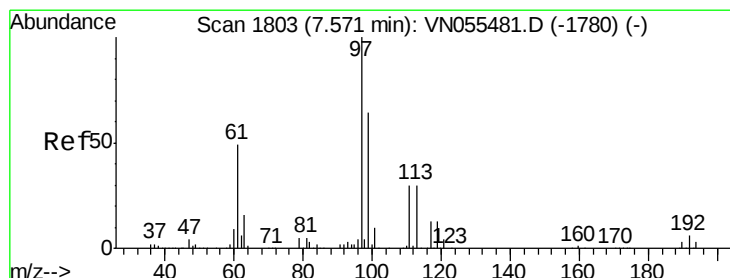
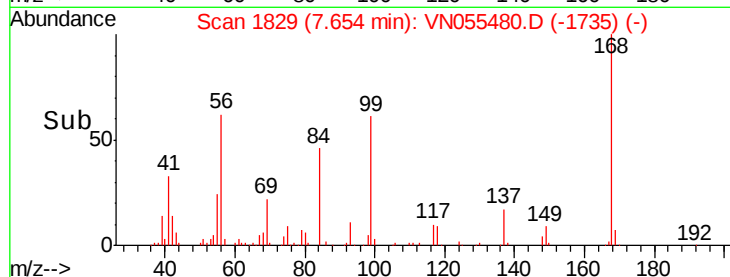
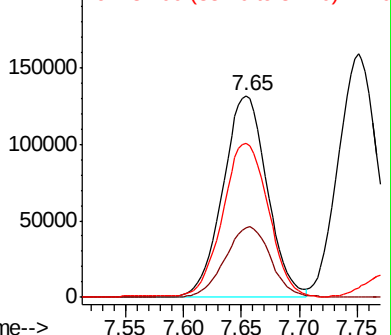


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 21.155 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

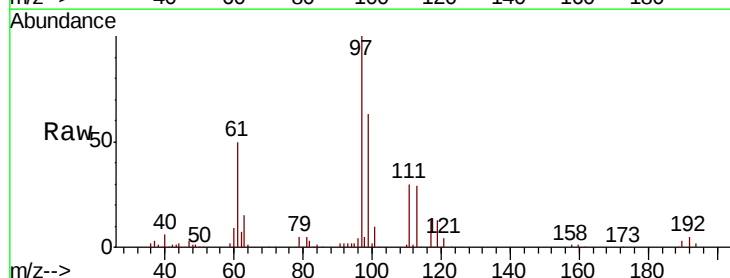
Tgt Ion: 97 Resp: 253226

Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

61 49.8 39.2 58.8

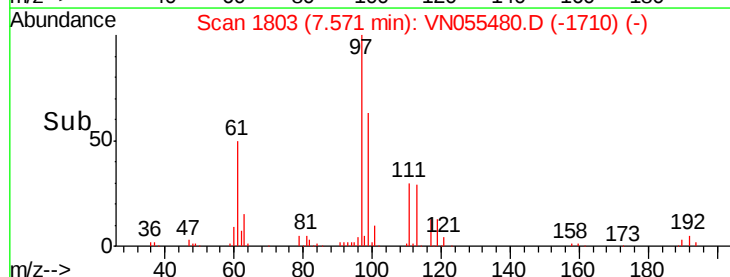
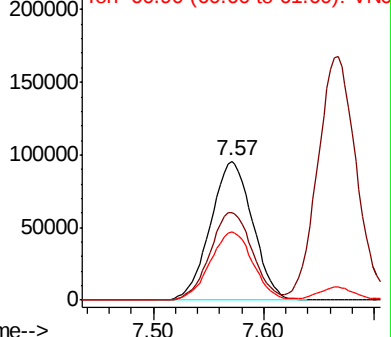


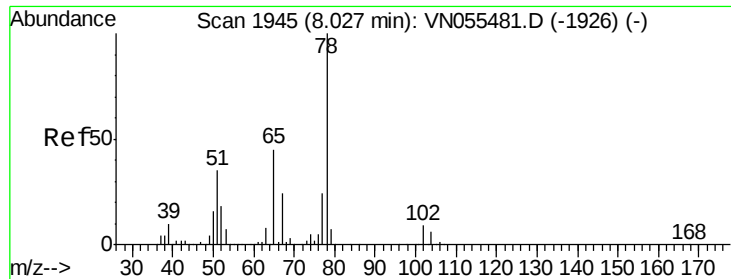
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

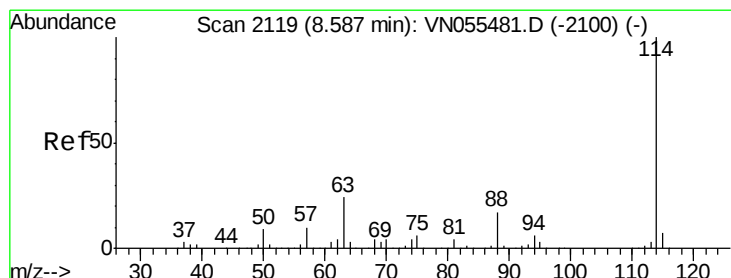
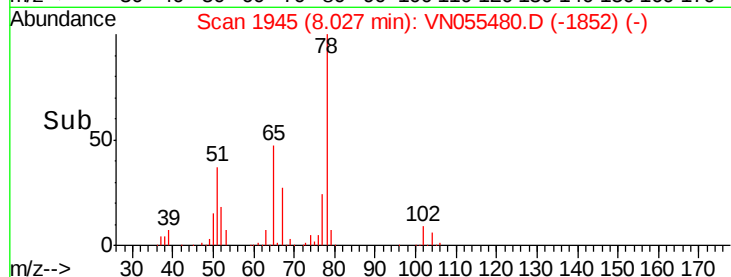
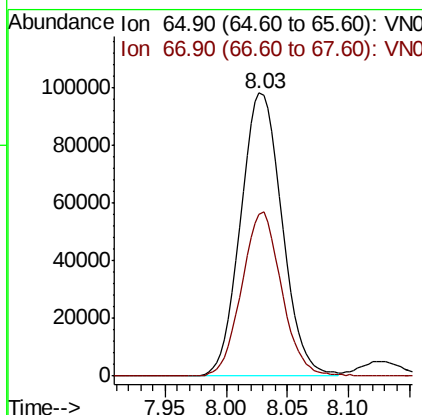
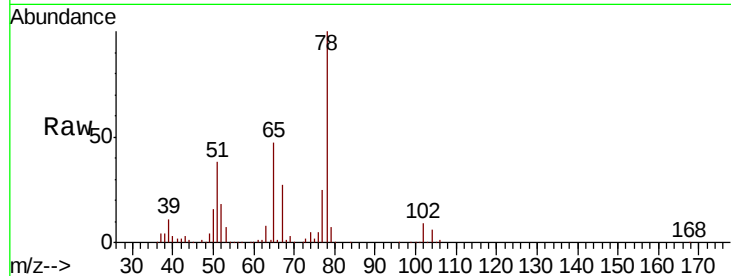




#33
 1,2-Dichloroethane-d4
 Concen: 24.069 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

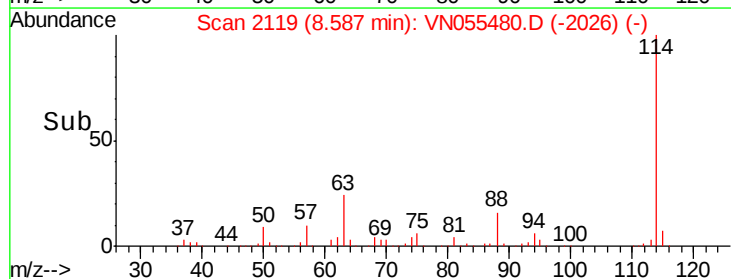
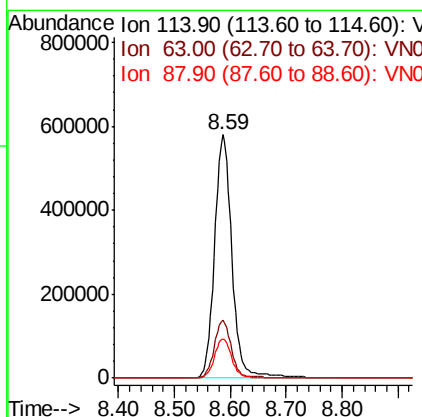
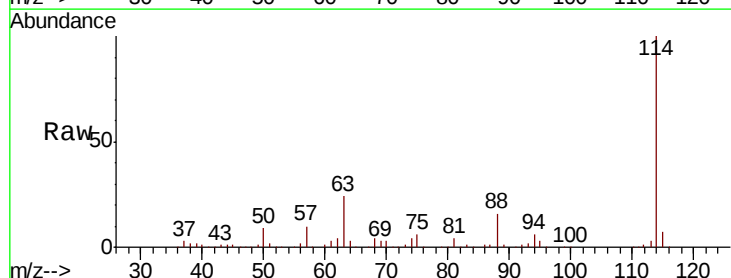
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

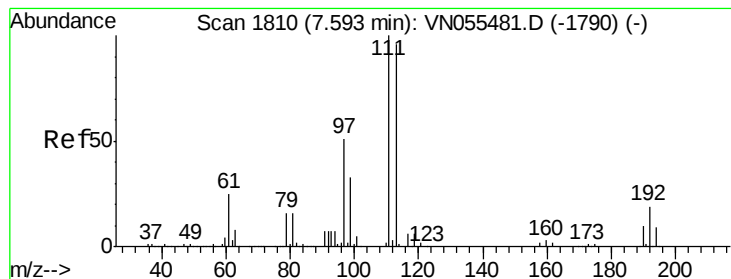
Tot Ion: 65 Resp: 231012
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 114 Resp: 1256737
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.4
 88 16.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 20.828 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

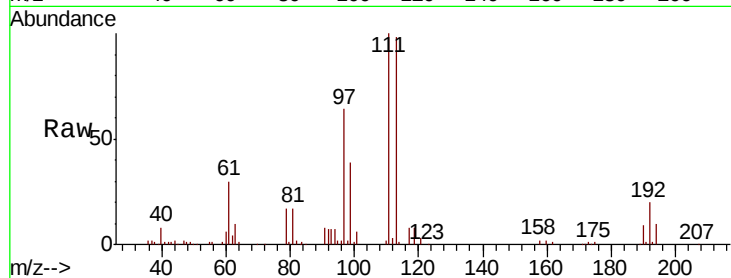
Tot Ion:113 Resp: 172359

Ion Ratio Lower Upper

113 100

111 100.5 82.9 124.3

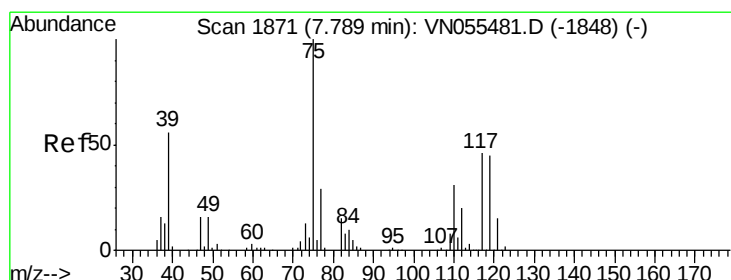
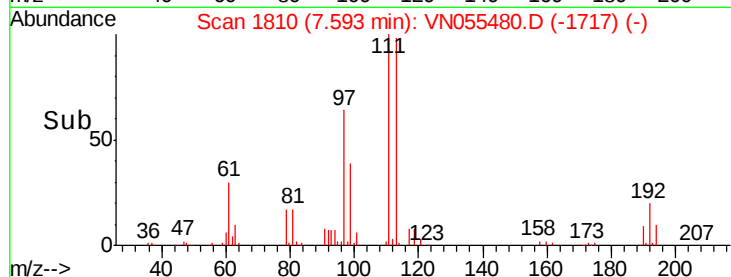
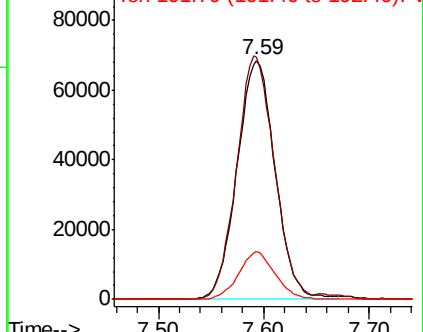
192 19.0 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.481 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

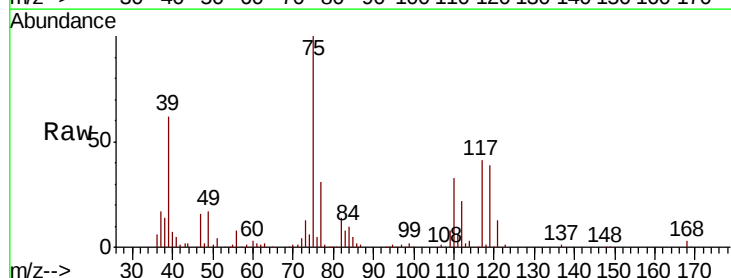
Tgt Ion: 75 Resp: 250411

Ion Ratio Lower Upper

75 100

110 33.2 16.1 48.3

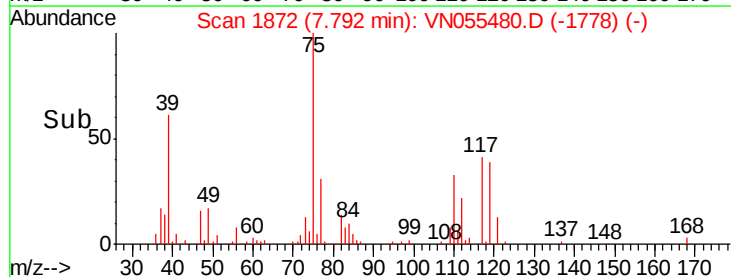
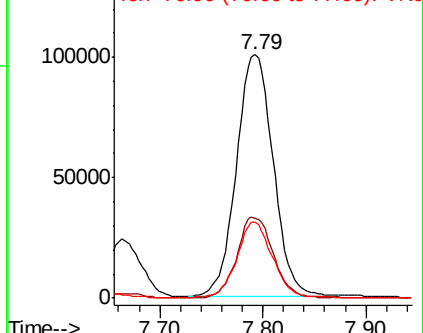
77 30.9 24.6 37.0

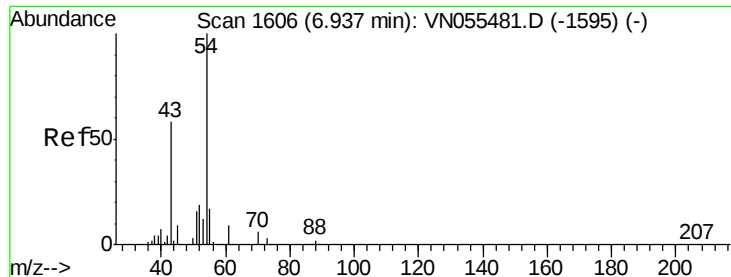


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

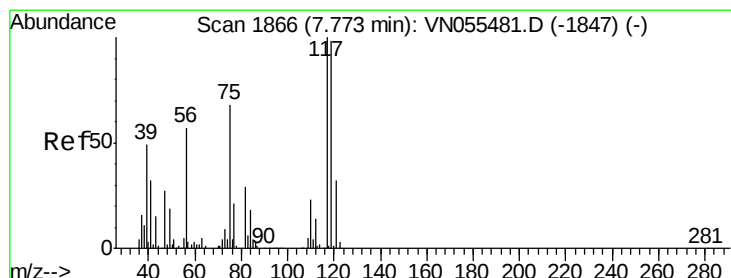
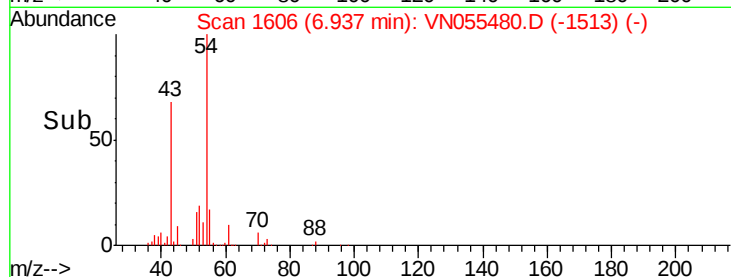
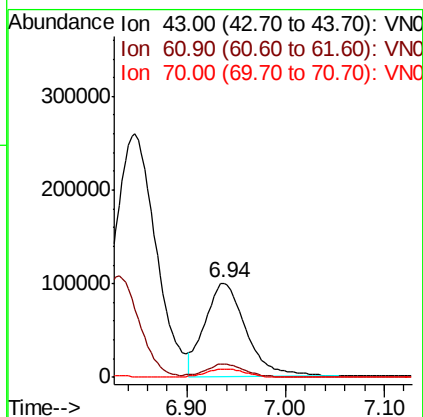
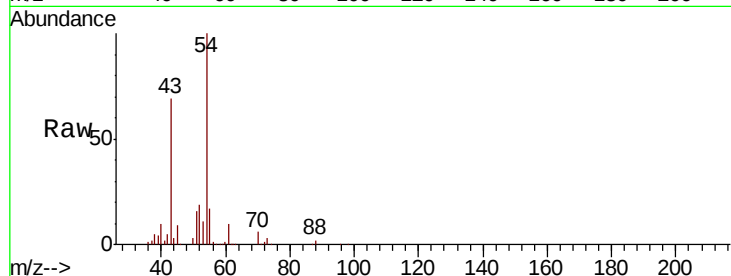




#37
Ethyl Acetate
Concen: 28.607 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

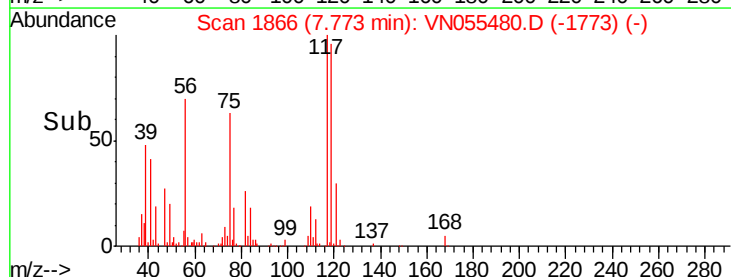
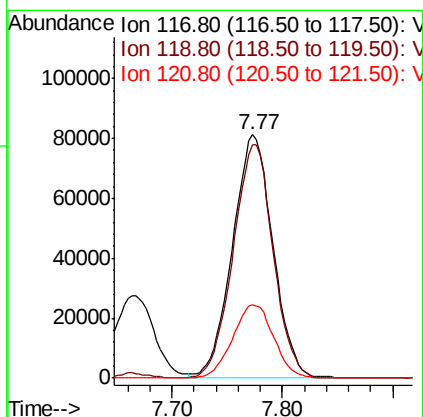
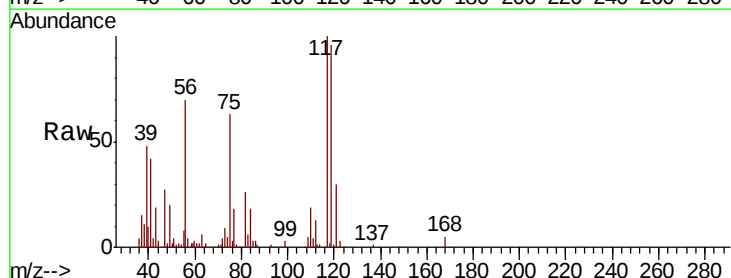
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

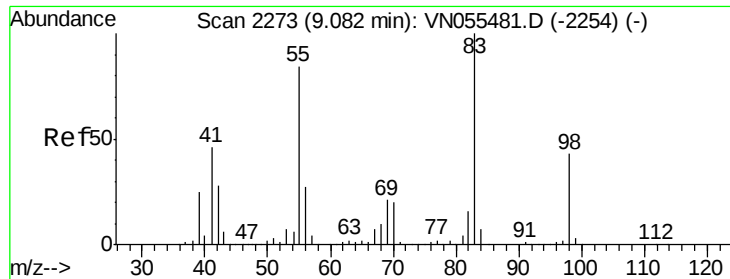
Tot Ion: 43 Resp: 288346
Ion Ratio Lower Upper
43 100
61 12.8 10.9 16.3
70 8.9 7.0 10.6



#38
Carbon Tetrachloride
Concen: 17.888 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 117 Resp: 205109
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.6
121 30.3 25.2 37.8

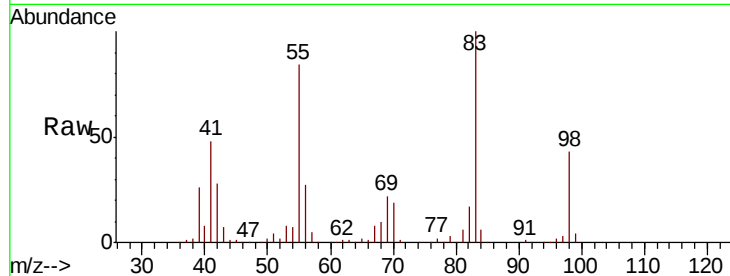




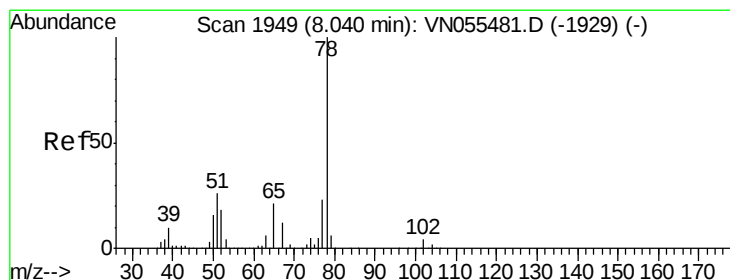
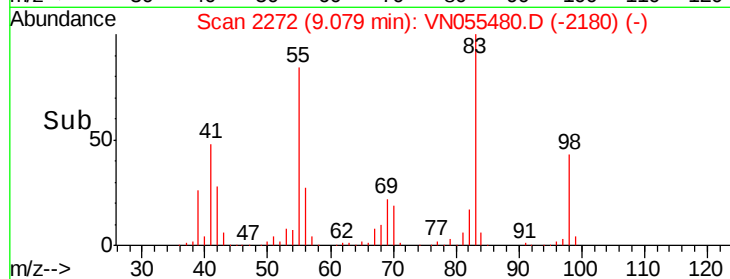
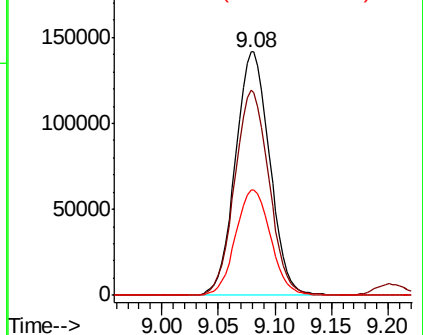
#39
Methvlcvclohexane
Concen: 22.761 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 299842
Ion Ratio Lower Upper
83 100
55 84.4 67.0 100.4
98 43.2 34.2 51.4

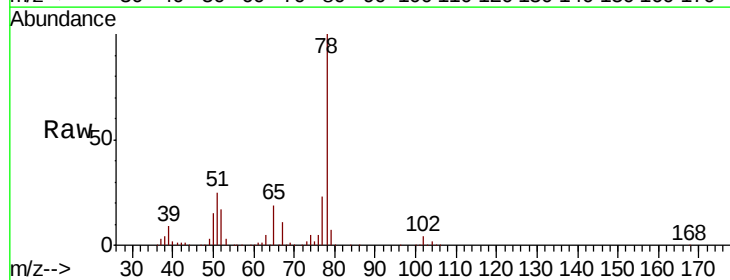


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

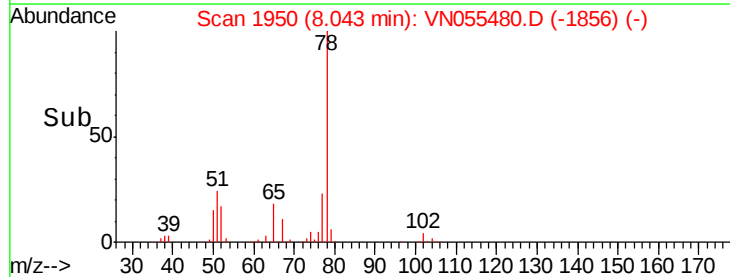
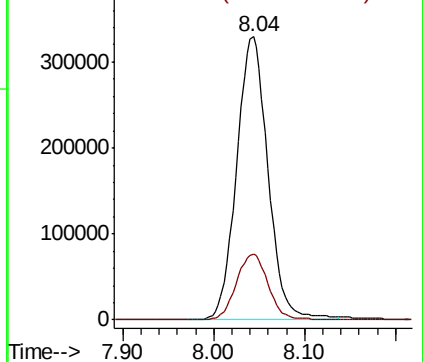


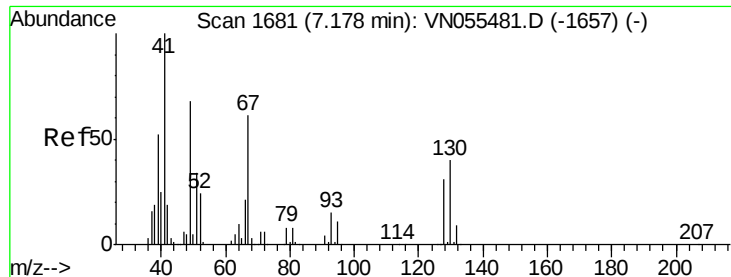
#40
Benzene
Concen: 21.841 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 78 Resp: 789197
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

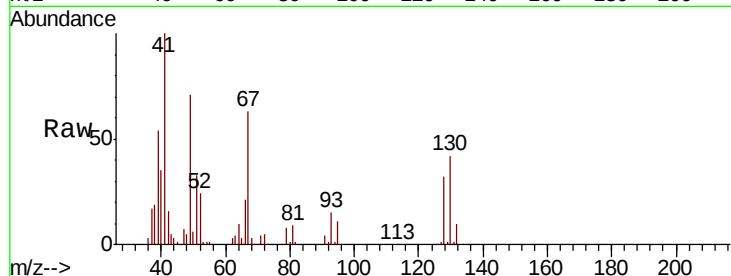




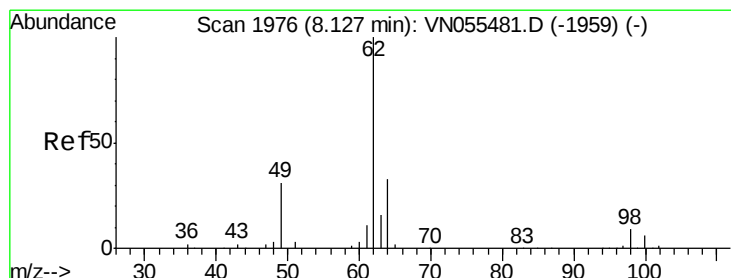
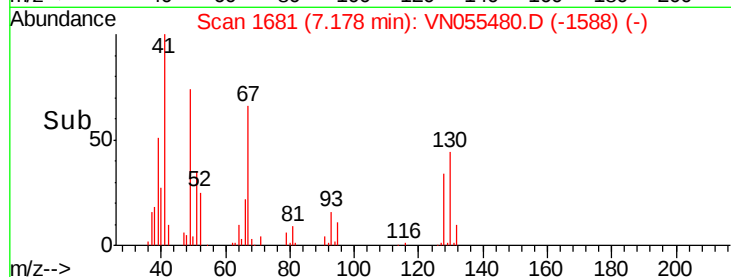
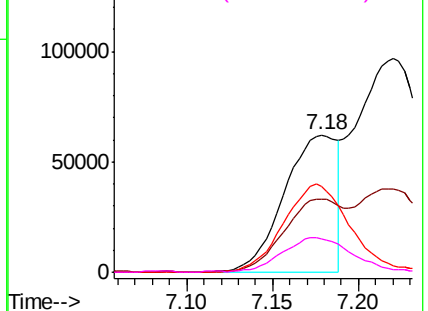
#41
Methacrylonitrile
Concen: 25.486 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 132727
Ion Ratio Lower Upper
41 100
39 57.1 44.7 67.1
67 81.9 61.4 92.0
52 32.0 25.0 37.4

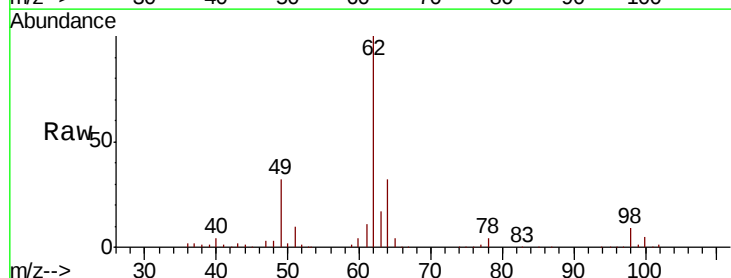


Abundance Ion 41.00 (40.70 to 41.70): VNO
150000 Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

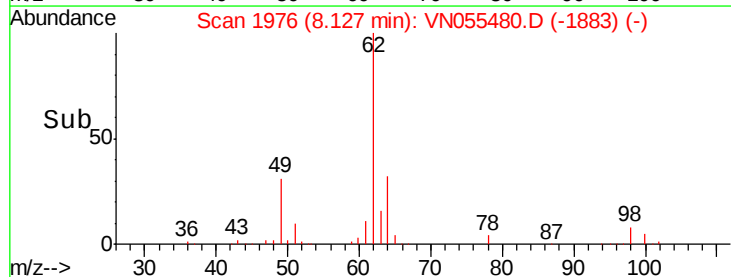
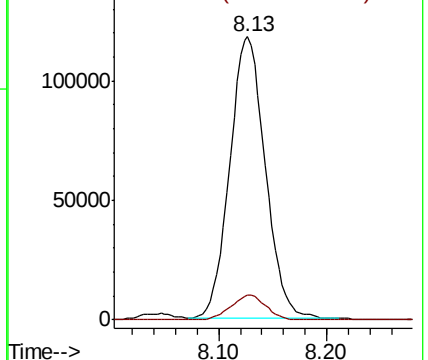


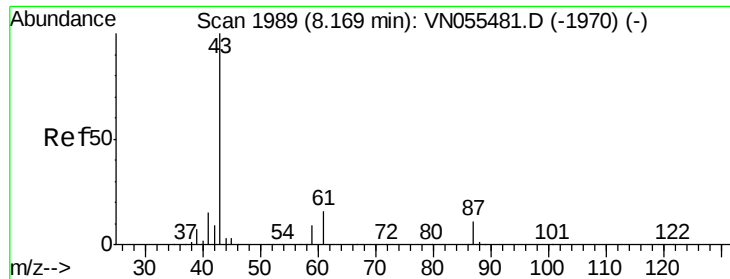
#42
1,2-Dichloroethane
Concen: 21.265 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 62 Resp: 270937
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 26.781 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

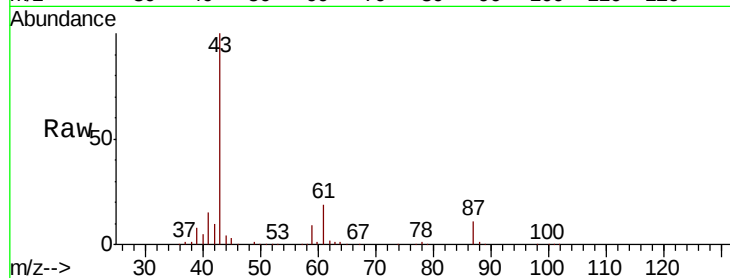
Tot Ion: 43 Resp: 426576

Ion Ratio Lower Upper

43 100

61 19.7 15.1 22.7

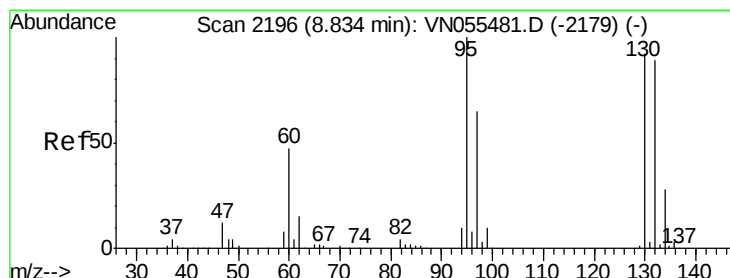
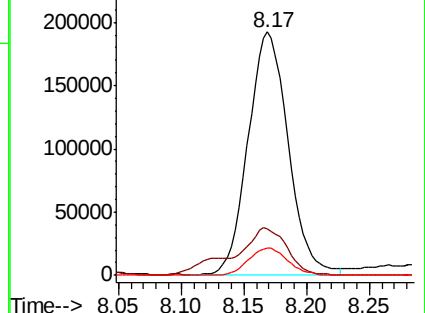
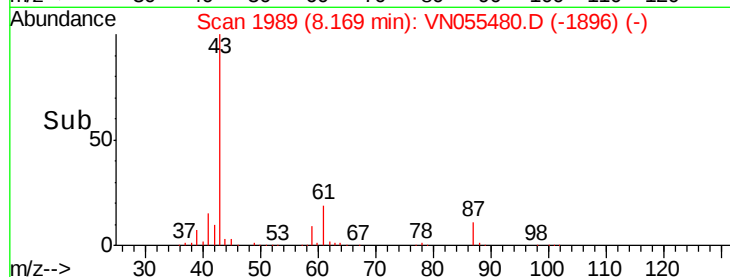
87 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055480.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN055480.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN055480.D (-1896) (-)



#44

Trichloroethene

Concen: 19.875 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055480.D

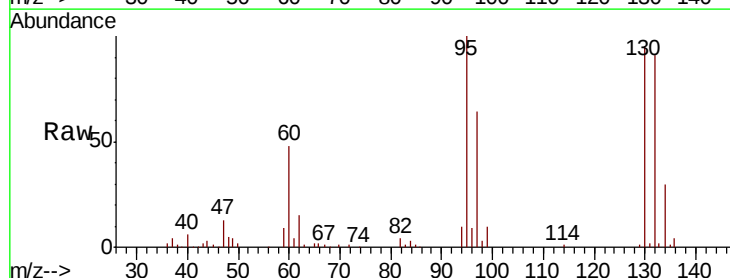
Acq: 8 May 2019 17:24

Tgt Ion:130 Resp: 180848

Ion Ratio Lower Upper

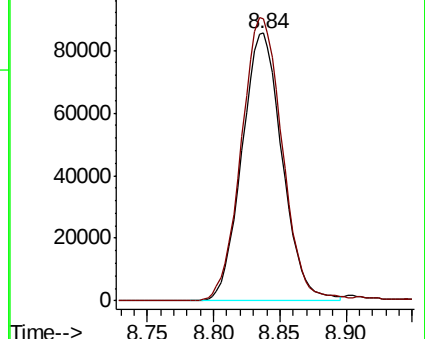
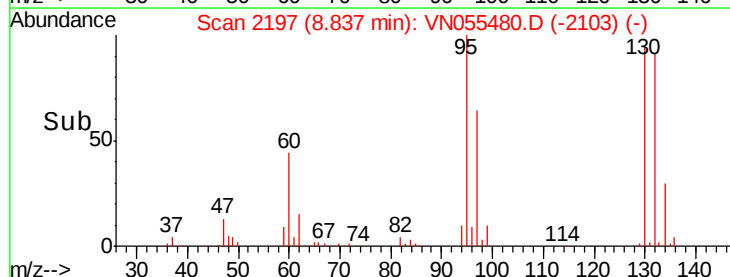
130 100

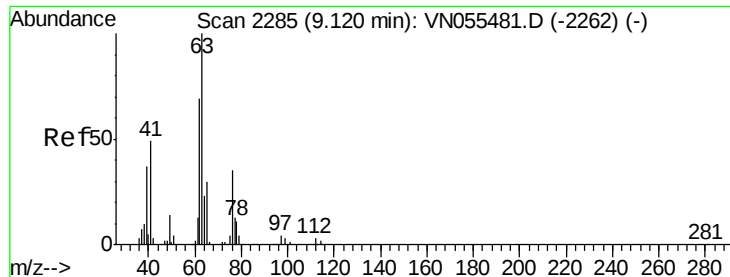
95 105.2 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055480.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055480.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 21.380 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

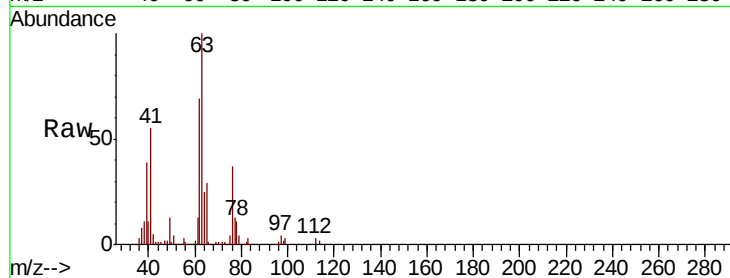
VSTDIC020

Tot Ion: 63 Resp: 221992

Ion Ratio Lower Upper

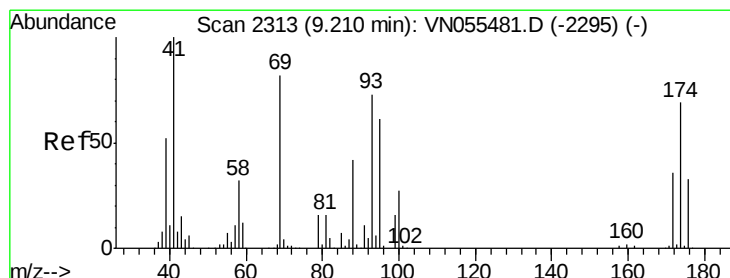
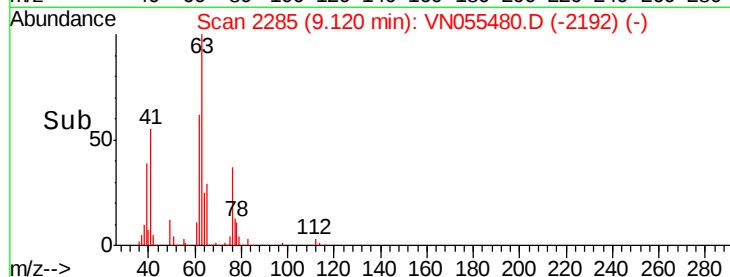
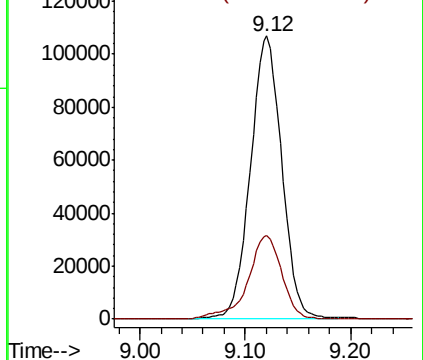
63 100

65 29.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 22.540 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

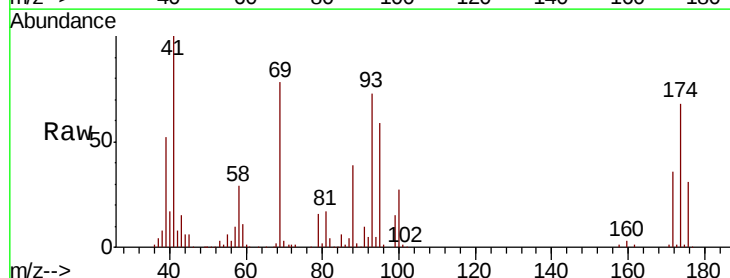
Tgt Ion: 93 Resp: 129457

Ion Ratio Lower Upper

93 100

95 82.6 64.8 97.2

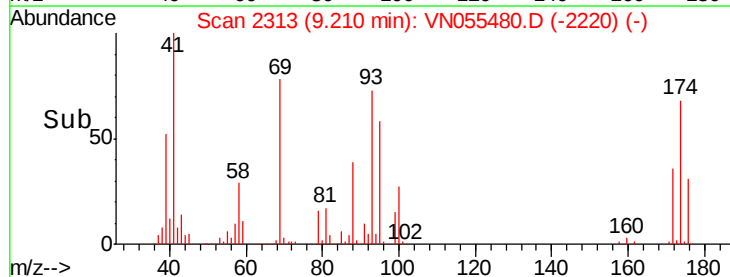
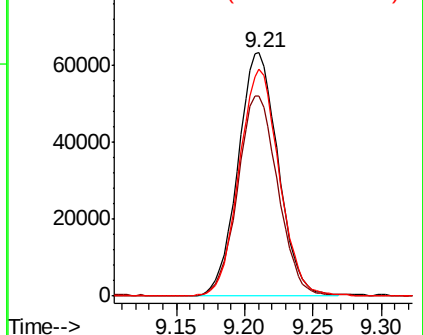
174 93.4 75.0 112.6

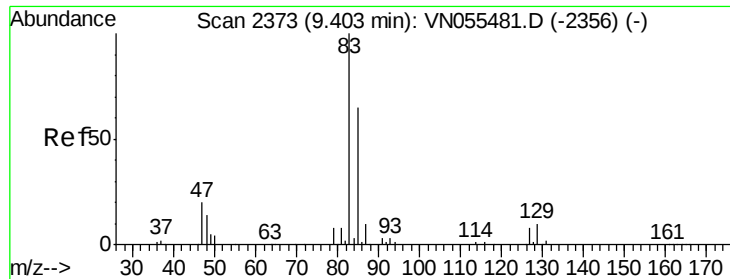


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.389 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

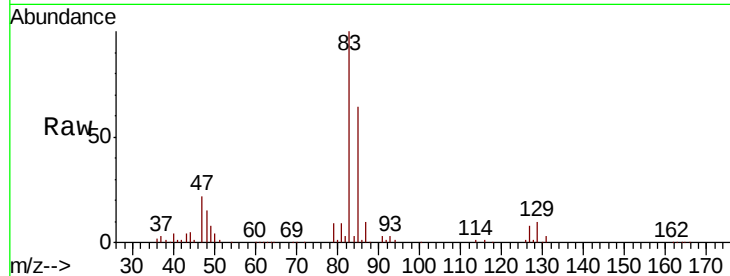
Tot Ion: 83 Resp: 246384

Ion Ratio Lower Upper

83 100

85 63.6 52.2 78.2

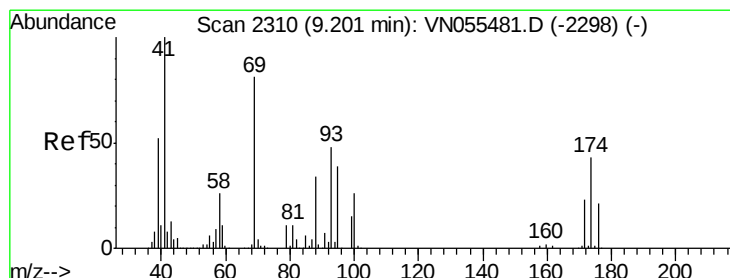
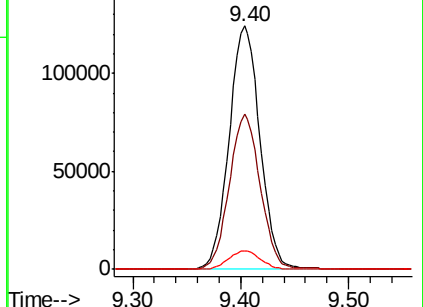
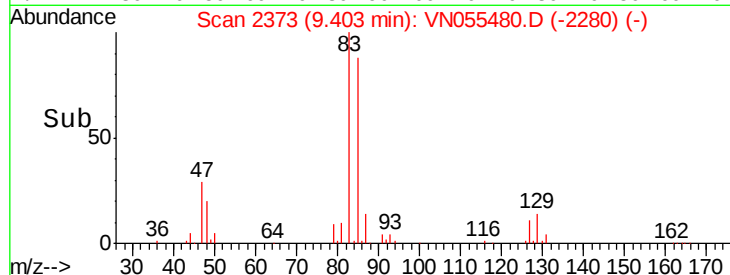
127 7.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055480.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055480.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055480.D (-2280) (-)



#48

Methyl methacrylate

Concen: 25.839 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

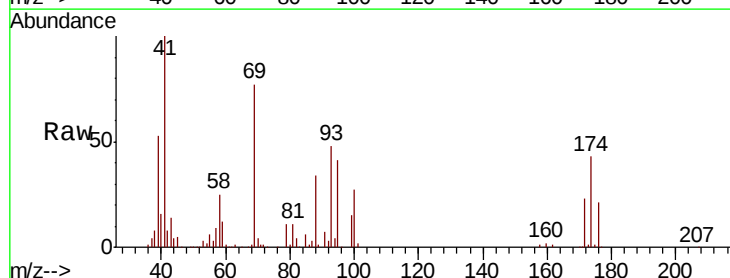
Tgt Ion: 41 Resp: 201164

Ion Ratio Lower Upper

41 100

69 80.9 64.2 96.2

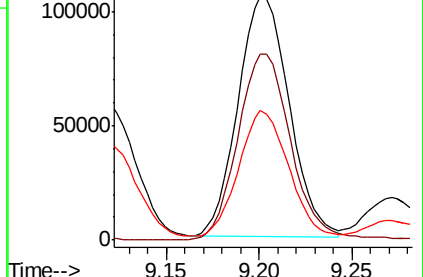
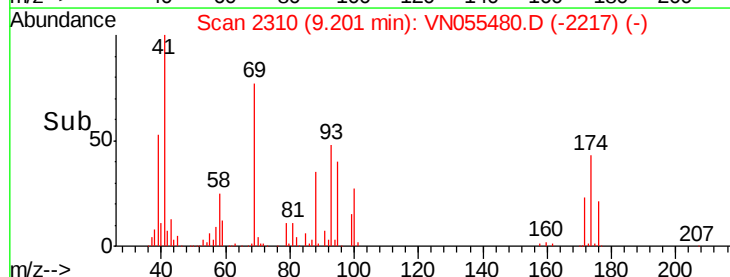
39 53.6 41.6 62.4

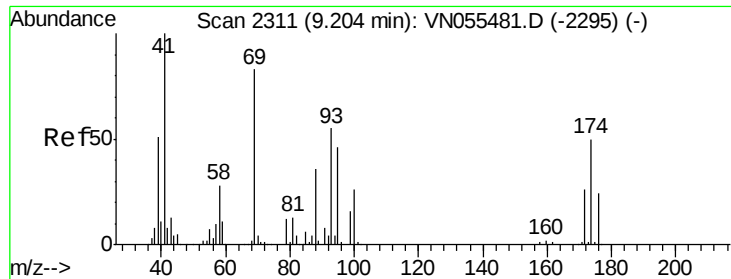


Abundance Ion 41.00 (40.70 to 41.70): VN055480.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055480.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055480.D (-2217) (-)

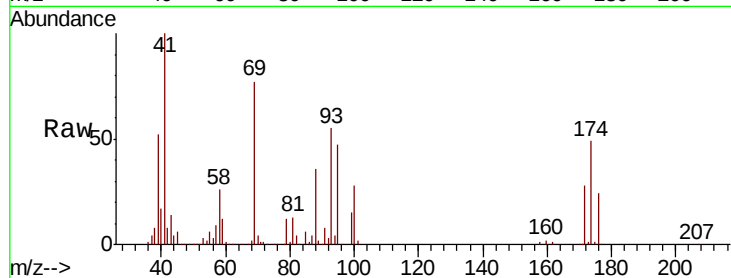




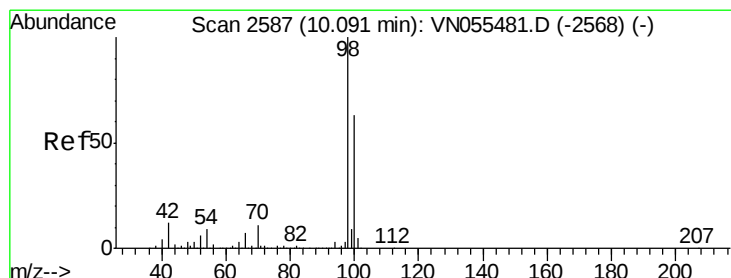
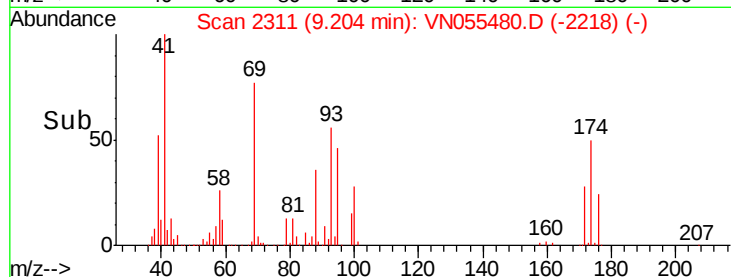
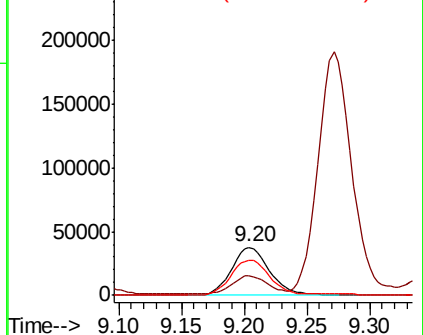
#49
1,4-Dioxane
Concen: 825.359 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 88 Resp: 79816
Ion Ratio Lower Upper
88 100
43 35.5 27.8 41.8
58 73.4 61.8 92.6

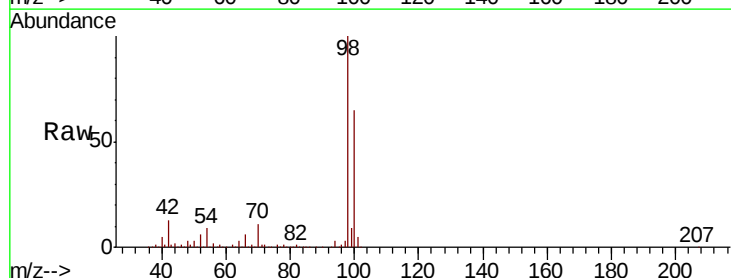


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

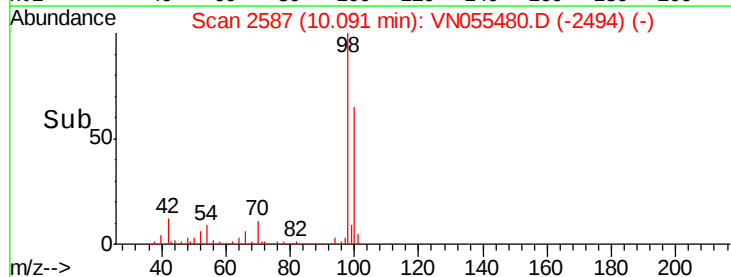
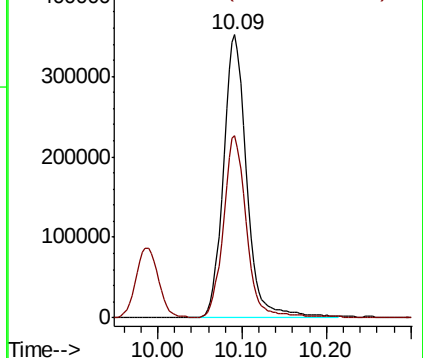


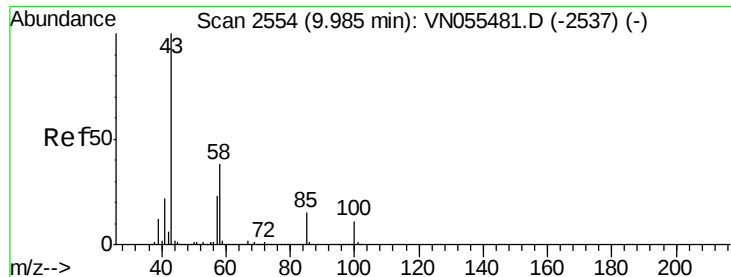
#50
Toluene-d8
Concen: 22.241 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 98 Resp: 675268
Ion Ratio Lower Upper
98 100
100 62.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 150.436 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

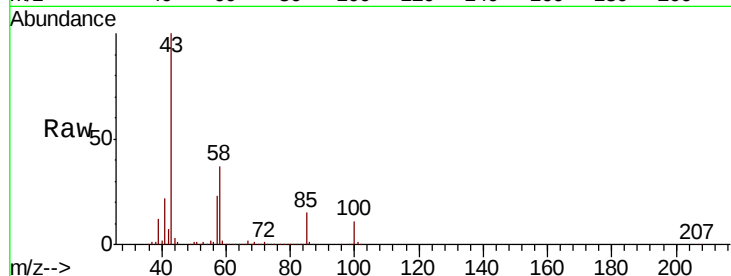
VSTDIC020

Tot Ion: 43 Resp: 1398448

Ion Ratio Lower Upper

43 100

58 37.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

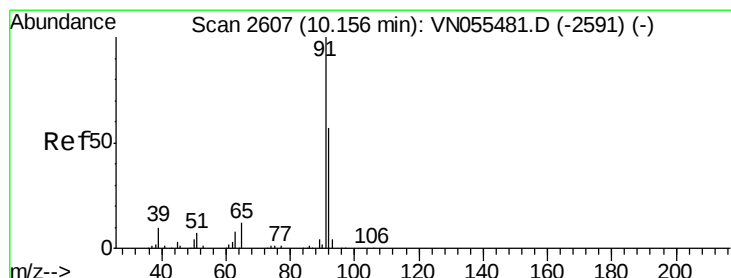
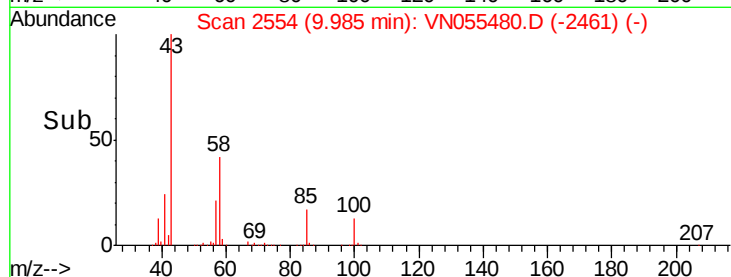
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 22.184 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055480.D

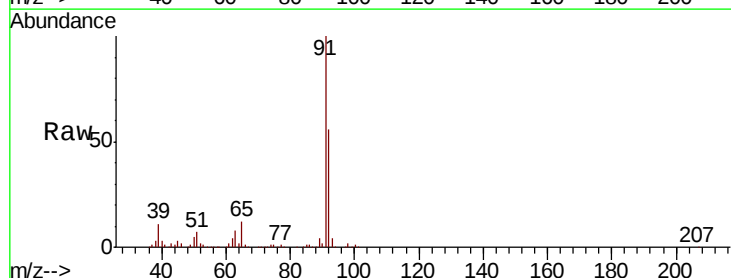
Acq: 8 May 2019 17:24

Tgt Ion: 92 Resp: 460373

Ion Ratio Lower Upper

92 100

91 178.1 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

200000

100000

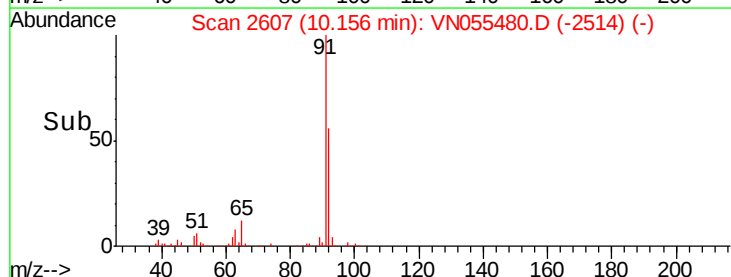
0

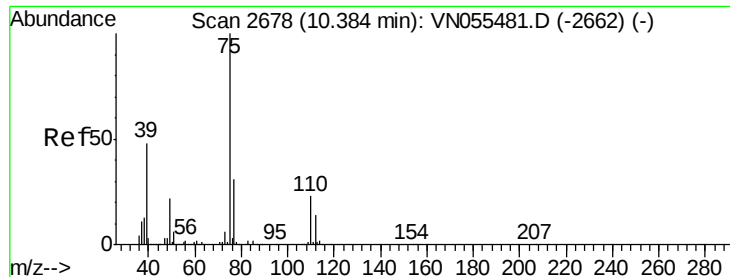
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.398 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

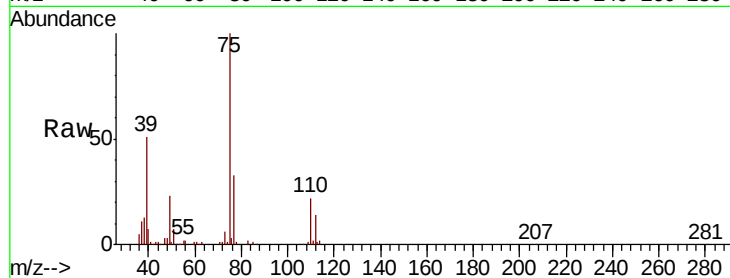
VSTDIC020

Tot Ion: 75 Resp: 238884

Ion Ratio Lower Upper

75 100

77 32.8 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

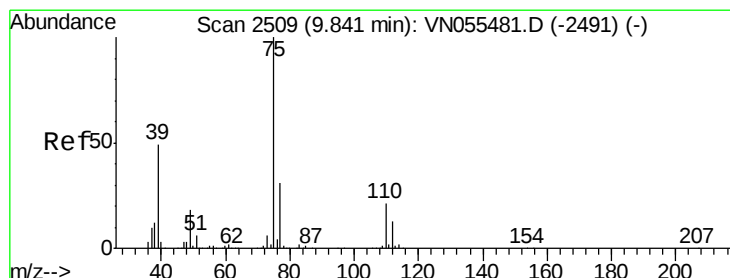
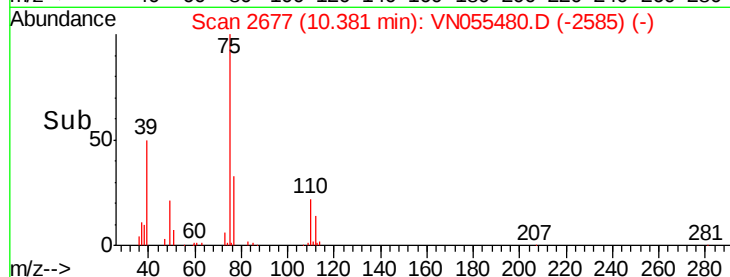
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.759 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

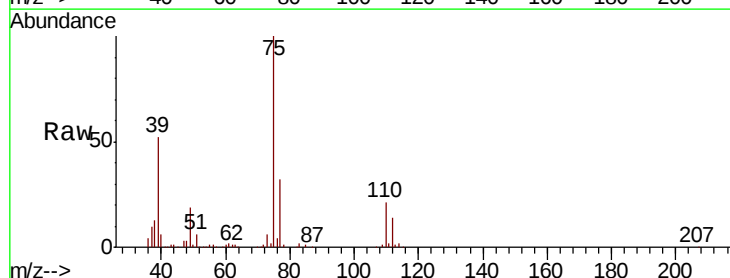
Tgt Ion: 75 Resp: 287276

Ion Ratio Lower Upper

75 100

77 32.2 24.4 36.6

39 51.7 39.5 59.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

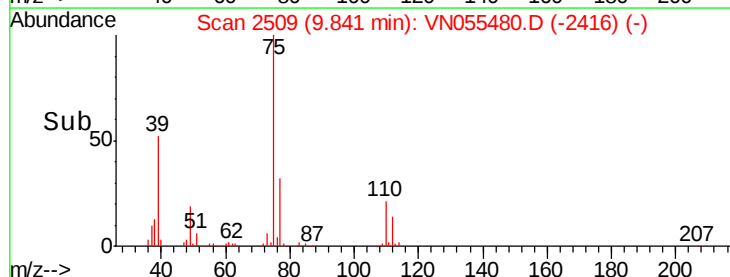
150000

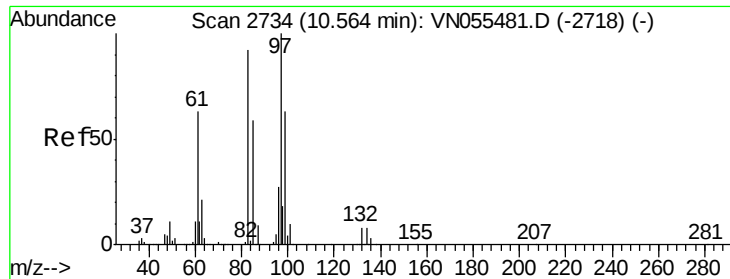
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 23.616 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 184224

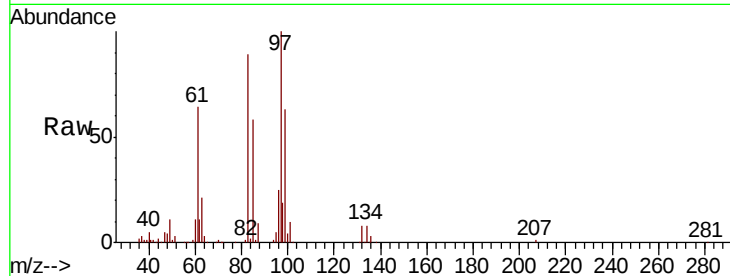
Ion Ratio Lower Upper

97 100

83 89.0 73.2 109.8

85 58.5 47.5 71.3

99 63.0 50.2 75.2

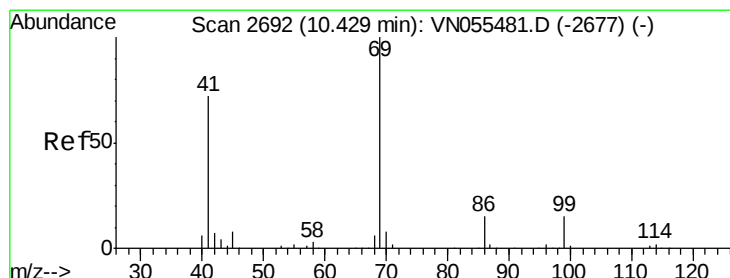
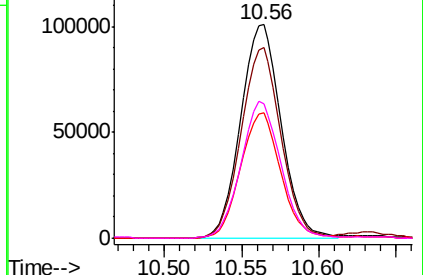
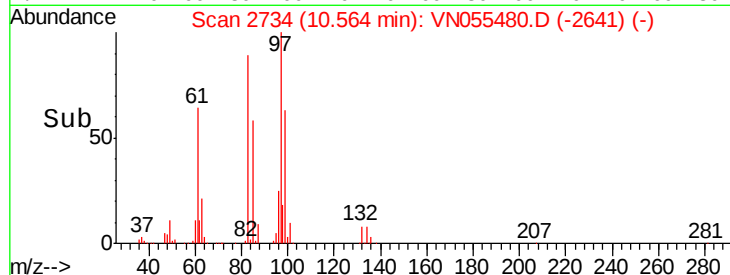


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 26.843 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

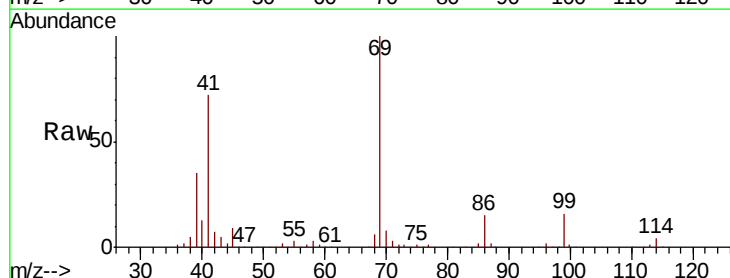
Tgt Ion: 69 Resp: 267886

Ion Ratio Lower Upper

69 100

41 70.2 56.2 84.2

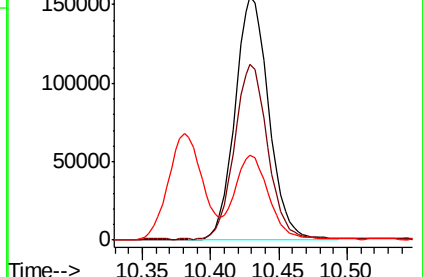
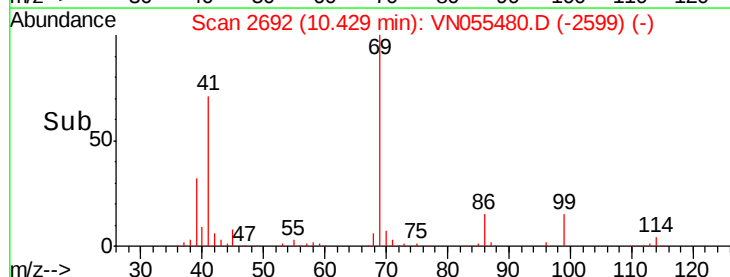
39 33.9 27.8 41.6

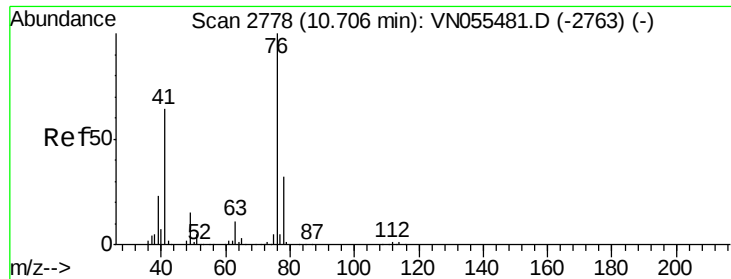


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

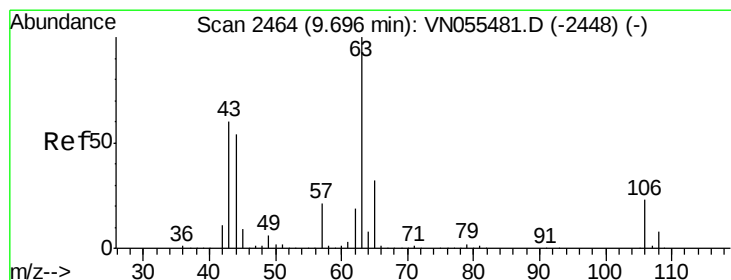
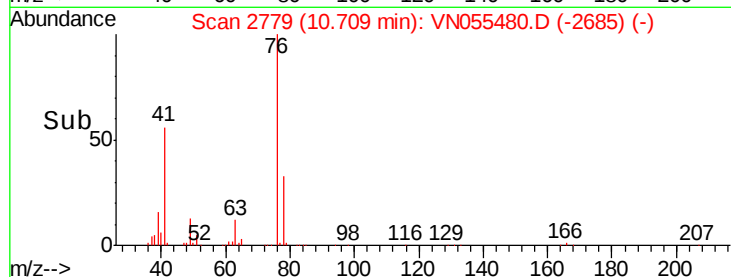
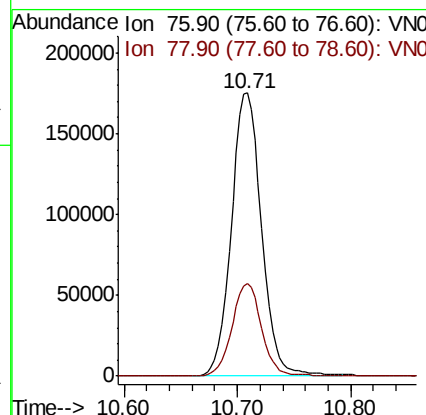
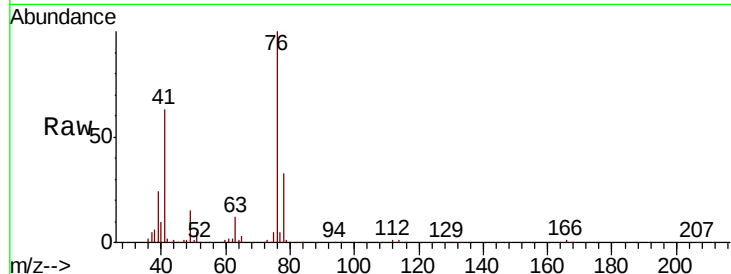




#57
 1,3-Dichloropropane
 Concen: 23.660 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

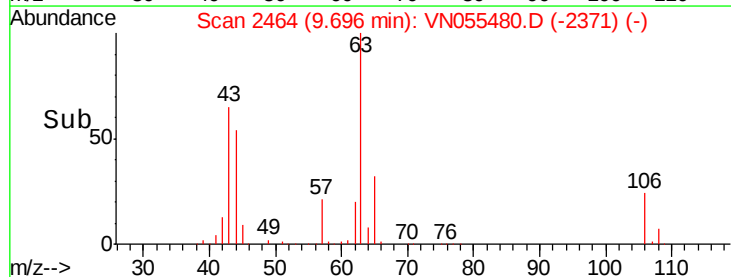
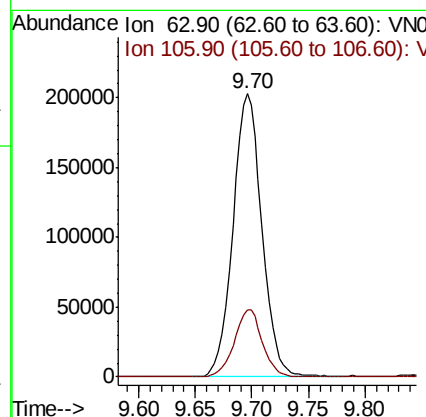
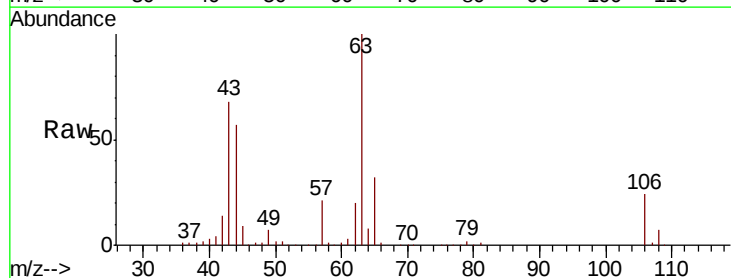
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

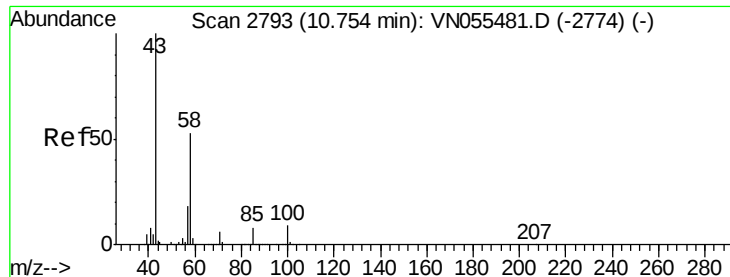
Tot Ion: 76 Resp: 325040
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.031 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 63 Resp: 360249
 Ion Ratio Lower Upper
 63 100
 106 22.9 18.6 27.8

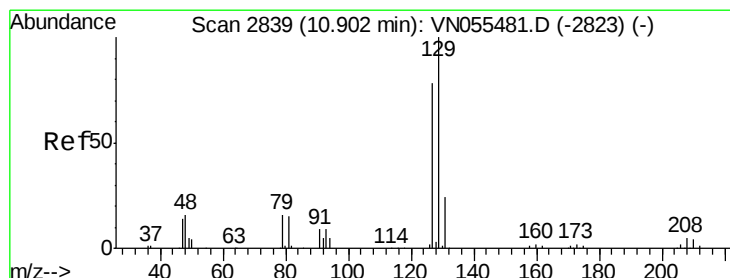
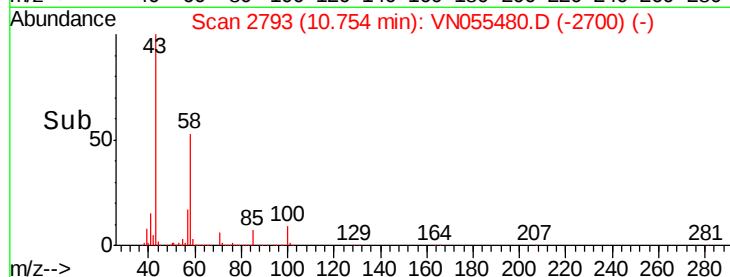
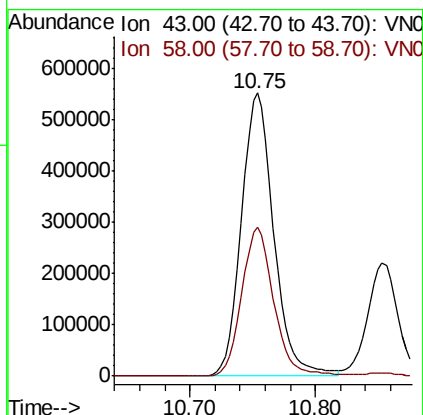
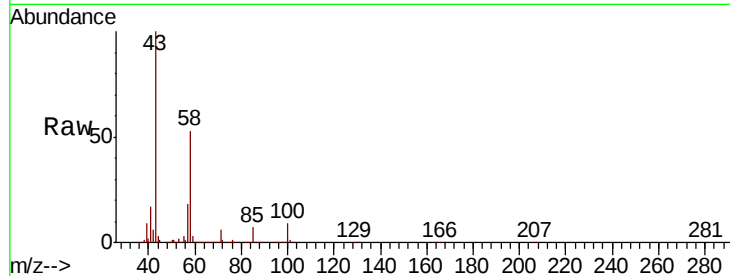




#59
2-Hexanone
Concen: 165.141 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

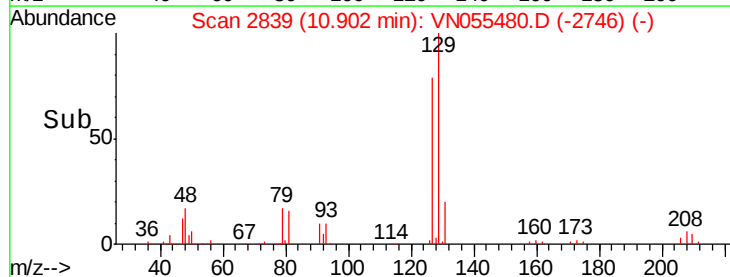
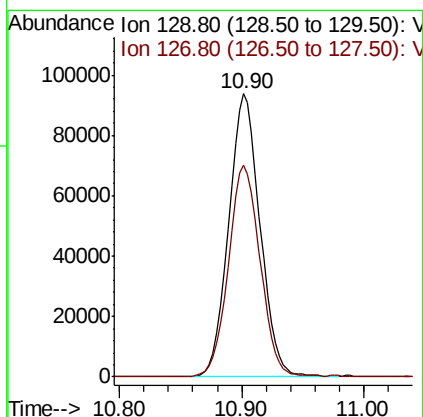
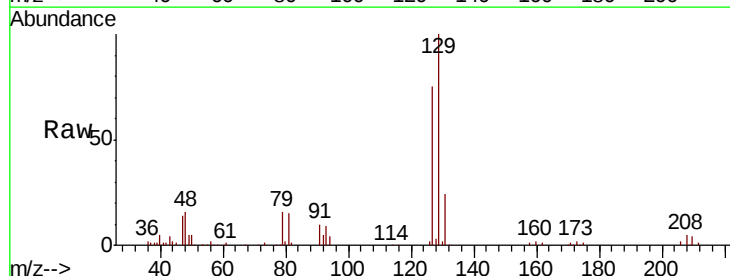
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

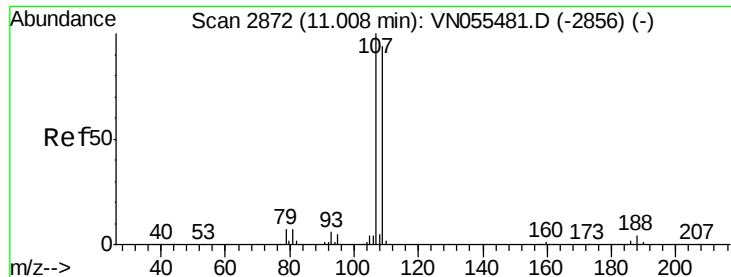
Tot Ion: 43 Resp: 989597
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0



#60
Dibromochloromethane
Concen: 21.499 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 129 Resp: 167679
Ion Ratio Lower Upper
129 100
127 75.8 38.6 116.0

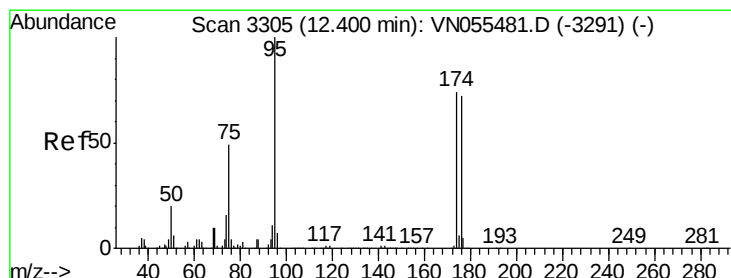
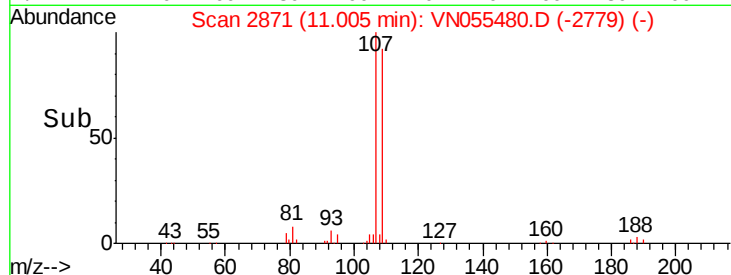
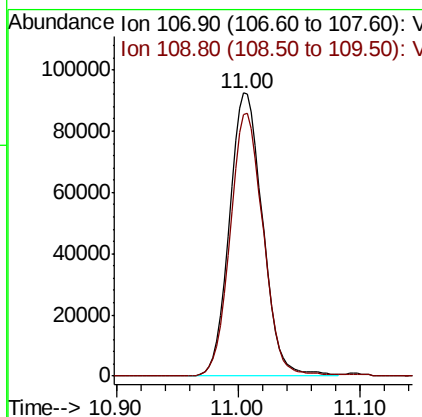
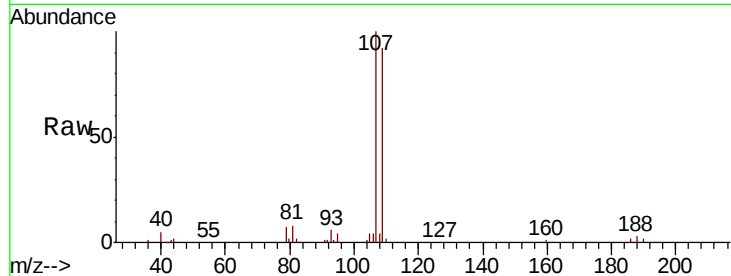




#61
 1,2-Dibromoethane
 Concen: 24.133 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

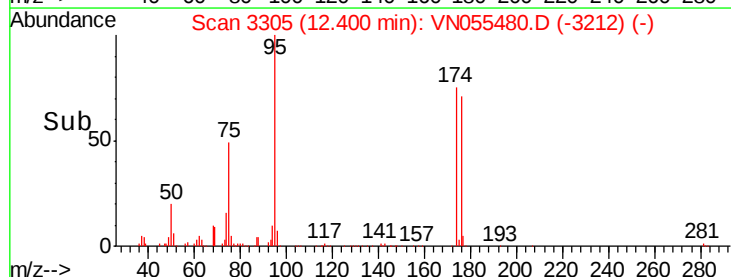
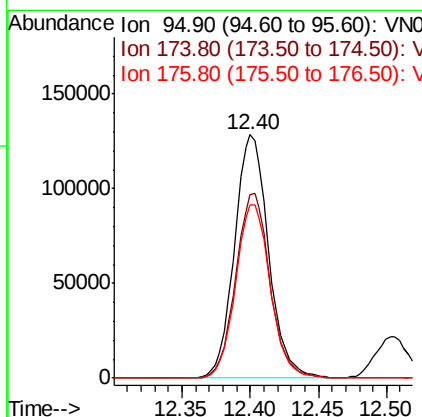
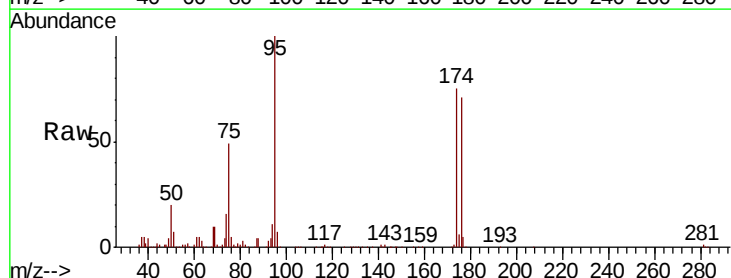
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

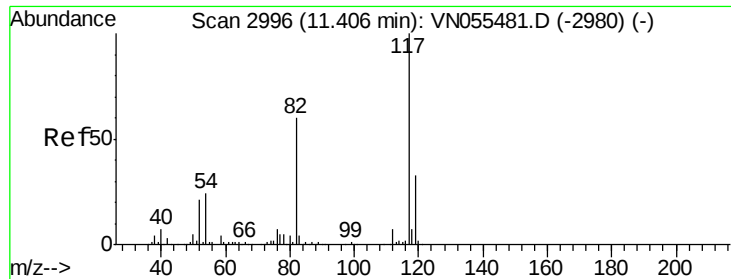
Tot Ion:107 Resp: 175689
 Ion Ratio Lower Upper
 107 100
 109 92.1 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 23.223 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 95 Resp: 222476
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 152.2
 176 72.4 0.0 147.8

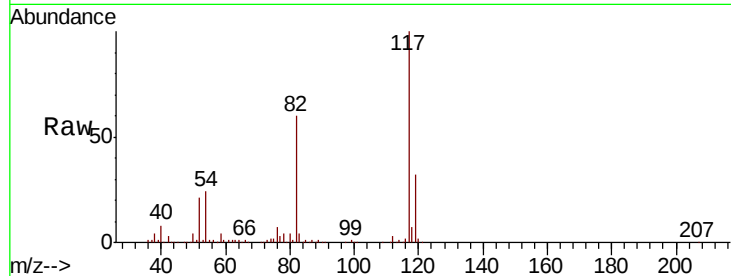




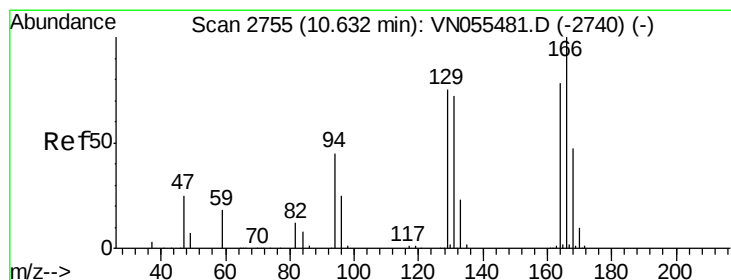
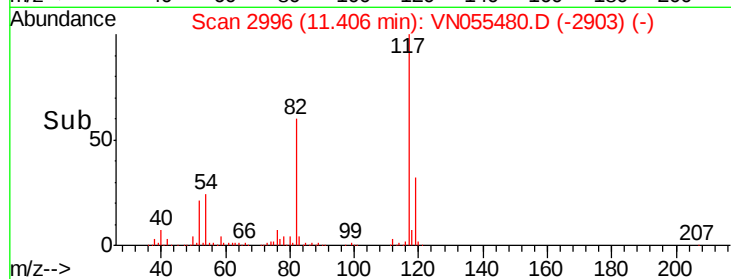
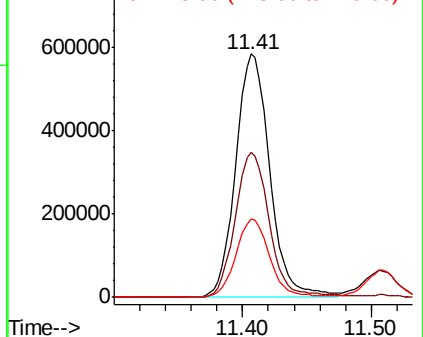
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 1075926
Ion Ratio Lower Upper
117 100
82 59.8 48.0 72.0
119 32.0 26.0 39.0

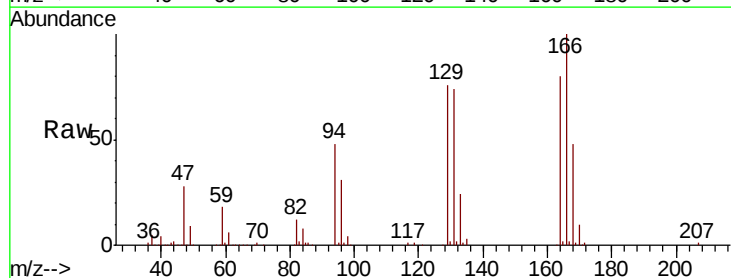


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

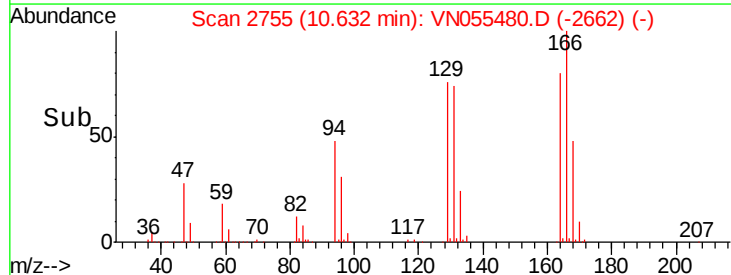
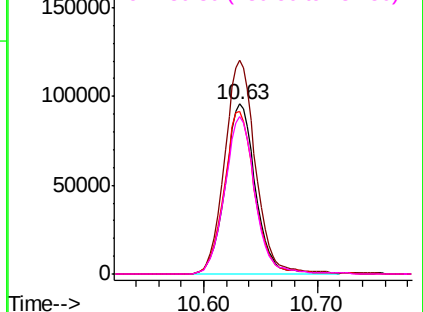


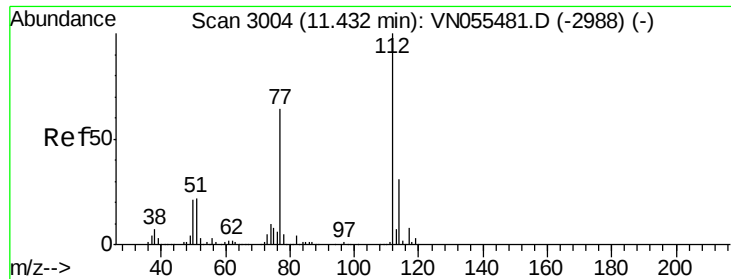
#64
Tetrachloroethene
Concen: 20.010 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion:164 Resp: 177092
Ion Ratio Lower Upper
164 100
166 125.5 102.6 153.8
129 95.9 77.0 115.6
131 92.6 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

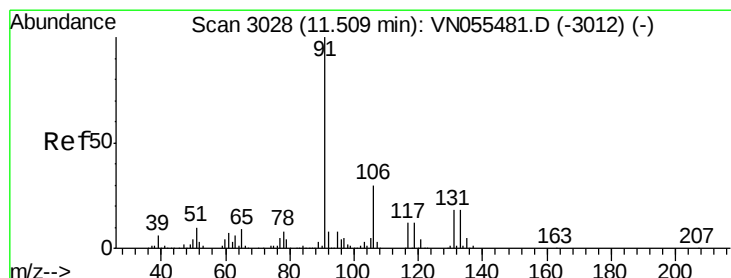
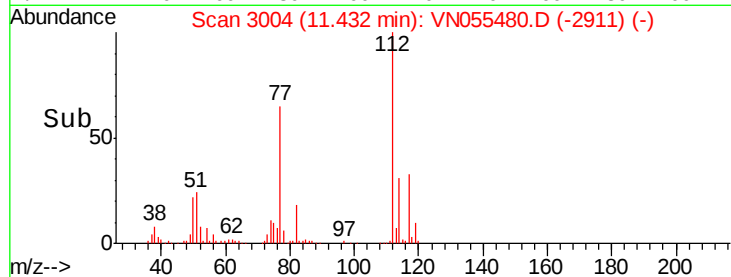
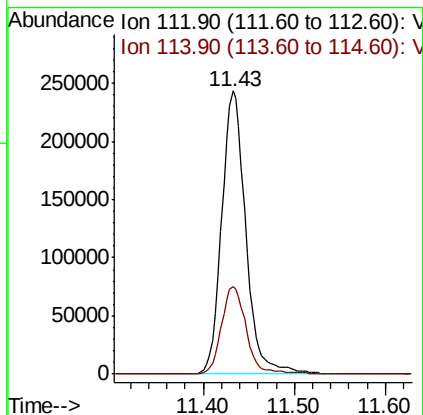
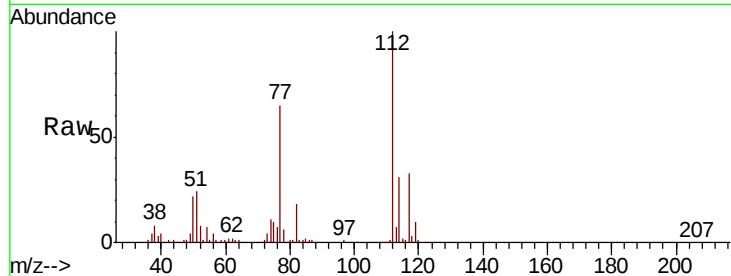




#65
Chlorobenzene
Concen: 20.973 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

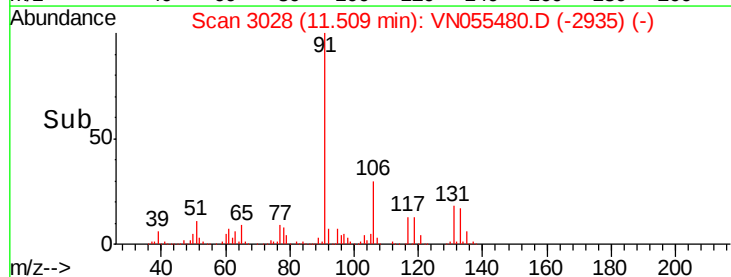
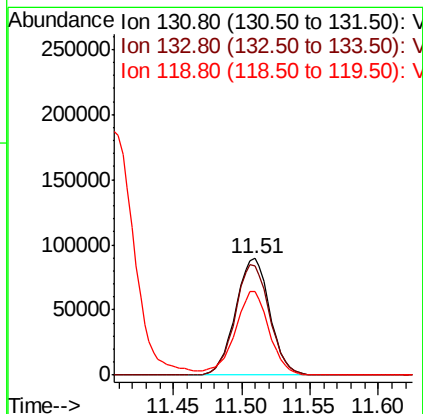
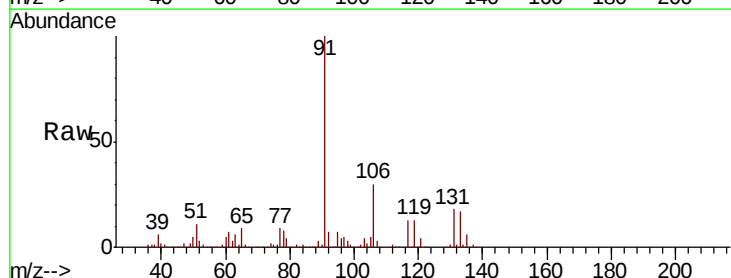
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

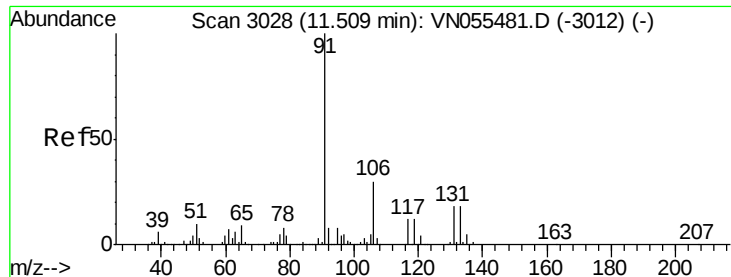
Tot Ion:112 Resp: 446922
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.117 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion:131 Resp: 156549
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.2
119 71.7 34.1 102.2

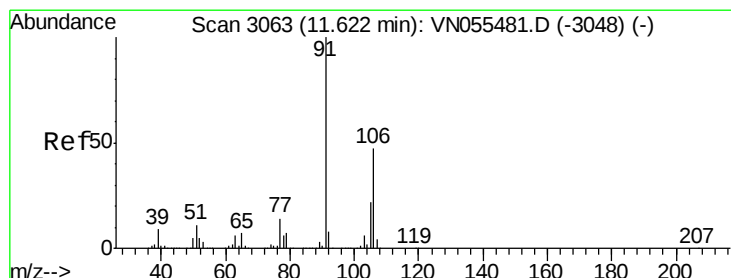
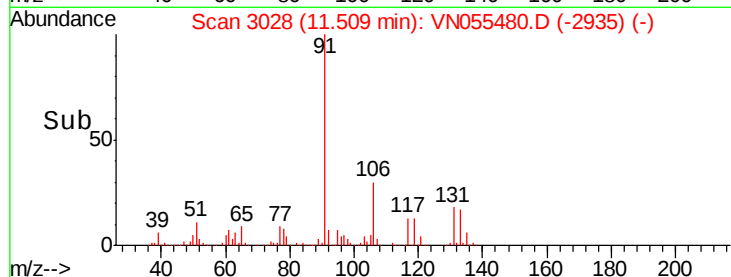
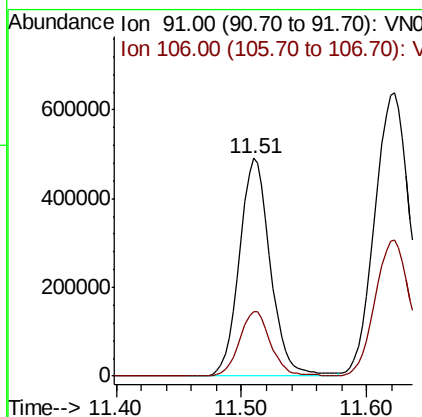
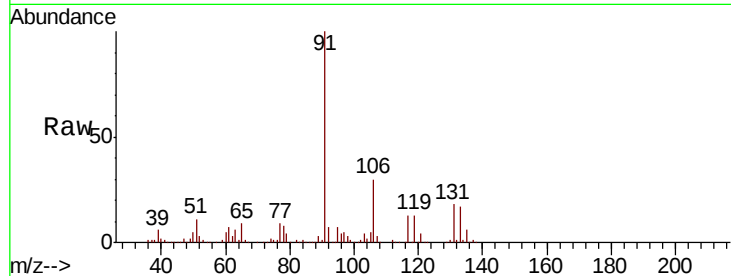




#67
Ethyl Benzene
Concen: 21.846 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

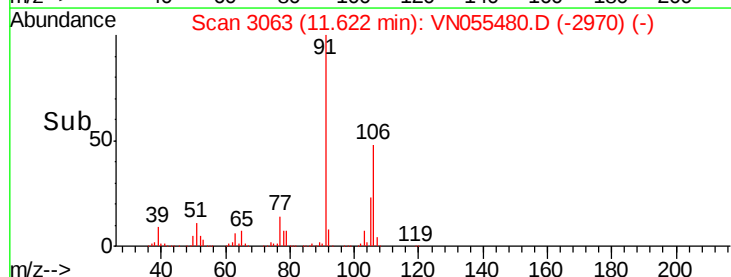
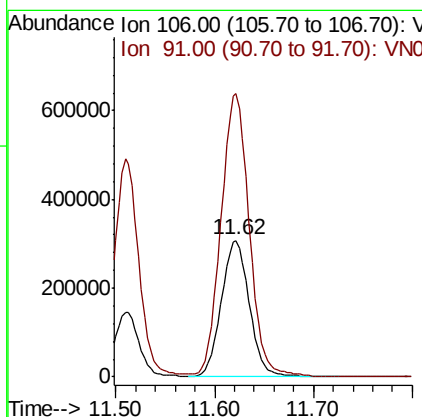
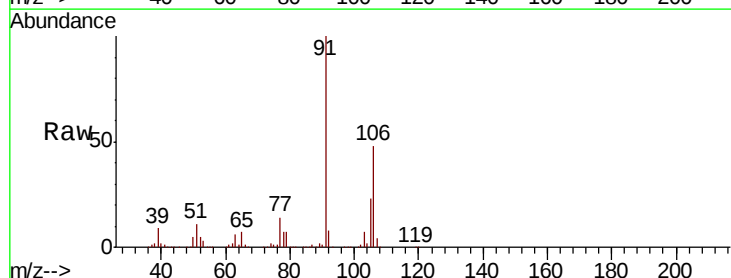
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

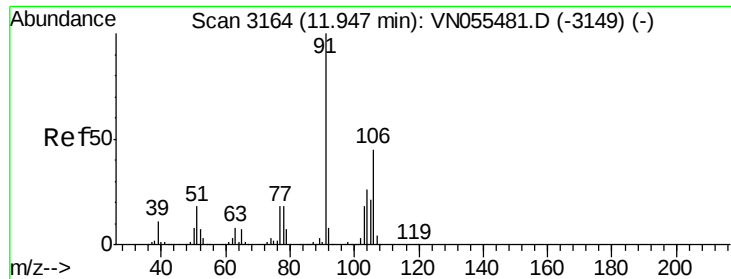
Tot Ion: 91 Resp: 844445
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#68
m/p-Xylenes
Concen: 44.301 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion: 106 Resp: 612682
Ion Ratio Lower Upper
106 100
91 209.8 169.2 253.8

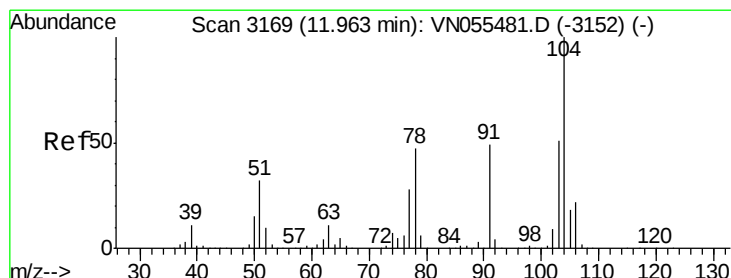
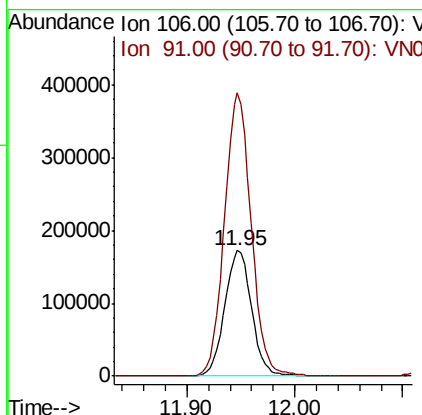
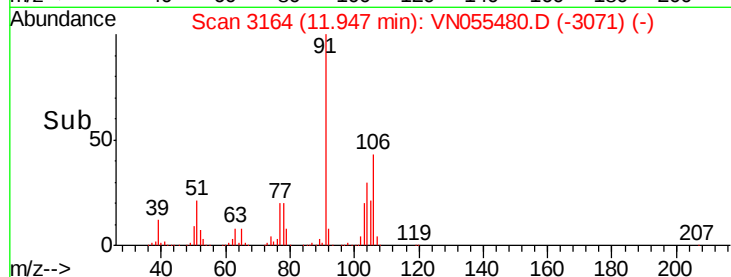
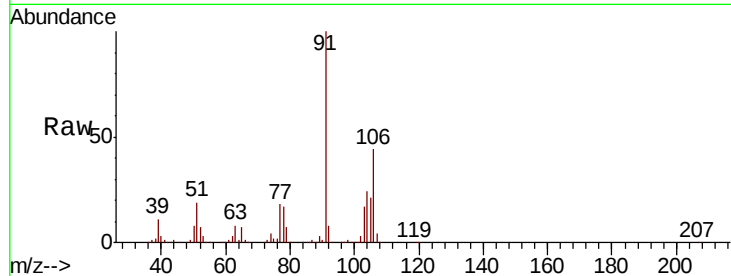




#69
o-Xylene
Concen: 21.872 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

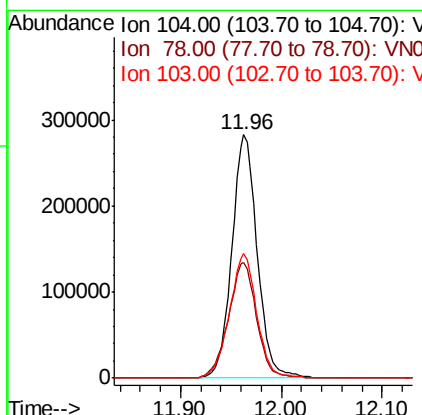
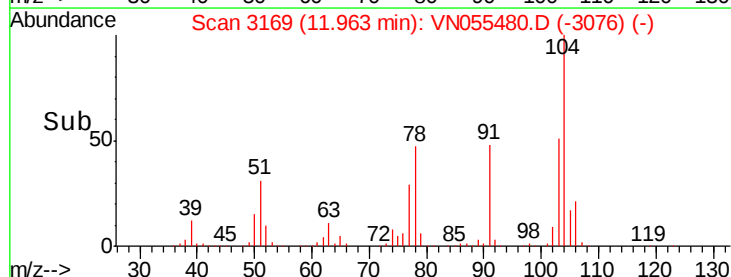
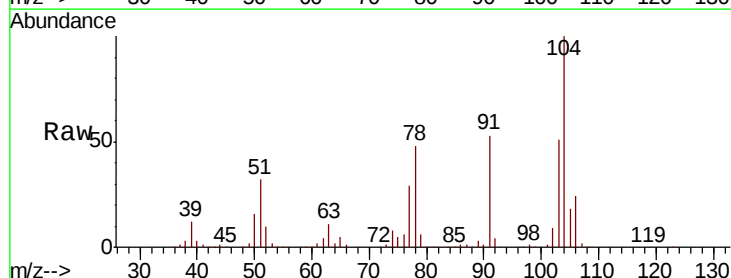
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

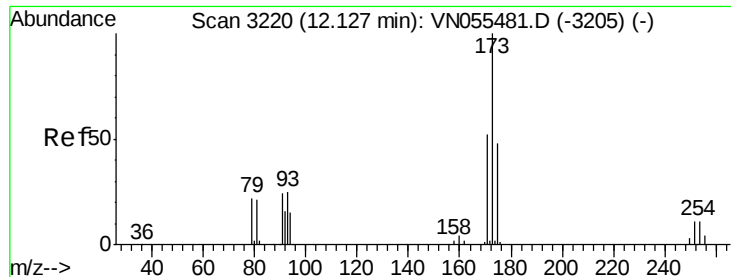
Tot Ion:106 Resp: 299897
Ion Ratio Lower Upper
106 100
91 223.2 111.3 333.8



#70
Styrene
Concen: 23.382 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion:104 Resp: 494855
Ion Ratio Lower Upper
104 100
78 52.7 41.6 62.4
103 55.2 44.4 66.6





#71

Bromoform

Concen: 22.958 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

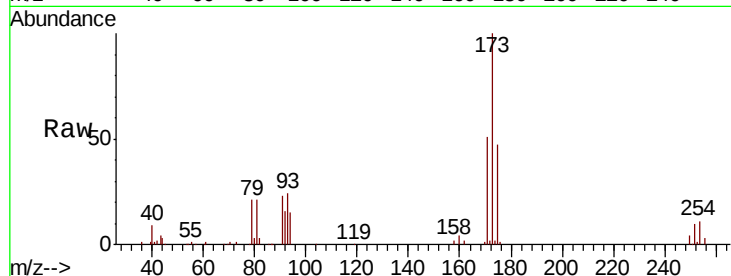
Tot Ion:173 Resp: 107337

Ion Ratio Lower Upper

173 100

175 47.0 24.1 72.4

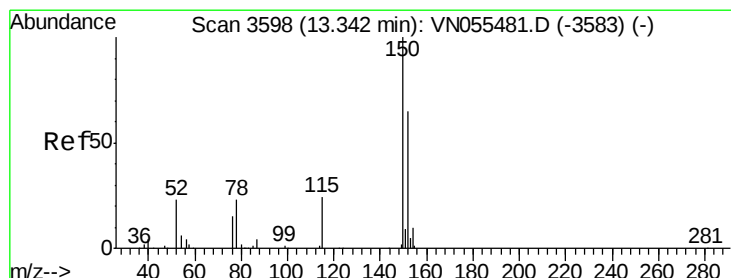
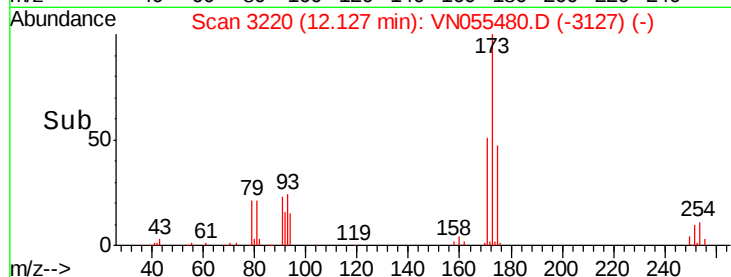
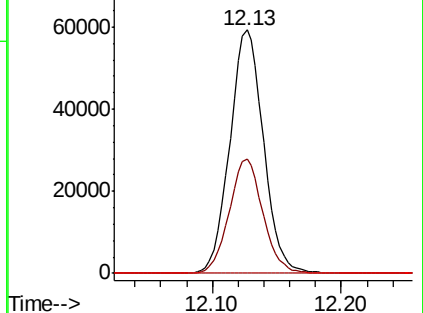
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

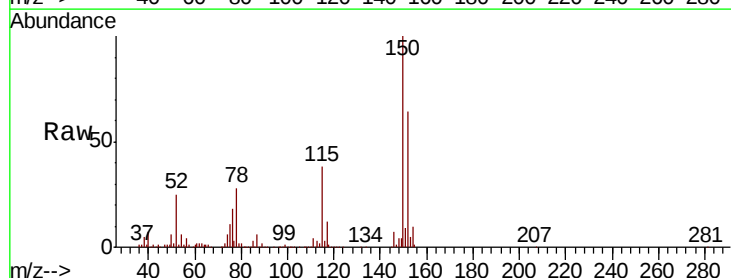
Tgt Ion:152 Resp: 415030

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.5

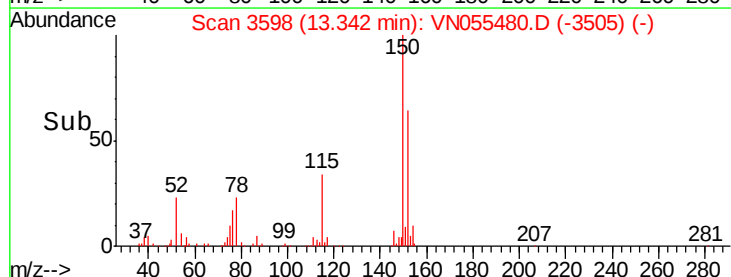
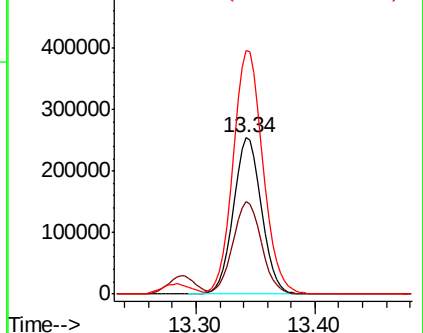
150 165.0 0.0 355.0

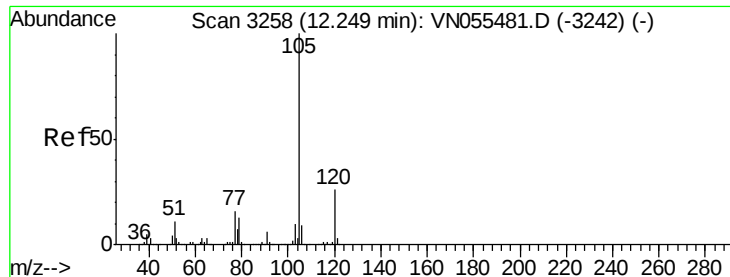


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.291 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

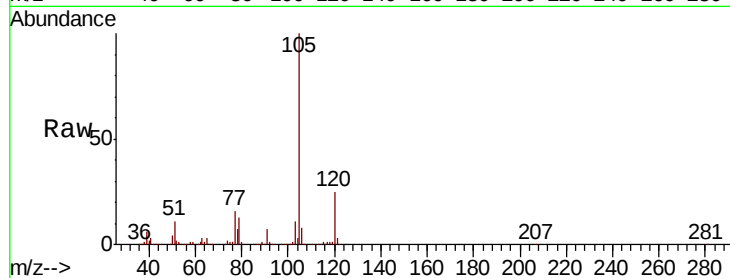
VSTDIC020

Tot Ion:105 Resp: 803889

Ion Ratio Lower Upper

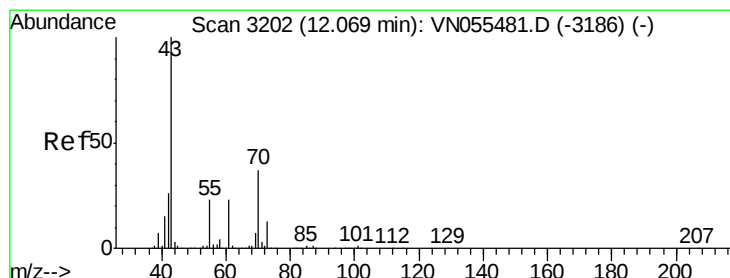
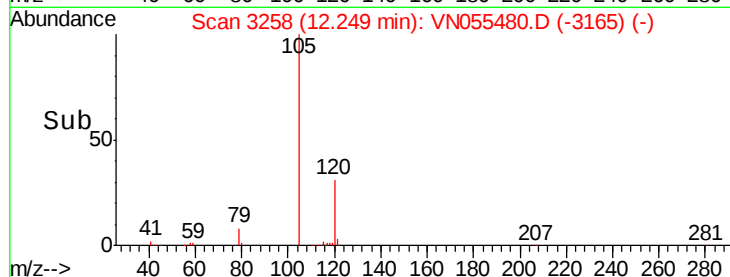
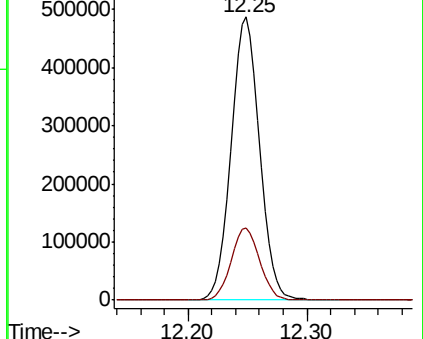
105 100

120 25.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 28.285 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Tgt Ion: 43 Resp: 325279

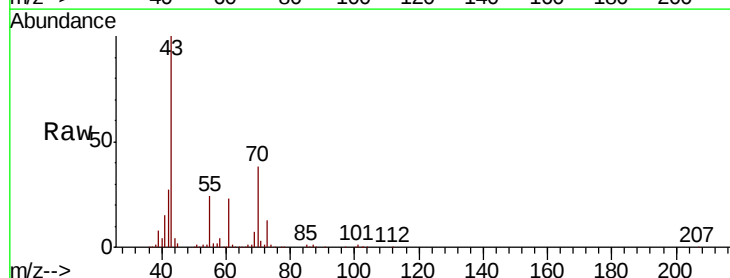
Ion Ratio Lower Upper

43 100

70 38.1 30.7 46.1

55 24.6 19.3 28.9

61 22.4 18.6 27.8

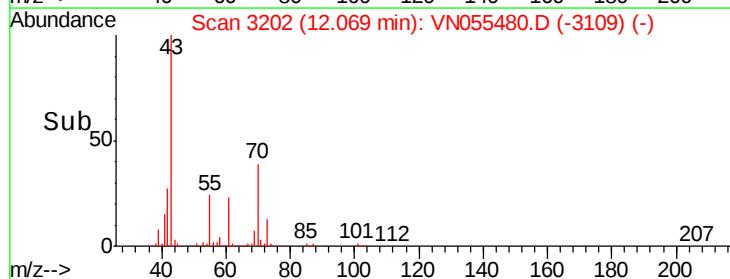
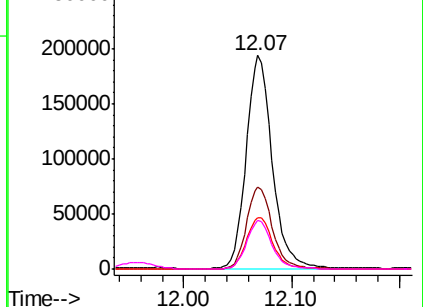


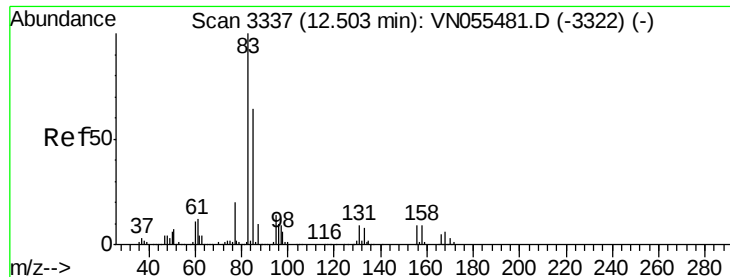
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.272 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

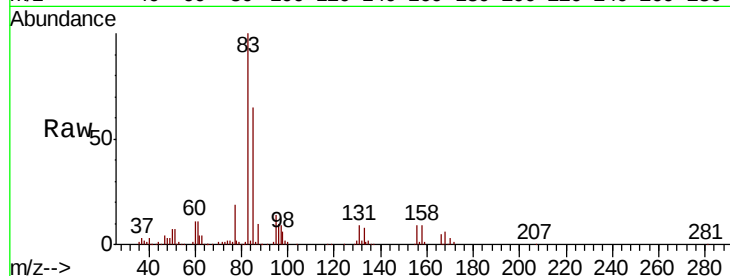
Tot Ion: 83 Resp: 256692

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.5

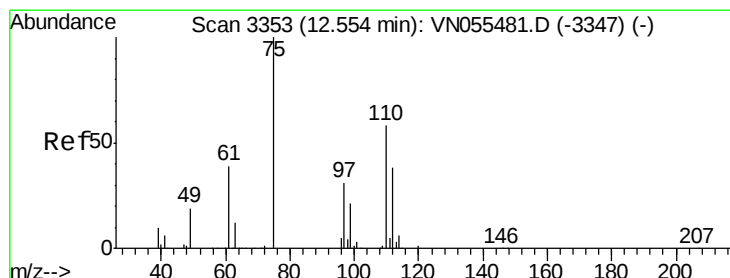
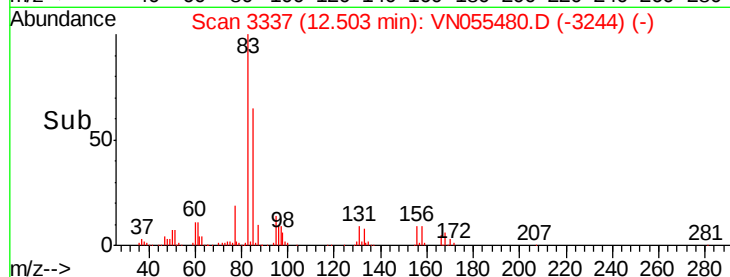
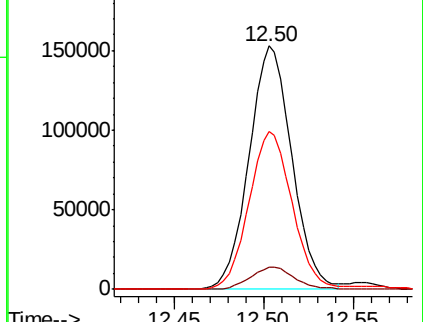
85 65.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055480.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055480.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055480.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 31.069 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055480.D

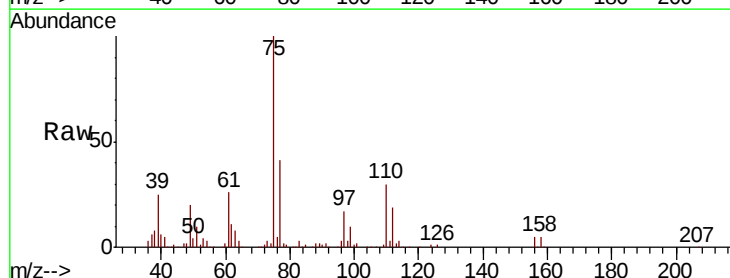
Acq: 8 May 2019 17:24

Tgt Ion: 75 Resp: 307972

Ion Ratio Lower Upper

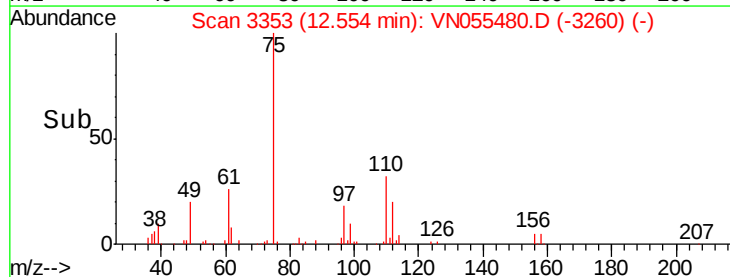
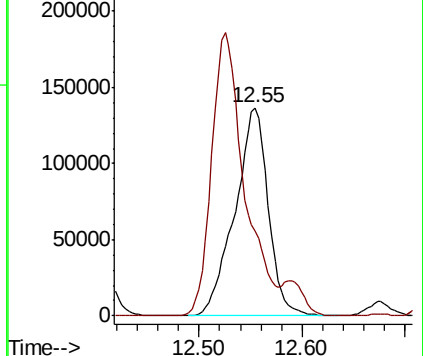
75 100

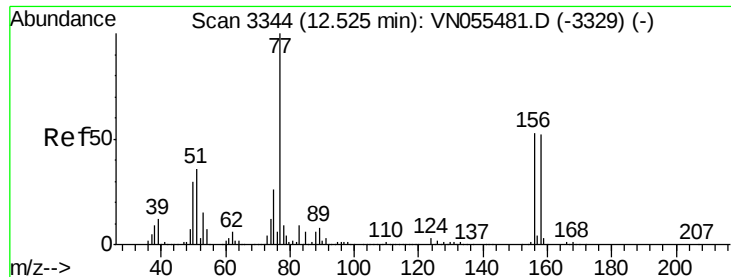
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055480.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055480.D (-3353) (-)





#77

Bromobenzene

Concen: 18.561 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

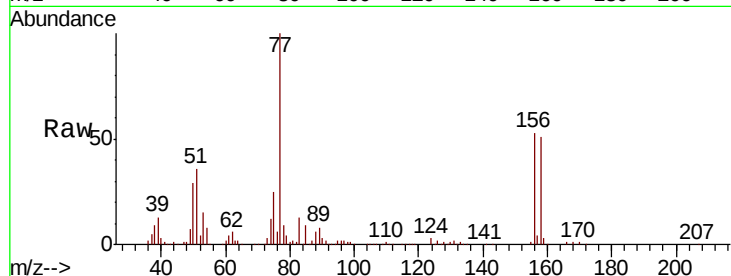
Tot Ion:156 Resp: 174943

Ion Ratio Lower Upper

156 100

77 234.6 115.4 346.2

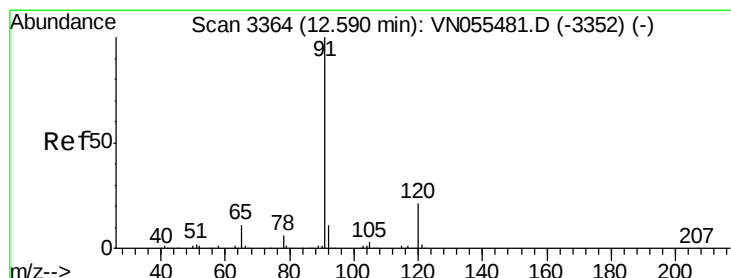
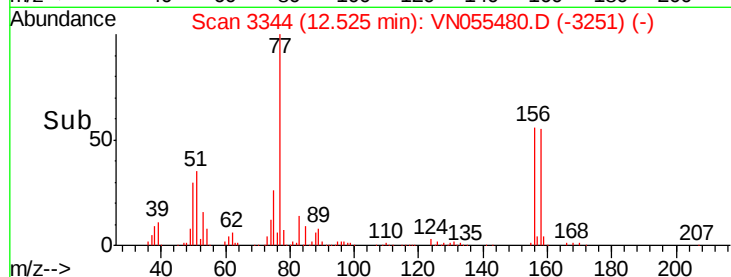
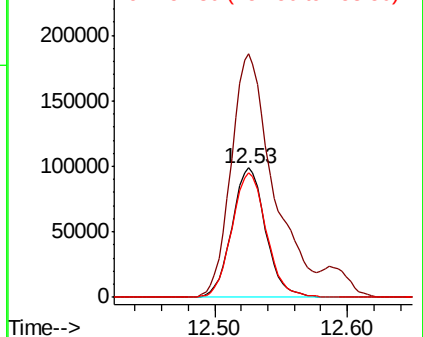
158 98.3 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.794 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055480.D

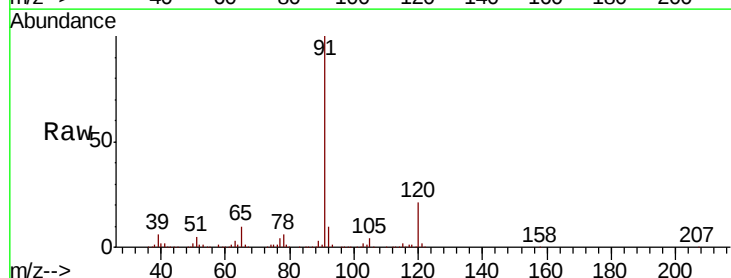
Acq: 8 May 2019 17:24

Tgt Ion: 91 Resp: 897039

Ion Ratio Lower Upper

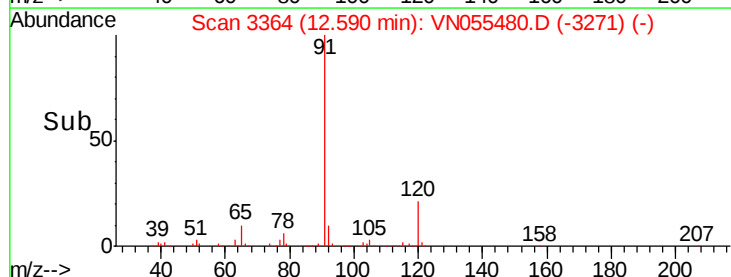
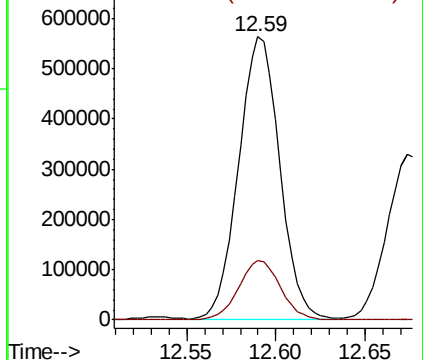
91 100

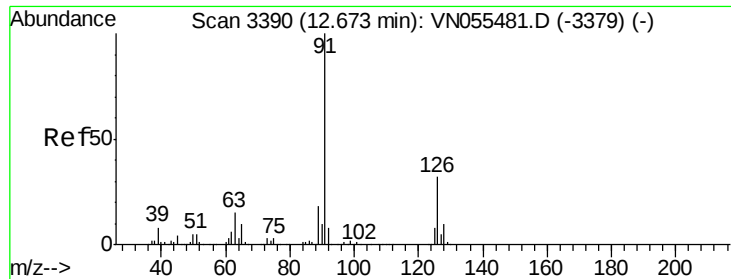
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

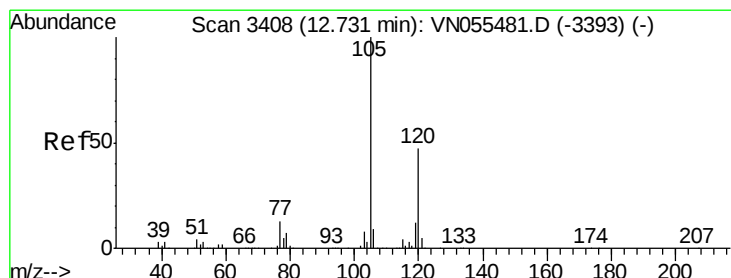
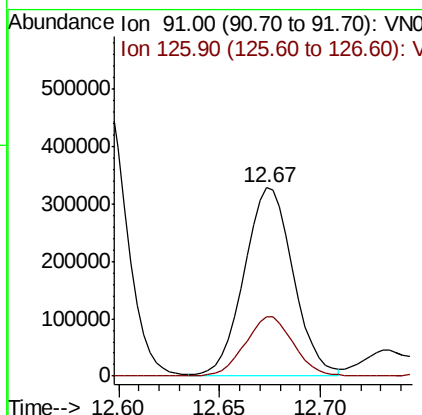
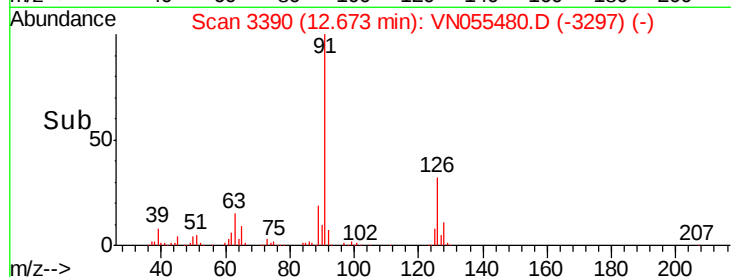
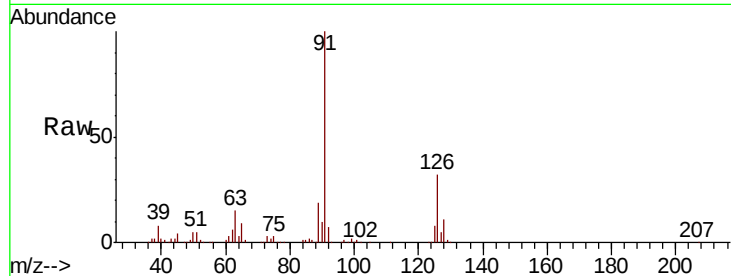




#79
 2-Chlorotoluene
 Concen: 20.069 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

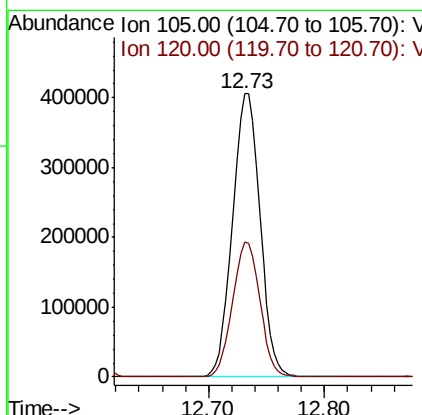
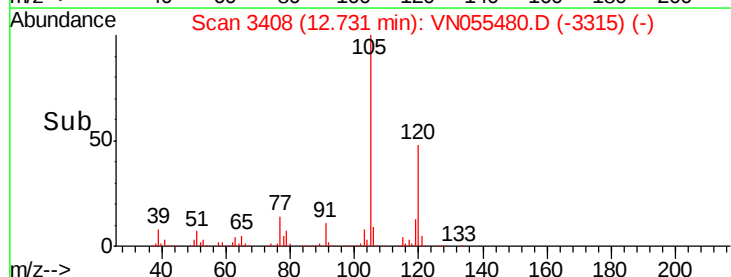
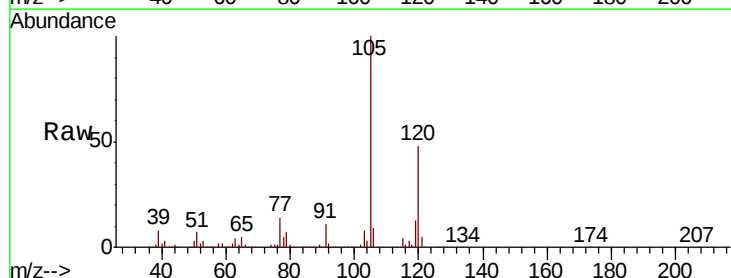
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

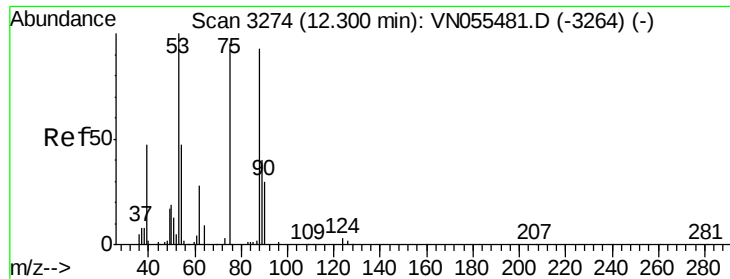
Tot Ion: 91 Resp: 553666
 Ion Ratio Lower Upper
 91 100
 126 31.6 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.065 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 105 Resp: 661652
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 26.132 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

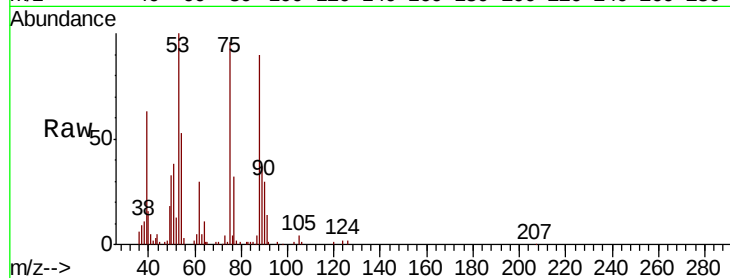
Tot Ion: 75 Resp: 62090

Ion Ratio Lower Upper

75 100

53 112.9 86.5 129.7

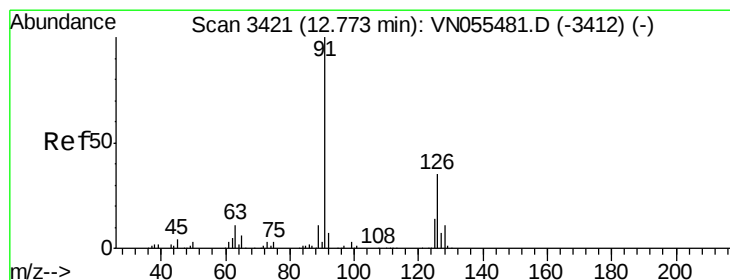
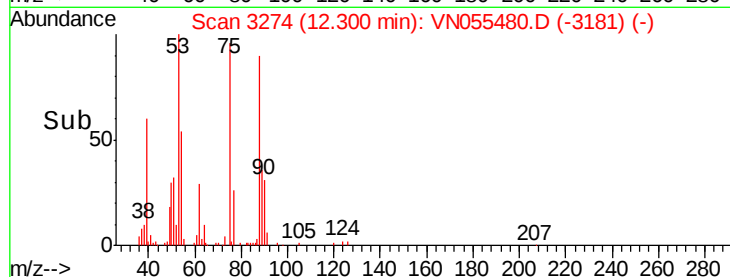
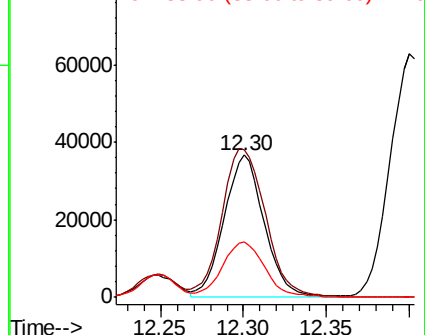
89 41.2 35.7 53.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.735 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055480.D

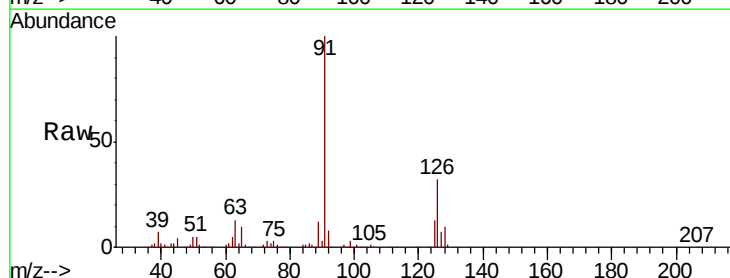
Acq: 8 May 2019 17:24

Tgt Ion: 91 Resp: 521967

Ion Ratio Lower Upper

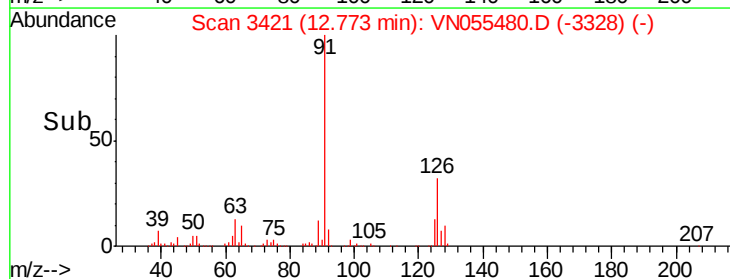
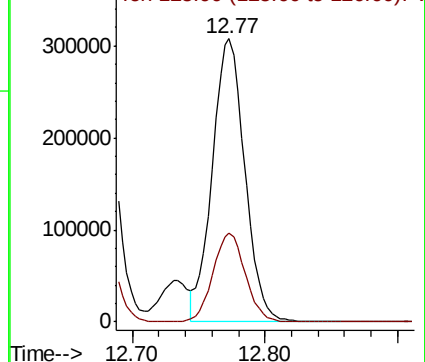
91 100

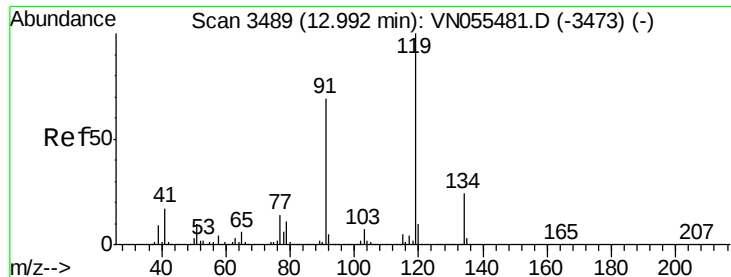
126 31.4 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

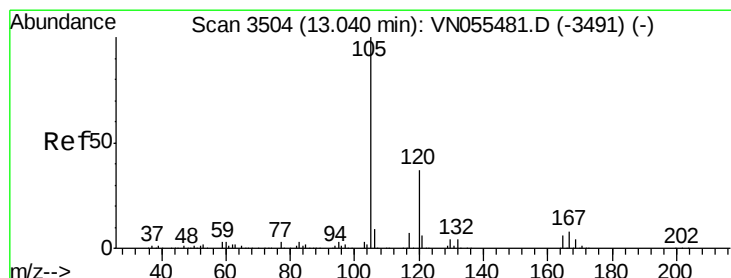
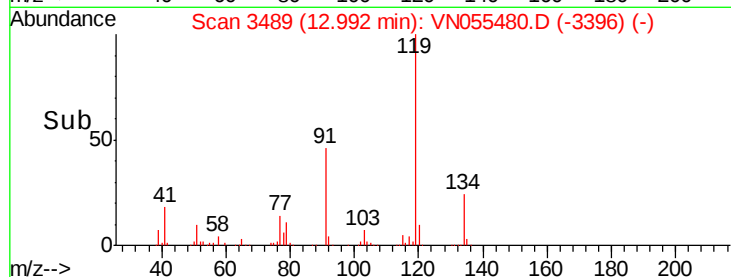
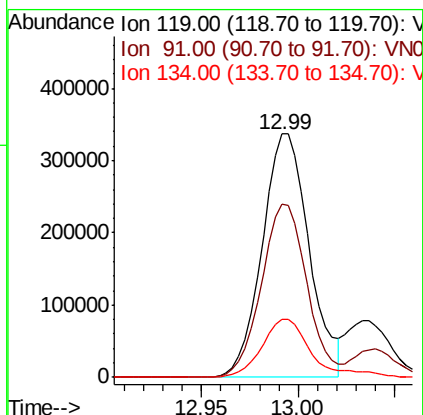
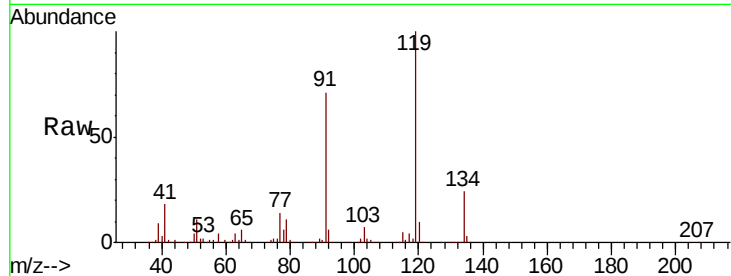




#83
tert-Butylbenzene
Concen: 19.311 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

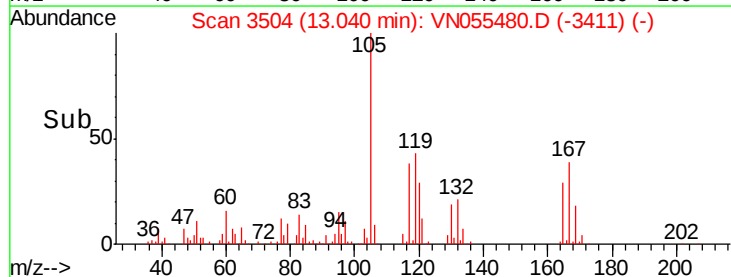
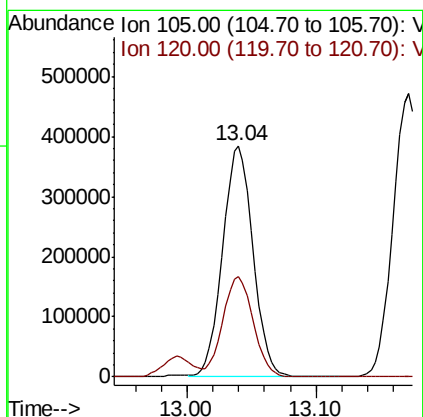
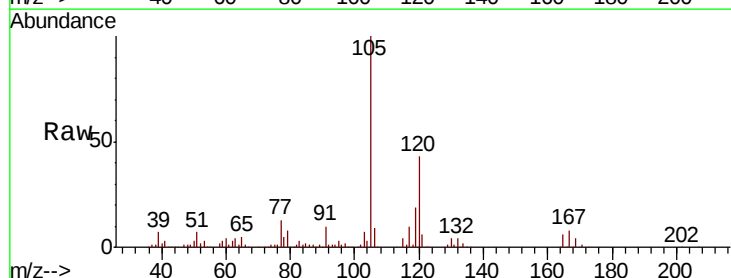
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

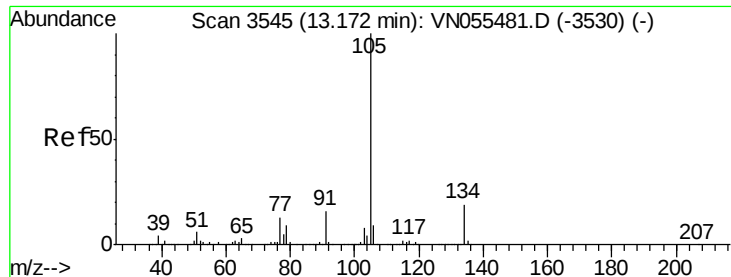
Tot Ion:119 Resp: 568956
Ion Ratio Lower Upper
119 100
91 68.5 33.8 101.3
134 25.1 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 21.245 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055480.D
Acq: 8 May 2019 17:24

Tgt Ion:105 Resp: 626363
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.049 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

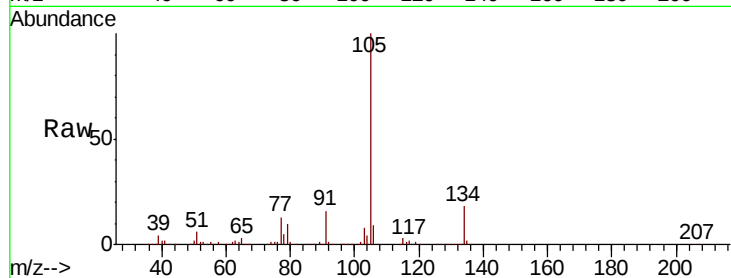
VSTDIC020

Tot Ion:105 Resp: 757004

Ion Ratio Lower Upper

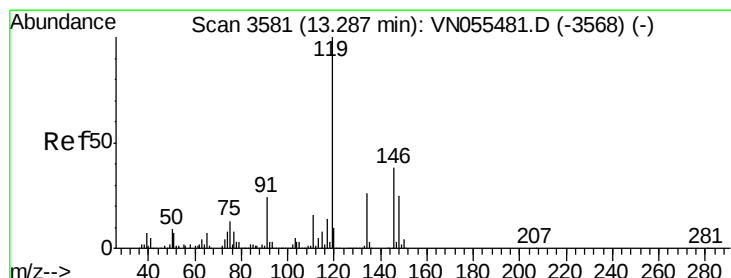
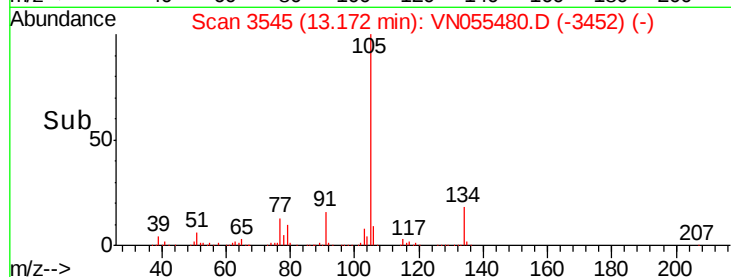
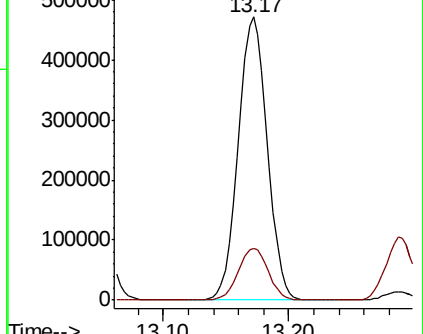
105 100

134 18.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.176 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

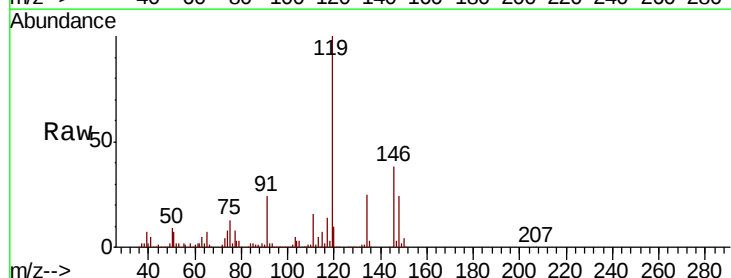
Tgt Ion:119 Resp: 625040

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

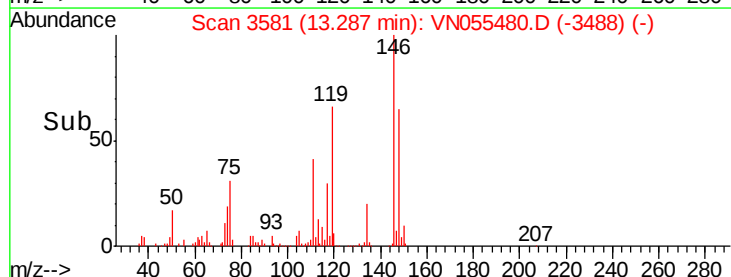
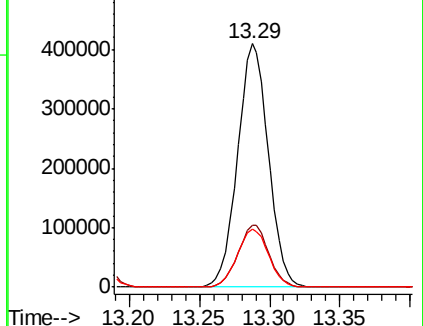
91 24.1 12.0 36.0

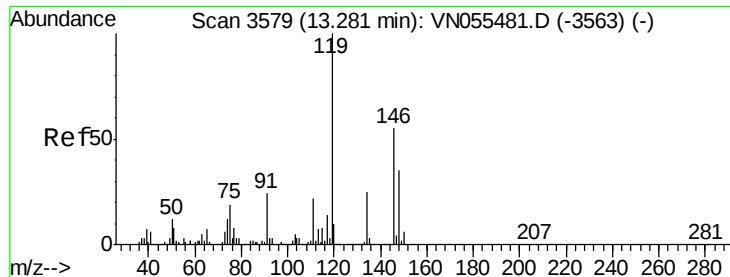


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.552 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

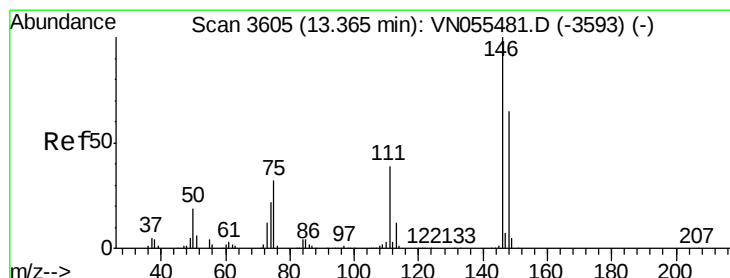
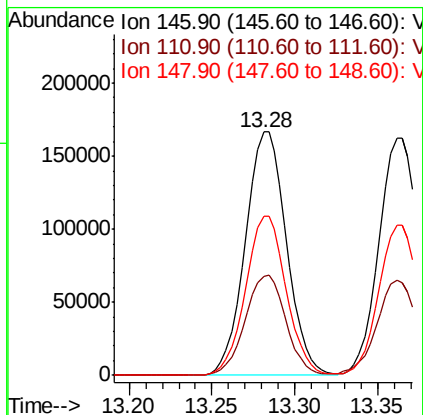
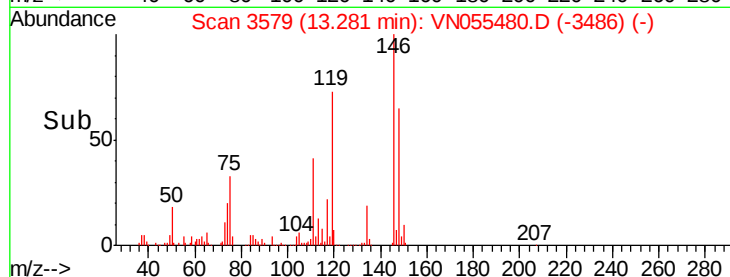
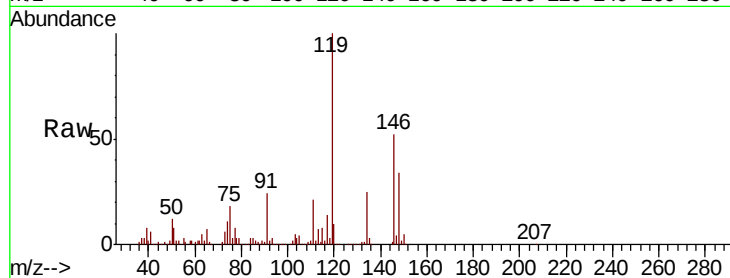
Tot Ion:146 Resp: 288537

Ion Ratio Lower Upper

146 100

111 40.7 20.4 61.3

148 64.4 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 21.110 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

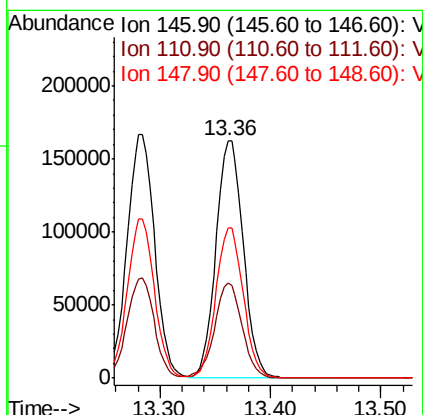
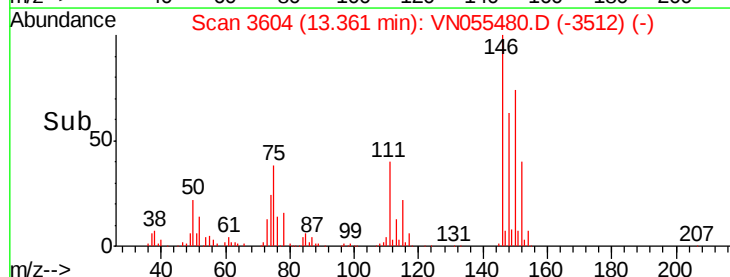
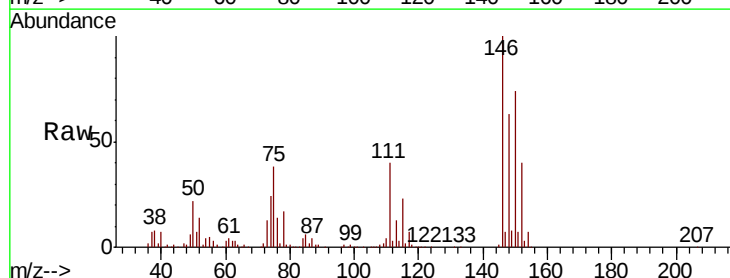
Tgt Ion:146 Resp: 279255

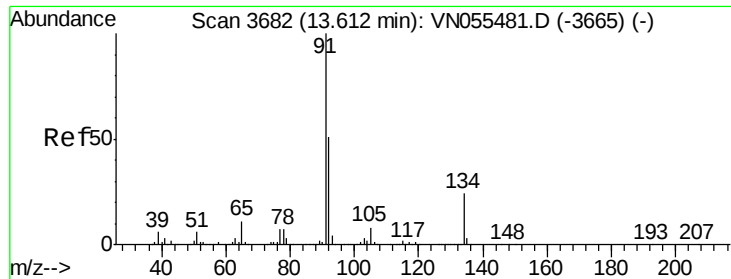
Ion Ratio Lower Upper

146 100

111 40.1 19.6 58.8

148 63.4 32.5 97.4





#89

n-Butylbenzene

Concen: 22.602 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

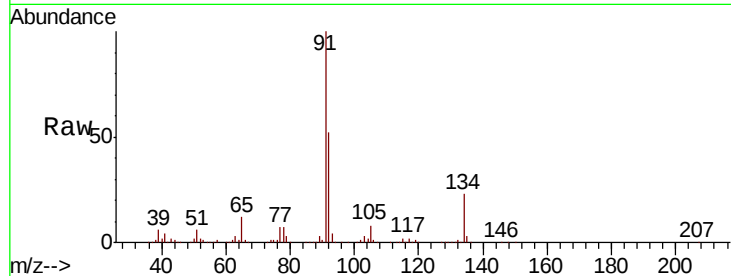
Tot Ion: 91 Resp: 481010

Ion Ratio Lower Upper

91 100

92 51.6 25.9 77.7

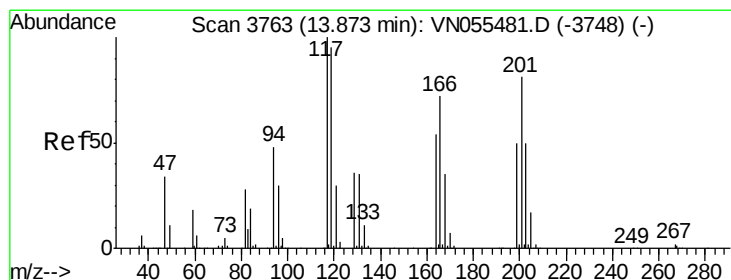
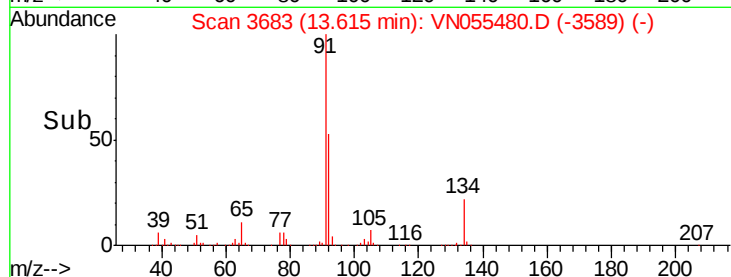
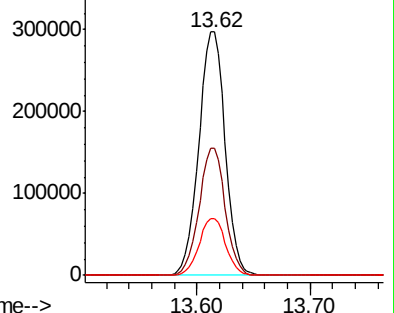
134 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN055480.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055480.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055480.D (-3682) (-)



#90

Hexachloroethane

Concen: 18.102 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055480.D

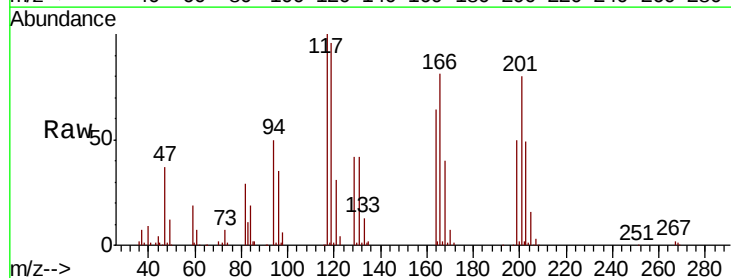
Acq: 8 May 2019 17:24

Tgt Ion: 117 Resp: 99342

Ion Ratio Lower Upper

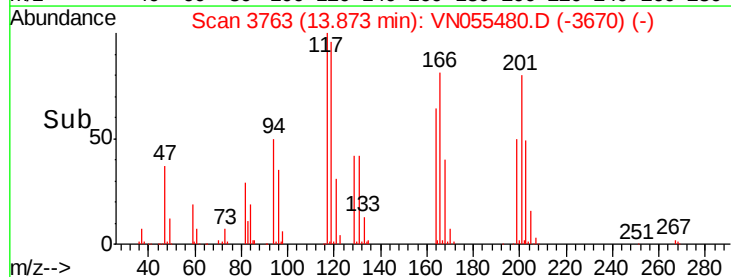
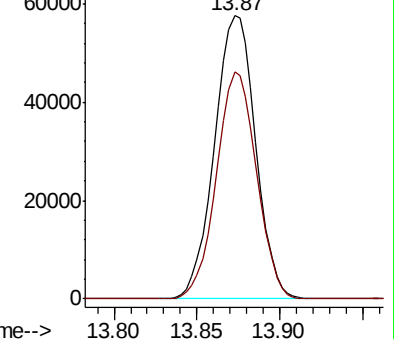
117 100

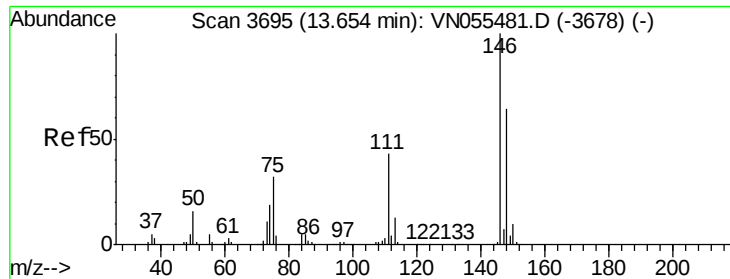
201 78.3 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN055480.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055480.D (-3763) (-)

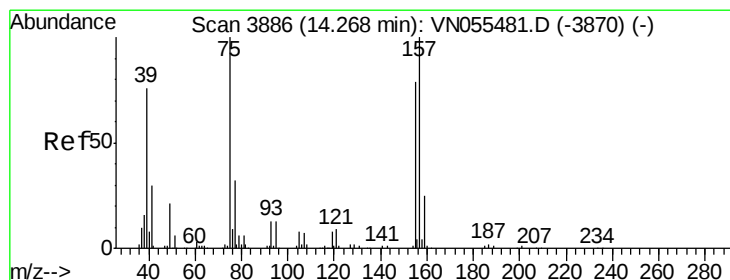
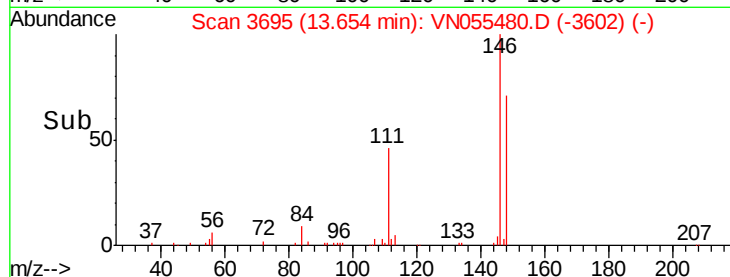
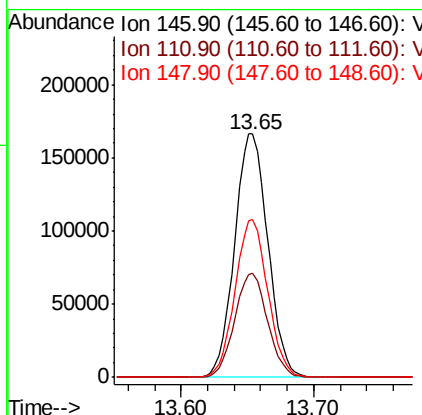
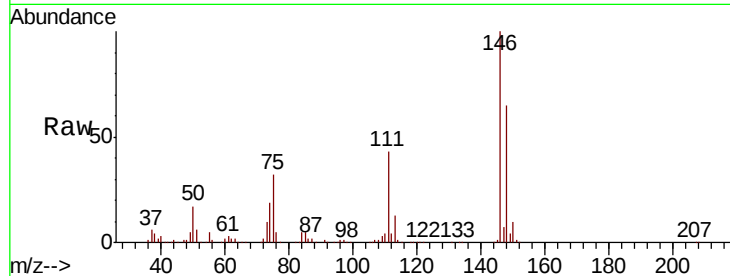




#91
 1,2-Dichlorobenzene
 Concen: 20.769 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

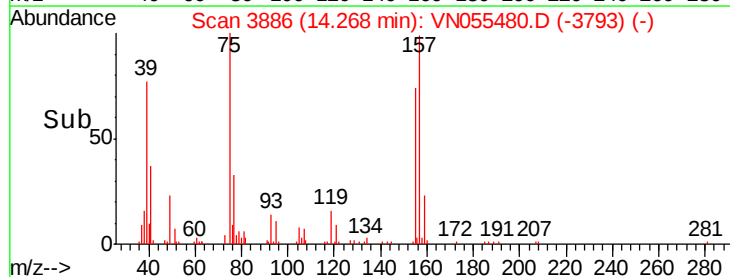
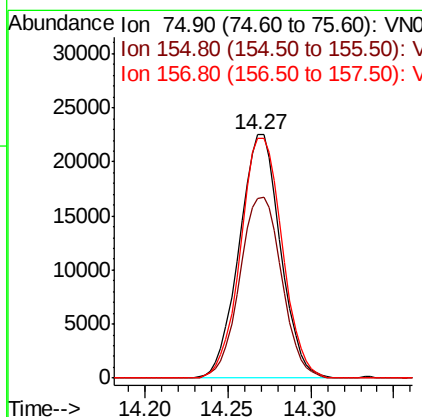
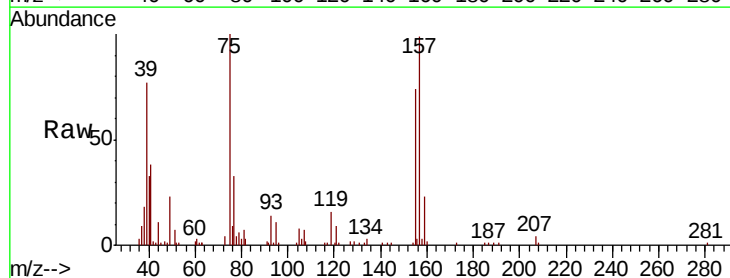
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

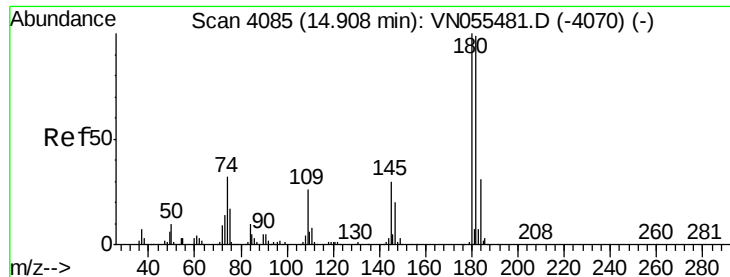
Tot Ion:146 Resp: 289279
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.3 63.7
 148 63.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 31.895 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion: 75 Resp: 38863
 Ion Ratio Lower Upper
 75 100
 155 75.9 39.3 117.8
 157 99.8 50.6 151.8

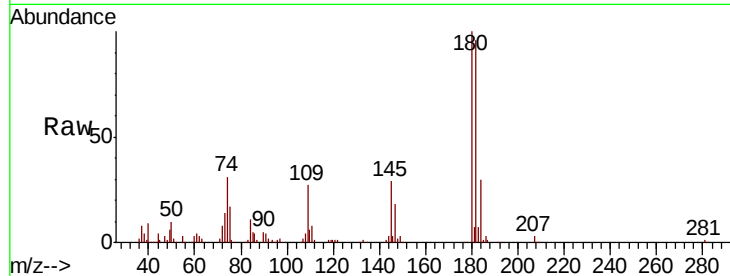




#93
 1,2,4-Trichlorobenzene
 Concen: 21.432 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.7	146.1
145	29.6	15.3	45.9

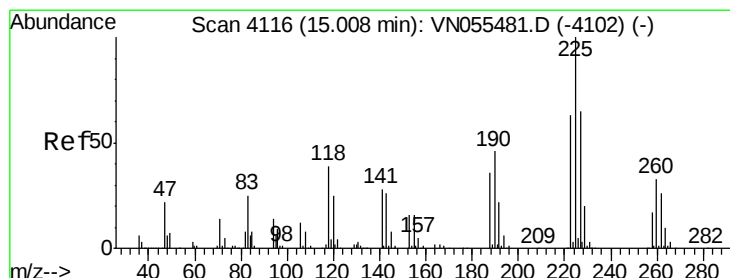
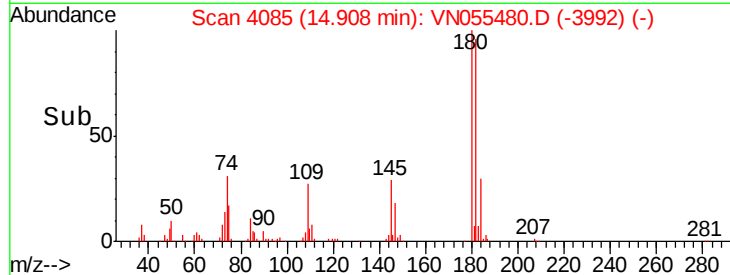
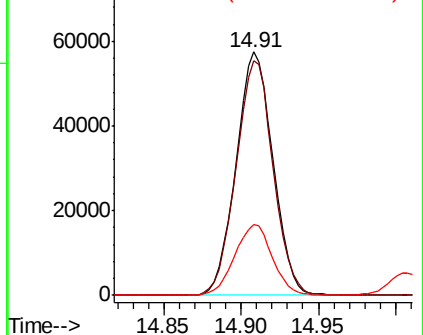


Abundance

Ion 179.80 (179.50 to 180.50): V

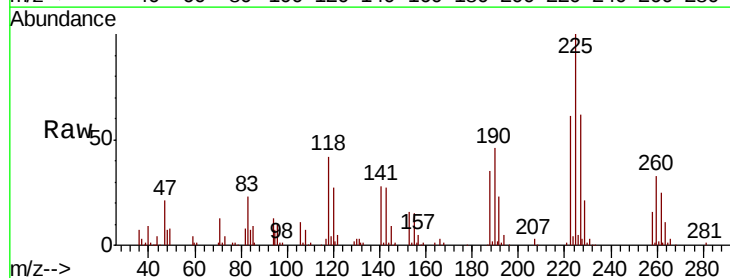
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.939 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055480.D
 Acq: 8 May 2019 17:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.3
227	62.8	32.0	96.0

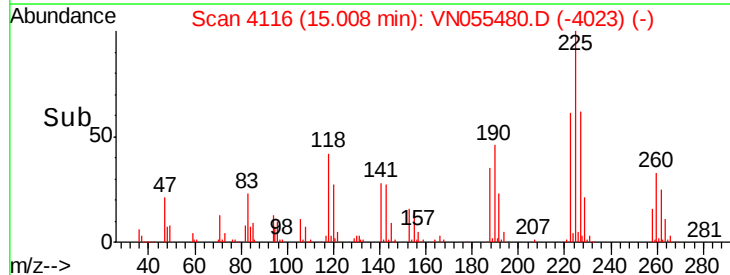
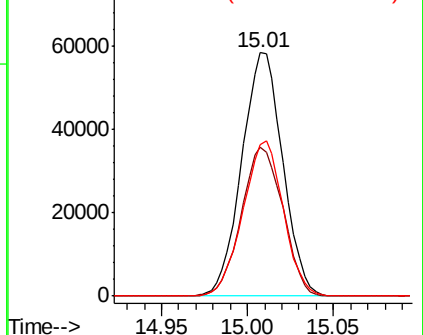


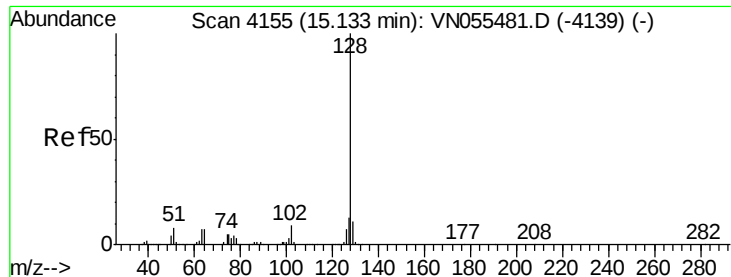
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 26.019 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

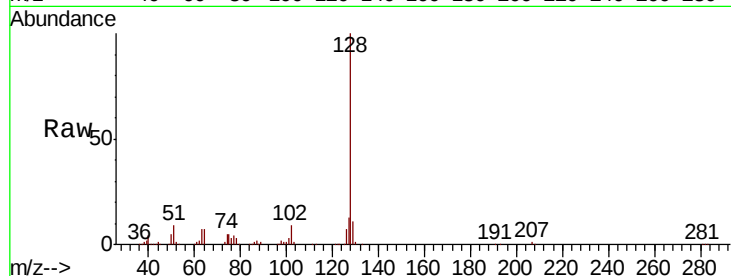
Tot Ion:128 Resp: 268443

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

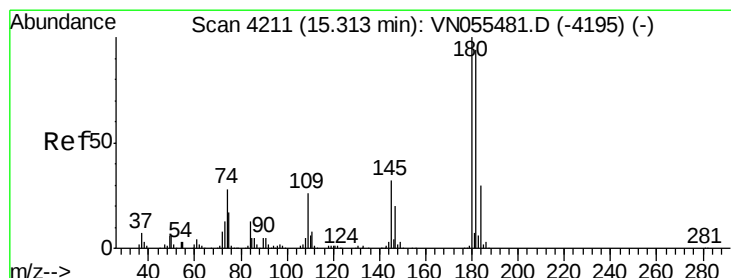
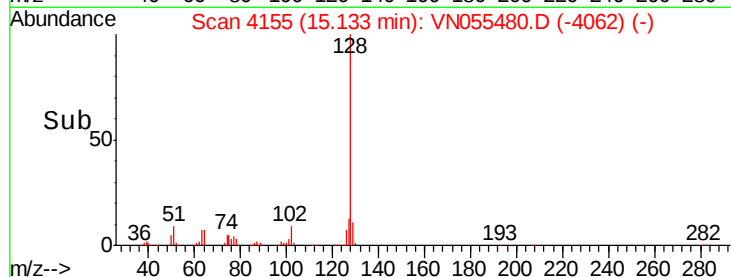
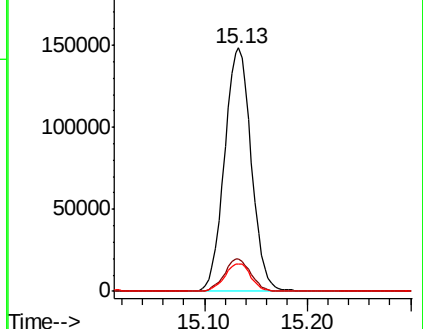
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.606 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055480.D

Acq: 8 May 2019 17:24

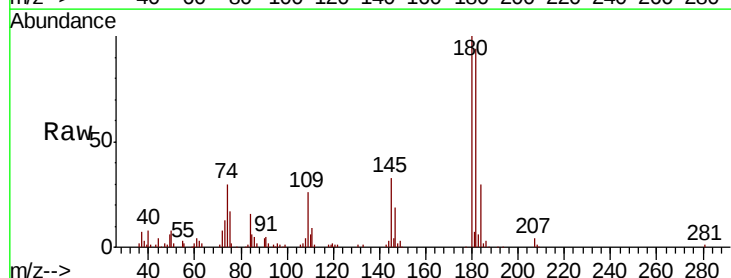
Tgt Ion:180 Resp: 109969

Ion Ratio Lower Upper

180 100

182 94.2 47.1 141.3

145 32.1 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

