

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055509.D
 Acq On : 9 May 2019 20:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 10 04:17:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	752094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1295407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1139398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	478173	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	543941	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.59	113	423152	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.09	98	1653262	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	563419	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	343937	44.917	ug/l	98
3) Chloromethane	2.06	50	550192	44.228	ug/l	99
4) Vinyl Chloride	2.19	62	535628	45.613	ug/l	99
5) Bromomethane	2.55	94	254948	39.625	ug/l	99
6) Chloroethane	2.70	64	329405	48.159	ug/l	97
7) Trichlorofluoromethane	3.02	101	609030	47.276	ug/l	99
8) Diethyl Ether	3.41	74	276460	47.784	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	384797	46.948	ug/l	99
10) Methyl Iodide	3.95	142	434163	39.192	ug/l	100
11) Tert butyl alcohol	4.81	59	329384	196.999	ug/l	100
12) 1,1-Dichloroethene	3.73	96	395496	48.114	ug/l	98
13) Acrolein	3.61	56	242901	217.979	ug/l	97
14) Allyl chloride	4.32	41	779934	46.319	ug/l	99
15) Acrylonitrile	4.99	53	1187689	229.403	ug/l	99
16) Acetone	3.82	43	985044	187.865	ug/l	97
17) Carbon Disulfide	4.05	76	1079395	48.113	ug/l	99
18) Methyl Acetate	4.33	43	494010	44.782	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1320052	48.330	ug/l	96
20) Methylene Chloride	4.55	84	490564	45.754	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	429439	48.186	ug/l	97
22) Diisopropyl ether	5.96	45	1668640	48.766	ug/l	99
23) Vinyl Acetate	5.90	43	6575219	248.476	ug/l	100
24) 1,1-Dichloroethane	5.85	63	876220	47.437	ug/l	99
25) 2-Butanone	6.84	43	1589816	219.495	ug/l	100
26) 2,2-Dichloropropane	6.82	77	536840	46.623	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	501310	48.672	ug/l	100
28) Bromochloromethane	7.20	49	471867	49.192	ug/l	96
29) Tetrahydrofuran	7.22	42	1069742	223.409	ug/l	100
30) Chloroform	7.37	83	818286	47.921	ug/l	99
31) Cyclohexane	7.65	56	827696	45.290	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	638236	49.082	ug/l	99
36) 1,1-Dichloropropene	7.79	75	629745	49.345	ug/l	99
37) Ethyl Acetate	6.93	43	651038	46.766	ug/l	99
38) Carbon Tetrachloride	7.77	117	512359	47.678	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	741006	47.622	ug/l	99
40) Benzene	8.04	78	1939848	48.976	ug/l	99
41) Methacrylonitrile	7.17	41	333368	51.594	ug/l	99
42) 1,2-Dichloroethane	8.13	62	661011	47.502	ug/l	100
43) Isopropyl Acetate	8.17	43	1032303	48.809	ug/l	98
44) Trichloroethene	8.84	130	460650	48.879	ug/l	96
45) 1,2-Dichloropropane	9.12	63	546628	48.234	ug/l	100
46) Dibromomethane	9.21	93	314543	47.884	ug/l	97
47) Bromodichloromethane	9.40	83	618370	49.207	ug/l	99
48) Methyl methacrylate	9.20	41	496415	48.715	ug/l	98
49) 1,4-Dioxane	9.20	88	162522	818.305	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3211890	230.908	ug/l	99
52) Toluene	10.16	92	1148307	50.712	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	628425	52.067	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	749438	51.964	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	449221	48.964	ug/l	98
56) Ethyl methacrylate	10.43	69	689463	50.523	ug/l	98
57) 1,3-Dichloropropane	10.71	76	802611	49.277	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	971663	213.441	ug/l	99
59) 2-Hexanone	10.75	43	2155965	221.012	ug/l	99
60) Dibromochloromethane	10.90	129	436712	52.355	ug/l	99
61) 1,2-Dibromoethane	11.00	107	440567	49.980	ug/l	97
64) Tetrachloroethene	10.63	164	443698	47.524	ug/l	100
65) Chlorobenzene	11.43	112	1151370	49.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	410536	50.871	ug/l	99
67) Ethyl Benzene	11.51	91	2155748	48.965	ug/l	100
68) m/p-Xylenes	11.62	106	1568472	99.271	ug/l	100
69) o-Xylene	11.95	106	772590	49.750	ug/l	99
70) Styrene	11.96	104	1288581	51.792	ug/l	100
71) Bromoform	12.13	173	282847	51.939	ug/l #	100
73) Isopropylbenzene	12.25	105	2046505	52.005	ug/l	100
74) N-amyl acetate	12.07	43	826270	45.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	642336	50.110	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	759817	58.369	ug/l #	100
77) Bromobenzene	12.53	156	466047	44.225	ug/l	97
78) n-propylbenzene	12.59	91	2325684	45.347	ug/l	100
79) 2-Chlorotoluene	12.67	91	1402945	43.893	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1733056	45.318	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	154362	43.755	ug/l	98
82) 4-Chlorotoluene	12.77	91	1369074	45.331	ug/l	99
83) tert-Butylbenzene	12.99	119	1442768	44.015	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1686051	48.073	ug/l	99
85) sec-Butylbenzene	13.17	105	1946117	44.673	ug/l	100
86) p-Isopropyltoluene	13.29	119	1679735	47.378	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	794160	48.771	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	764795	47.591	ug/l	99
89) n-Butylbenzene	13.61	91	1339135	48.729	ug/l	100
90) Hexachloroethane	13.87	117	257339	44.496	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	780901	47.984	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	97264	44.234	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

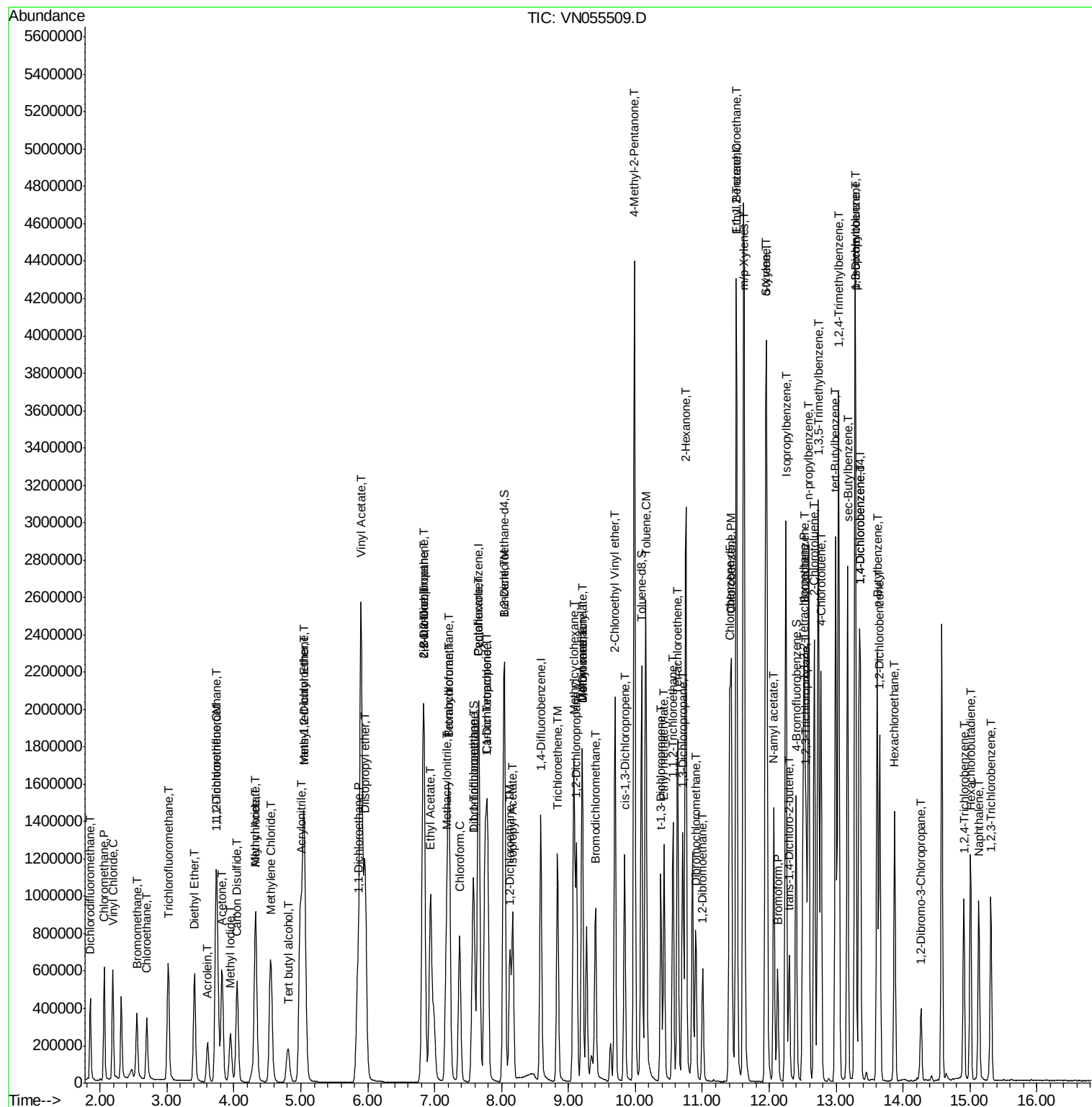
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	314833	44.787	ug/l	98
94) Hexachlorobutadiene	15.01	225	246132	51.161	ug/l	99
95) Naphthalene	15.13	128	819188	41.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	336414	44.141	ug/l	98

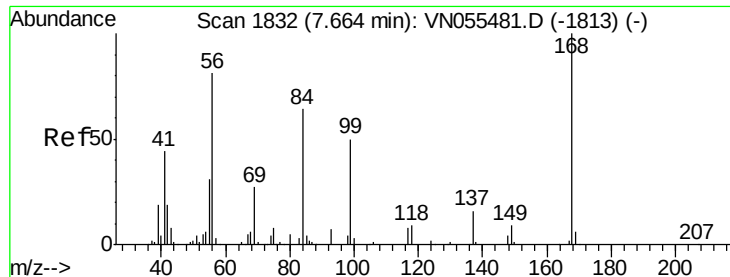
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

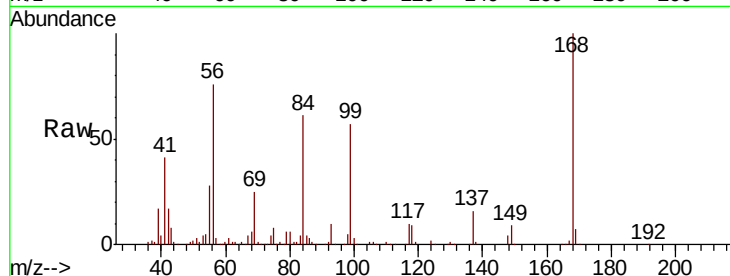
VSTDCCC050EC

Tot Ion:168 Resp: 752094

Ion Ratio Lower Upper

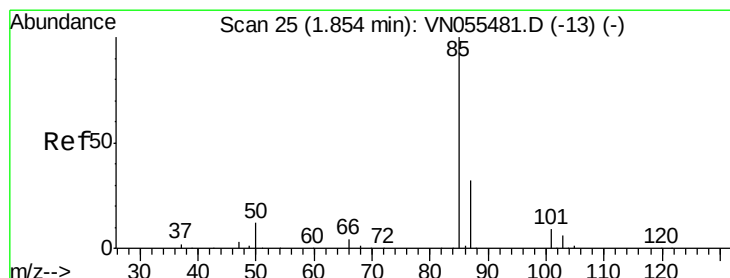
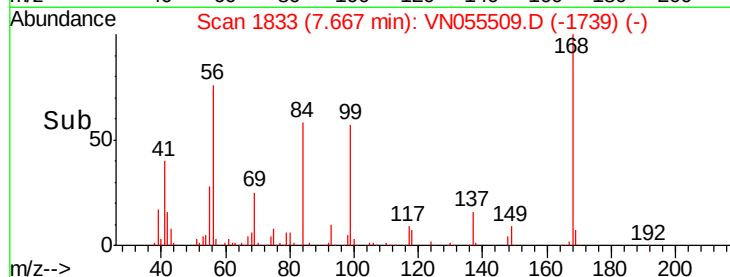
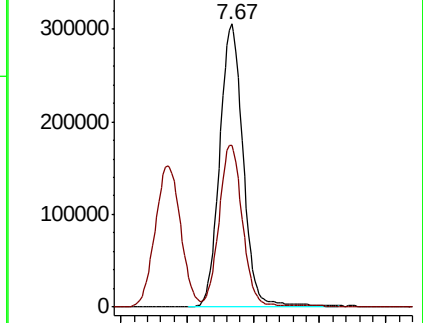
168 100

99 56.9 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.917 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055509.D

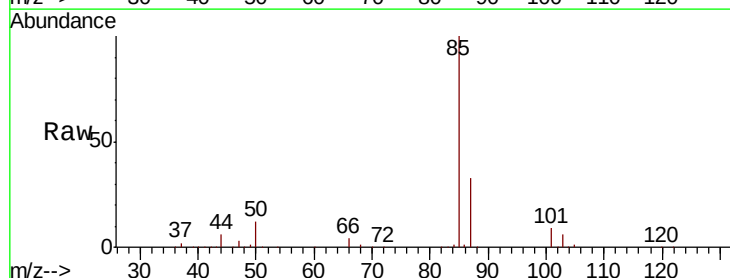
Acq: 9 May 2019 20:14

Tgt Ion: 85 Resp: 343937

Ion Ratio Lower Upper

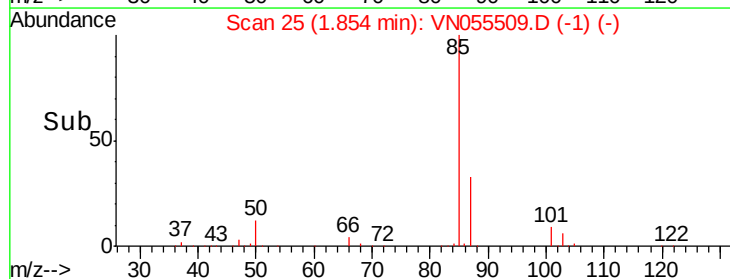
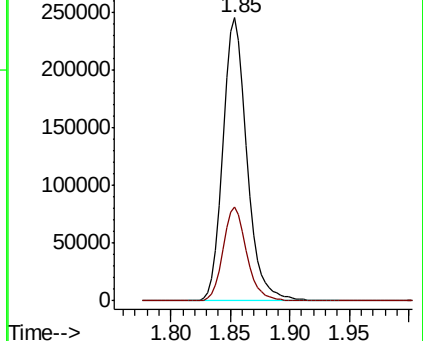
85 100

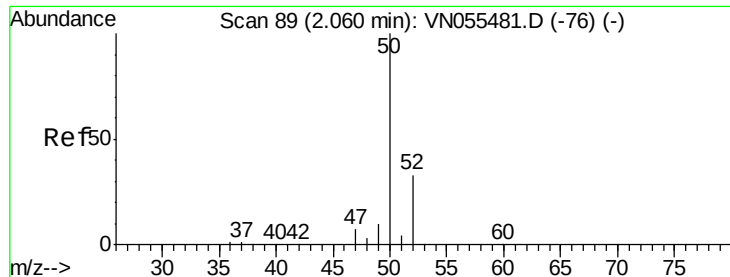
87 33.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.228 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

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ClientSampleId :

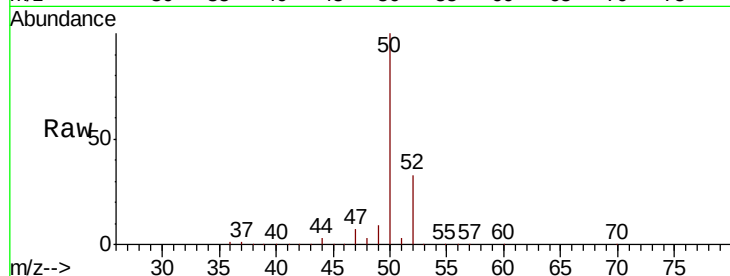
VSTDCCC050EC

Tot Ion: 50 Resp: 550192

Ion Ratio Lower Upper

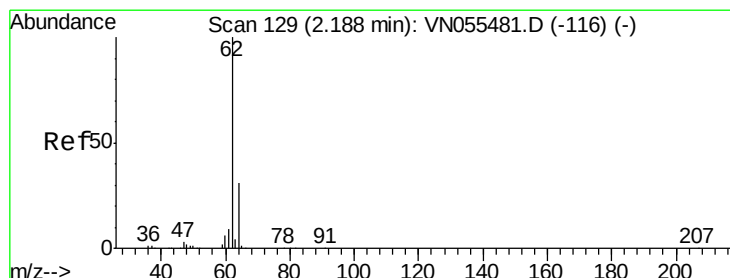
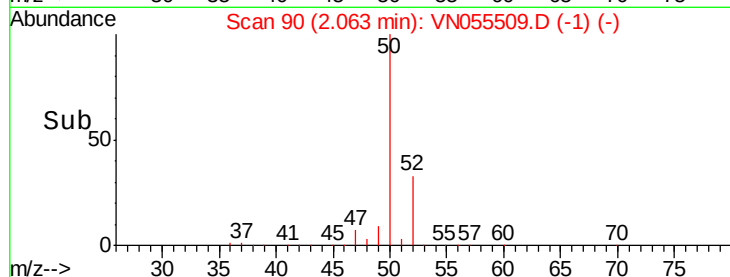
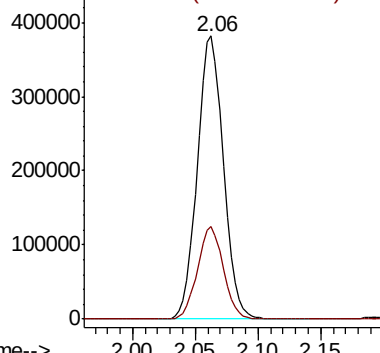
50 100

52 32.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.613 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055509.D

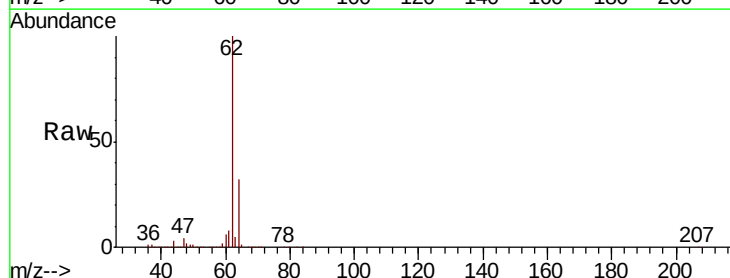
Acq: 9 May 2019 20:14

Tgt Ion: 62 Resp: 535628

Ion Ratio Lower Upper

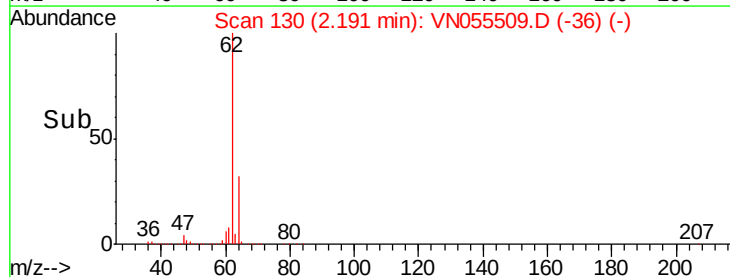
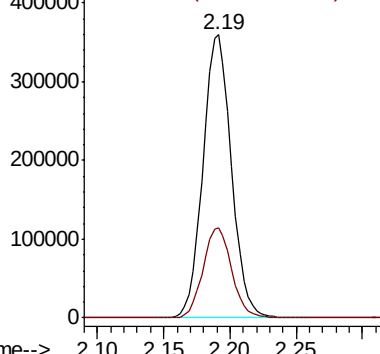
62 100

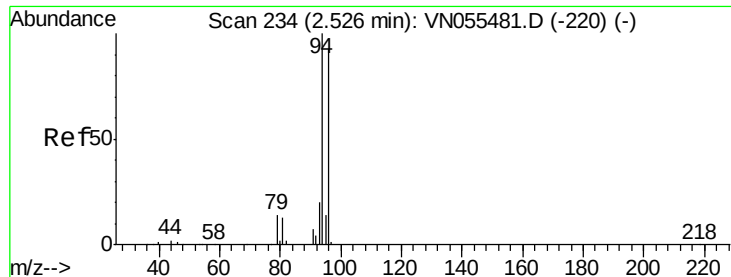
64 32.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 39.625 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

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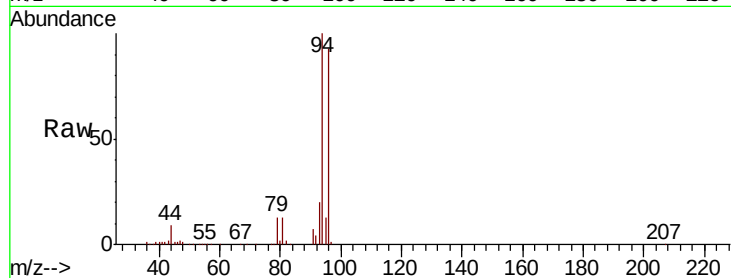
VSTDCCC050EC

Tot Ion: 94 Resp: 254948

Ion Ratio Lower Upper

94 100

96 92.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN055509.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN055509.D (-141) (-)

2.55

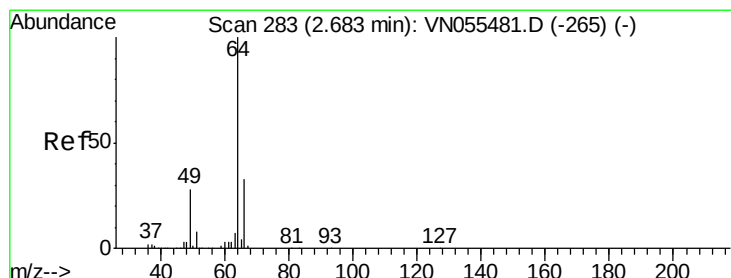
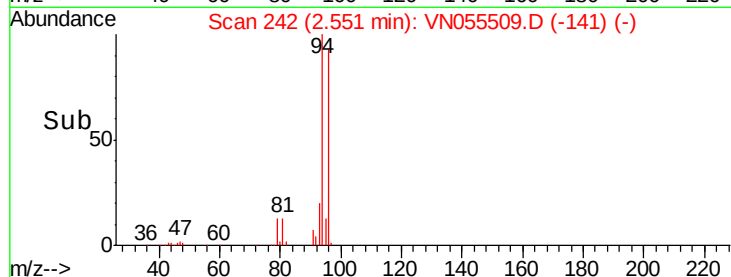
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.159 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.02 min

Lab File: VN055509.D

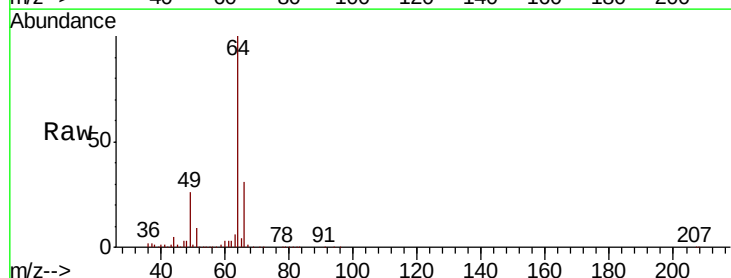
Acq: 9 May 2019 20:14

Tgt Ion: 64 Resp: 329405

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN055509.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN055509.D (-190) (-)

2.70

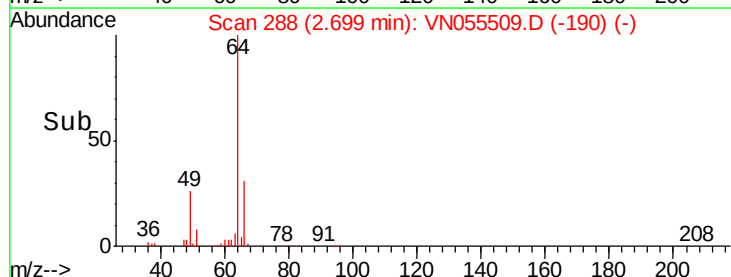
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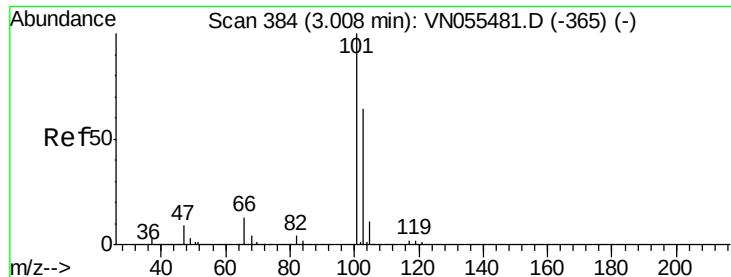
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50000

0

Time-->



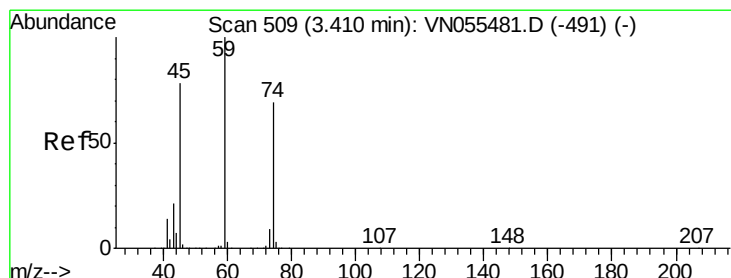
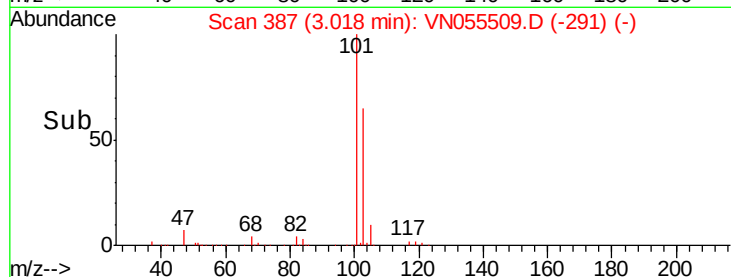
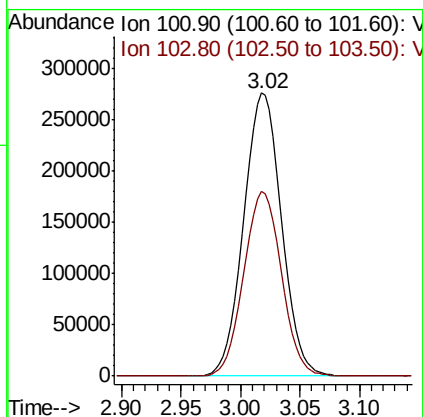
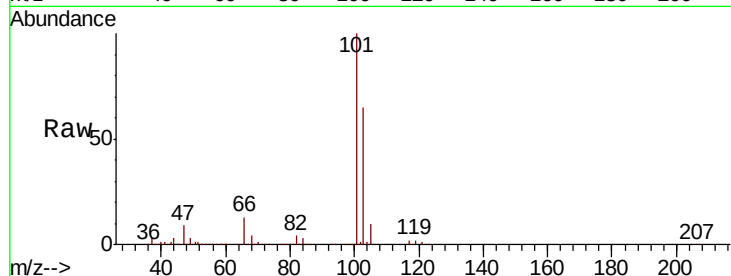


#7

Trichlorofluoromethane
 Concen: 47.276 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
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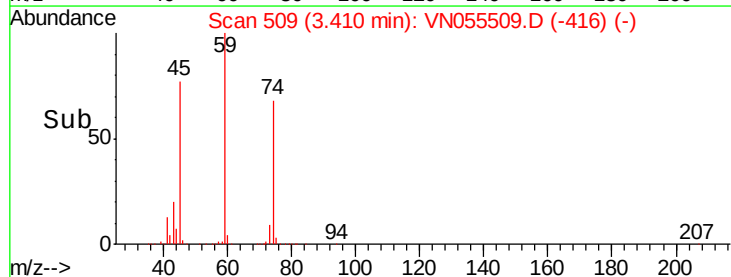
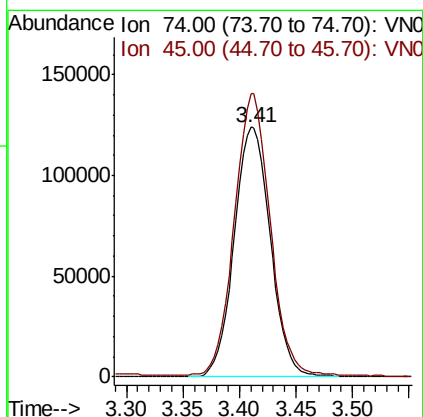
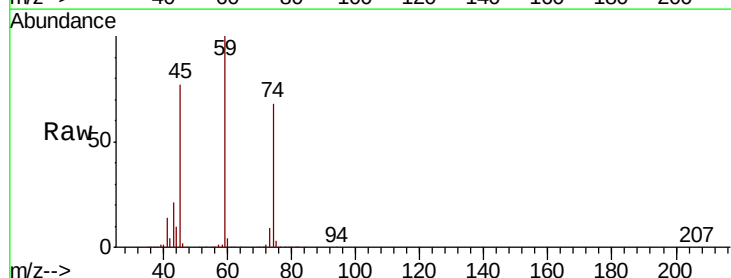
Tot Ion:101 Resp: 609030
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8

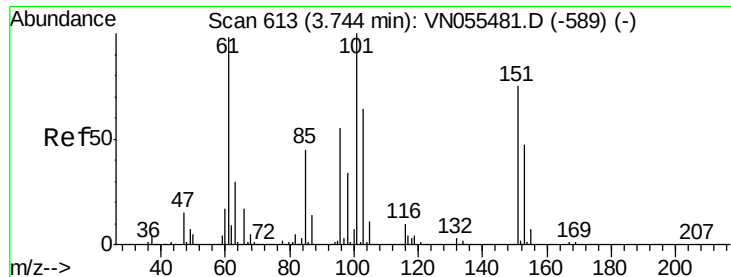


#8

Diethyl Ether
 Concen: 47.784 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 74 Resp: 276460
 Ion Ratio Lower Upper
 74 100
 45 112.0 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.948 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

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VSTDCCC050EC

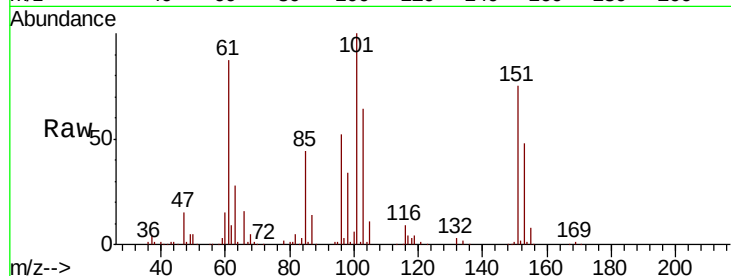
Tot Ion:101 Resp: 384797

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

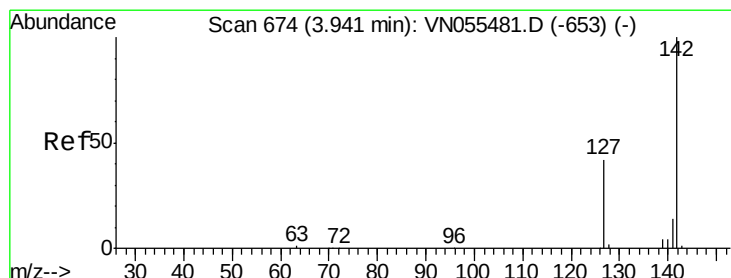
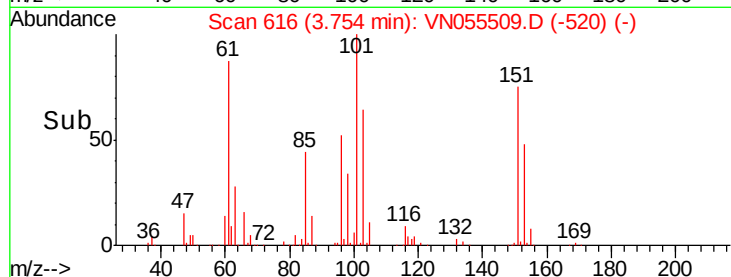
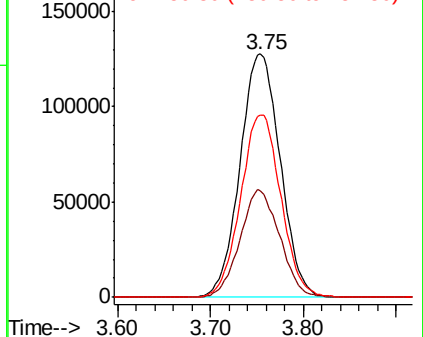
151 75.0 59.2 88.8



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: 39.192 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

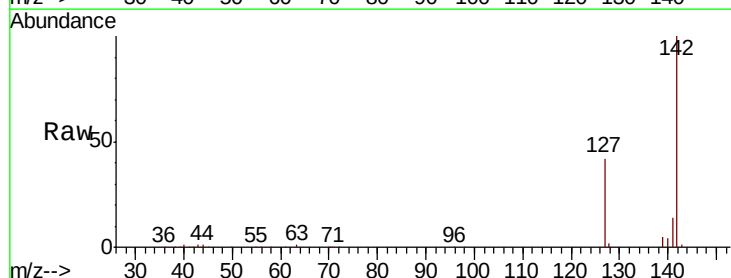
Tgt Ion:142 Resp: 434163

Ion Ratio Lower Upper

142 100

127 41.2 33.0 49.4

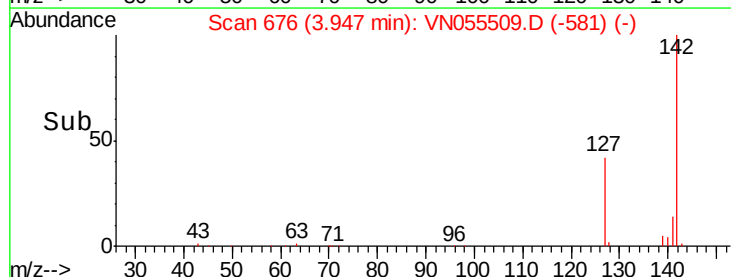
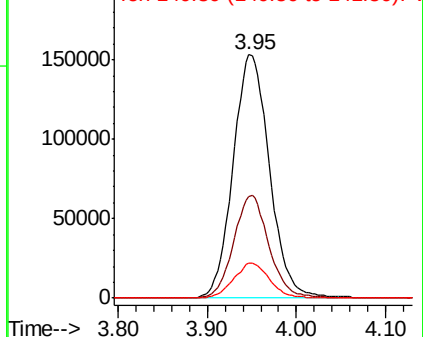
141 14.3 11.4 17.0

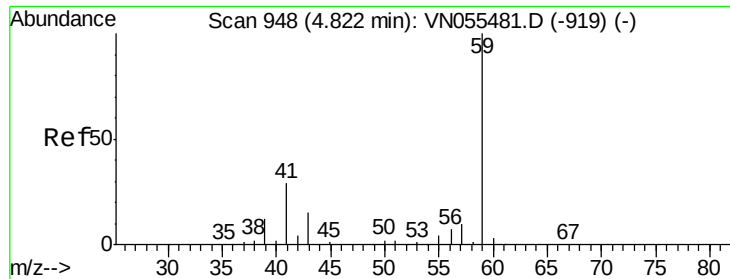


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



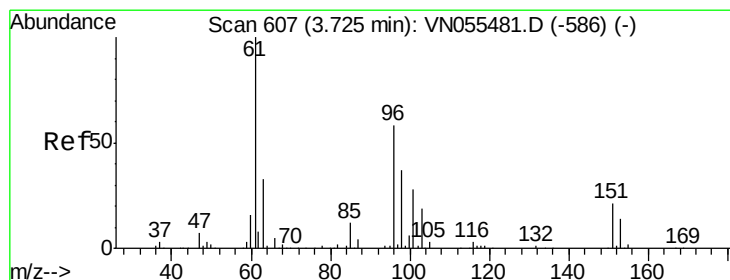
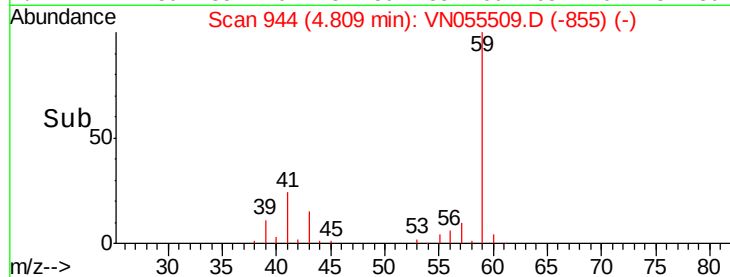
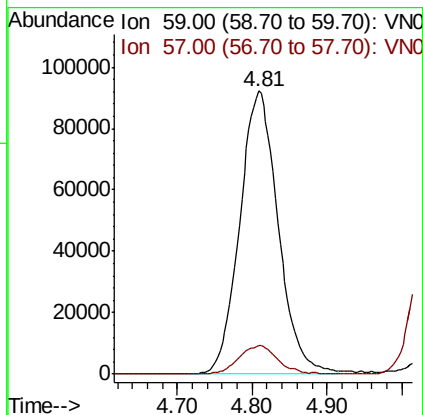
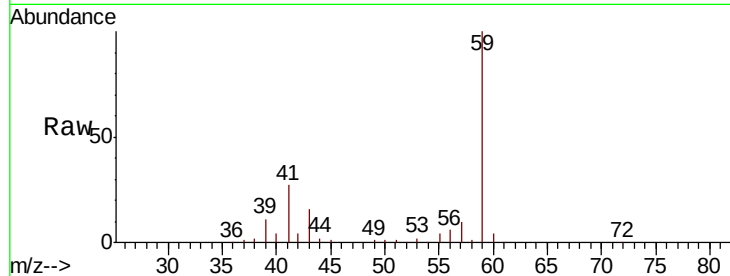


#11

Tert butyl alcohol
 Concen: 196.999 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

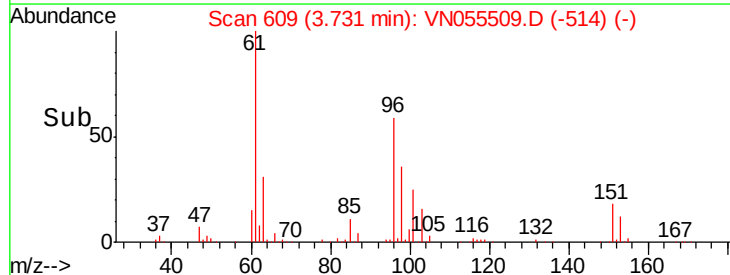
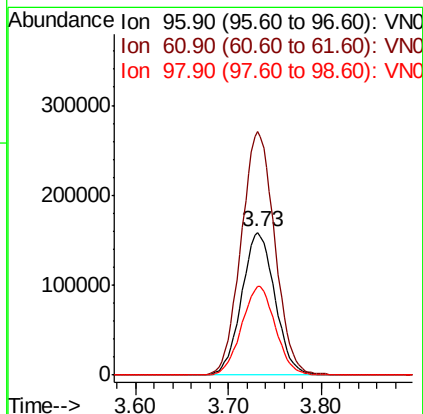
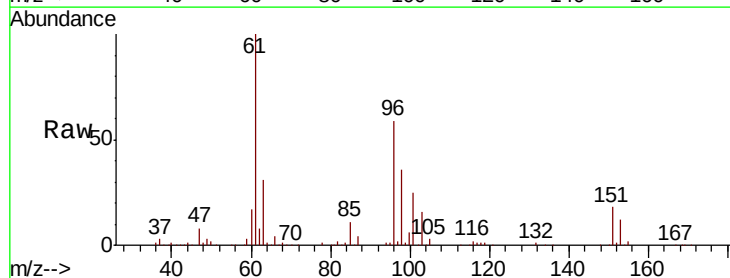
Tot Ion: 59 Resp: 329384
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0

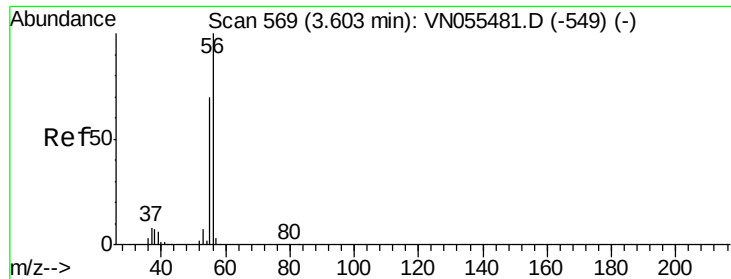


#12

1,1-Dichloroethene
 Concen: 48.114 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 96 Resp: 395496
 Ion Ratio Lower Upper
 96 100
 61 170.6 138.7 208.1
 98 62.1 50.6 76.0





#13

Acrolein

Concen: 217.979 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

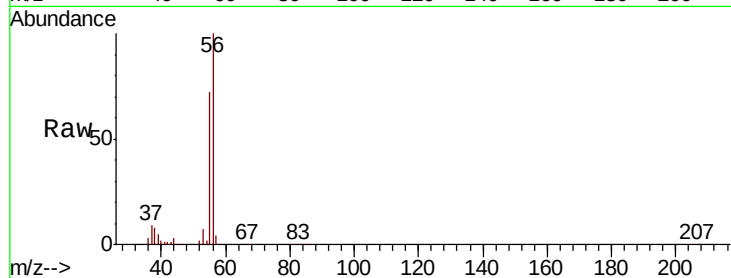
VSTDCCC050EC

Tot Ion: 56 Resp: 242901

Ion Ratio Lower Upper

56 100

55 69.9 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

100000

80000

60000

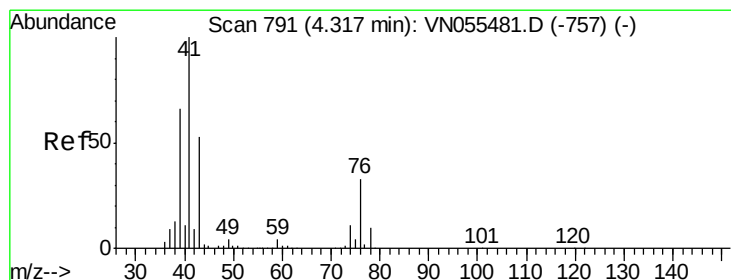
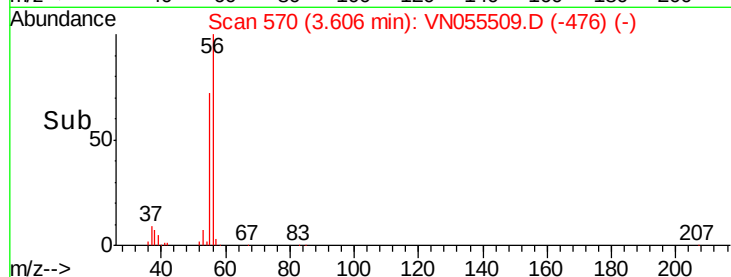
40000

20000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 46.319 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

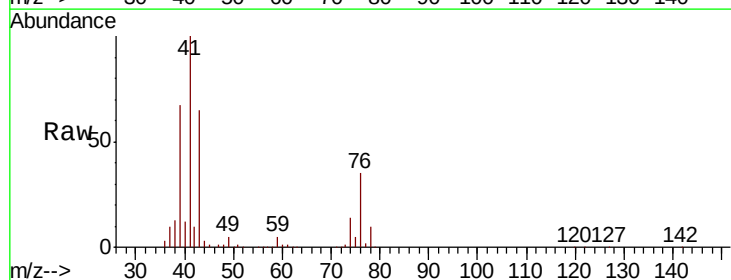
Tgt Ion: 41 Resp: 779934

Ion Ratio Lower Upper

41 100

39 62.2 49.8 74.8

76 30.5 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

300000

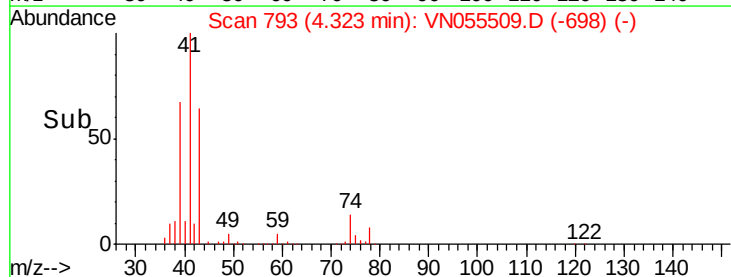
200000

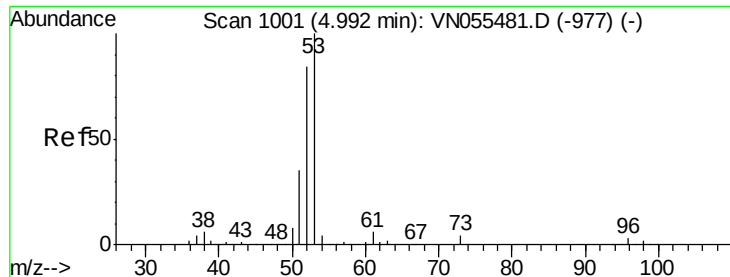
100000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 229.403 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

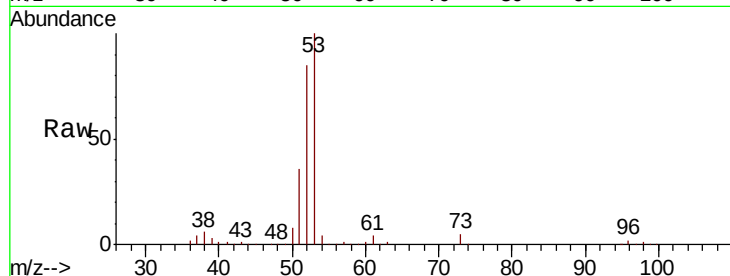
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1187689

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	36.2	28.3	42.5

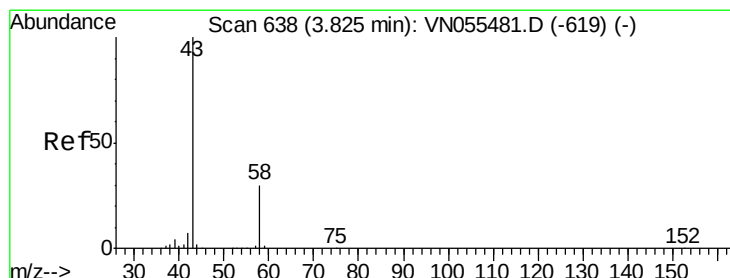
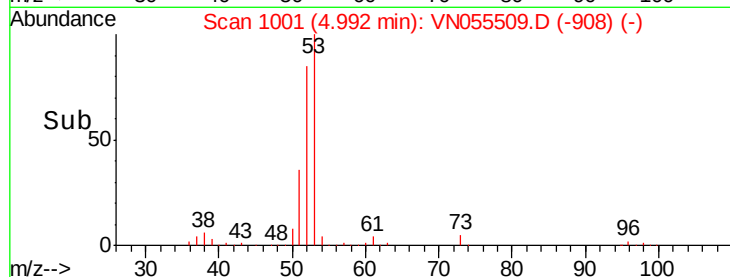
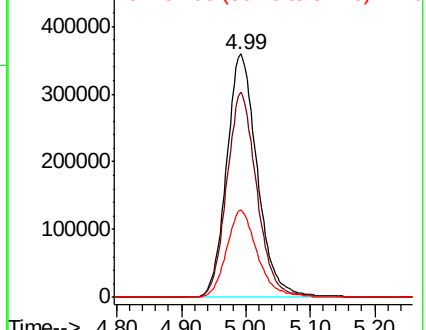


Abundance

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: 187.865 ug/l

RT: 3.82 min Scan# 637

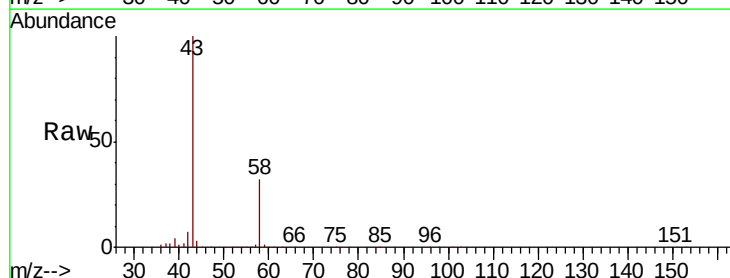
Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Tgt Ion: 43 Resp: 985044

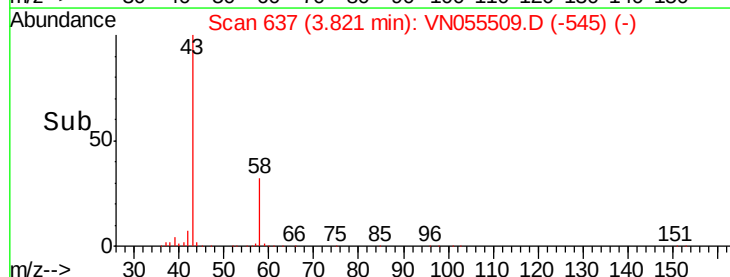
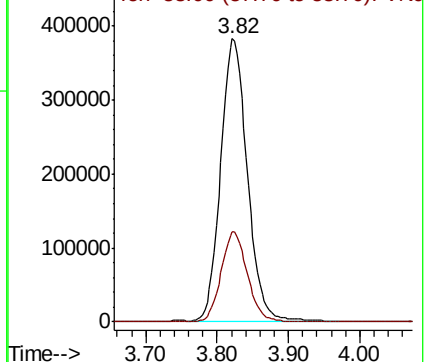
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.2	36.2

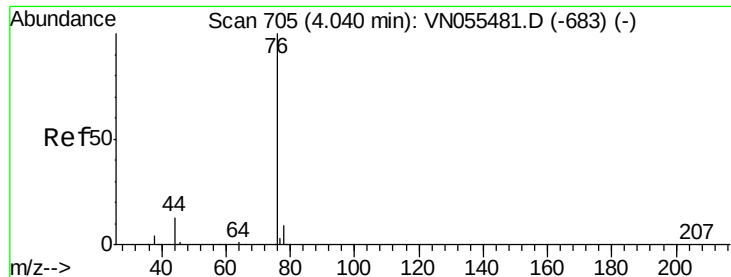


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 48.113 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

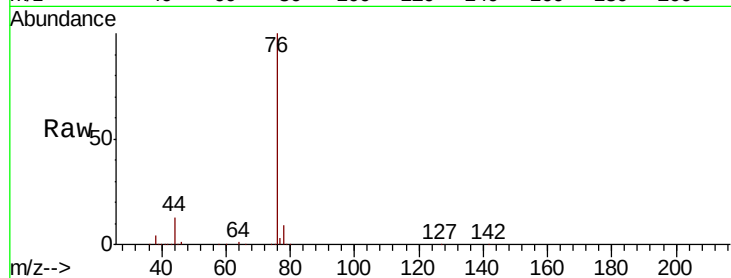
VSTDCCC050EC

Tot Ion: 76 Resp: 1079395

Ion Ratio Lower Upper

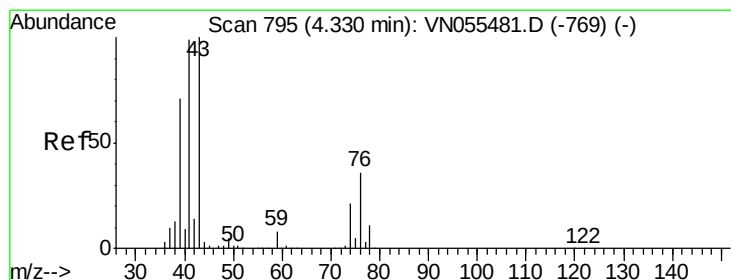
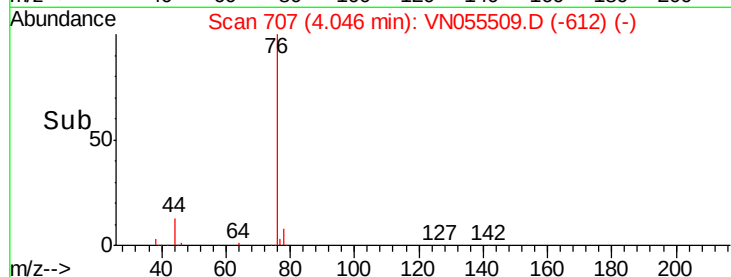
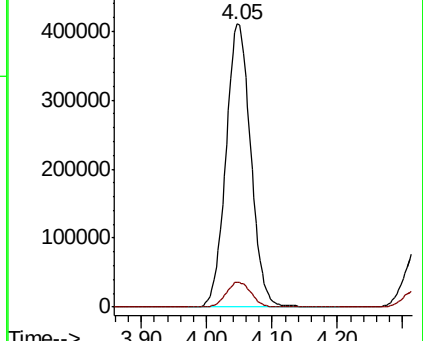
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 44.782 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055509.D

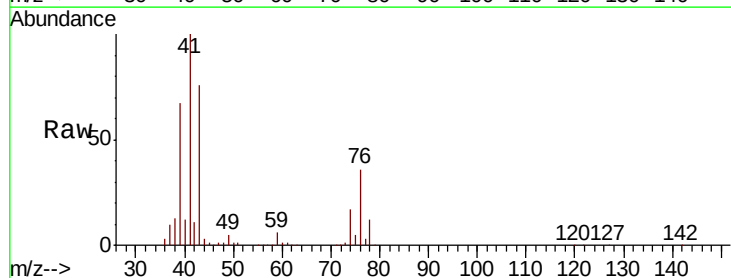
Acq: 9 May 2019 20:14

Tgt Ion: 43 Resp: 494010

Ion Ratio Lower Upper

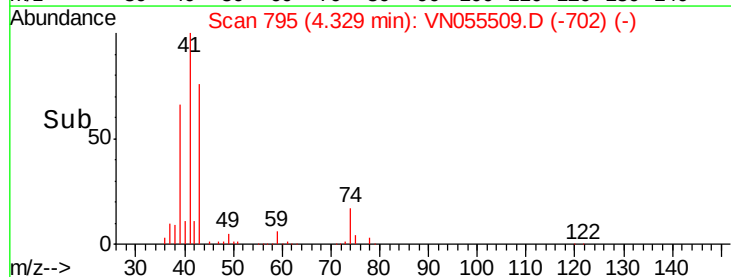
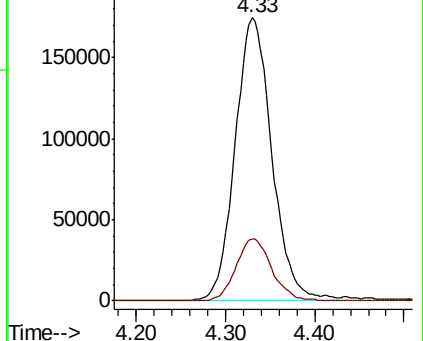
43 100

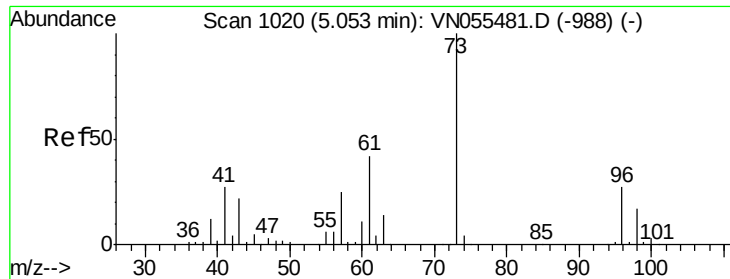
74 21.6 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

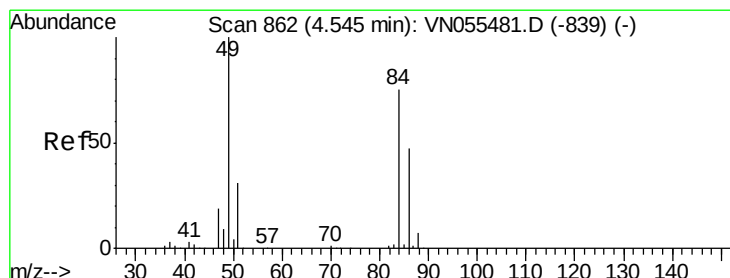
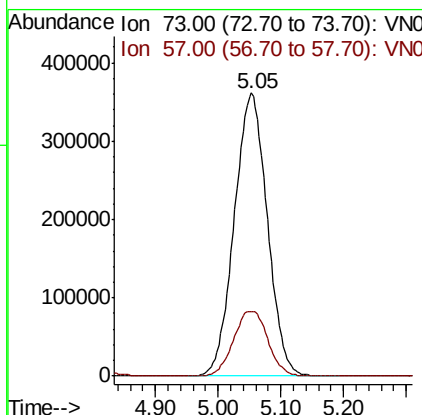
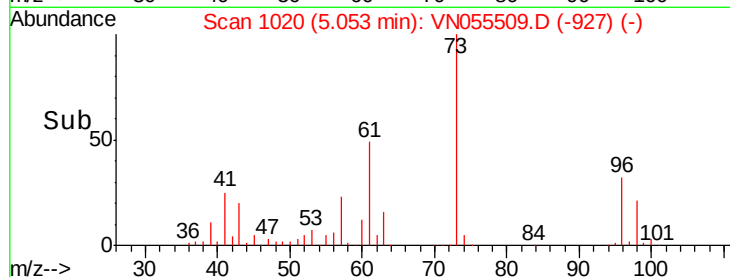
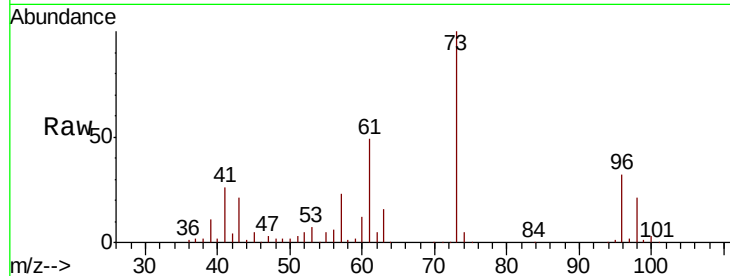




#19
Methvl tert-butvl Ether
Concen: 48.330 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

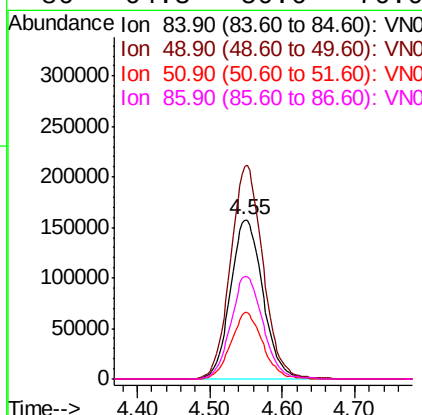
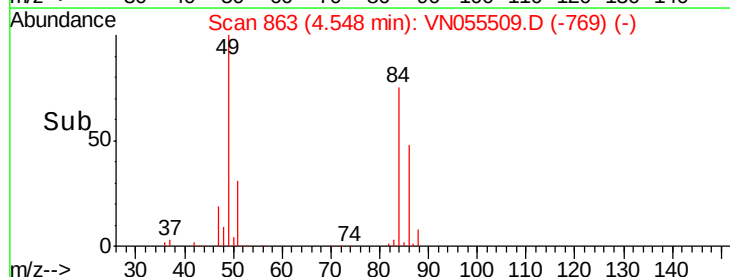
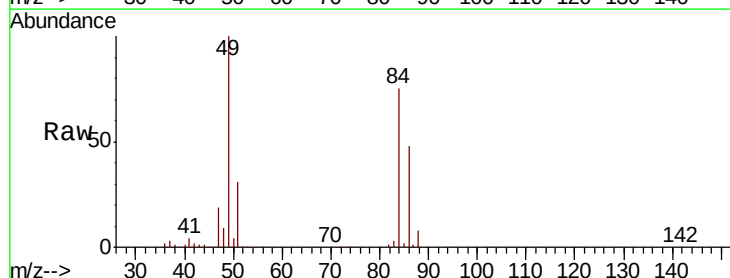
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

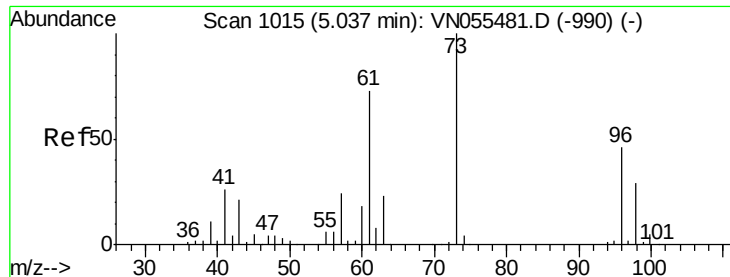
Tot Ion: 73 Resp: 1320052
Ion Ratio Lower Upper
73 100
57 22.9 20.0 30.0



#20
Methylene Chloride
Concen: 45.754 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 84 Resp: 490564
Ion Ratio Lower Upper
84 100
49 133.4 107.0 160.6
51 41.6 33.0 49.4
86 64.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.186 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

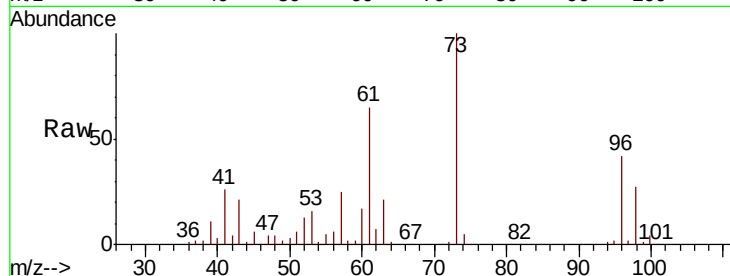
Tot Ion: 96 Resp: 429439

Ion Ratio Lower Upper

96 100

61 154.6 127.4 191.0

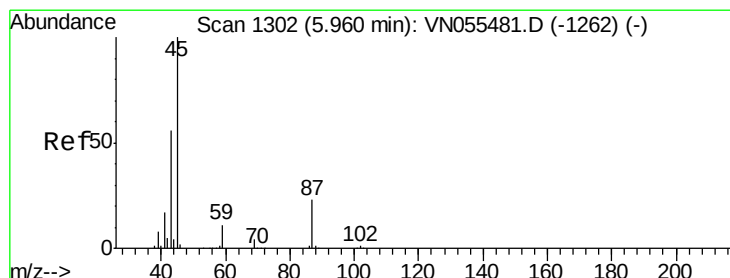
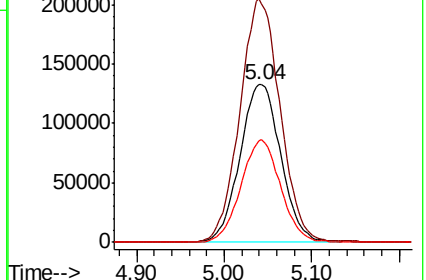
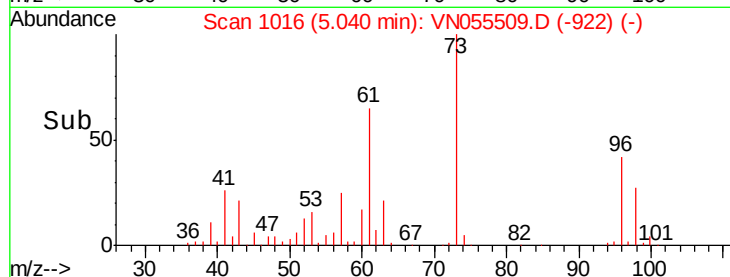
98 64.5 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN055509.D (-1209) (-)

Ion 60.90 (60.60 to 61.60): VN055509.D (-1209) (-)

Ion 97.90 (97.60 to 98.60): VN055509.D (-1209) (-)



#22

Diisopropyl ether

Concen: 48.766 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Tgt Ion: 45 Resp: 1668640

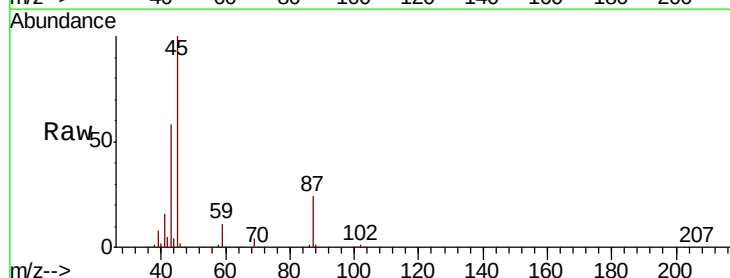
Ion Ratio Lower Upper

45 100

43 56.9 44.6 66.8

87 23.6 18.6 28.0

59 10.4 8.6 12.8

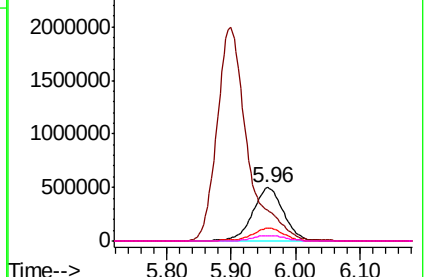
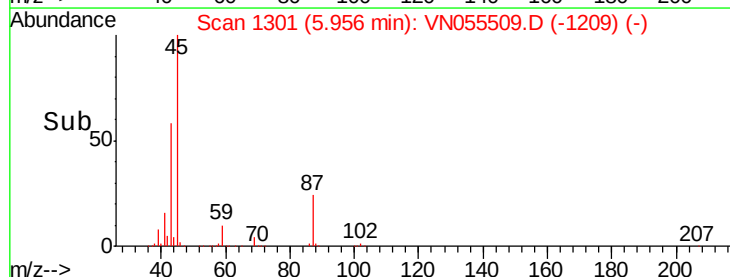


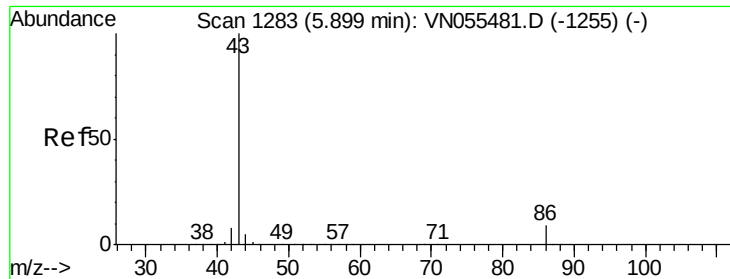
Abundance Ion 45.00 (44.70 to 45.70): VN055509.D (-1209) (-)

Ion 43.00 (42.70 to 43.70): VN055509.D (-1209) (-)

Ion 87.00 (86.70 to 87.70): VN055509.D (-1209) (-)

Ion 59.00 (58.70 to 59.70): VN055509.D (-1209) (-)





#23

Vinyl Acetate

Concen: 248.476 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

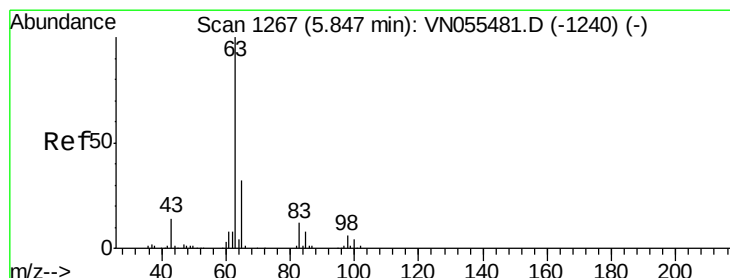
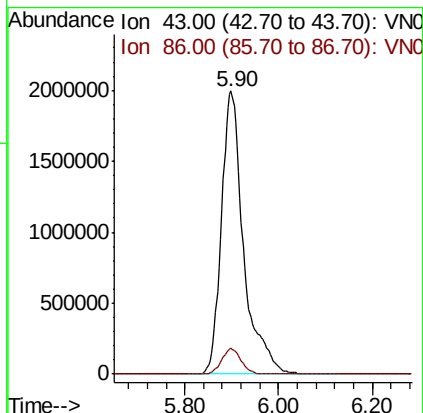
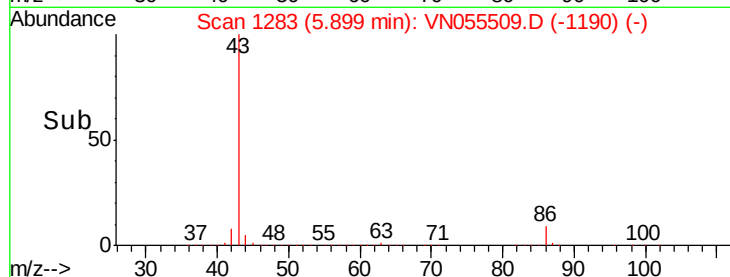
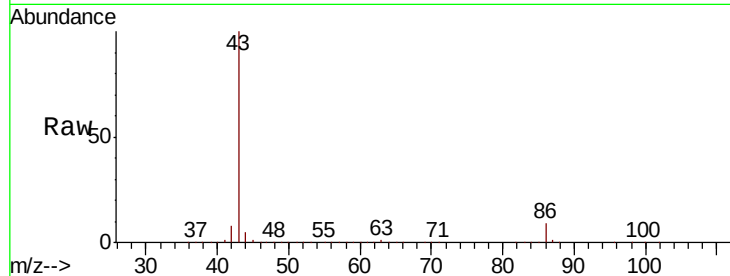
VSTDCCC050EC

Tot Ion: 43 Resp: 6575219

Ion Ratio Lower Upper

43 100

86 9.0 7.1 10.7



#24

1,1-Dichloroethane

Concen: 47.437 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

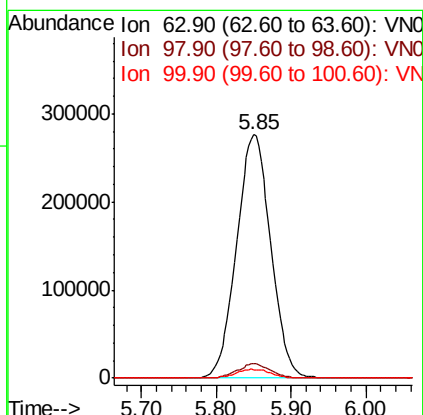
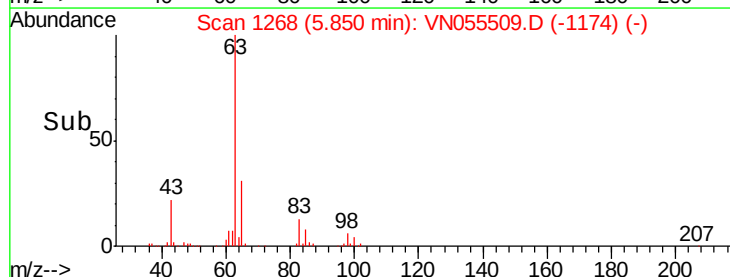
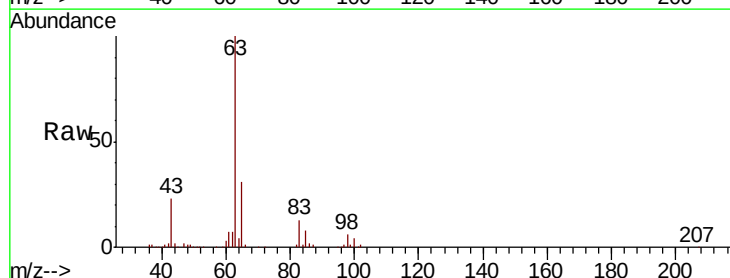
Tgt Ion: 63 Resp: 876220

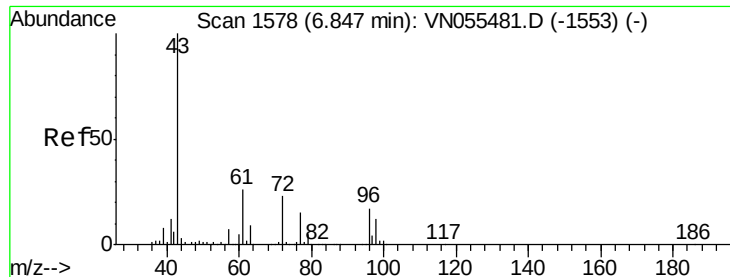
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

100 3.6 1.9 5.7

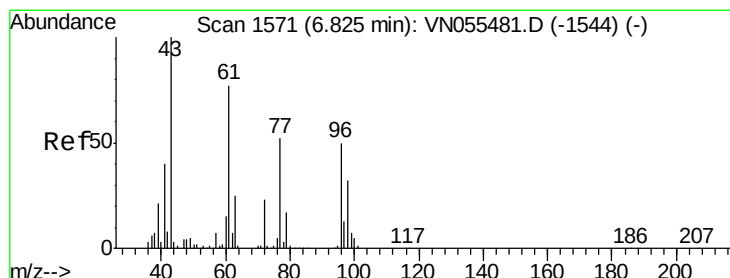
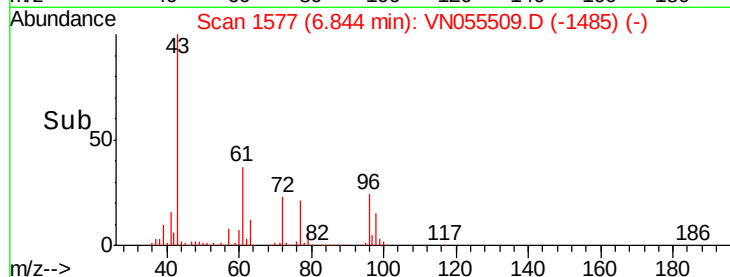
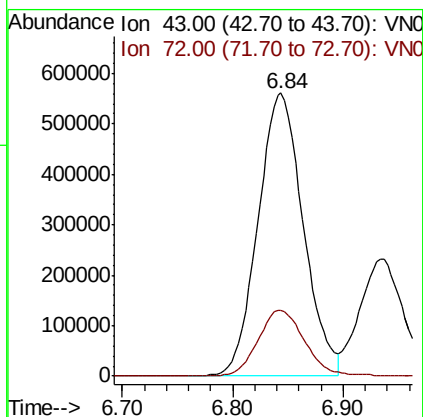
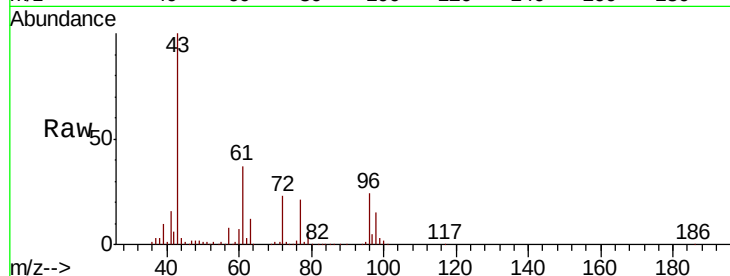




#25
2-Butanone
Concen: 219.495 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

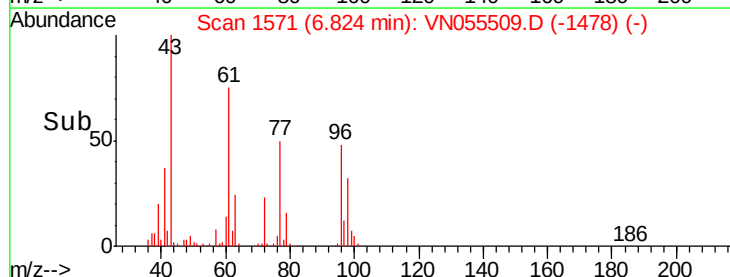
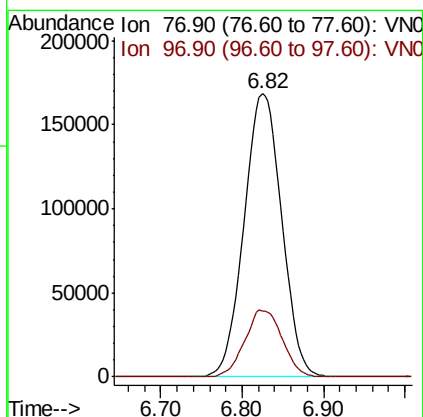
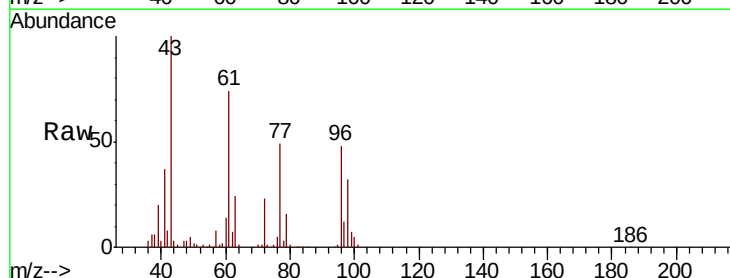
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

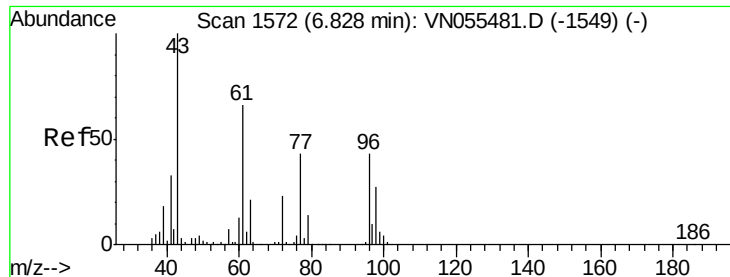
Tot Ion: 43 Resp: 1589816
Ion Ratio Lower Upper
43 100
72 23.4 18.6 27.8



#26
2,2-Dichloropropane
Concen: 46.623 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 77 Resp: 536840
Ion Ratio Lower Upper
77 100
97 23.4 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 48.672 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

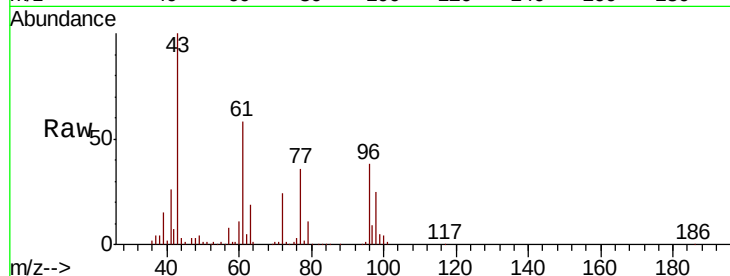
Tot Ion: 96 Resp: 501310

Ion Ratio Lower Upper

96 100

61 154.9 0.0 310.8

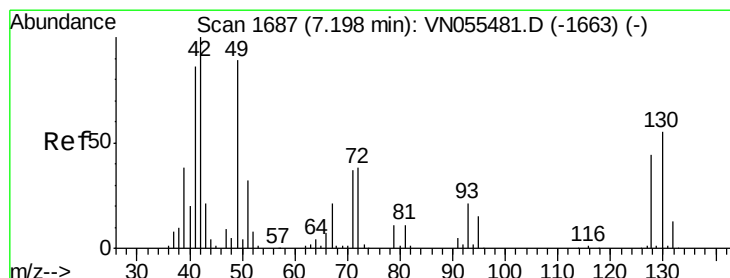
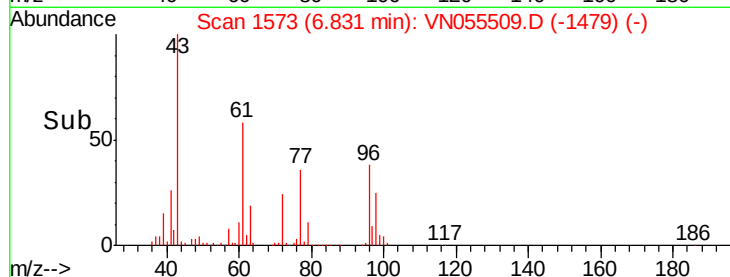
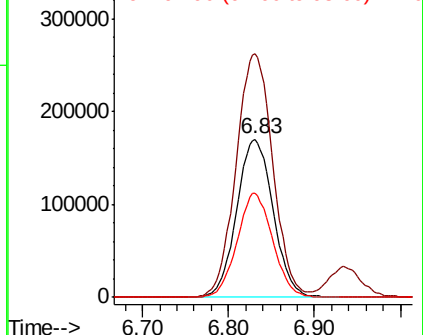
98 64.2 0.0 129.4



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: 49.192 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

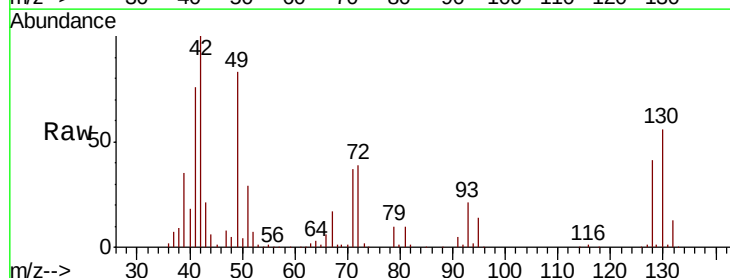
Tgt Ion: 49 Resp: 471867

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

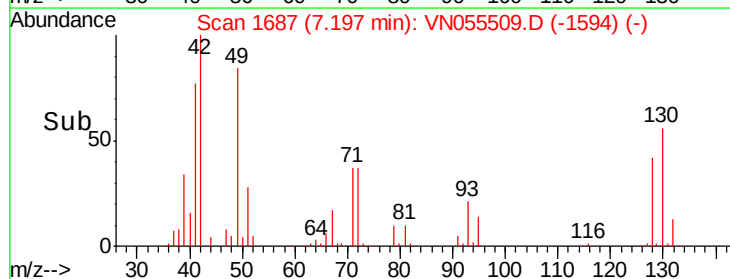
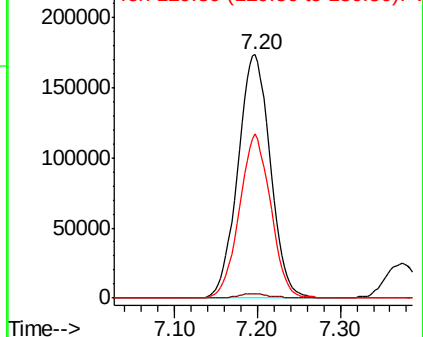
130 64.8 49.5 74.3

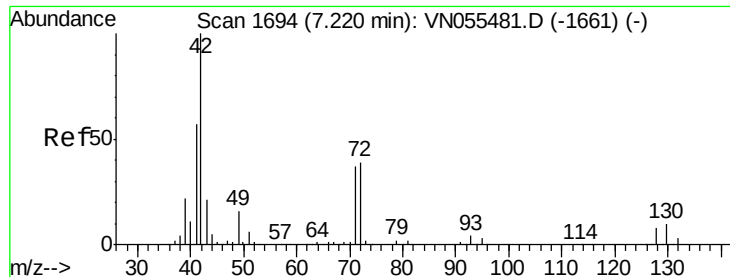


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 223.409 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

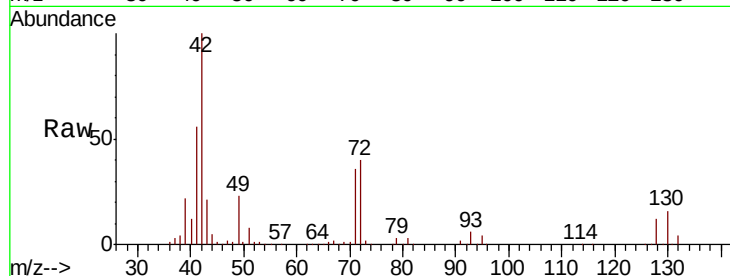
Tot Ion: 42 Resp: 1069742

Ion Ratio Lower Upper

42 100

72 39.3 31.0 46.6

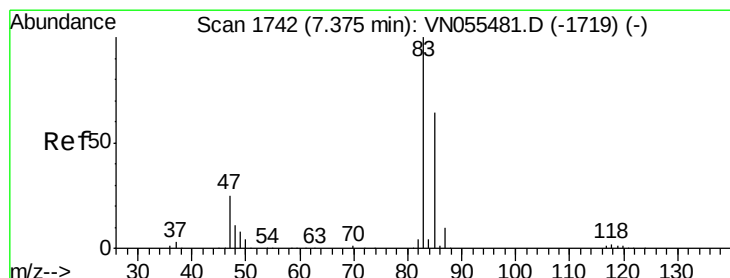
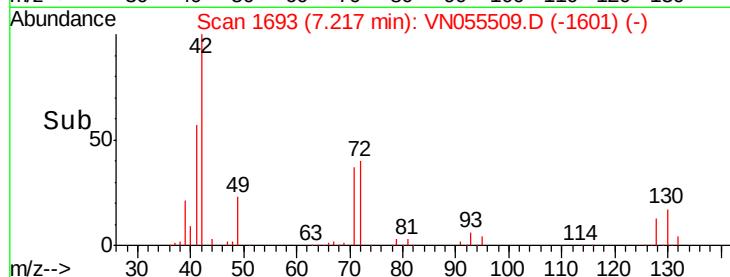
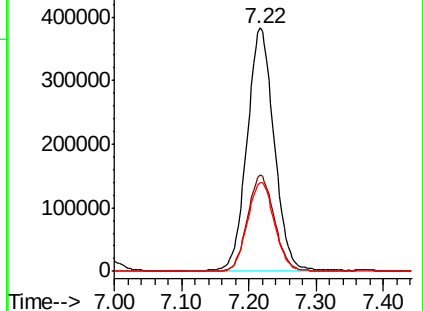
71 36.7 29.4 44.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 47.921 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN055509.D

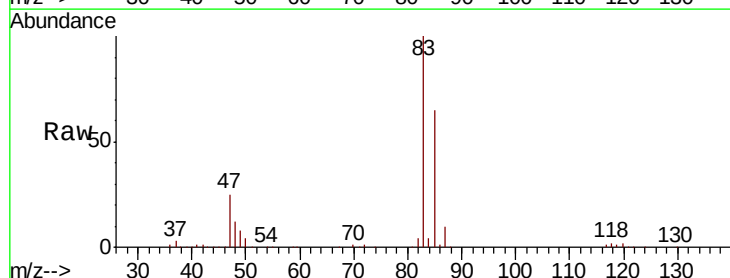
Acq: 9 May 2019 20:14

Tgt Ion: 83 Resp: 818286

Ion Ratio Lower Upper

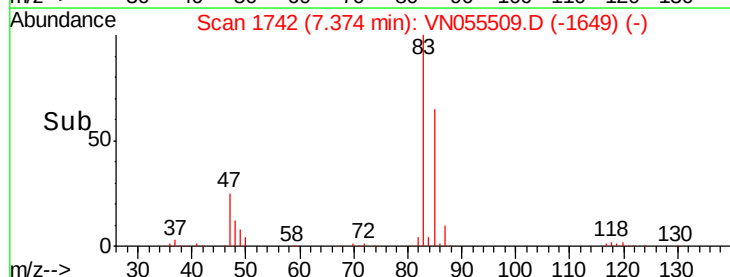
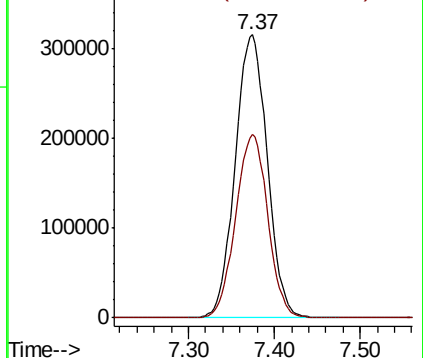
83 100

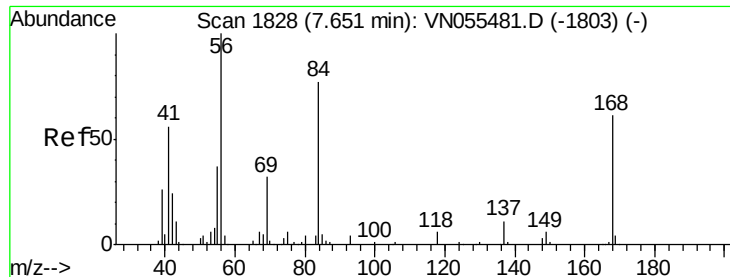
85 64.8 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 45.290 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

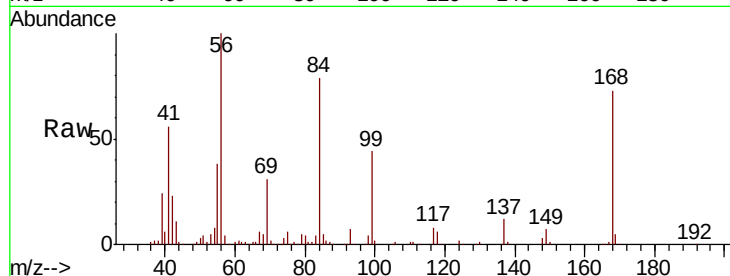
Tot Ion: 56 Resp: 827696

Ion Ratio Lower Upper

56 100

69 30.9 26.0 39.0

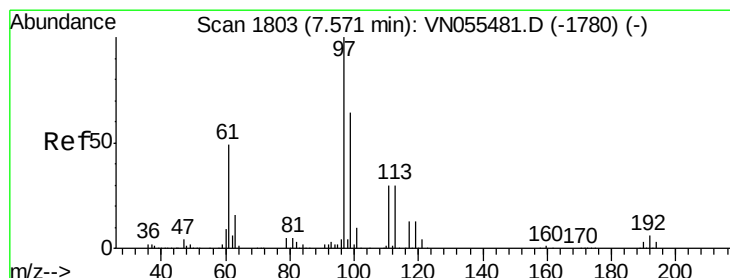
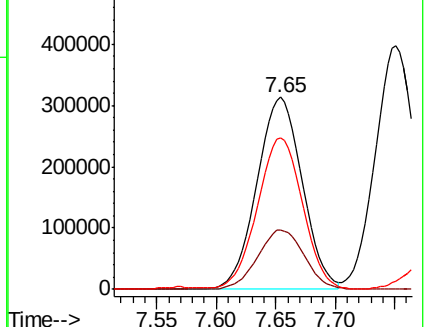
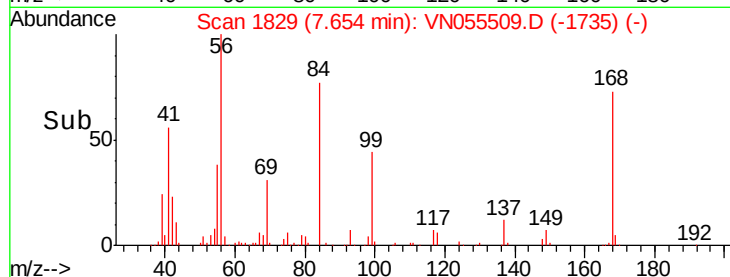
84 78.2 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VN055509.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN055509.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN055509.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 49.082 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

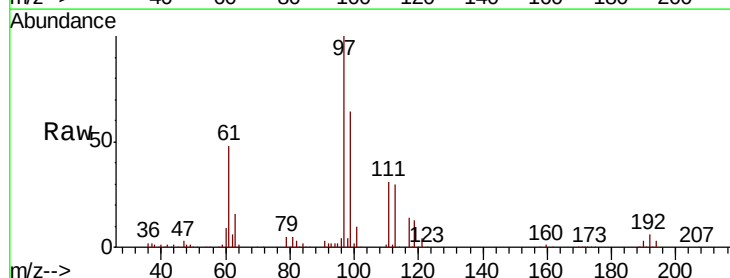
Tgt Ion: 97 Resp: 638236

Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

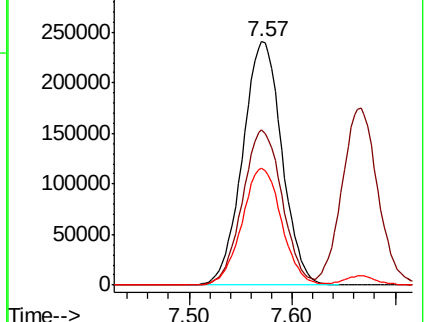
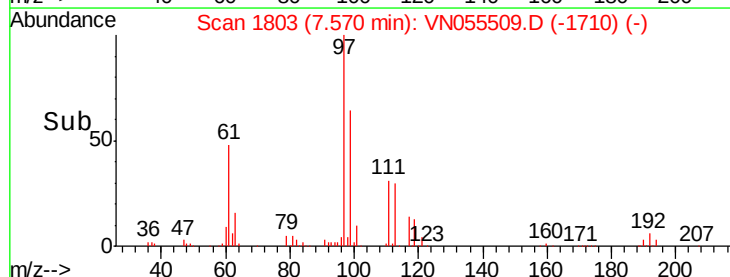
61 48.3 39.2 58.8

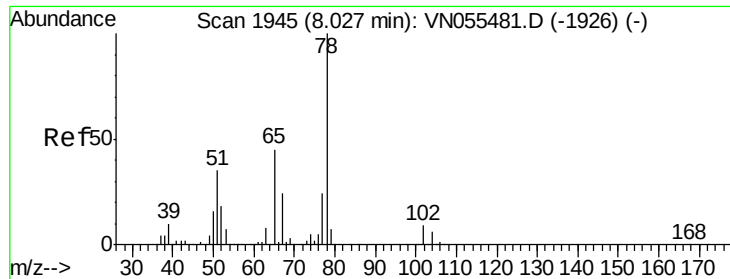


Abundance Ion 96.90 (96.60 to 97.60): VN055509.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055509.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055509.D (-1710) (-)

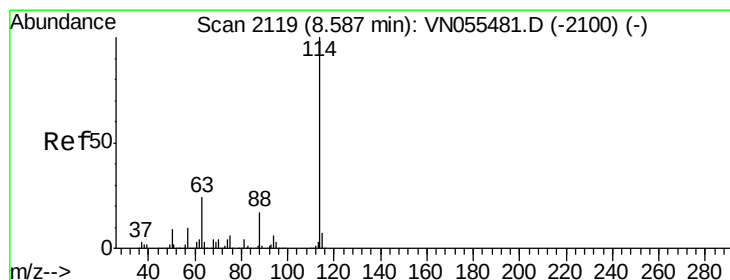
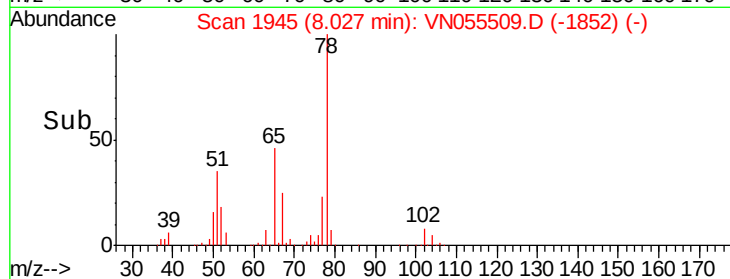
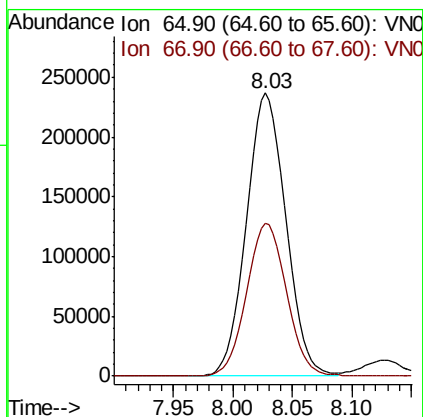
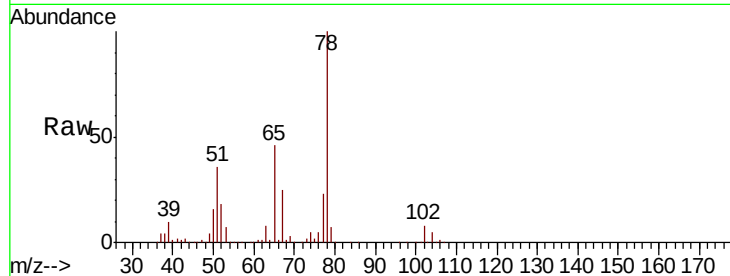




#33
 1,2-Dichloroethane-d4
 Concen: 48.034 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

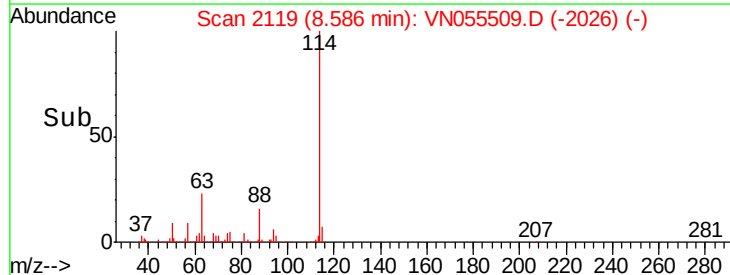
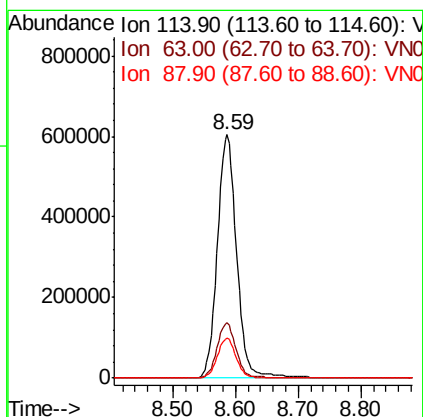
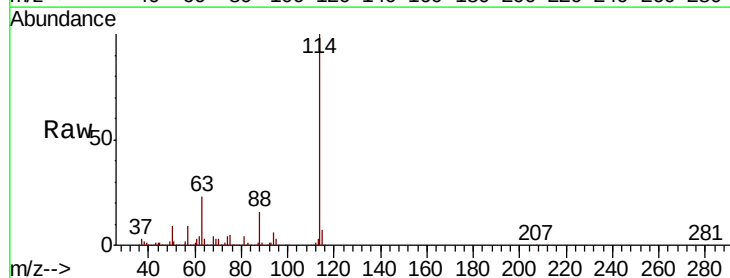
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

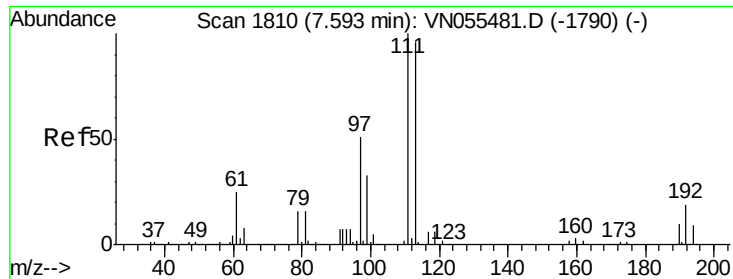
Tot Ion: 65 Resp: 543941
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 114 Resp: 1295407
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.4
 88 16.4 0.0 34.0

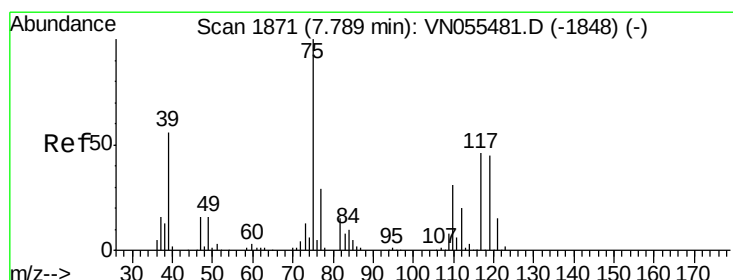
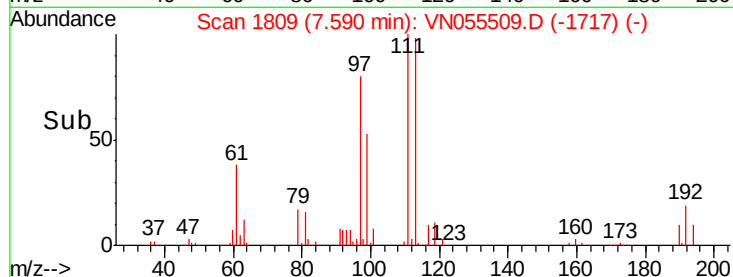
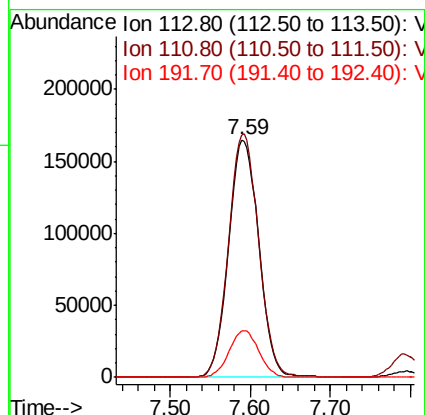
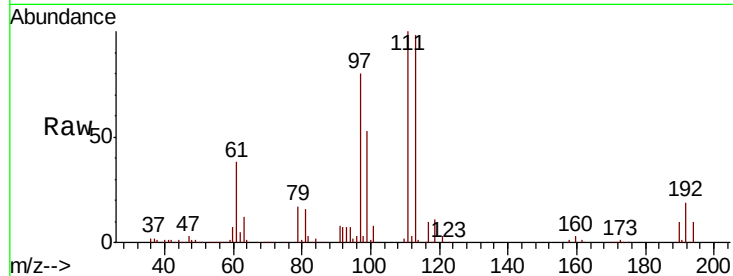




#35
 Dibromofluoromethane
 Concen: 50.638 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

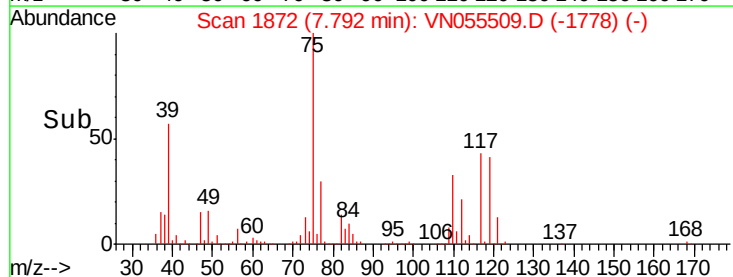
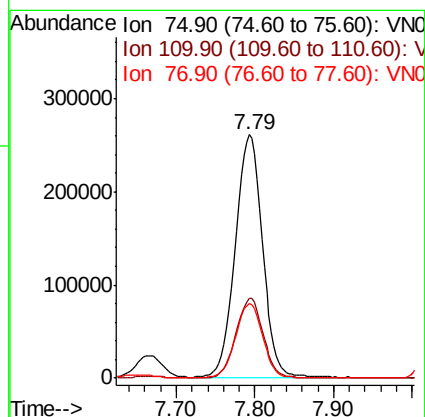
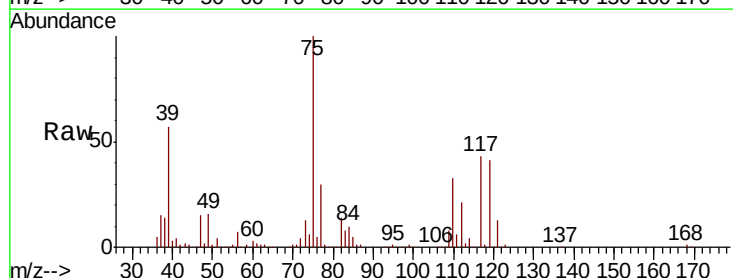
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

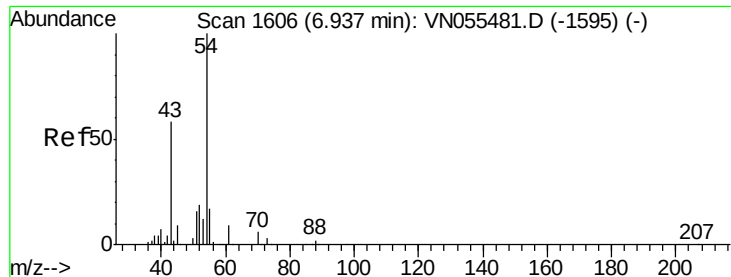
Tot Ion:113 Resp: 423152
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 19.3 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 49.345 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 75 Resp: 629745
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.1 48.3
 77 30.9 24.6 37.0

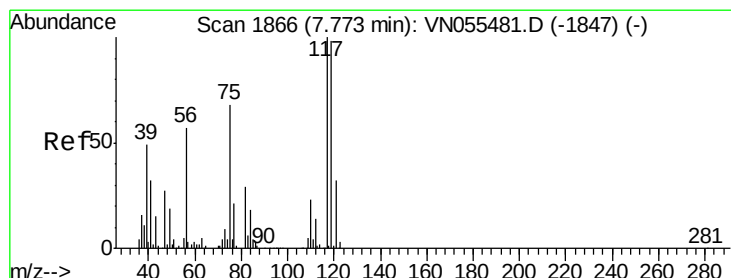
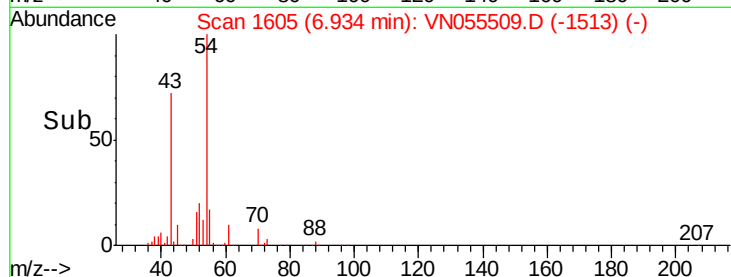
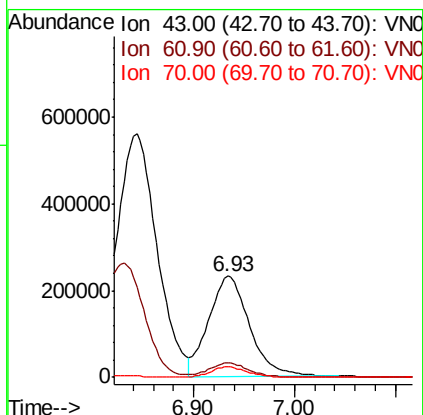
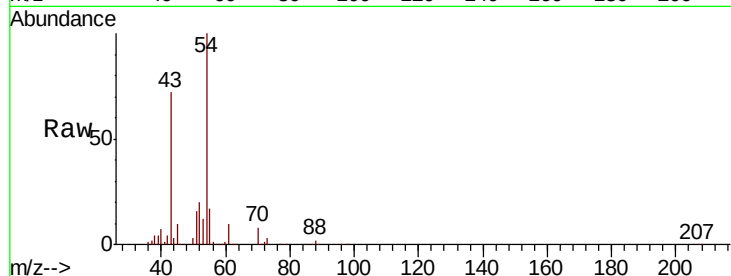




#37
Ethyl Acetate
Concen: 46.766 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

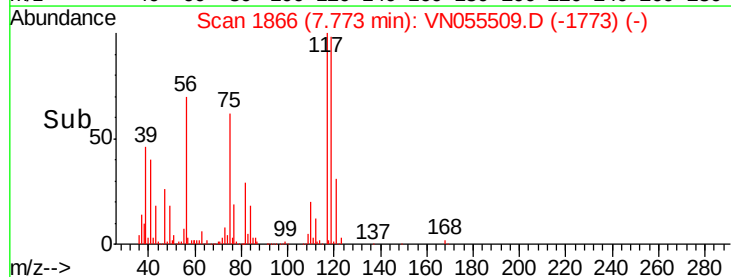
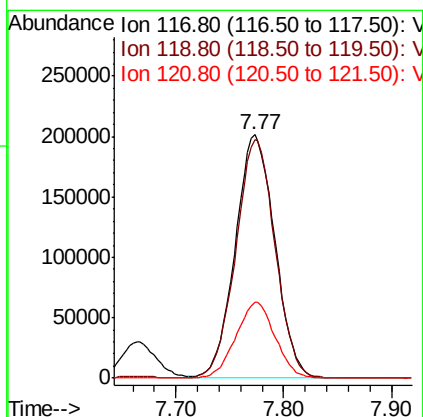
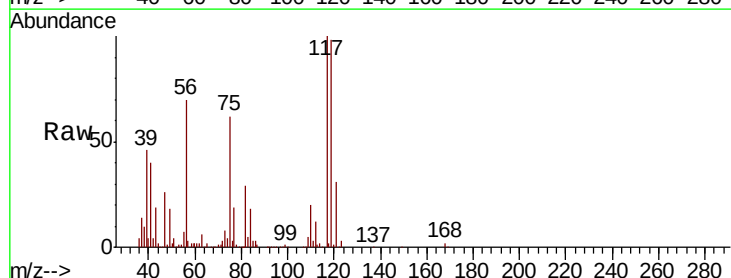
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

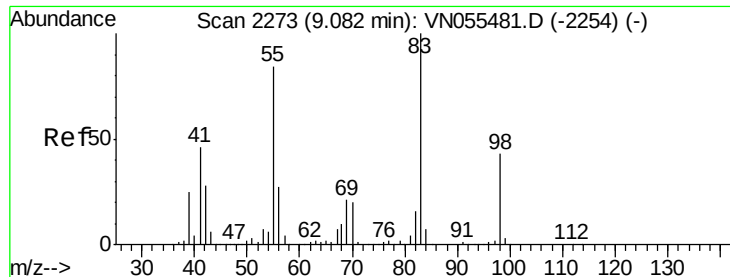
Tot Ion: 43 Resp: 651038
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 9.3 7.0 10.6



#38
Carbon Tetrachloride
Concen: 47.678 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 117 Resp: 512359
Ion Ratio Lower Upper
117 100
119 97.9 77.8 116.6
121 31.5 25.2 37.8

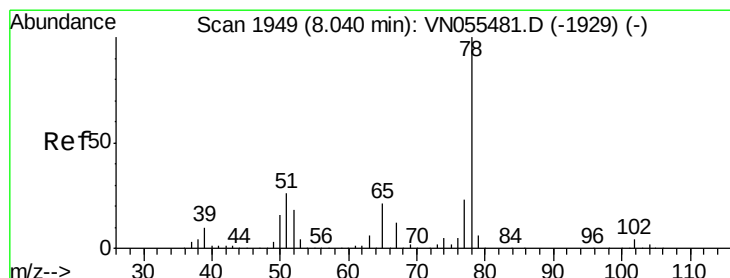
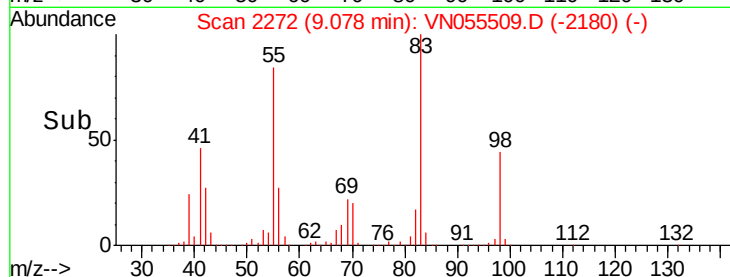
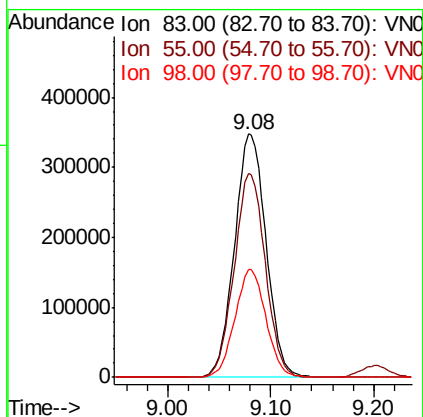
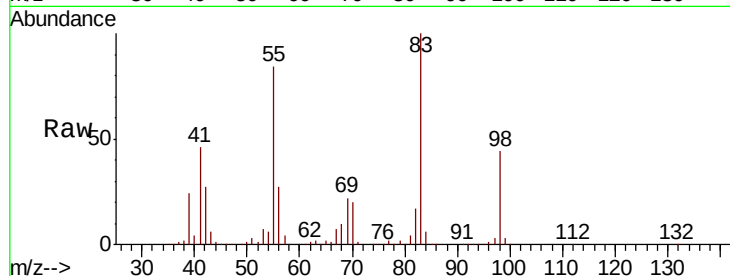




#39
Methylvlcyclohexane
Concen: 47.622 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

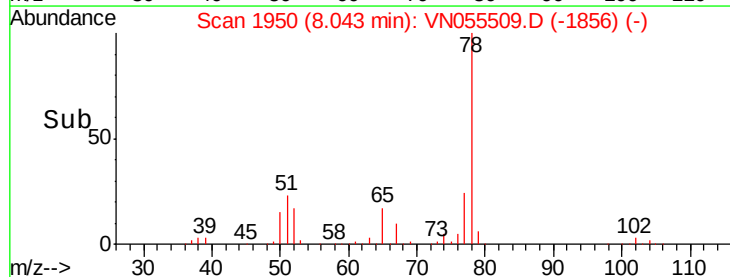
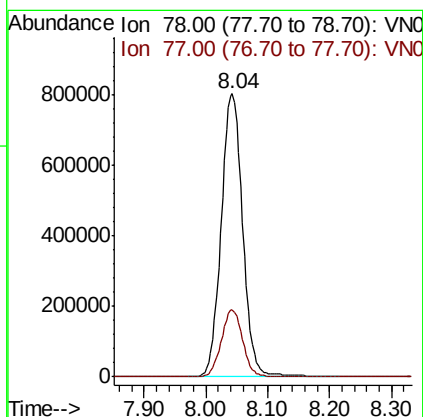
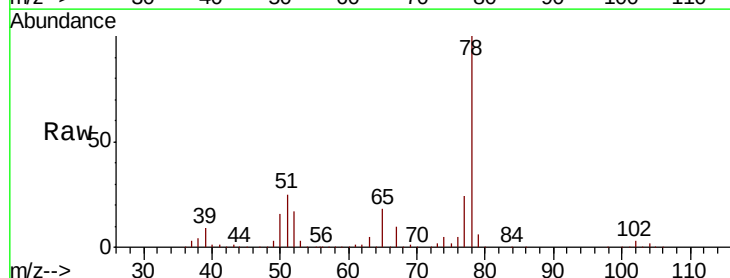
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

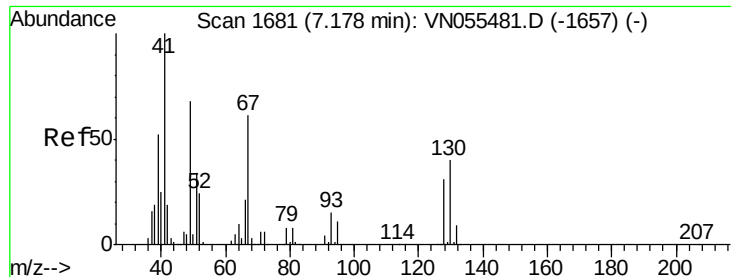
Tot Ion: 83 Resp: 741006
Ion Ratio Lower Upper
83 100
55 83.8 67.0 100.4
98 44.3 34.2 51.4



#40
Benzene
Concen: 48.976 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 78 Resp: 1939848
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8

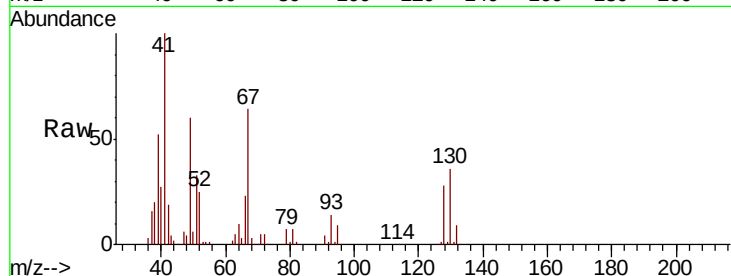




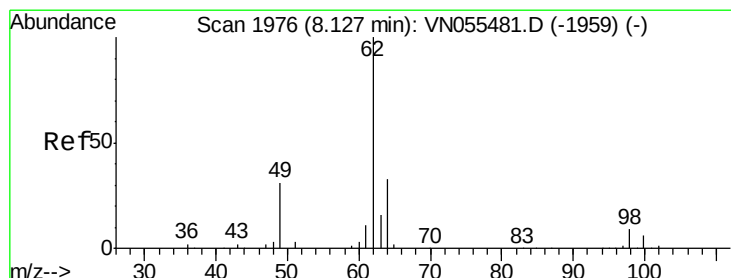
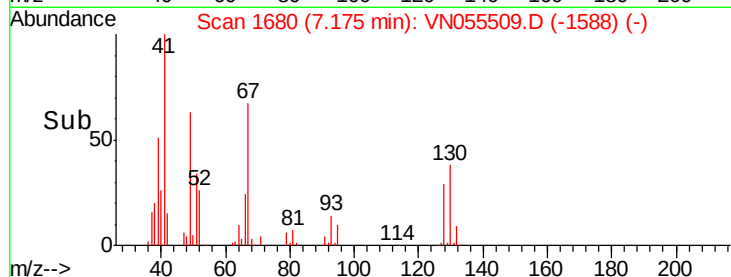
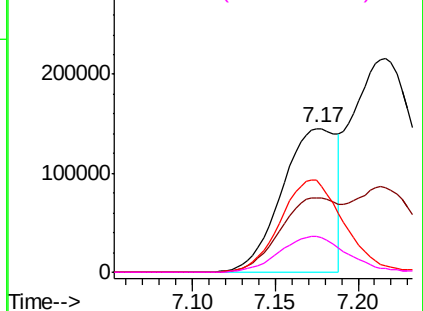
#41
Methacrylonitrile
Concen: 51.594 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	333368
Ion	Ratio	Lower	Upper
41	100		
39	56.5	44.7	67.1
67	75.7	61.4	92.0
52	30.2	25.0	37.4

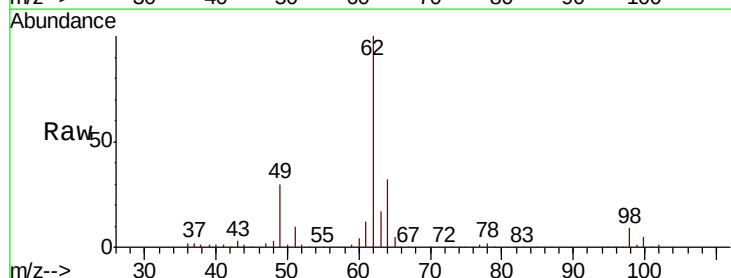


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

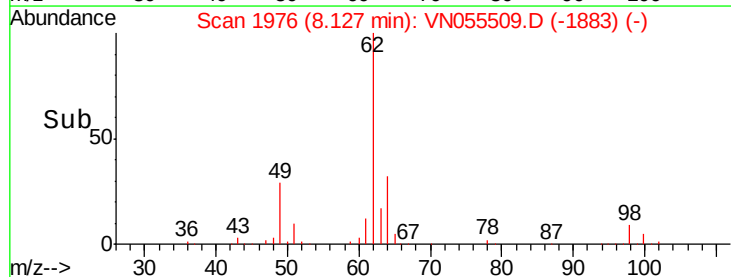
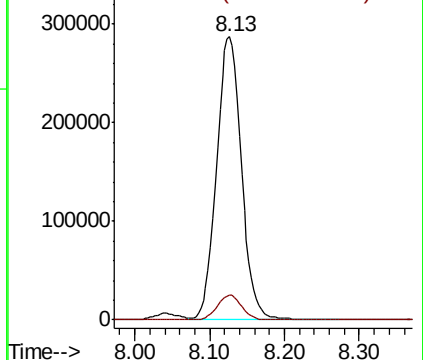


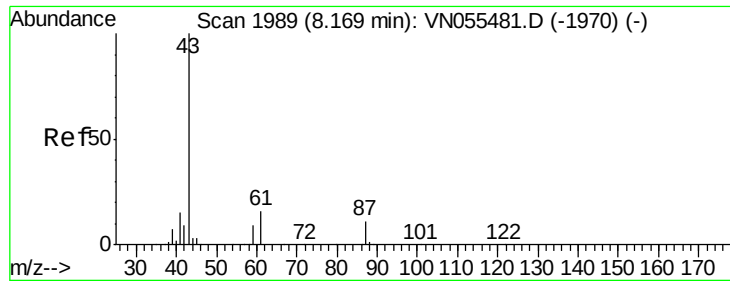
#42
1,2-Dichloroethane
Concen: 47.502 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion:	62	Resp:	661011
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.809 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

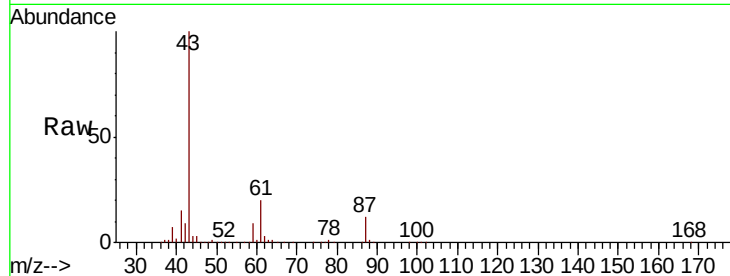
Tot Ion: 43 Resp: 1032303

Ion Ratio Lower Upper

43 100

61 19.7 15.1 22.7

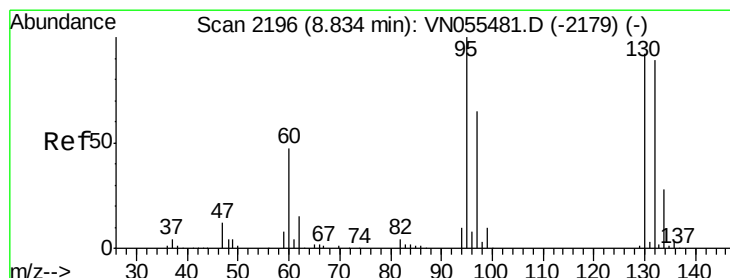
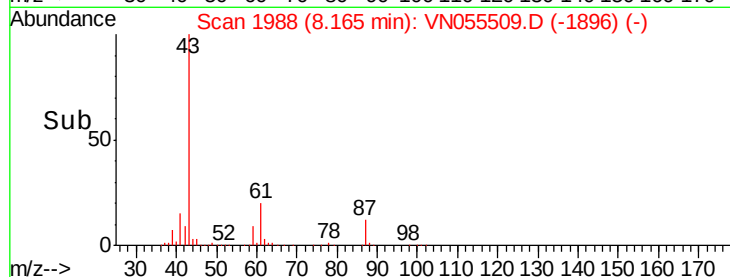
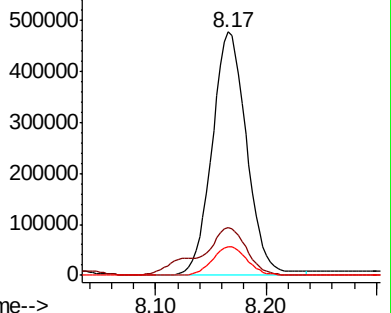
87 11.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055481.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055481.D (-1970) (-)



#44

Trichloroethene

Concen: 48.879 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055509.D

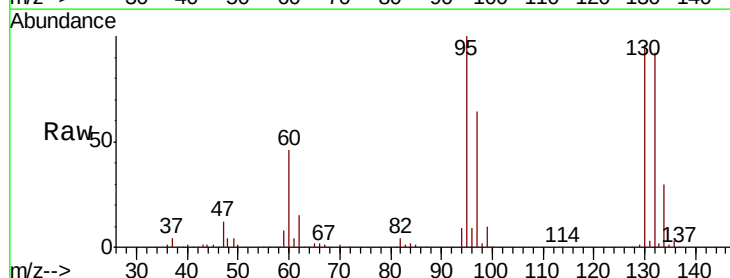
Acq: 9 May 2019 20:14

Tgt Ion:130 Resp: 460650

Ion Ratio Lower Upper

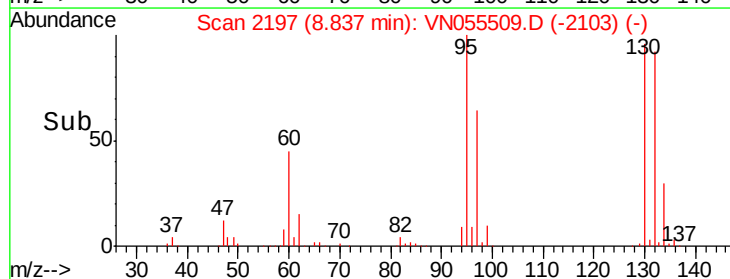
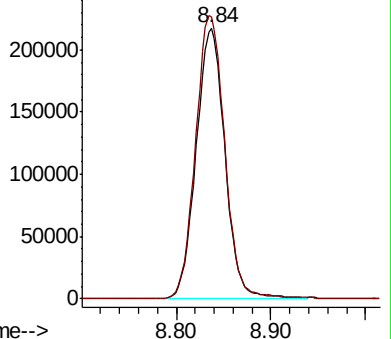
130 100

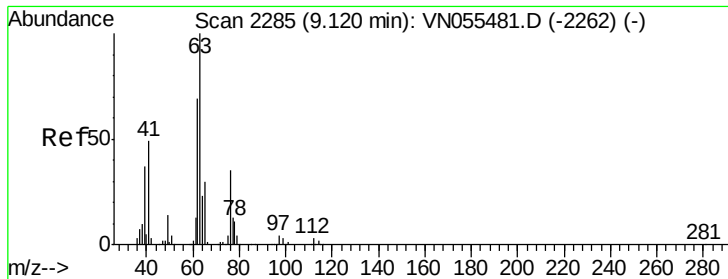
95 104.0 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055481.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055481.D (-2179) (-)

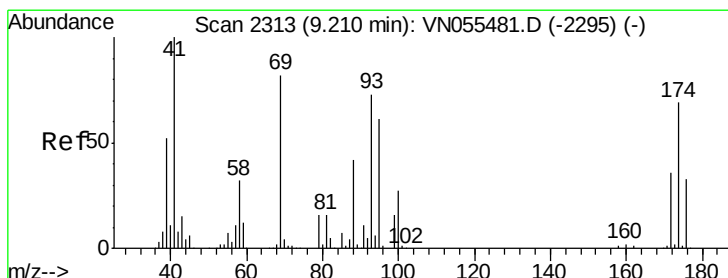
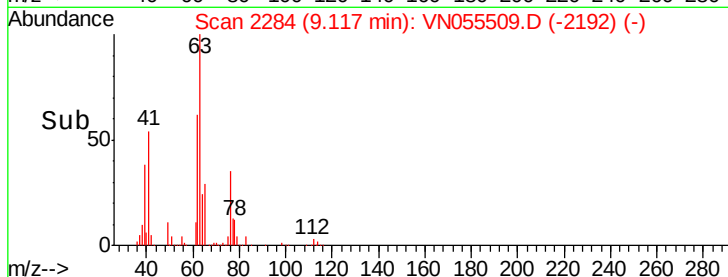
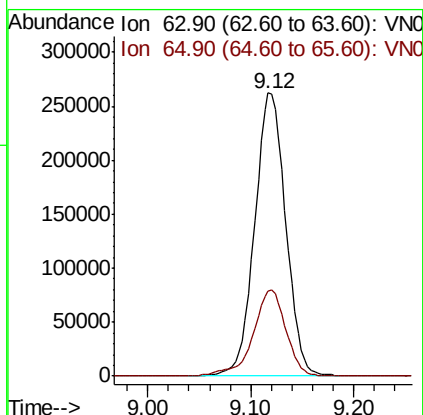
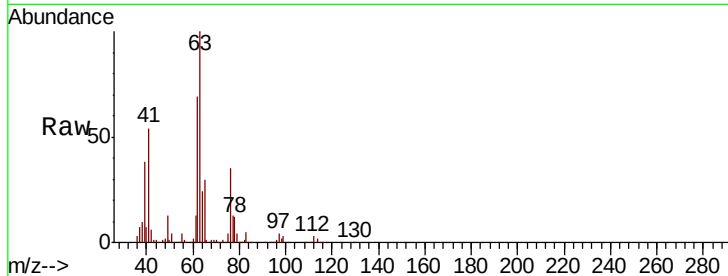




#45
 1,2-Dichloropropane
 Concen: 48.234 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

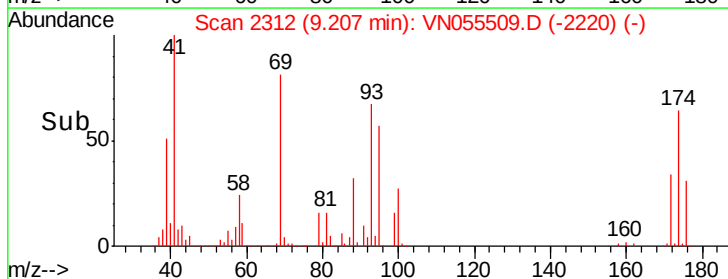
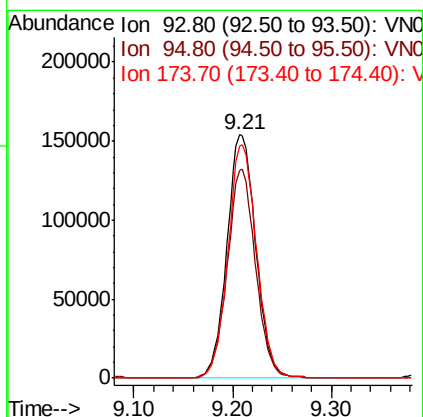
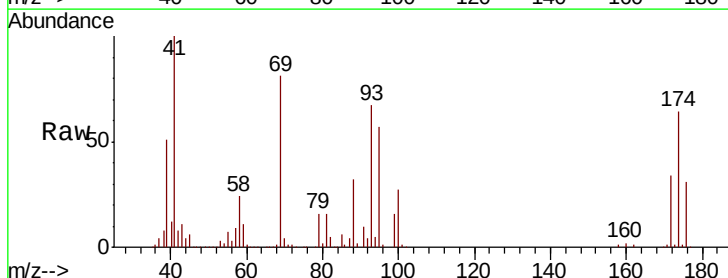
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

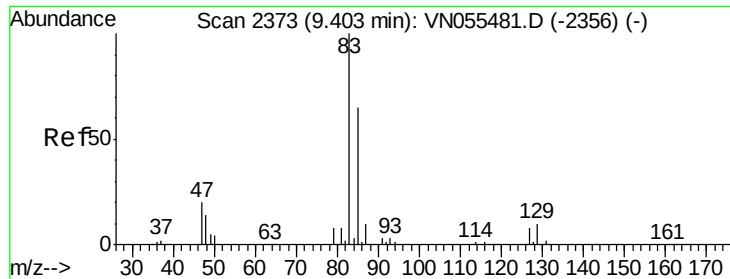
Tot Ion: 63 Resp: 546628
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.1 36.1



#46
 Dibromomethane
 Concen: 47.884 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 93 Resp: 314543
 Ion Ratio Lower Upper
 93 100
 95 84.5 64.8 97.2
 174 95.4 75.0 112.6





#47

Bromodichloromethane

Concen: 49.207 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

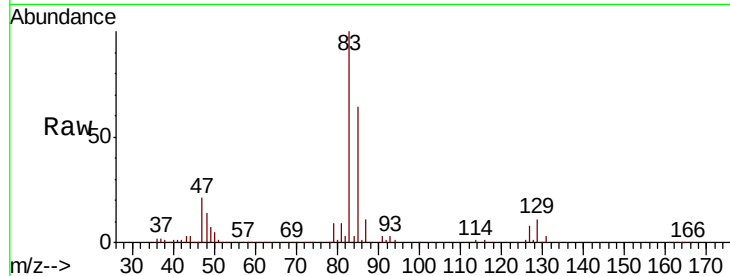
Tot Ion: 83 Resp: 618370

Ion Ratio Lower Upper

83 100

85 64.4 52.2 78.2

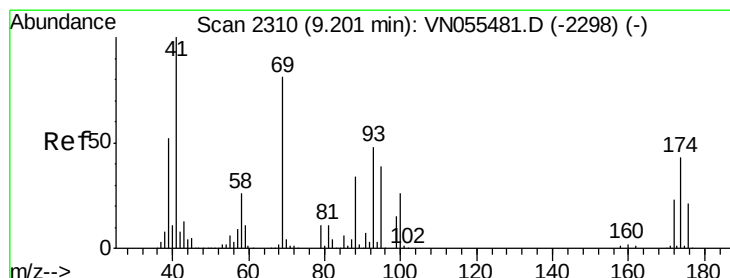
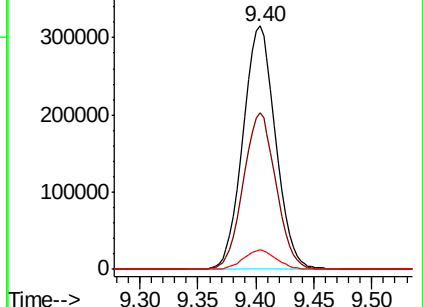
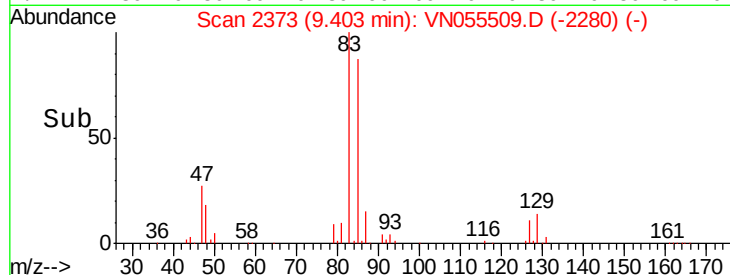
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055509.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055509.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055509.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.715 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

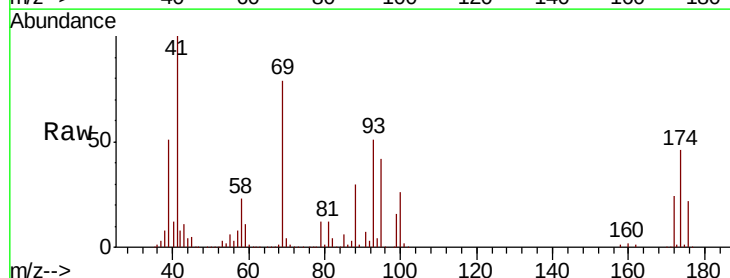
Tgt Ion: 41 Resp: 496415

Ion Ratio Lower Upper

41 100

69 82.3 64.2 96.2

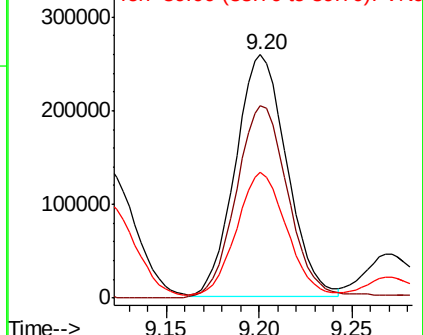
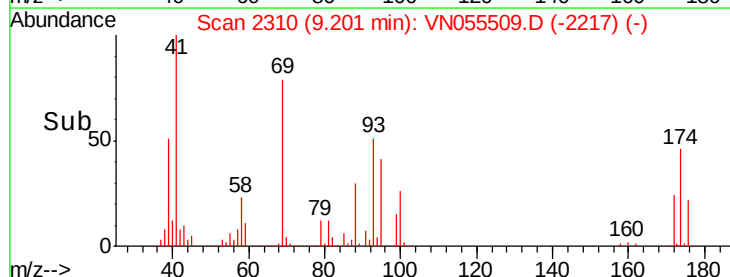
39 50.9 41.6 62.4

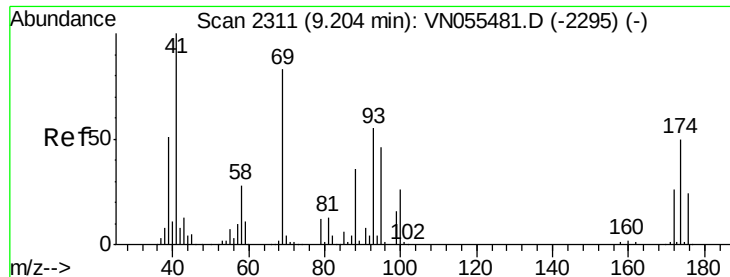


Abundance Ion 41.00 (40.70 to 41.70): VN055509.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055509.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055509.D (-2217) (-)

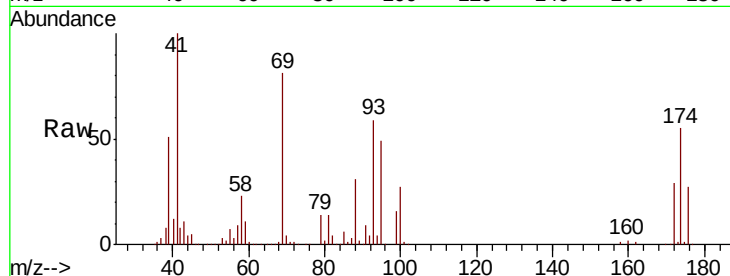




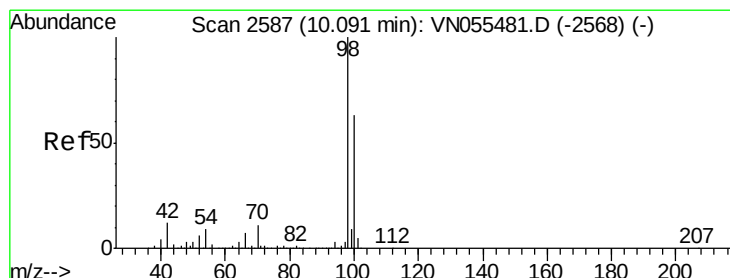
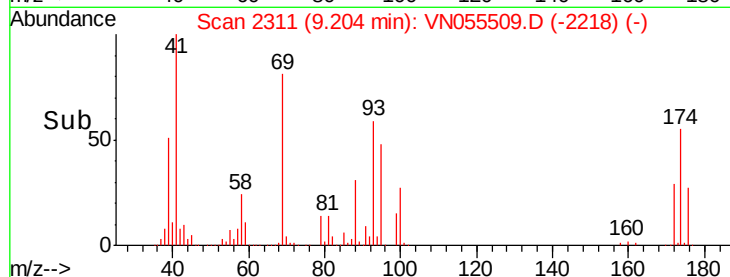
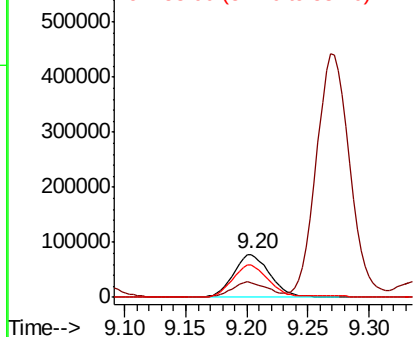
#49
1,4-Dioxane
Concen: 818.305 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 162522
Ion Ratio Lower Upper
88 100
43 33.5 27.8 41.8
58 74.3 61.8 92.6

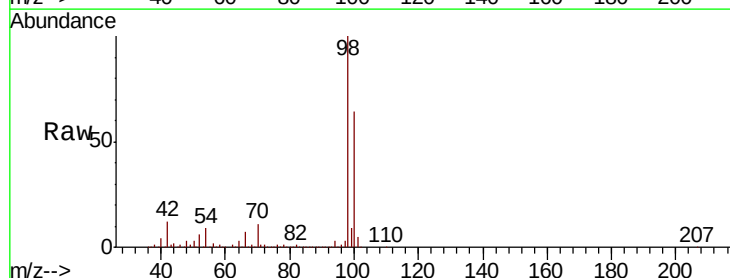


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

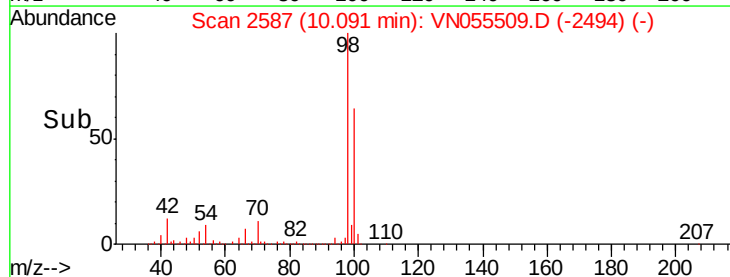
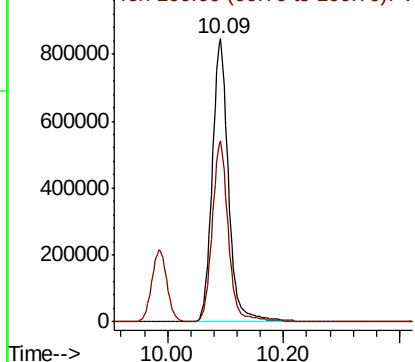


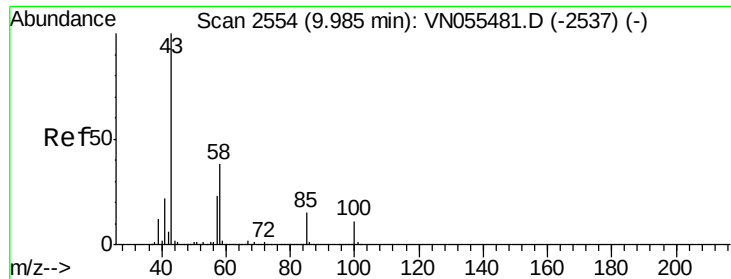
#50
Toluene-d8
Concen: 50.769 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 98 Resp: 1653262
Ion Ratio Lower Upper
98 100
100 63.2 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: 230.908 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

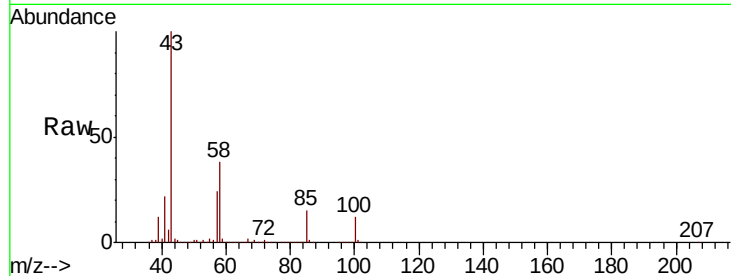
VSTDCCC050EC

Tot Ion: 43 Resp: 3211890

Ion Ratio Lower Upper

43 100

58 37.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2537) (-)

9.99

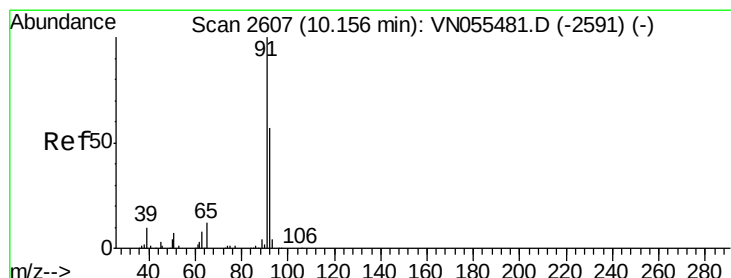
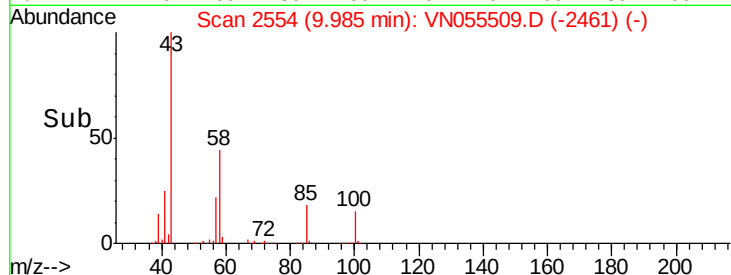
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 50.712 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055509.D

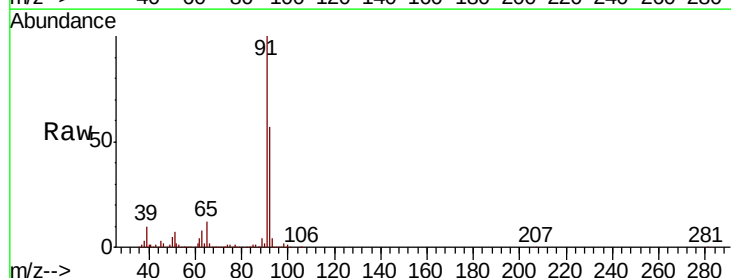
Acq: 9 May 2019 20:14

Tgt Ion: 92 Resp: 1148307

Ion Ratio Lower Upper

92 100

91 177.2 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN055481.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-2591) (-)

1200000

1000000

800000

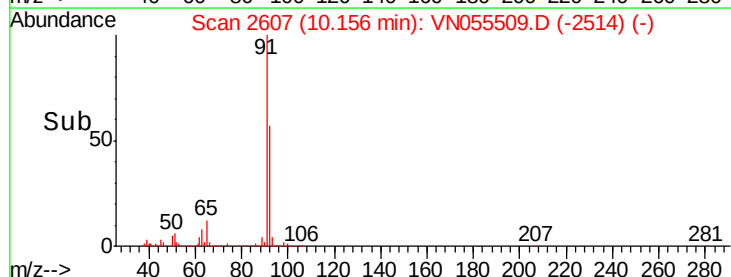
600000

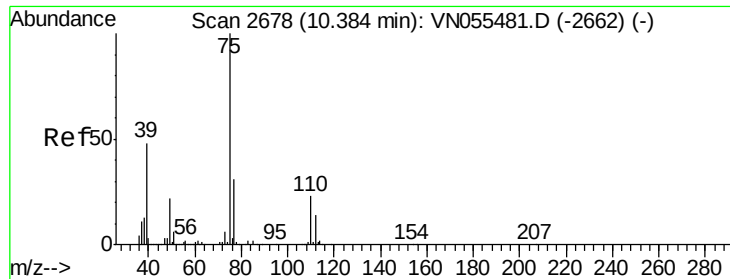
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.067 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

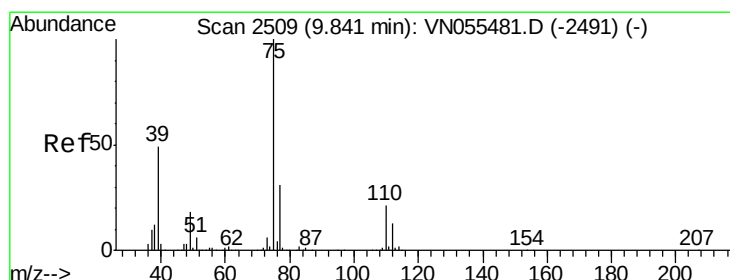
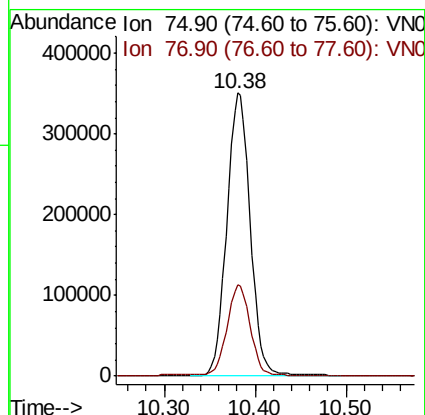
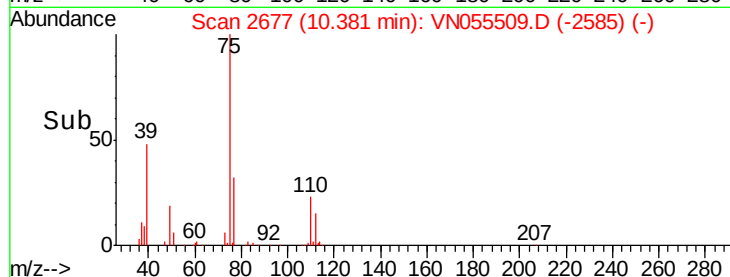
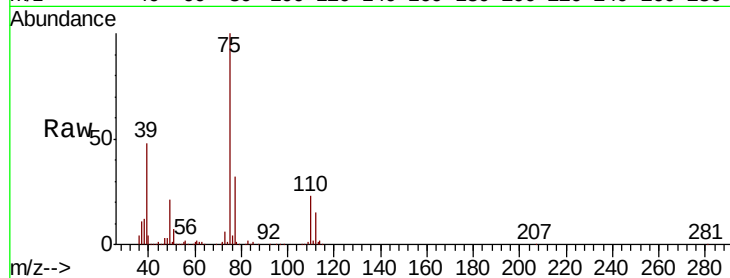
VSTDCCC050EC

Tot Ion: 75 Resp: 628425

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.964 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

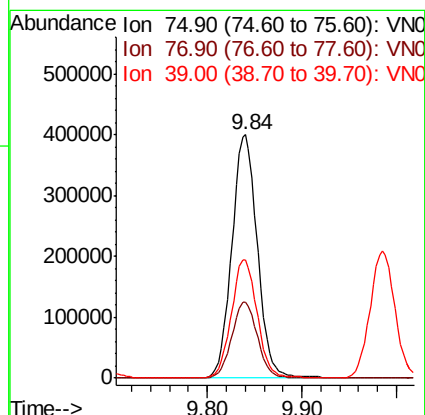
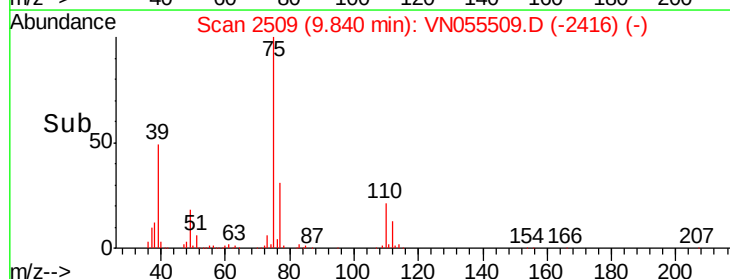
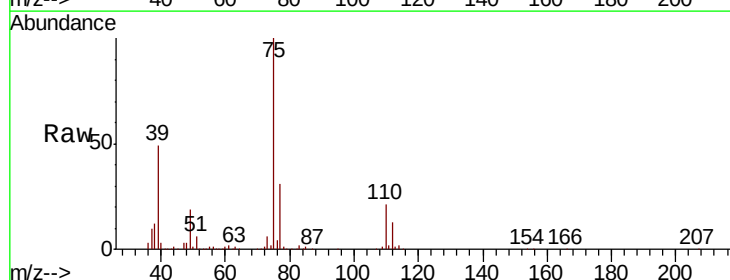
Tgt Ion: 75 Resp: 749438

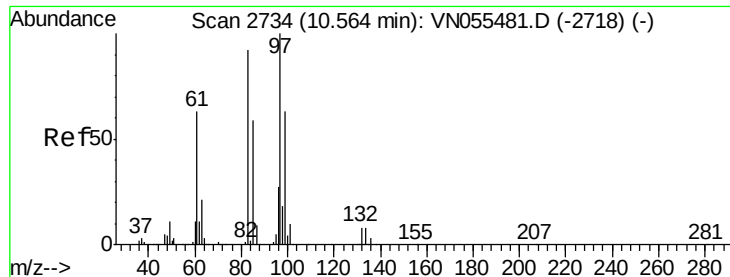
Ion Ratio Lower Upper

75 100

77 31.4 24.4 36.6

39 48.4 39.5 59.3

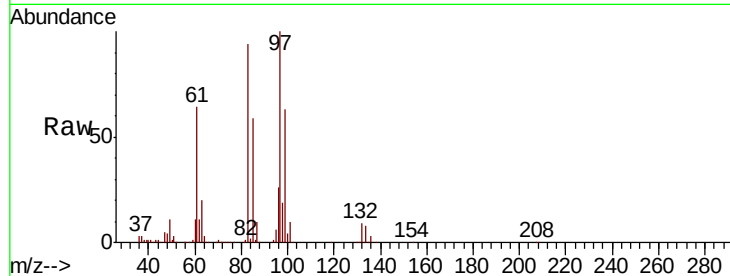




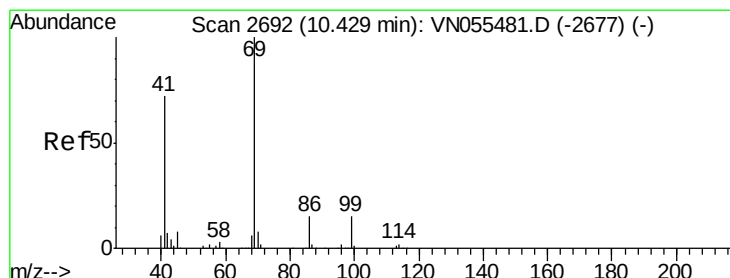
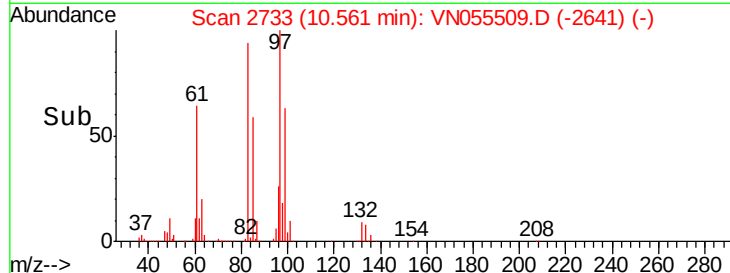
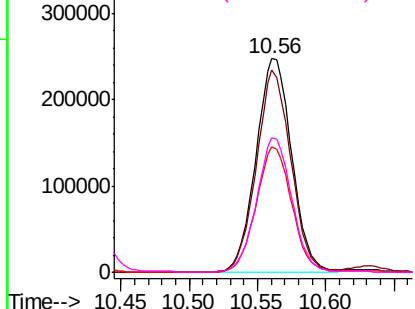
#55
 1,1,2-Trichloroethane
 Concen: 48.964 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 449221
 Ion Ratio Lower Upper
 97 100
 83 94.4 73.2 109.8
 85 58.6 47.5 71.3
 99 62.8 50.2 75.2

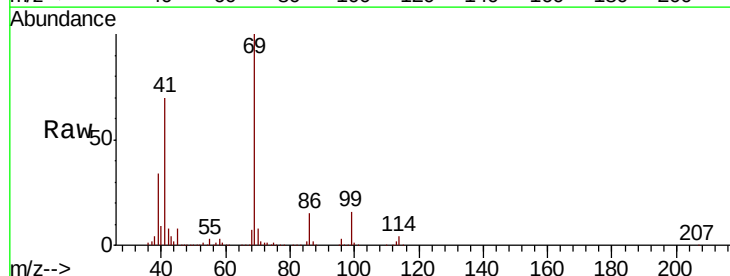


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

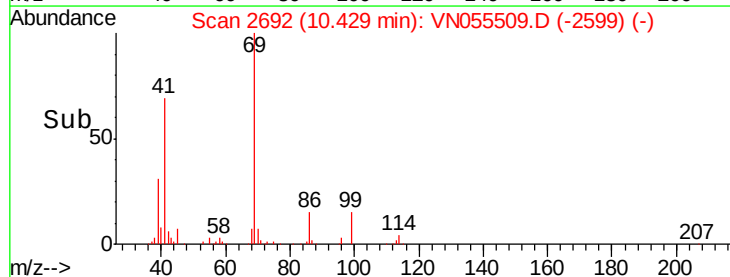
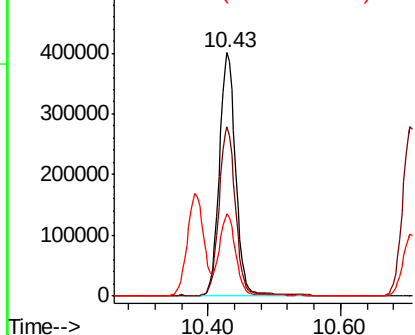


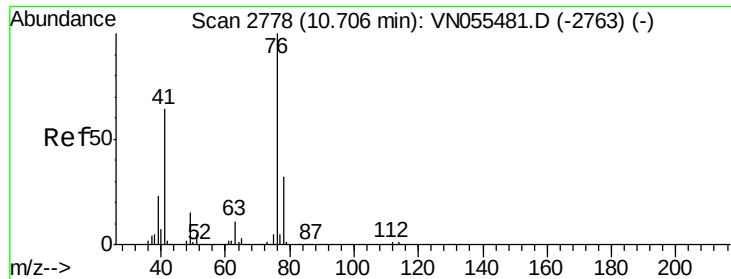
#56
 Ethyl methacrylate
 Concen: 50.523 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 69 Resp: 689463
 Ion Ratio Lower Upper
 69 100
 41 68.4 56.2 84.2
 39 33.4 27.8 41.6



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.277 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

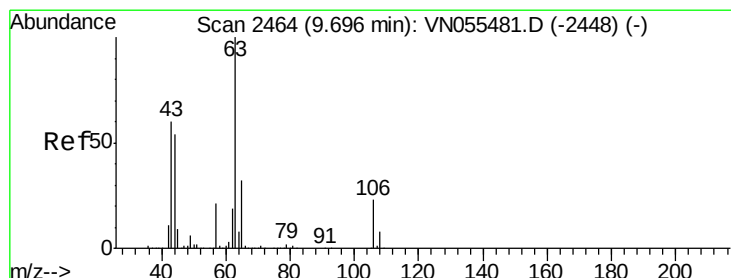
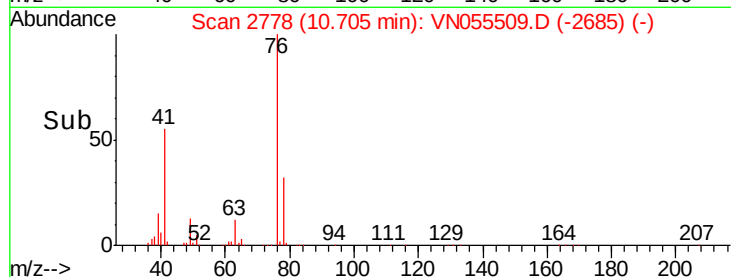
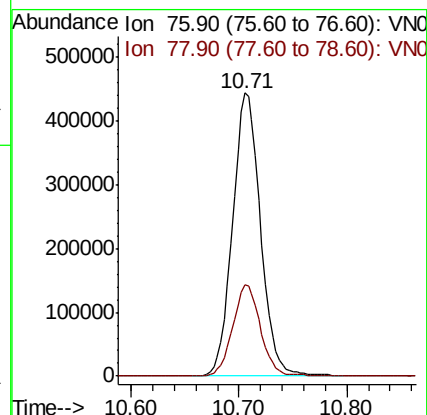
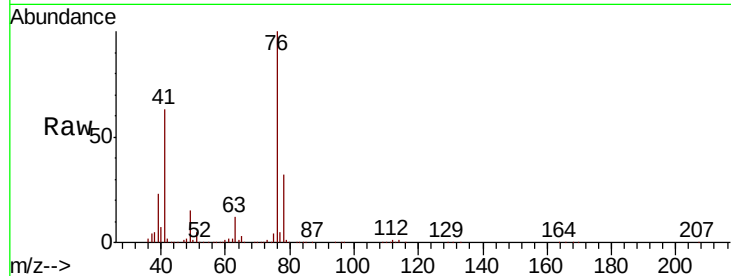
VSTDCCC050EC

Tot Ion: 76 Resp: 802611

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 213.441 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055509.D

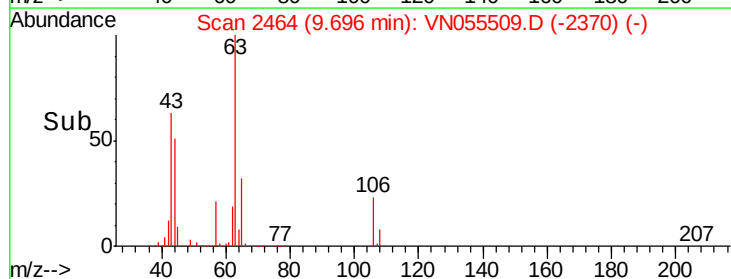
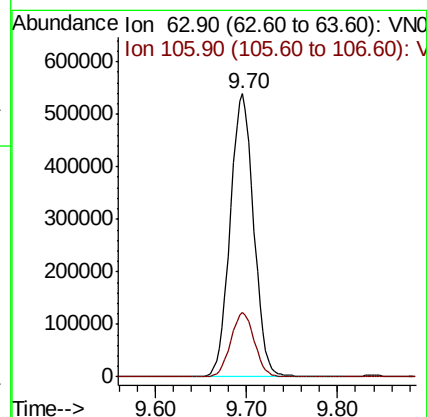
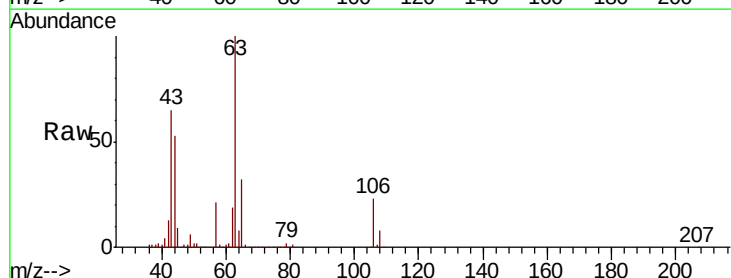
Acq: 9 May 2019 20:14

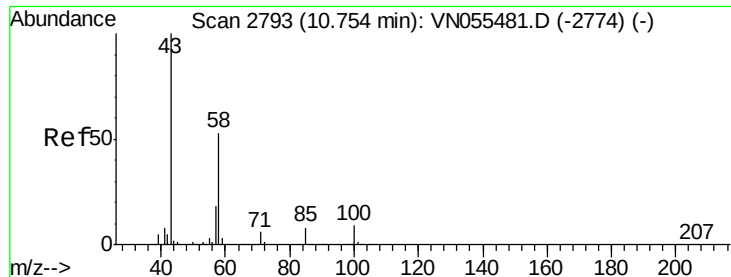
Tgt Ion: 63 Resp: 971663

Ion Ratio Lower Upper

63 100

106 22.8 18.6 27.8

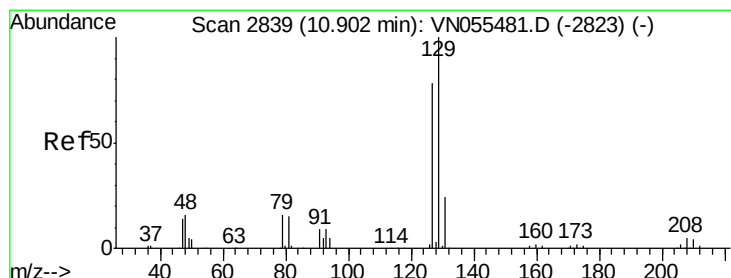
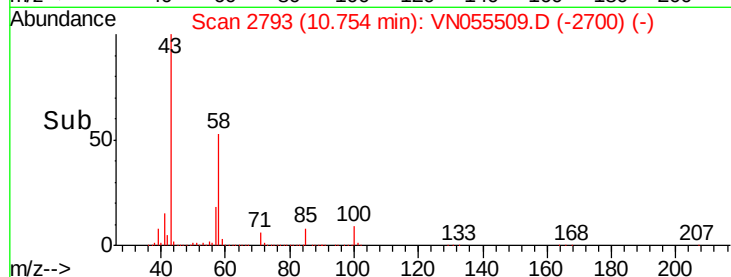
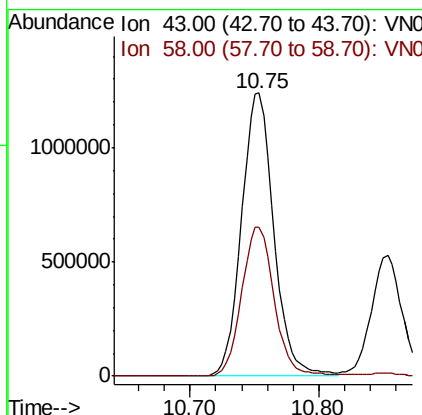
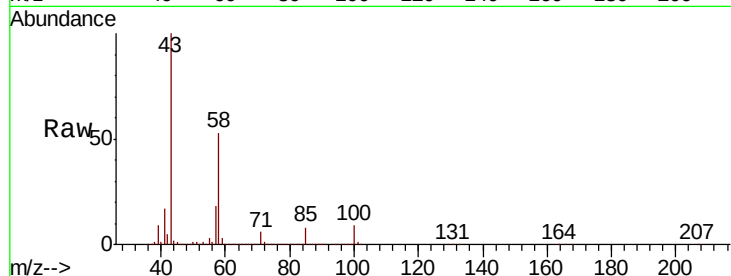




#59
2-Hexanone
Concen: 221.012 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

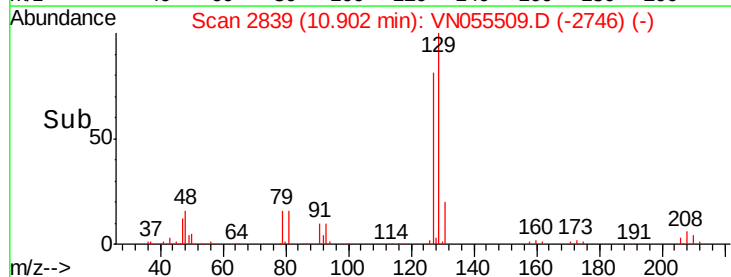
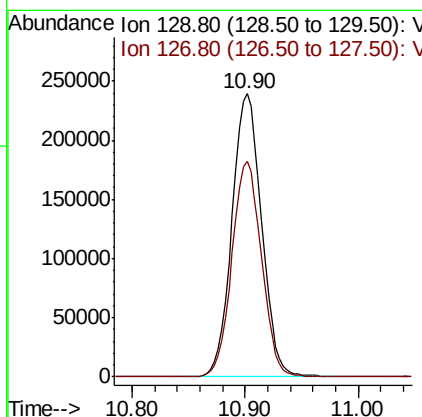
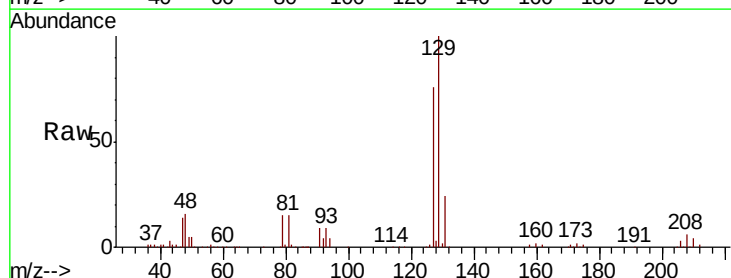
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

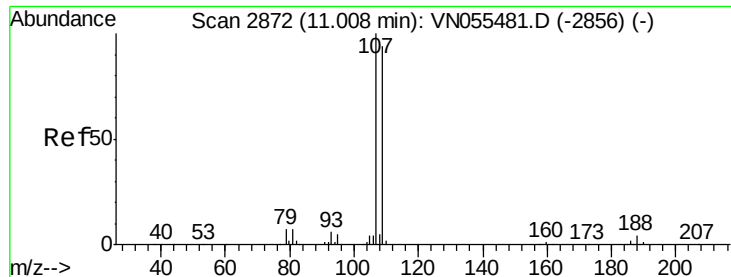
Tot Ion: 43 Resp: 2155965
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0



#60
Dibromochloromethane
Concen: 52.355 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 129 Resp: 436712
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0

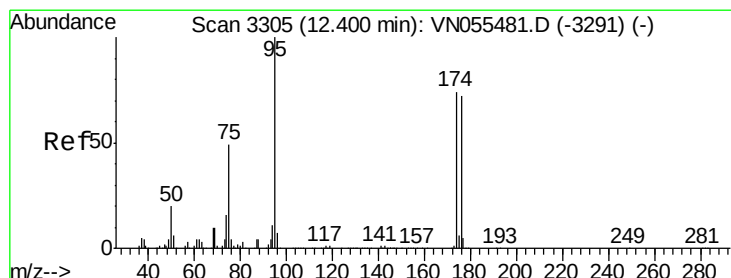
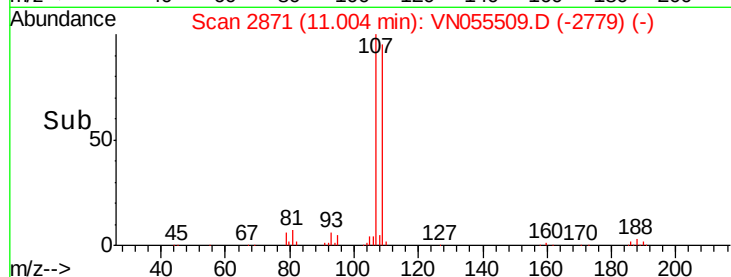
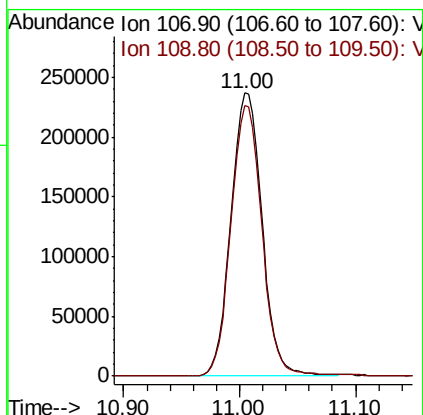
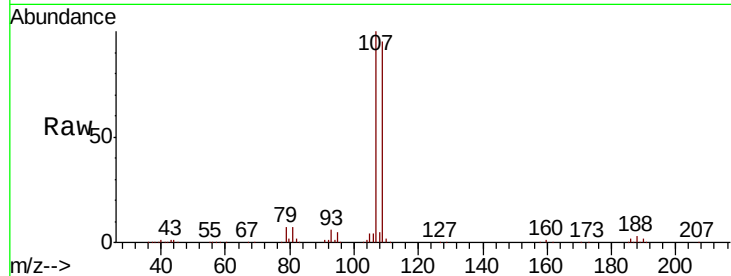




#61
 1,2-Dibromoethane
 Concen: 49.980 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

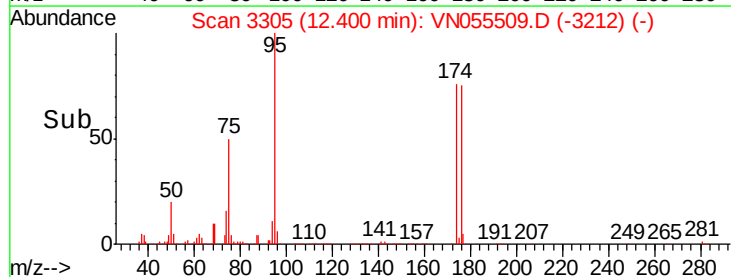
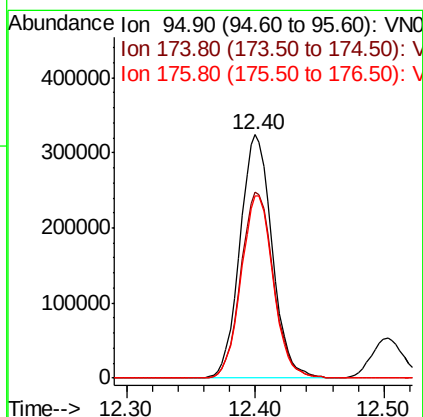
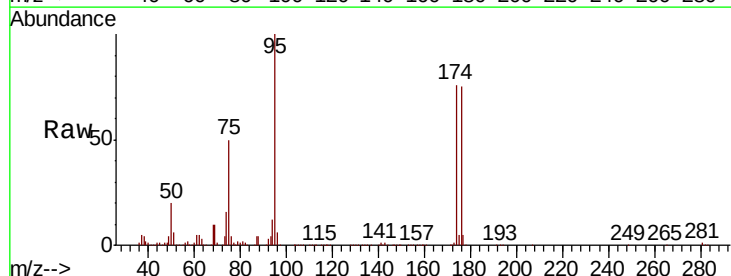
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

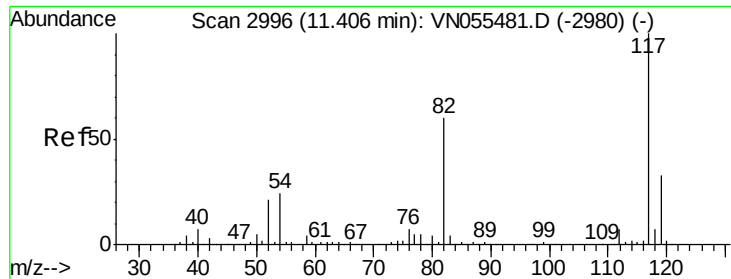
Tot Ion:107 Resp: 440567
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 51.312 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 95 Resp: 563419
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 152.2
 176 74.9 0.0 147.8

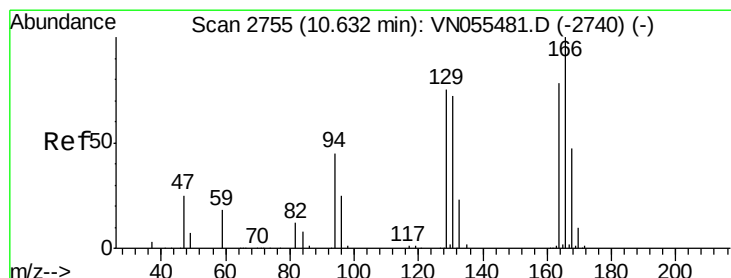
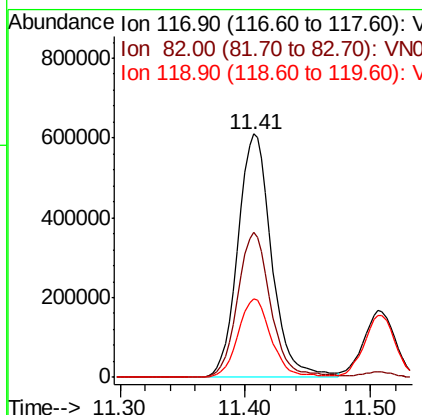
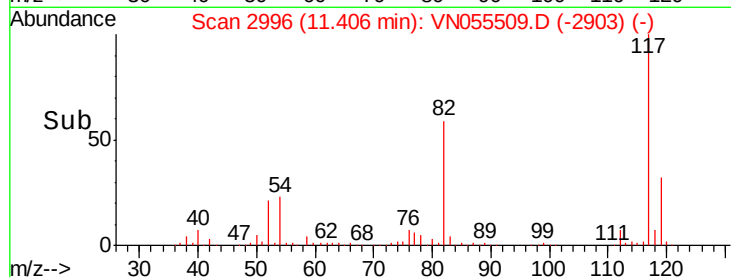
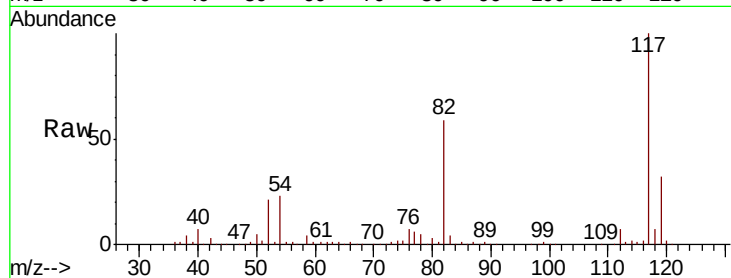




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

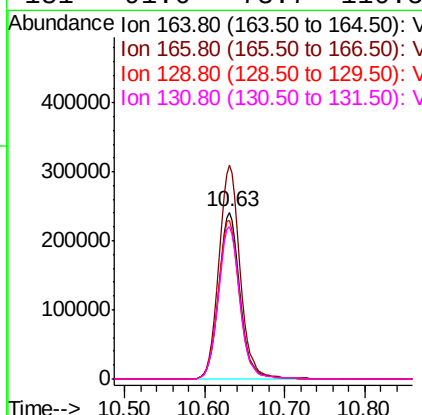
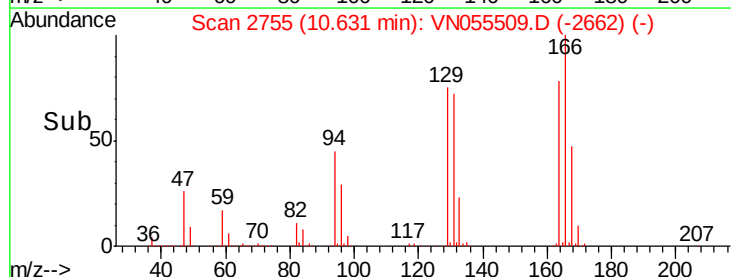
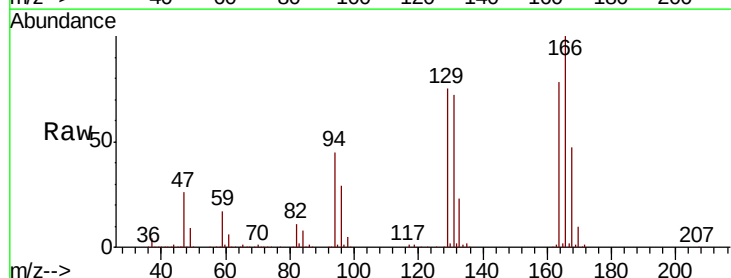
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

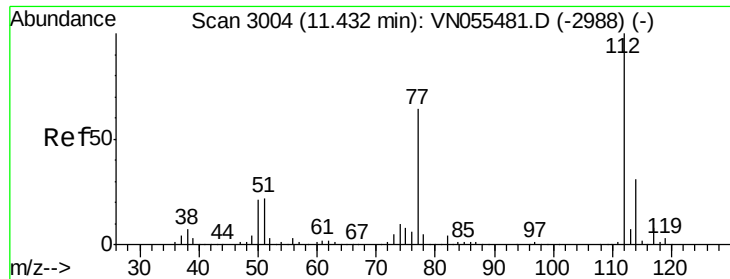
Tot Ion:117 Resp: 1139398
Ion Ratio Lower Upper
117 100
82 59.4 48.0 72.0
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 47.524 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion:164 Resp: 443698
Ion Ratio Lower Upper
164 100
166 128.0 102.6 153.8
129 95.4 77.0 115.6
131 91.6 73.7 110.5

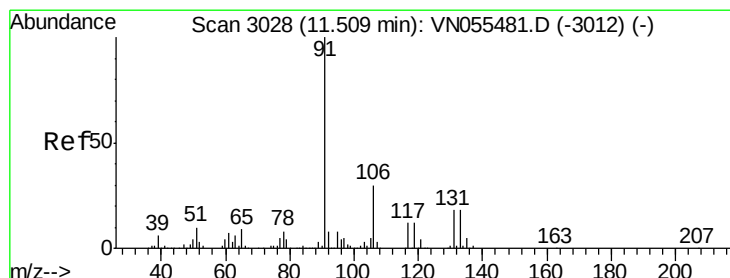
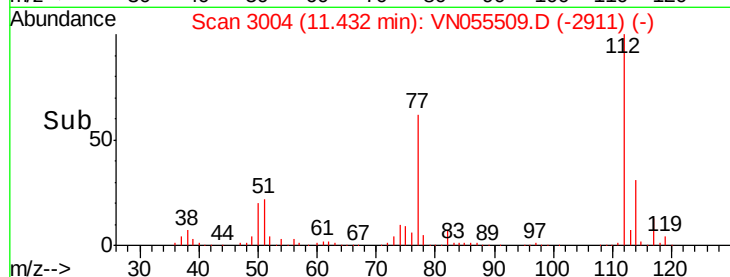
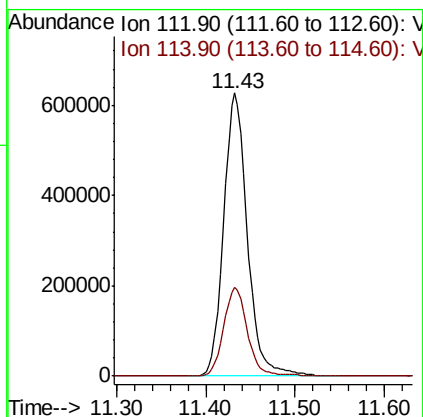
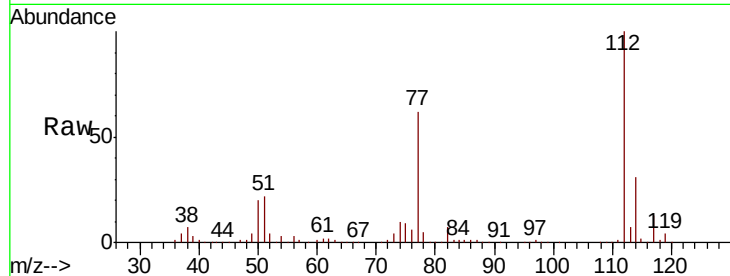




#65
Chlorobenzene
Concen: 49.117 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

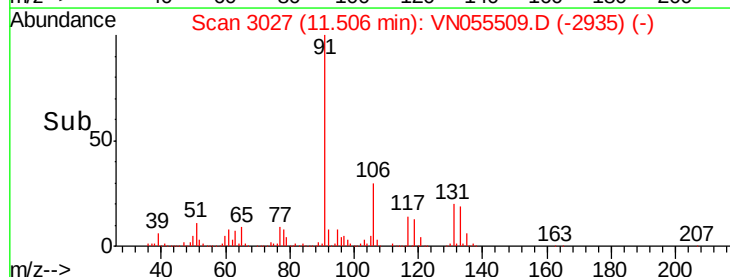
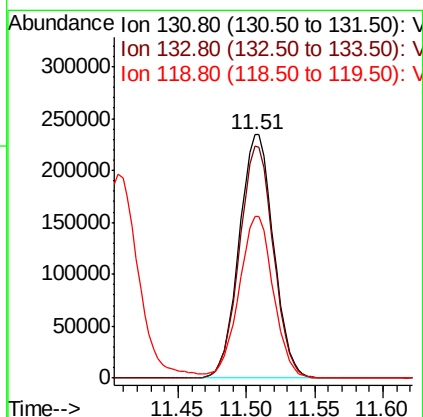
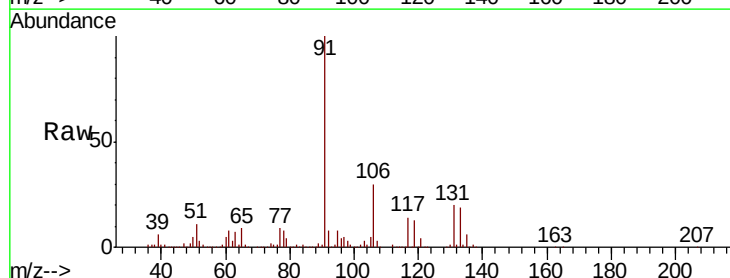
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

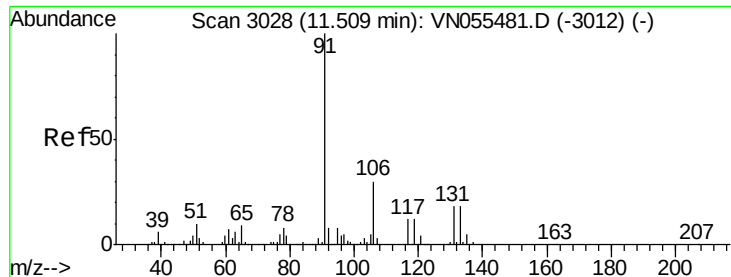
Tot Ion:112 Resp: 1151370
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.871 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion:131 Resp: 410536
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.2
119 66.1 34.1 102.2

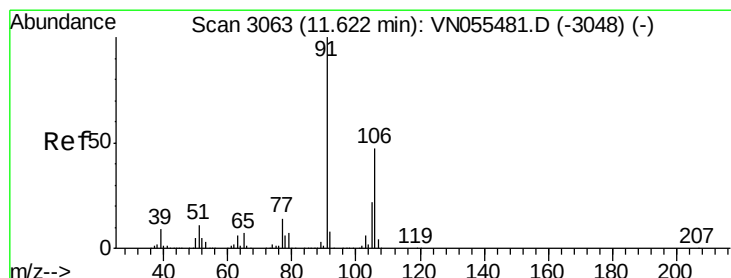
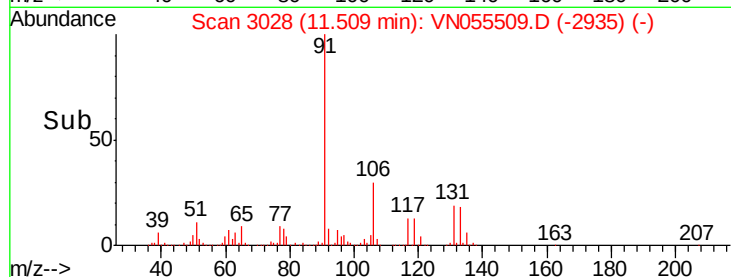
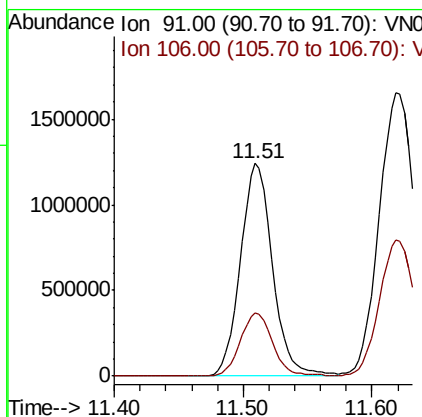
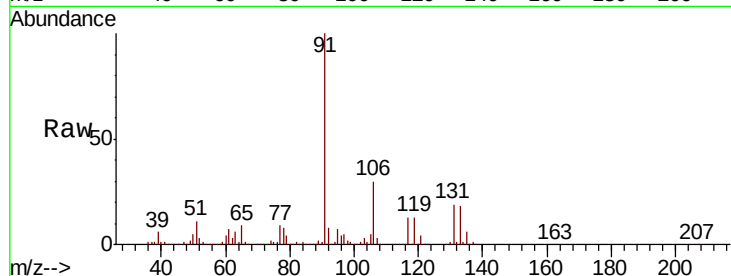




#67
Ethyl Benzene
Concen: 48.965 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

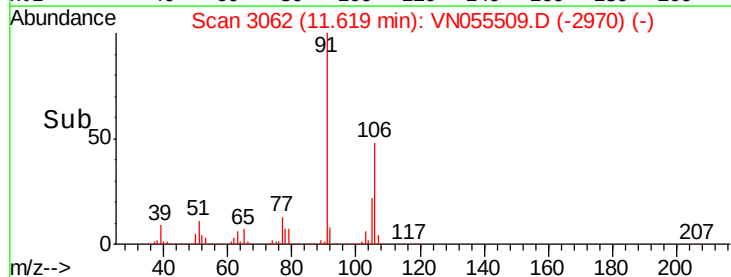
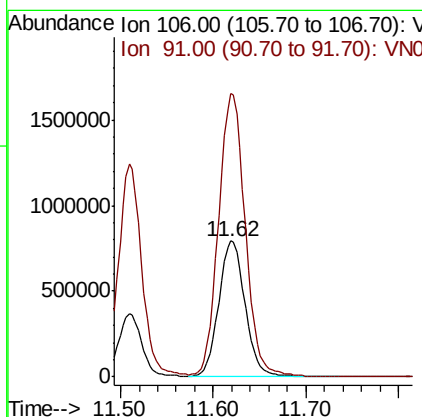
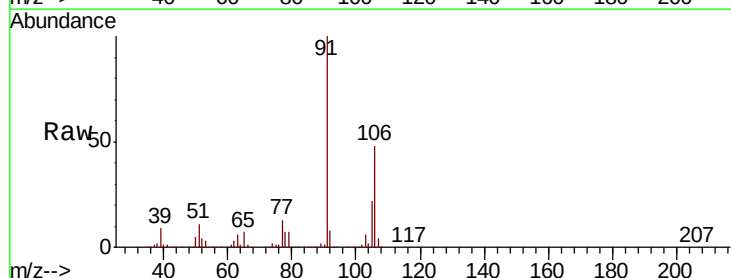
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

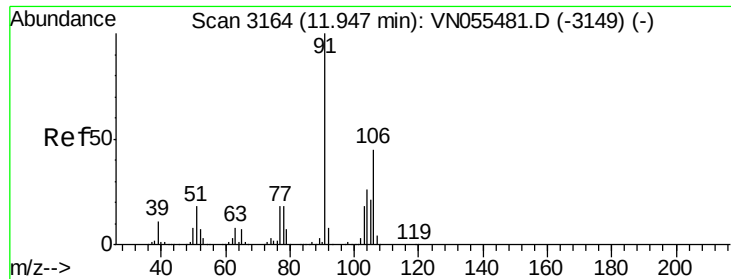
Tot Ion: 91 Resp: 2155748
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6



#68
m/p-Xylenes
Concen: 99.271 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 106 Resp: 1568472
Ion Ratio Lower Upper
106 100
91 210.7 169.2 253.8

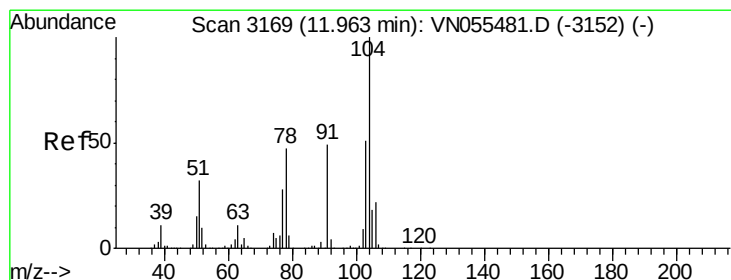
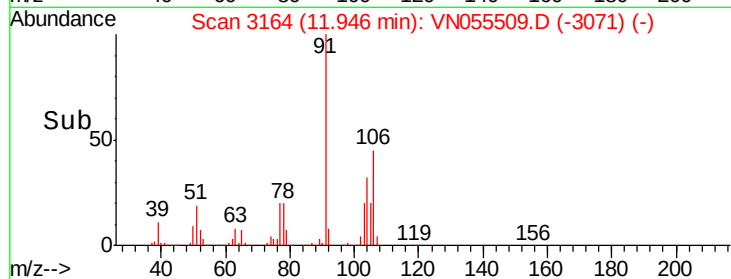
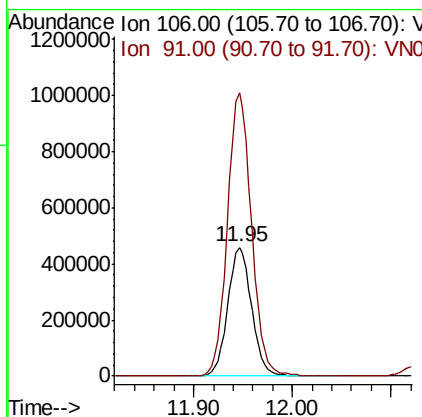
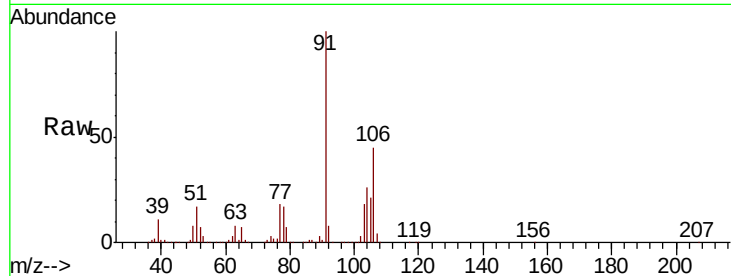




#69
o-Xylene
Concen: 49.750 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

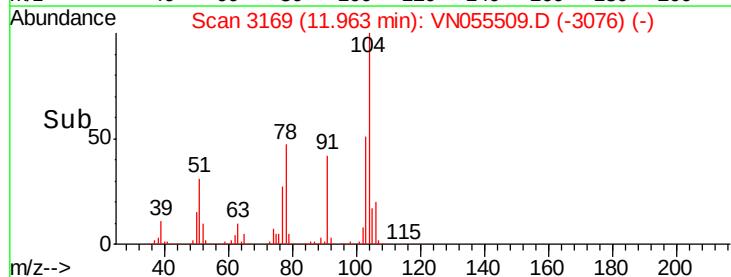
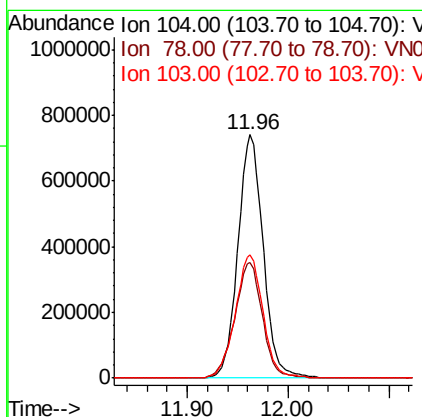
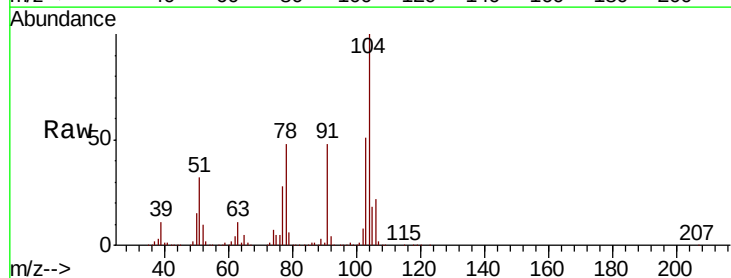
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

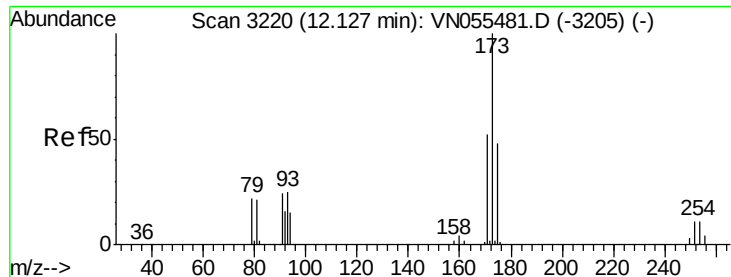
Tot Ion:106 Resp: 772590
Ion Ratio Lower Upper
106 100
91 221.5 111.3 333.8



#70
Styrene
Concen: 51.792 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion:104 Resp: 1288581
Ion Ratio Lower Upper
104 100
78 52.0 41.6 62.4
103 55.4 44.4 66.6





#71

Bromoform

Concen: 51.939 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

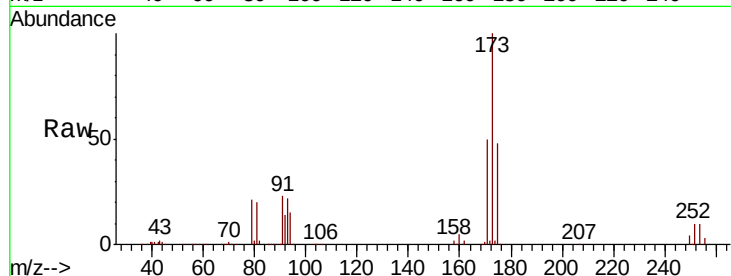
Tot Ion:173 Resp: 282847

Ion Ratio Lower Upper

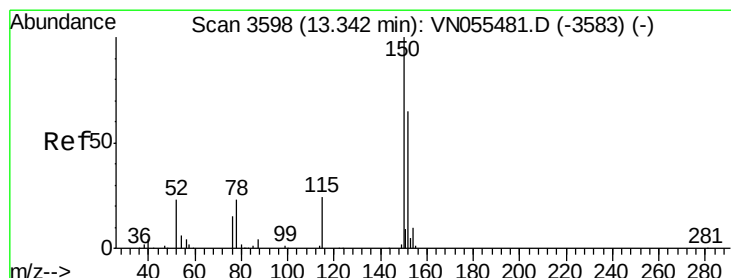
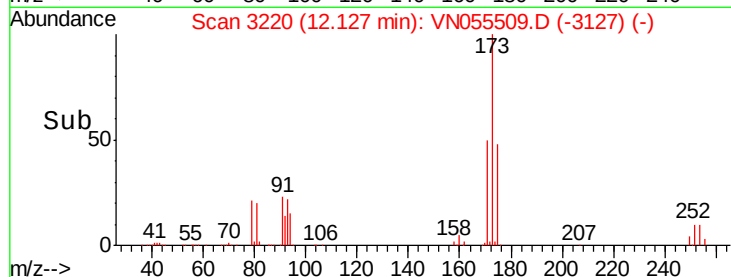
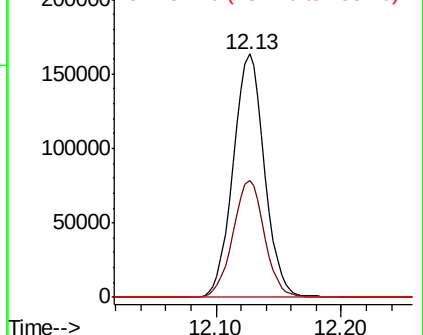
173 100

175 48.6 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: VN055509.D

Acq: 9 May 2019 20:14

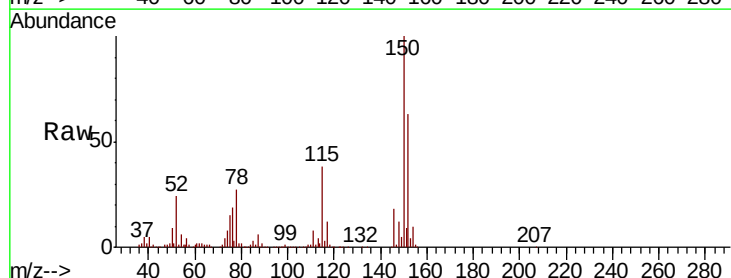
Tgt Ion:152 Resp: 478173

Ion Ratio Lower Upper

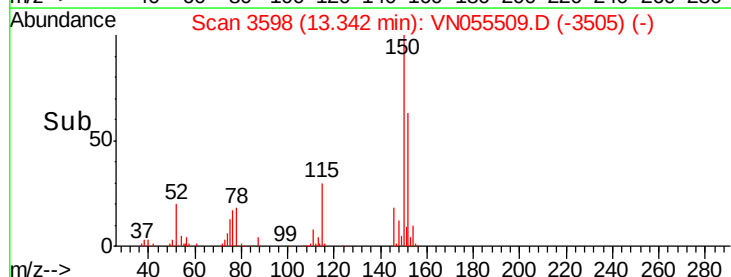
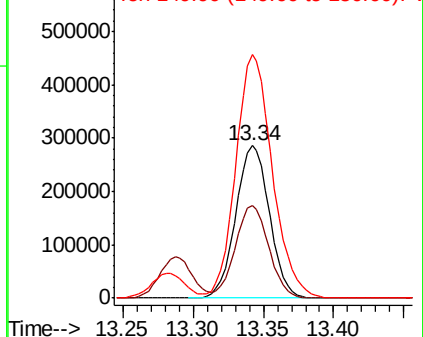
152 100

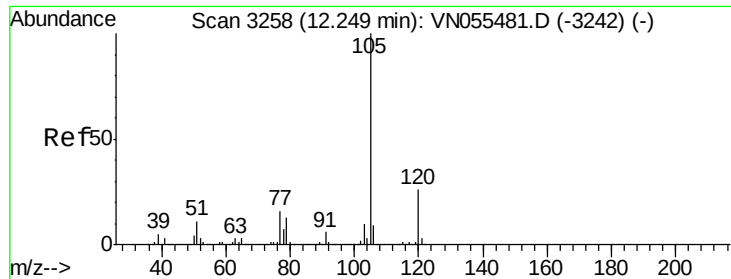
115 60.5 30.1 90.5

150 173.1 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

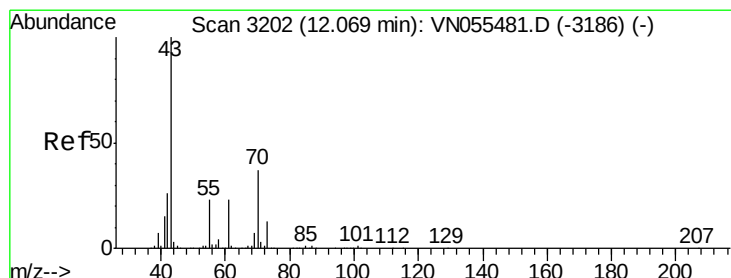
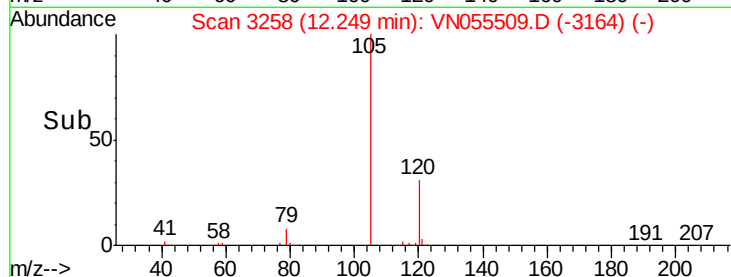
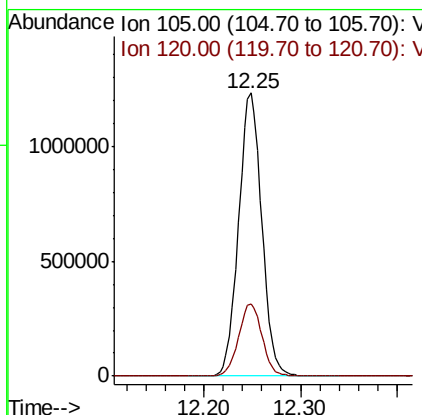
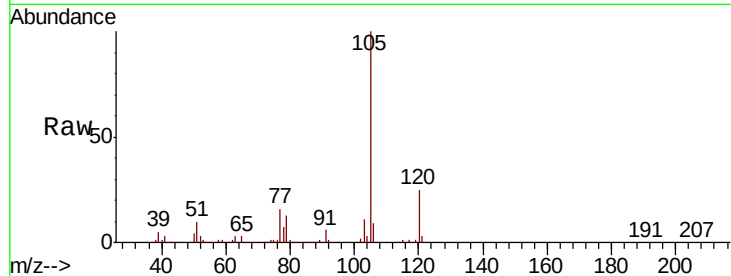




#73
Isopropylbenzene
Concen: 52.005 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

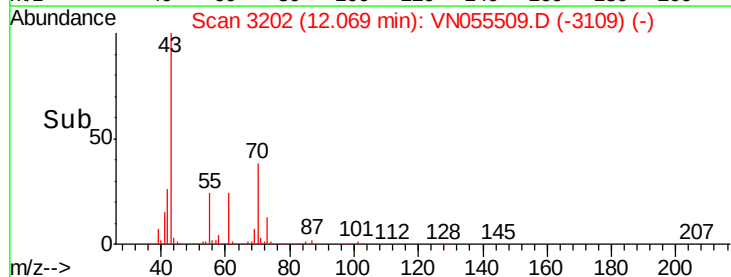
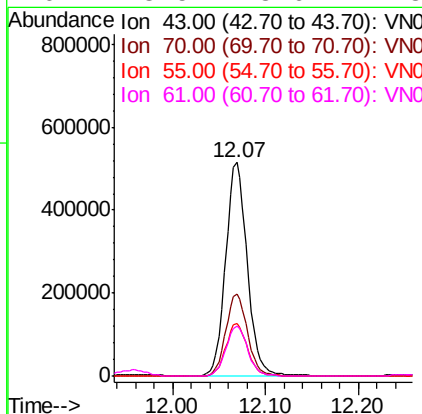
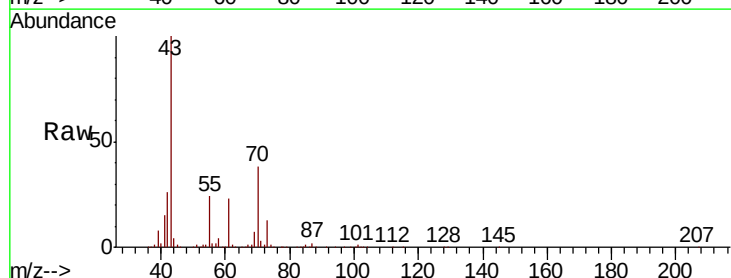
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

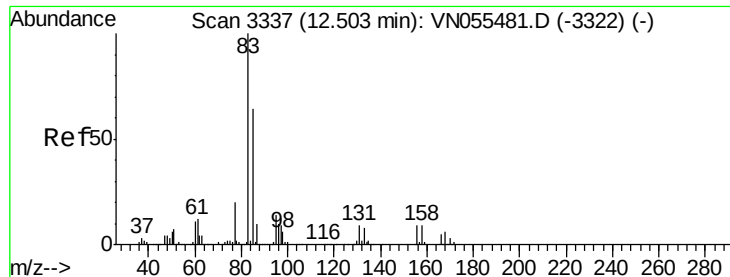
Tot Ion:105 Resp: 2046505
Ion Ratio Lower Upper
105 100
120 25.9 13.0 39.0



#74
N-ethyl acetate
Concen: 45.514 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 43 Resp: 826270
Ion Ratio Lower Upper
43 100
70 39.0 30.7 46.1
55 24.8 19.3 28.9
61 23.5 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.110 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

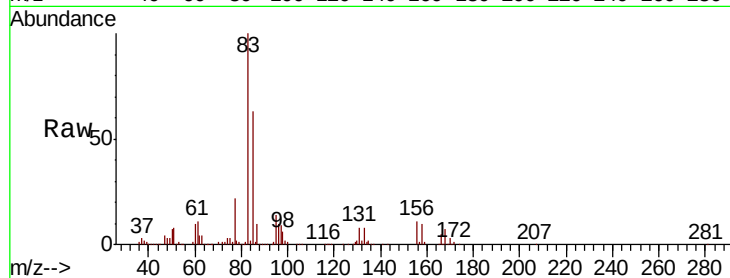
Tot Ion: 83 Resp: 642336

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

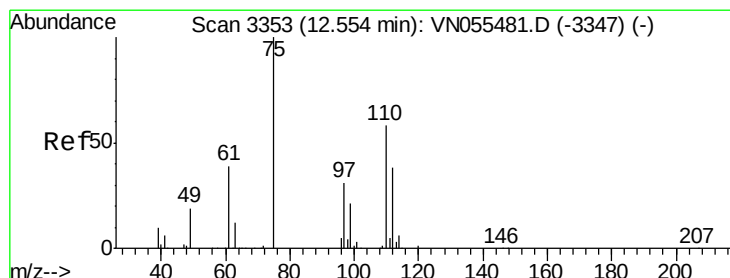
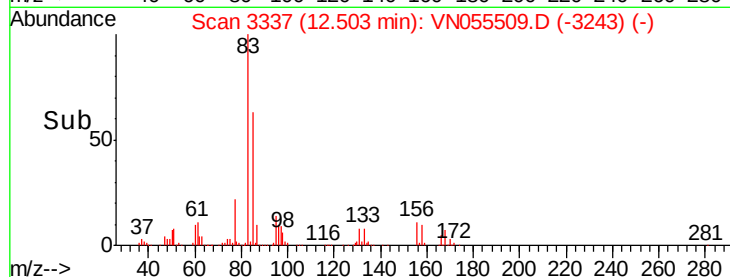
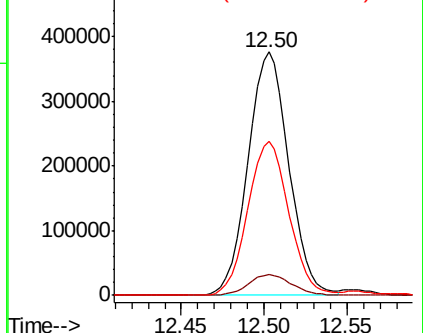
85 63.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055509.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055509.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055509.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 58.369 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055509.D

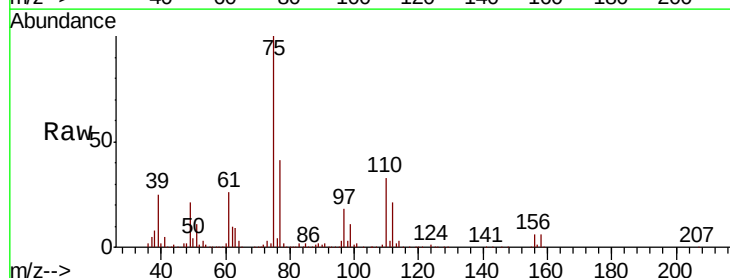
Acq: 9 May 2019 20:14

Tgt Ion: 75 Resp: 759817

Ion Ratio Lower Upper

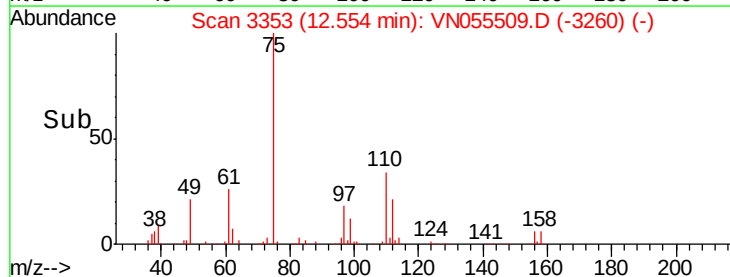
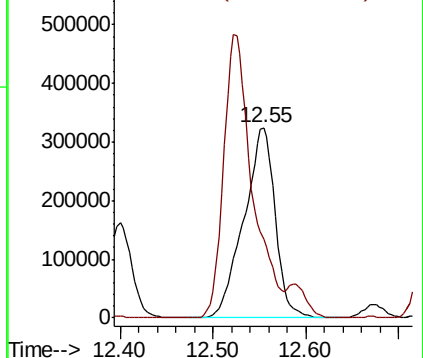
75 100

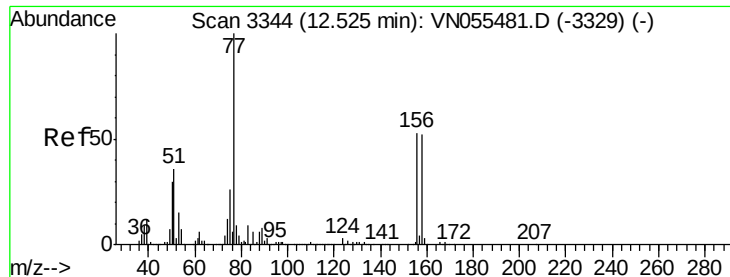
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055509.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055509.D (-3260) (-)





#77

Bromobenzene

Concen: 44.225 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

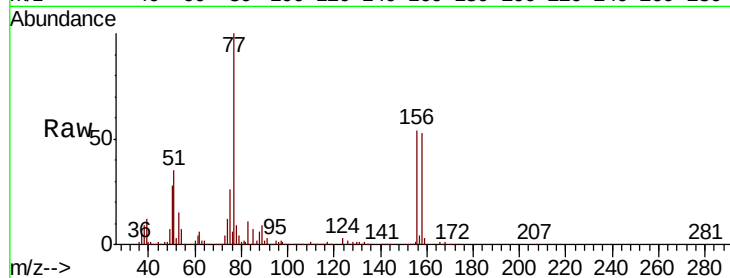
Tot Ion:156 Resp: 466047

Ion Ratio Lower Upper

156 100

77 224.7 115.4 346.2

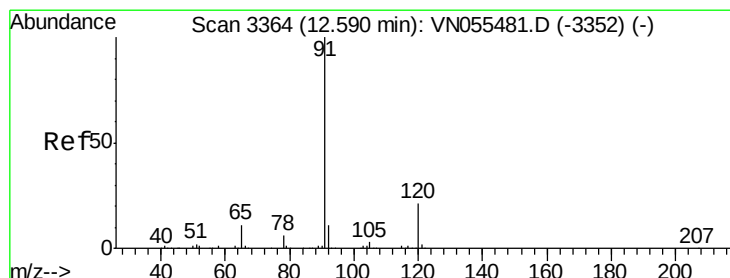
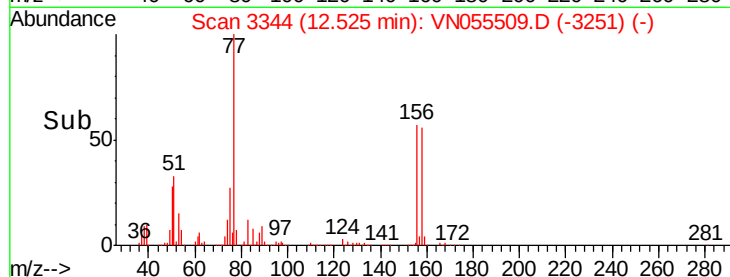
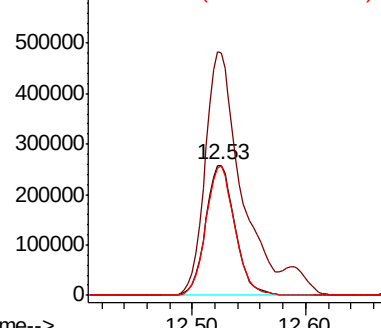
158 98.1 48.7 146.1



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: 45.347 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055509.D

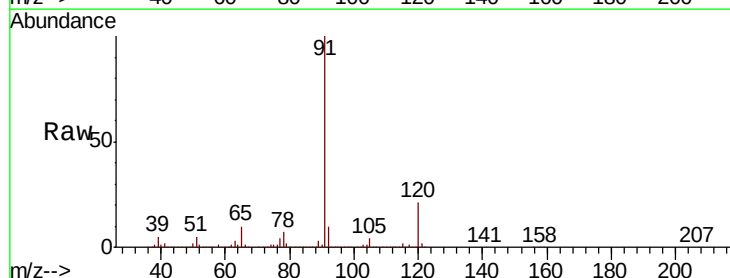
Acq: 9 May 2019 20:14

Tgt Ion: 91 Resp: 2325684

Ion Ratio Lower Upper

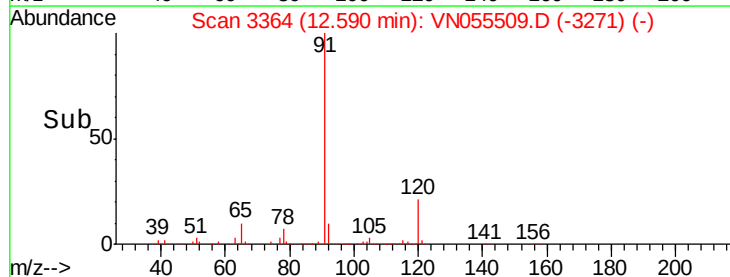
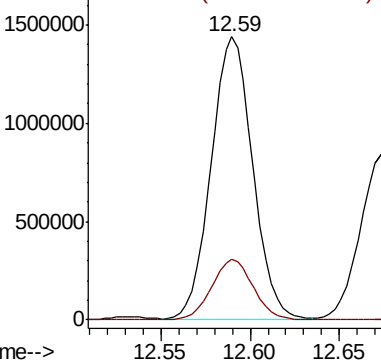
91 100

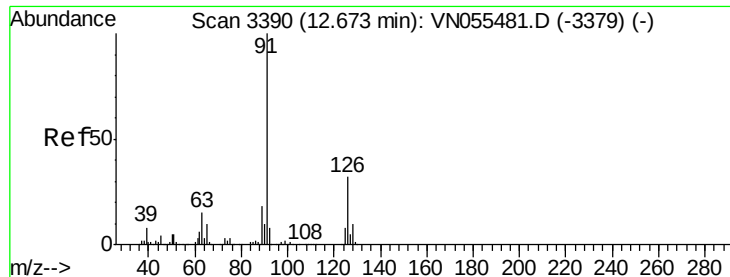
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.893 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

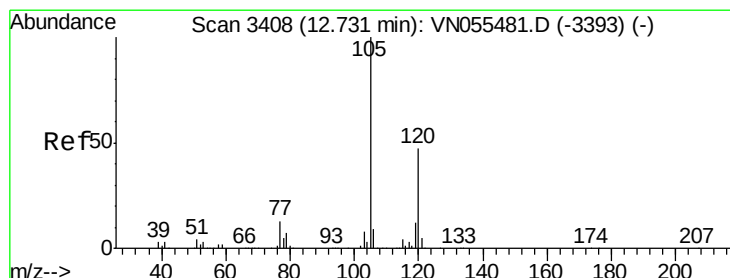
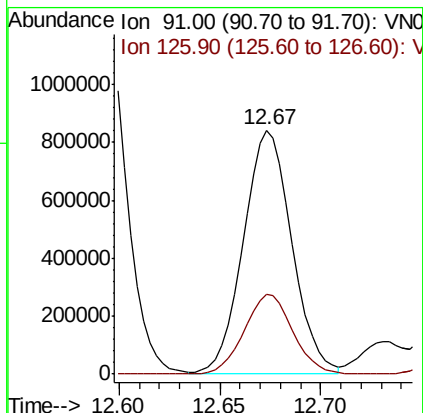
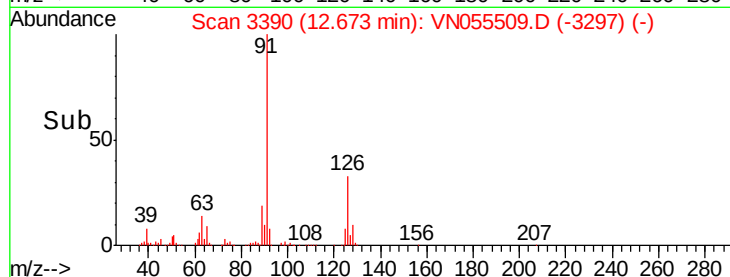
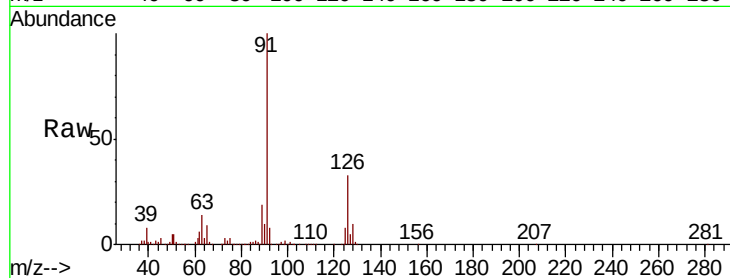
VSTDCCC050EC

Tot Ion: 91 Resp: 1402945

Ion Ratio Lower Upper

91 100

126 33.0 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 45.318 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055509.D

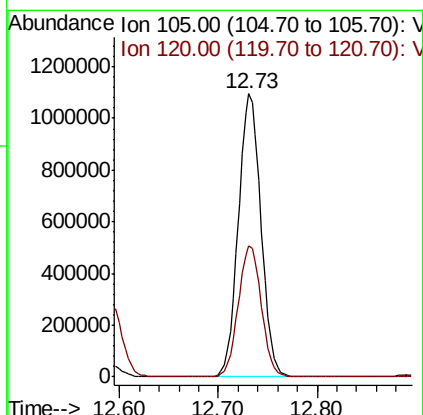
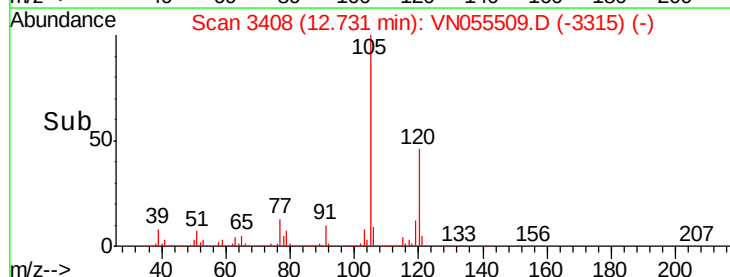
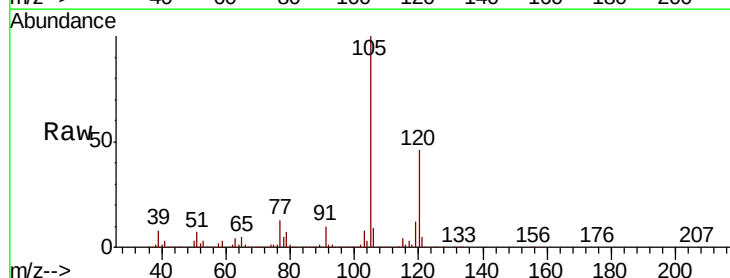
Acq: 9 May 2019 20:14

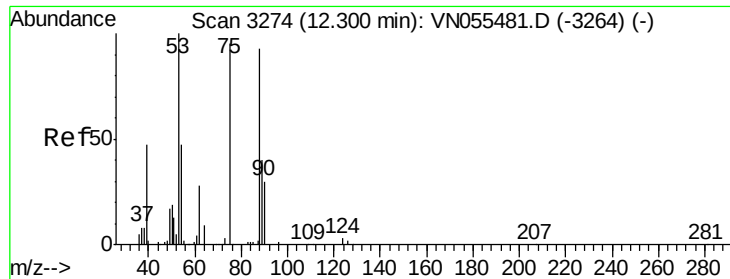
Tgt Ion:105 Resp: 1733056

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 43.755 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

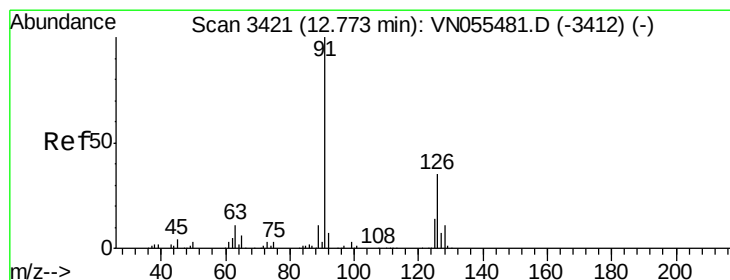
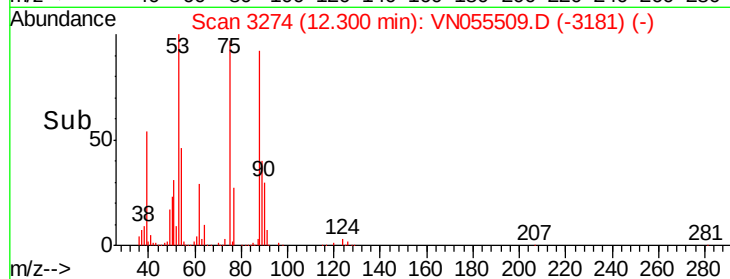
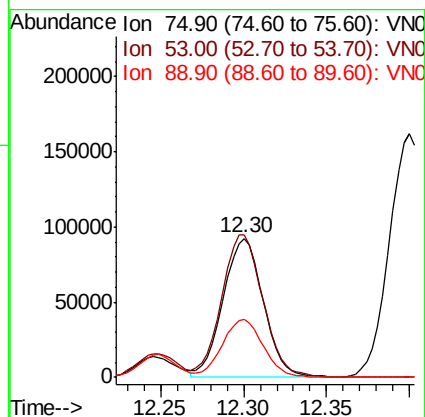
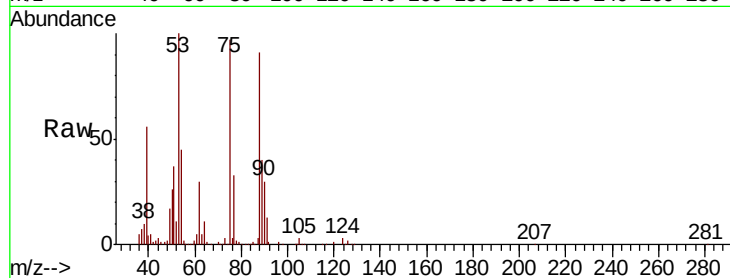
Tot Ion: 75 Resp: 154362

Ion Ratio Lower Upper

75 100

53 106.9 86.5 129.7

89 42.9 35.7 53.5



#82

4-Chlorotoluene

Concen: 45.331 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055509.D

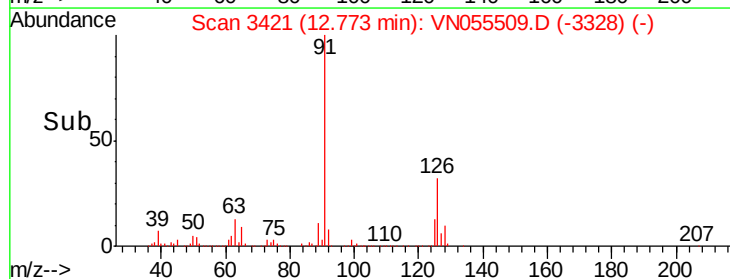
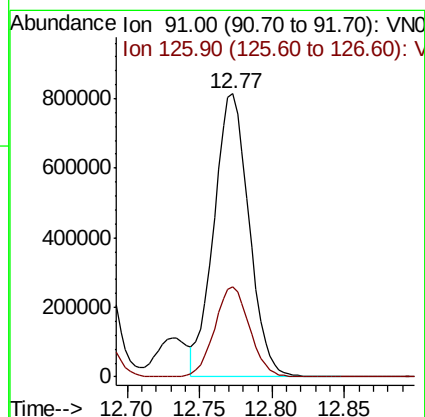
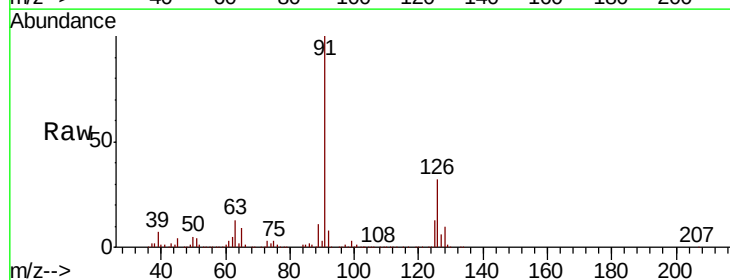
Acq: 9 May 2019 20:14

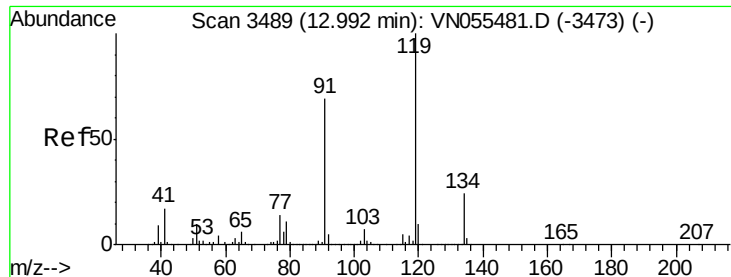
Tgt Ion: 91 Resp: 1369074

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.0

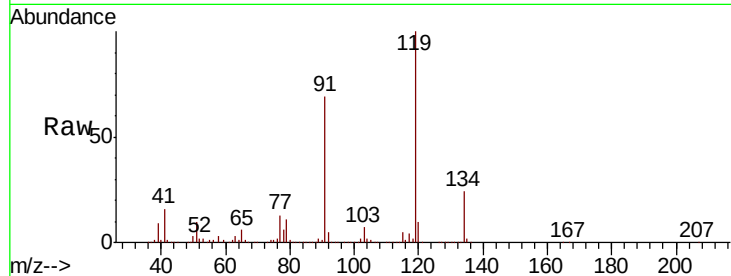




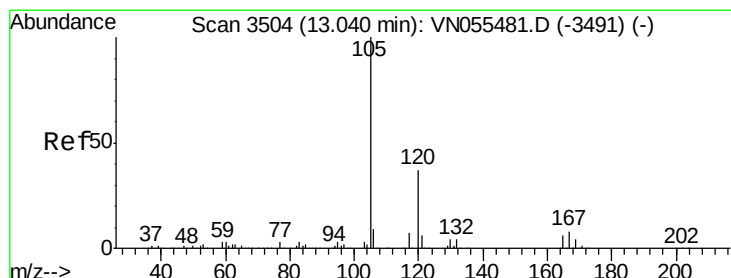
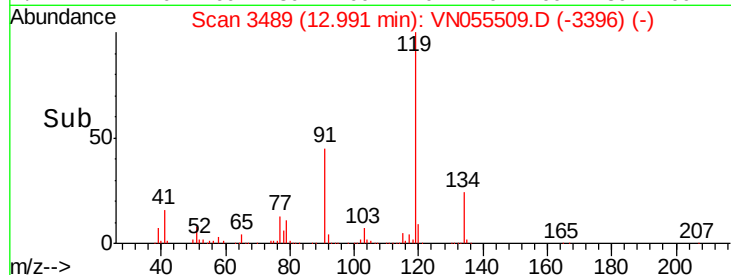
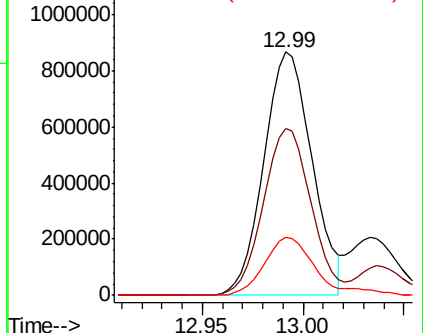
#83
 tert-Butylbenzene
 Concen: 44.015 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1442768
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.8 101.3
 134 25.5 12.5 37.5

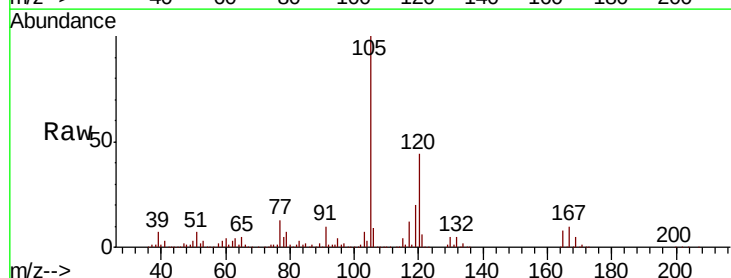


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

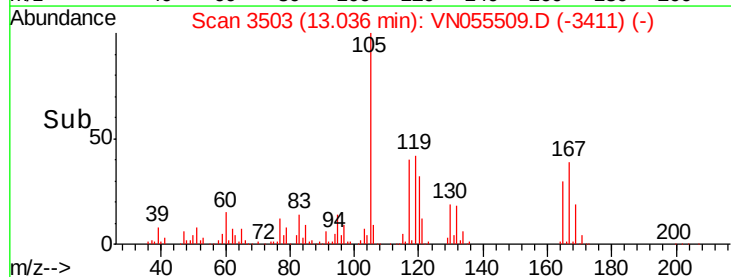
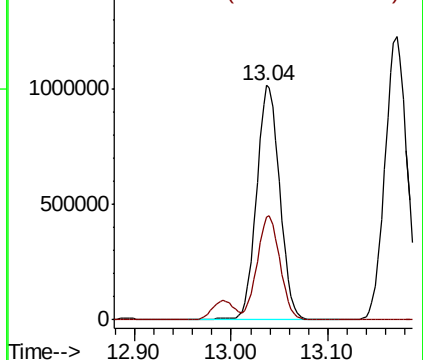


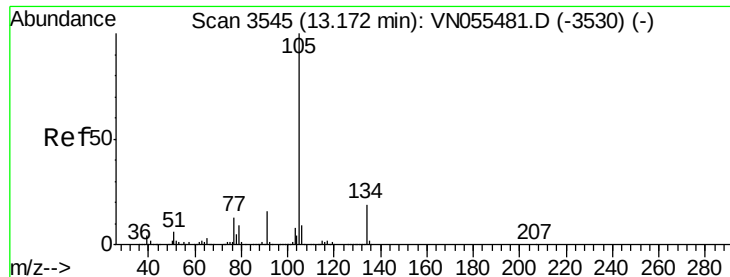
#84
 1,2,4-Trimethylbenzene
 Concen: 48.073 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion:105 Resp: 1686051
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.673 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

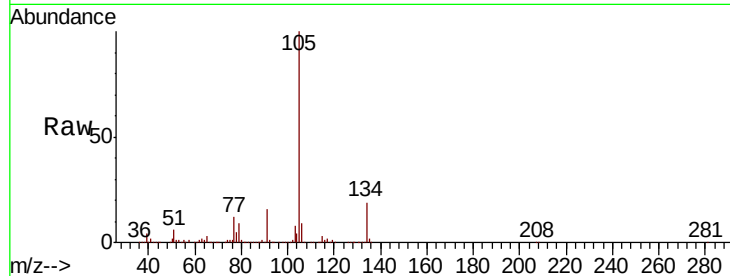
VSTDCCC050EC

Tot Ion:105 Resp: 1946117

Ion Ratio Lower Upper

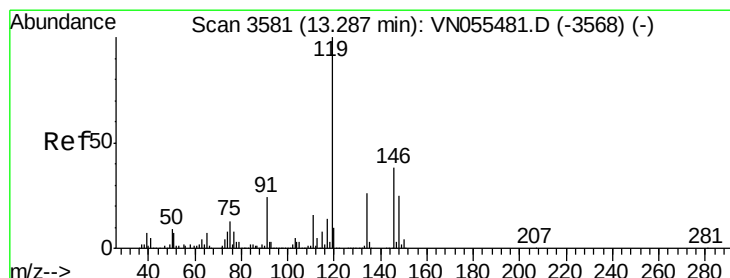
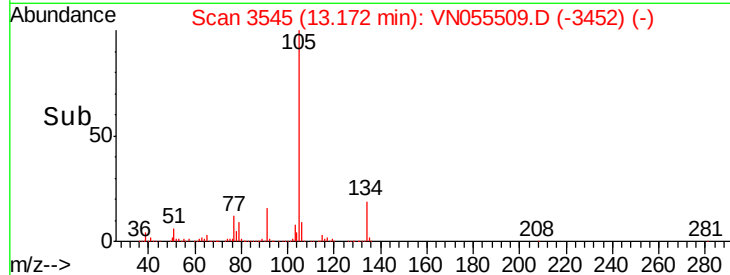
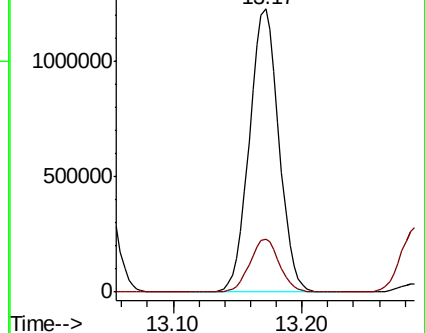
105 100

134 18.8 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: 47.378 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

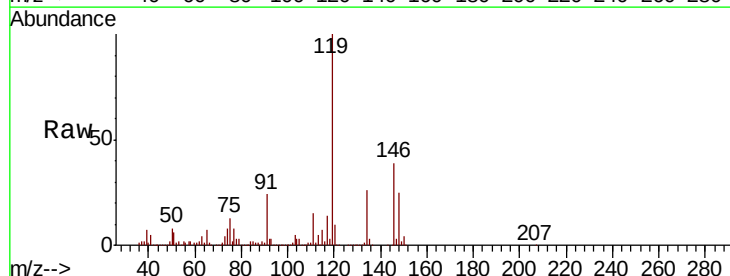
Tgt Ion:119 Resp: 1679735

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

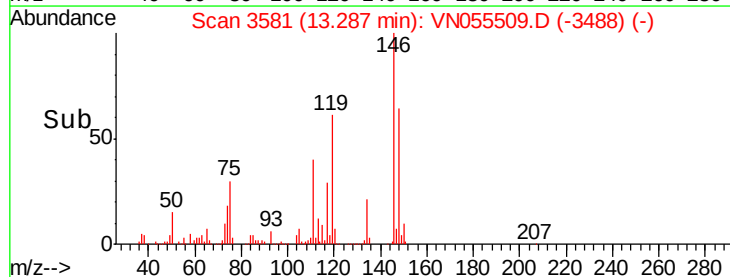
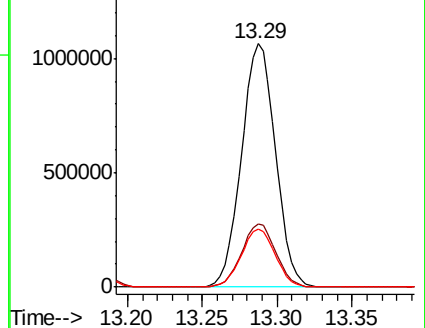
91 23.7 12.0 36.0

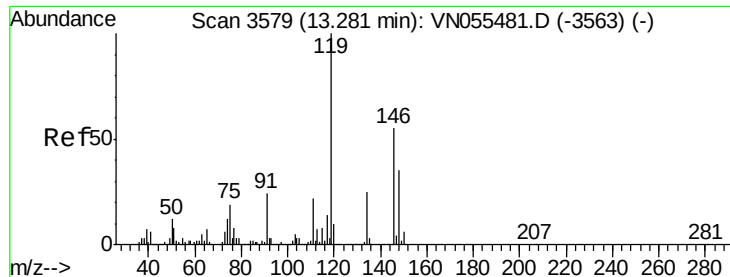


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

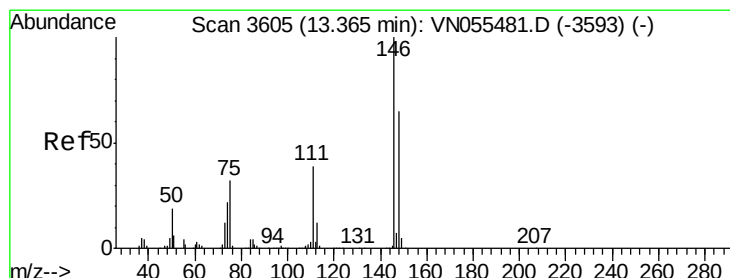
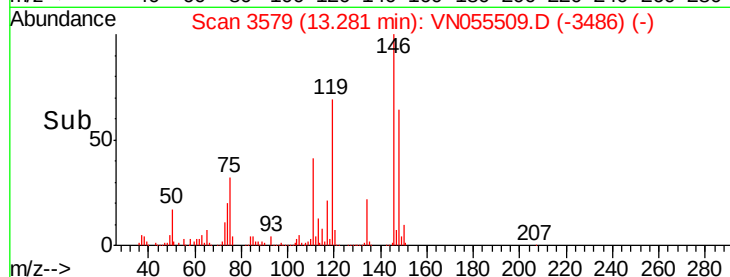
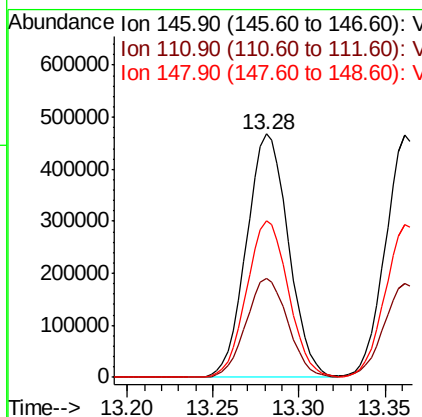
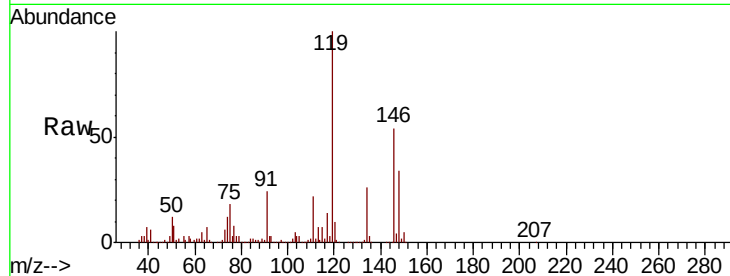




#87
 1,3-Dichlorobenzene
 Concen: 48.771 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

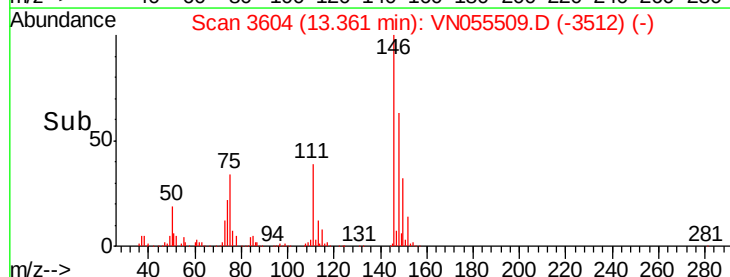
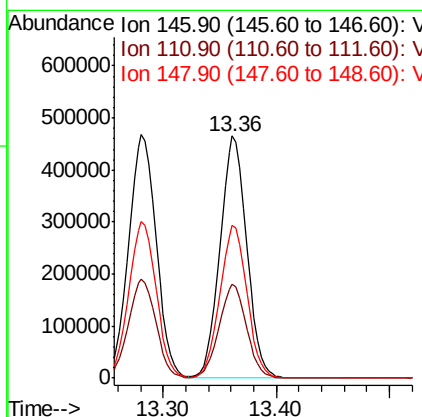
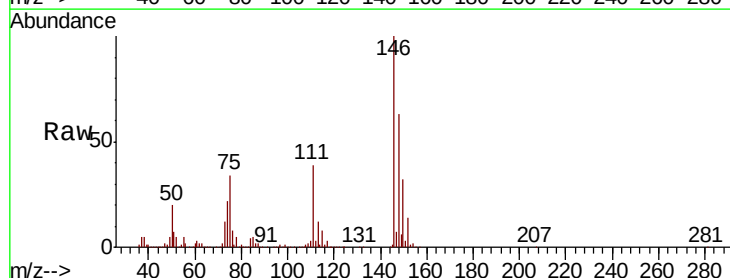
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

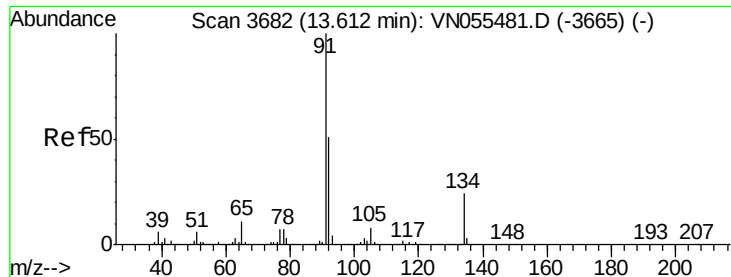
Tot Ion:146 Resp: 794160
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.4 61.3
 148 63.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.591 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion:146 Resp: 764795
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.6 58.8
 148 64.1 32.5 97.4





#89

n-Butylbenzene

Concen: 48.729 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

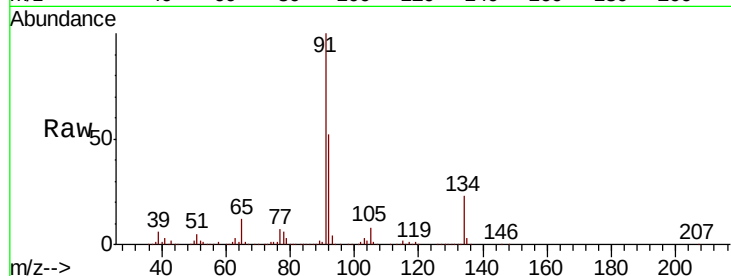
Tot Ion: 91 Resp: 1339135

Ion Ratio Lower Upper

91 100

92 51.5 25.9 77.7

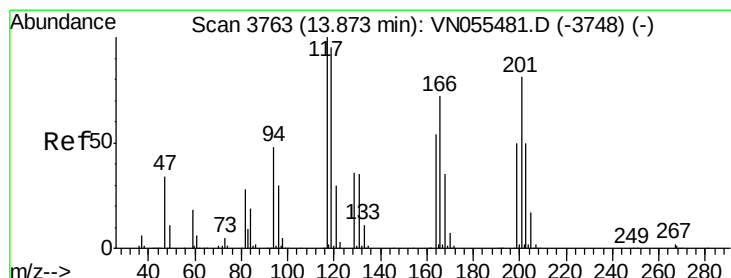
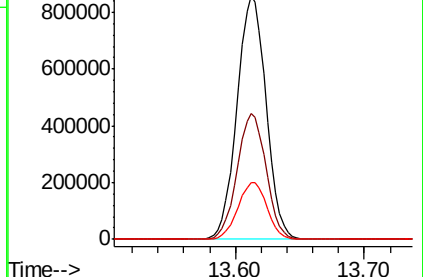
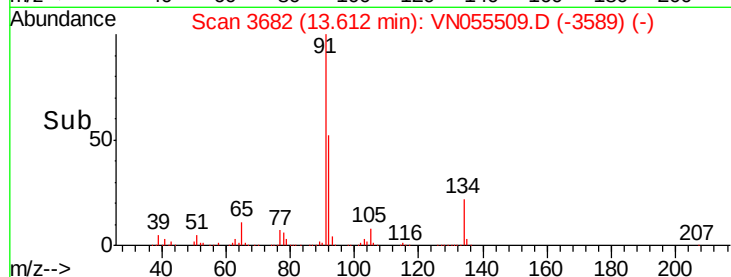
134 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)



#90

Hexachloroethane

Concen: 44.496 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055509.D

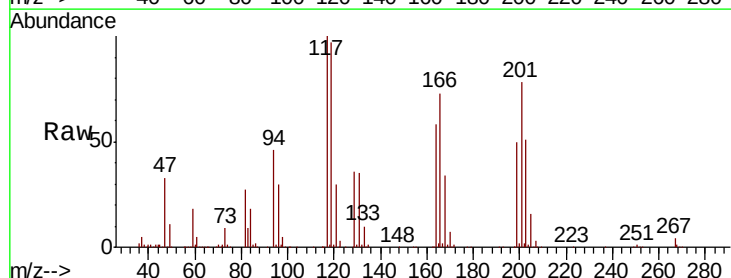
Acq: 9 May 2019 20:14

Tgt Ion: 117 Resp: 257339

Ion Ratio Lower Upper

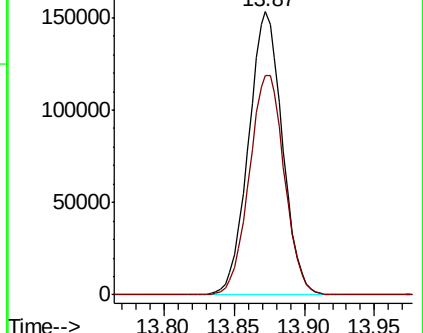
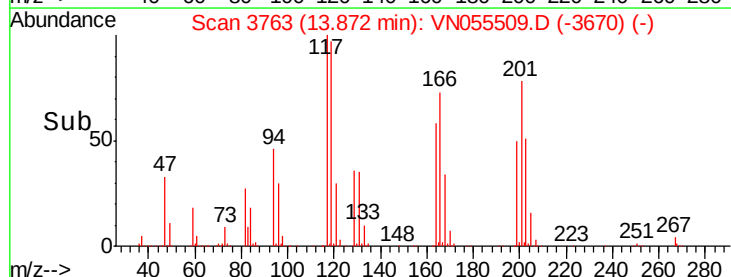
117 100

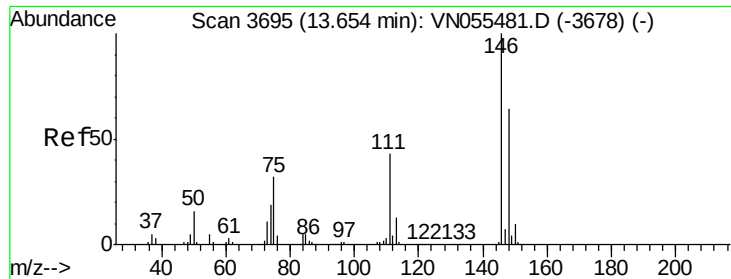
201 80.3 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 47.984 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

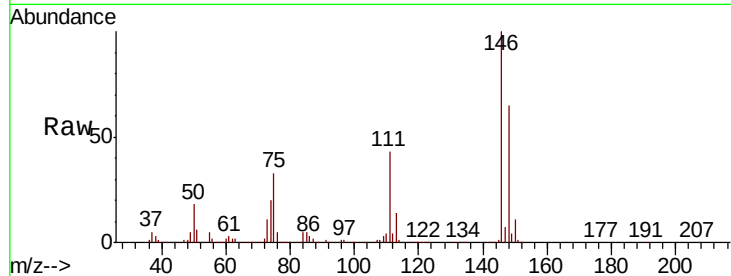
Tot Ion:146 Resp: 780901

Ion Ratio Lower Upper

146 100

111 42.4 21.3 63.7

148 64.4 31.9 95.9

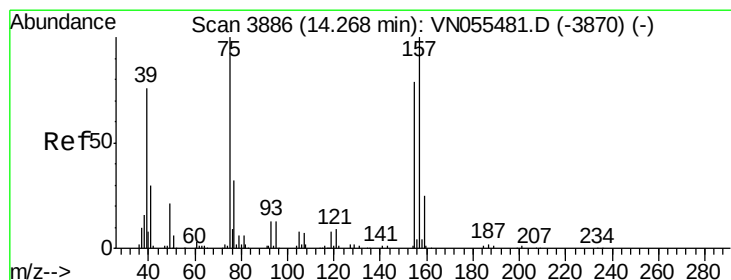
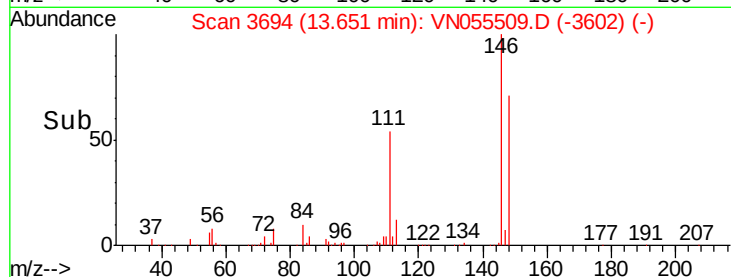
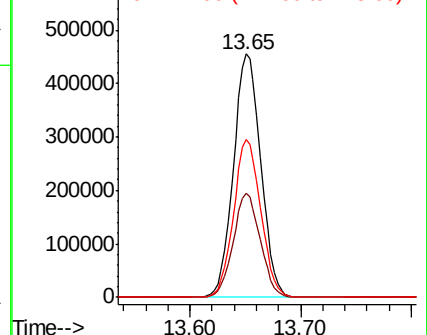


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.234 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

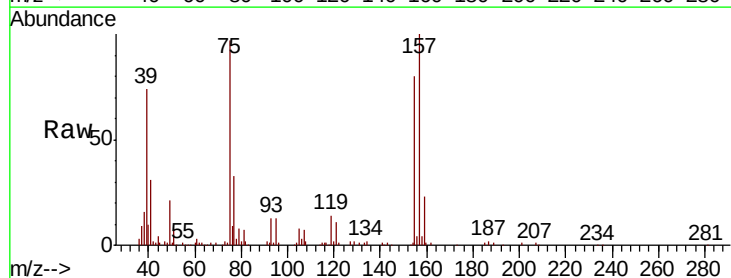
Tgt Ion: 75 Resp: 97264

Ion Ratio Lower Upper

75 100

155 81.9 39.3 117.8

157 102.3 50.6 151.8

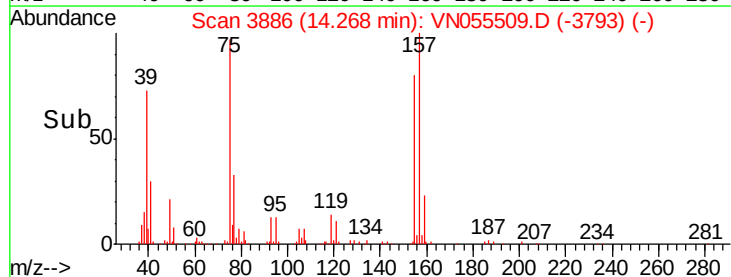
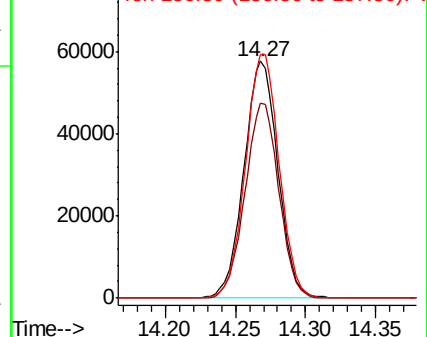


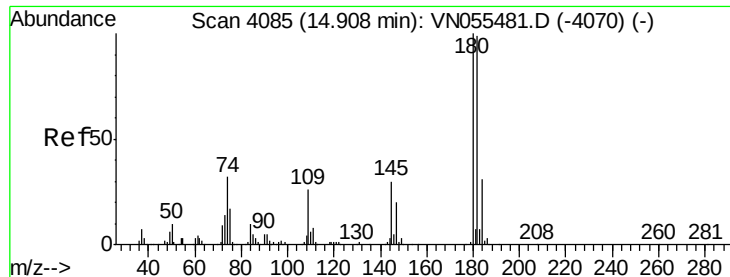
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

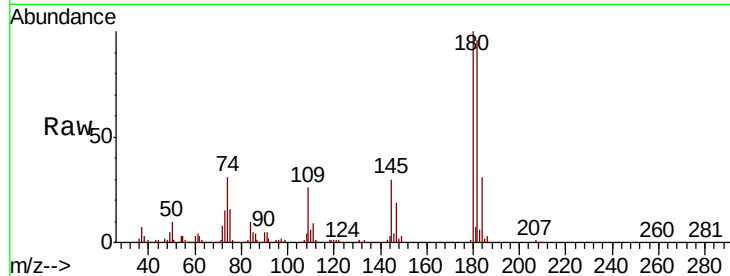




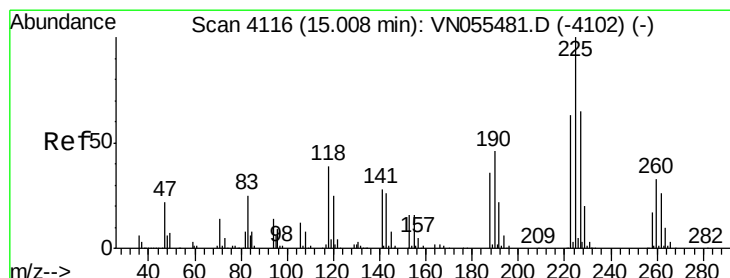
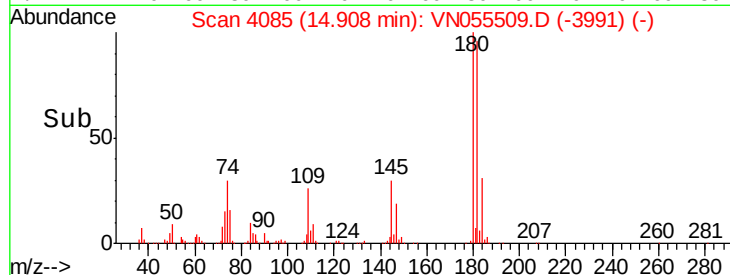
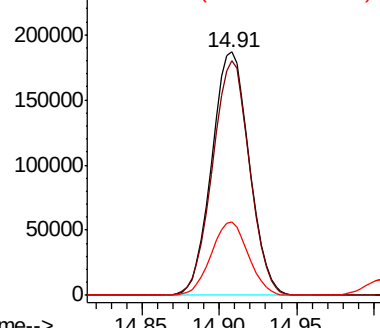
#93
 1,2,4-Trichlorobenzene
 Concen: 44.787 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.7	146.1
145	30.0	15.3	45.9

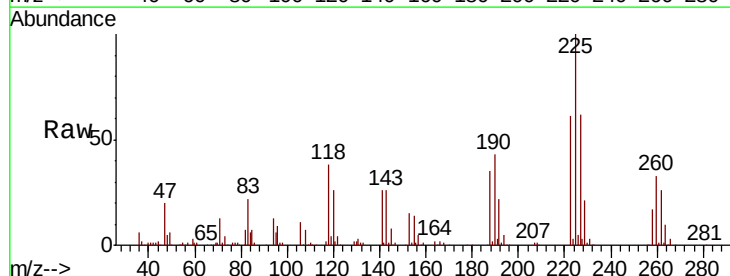


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

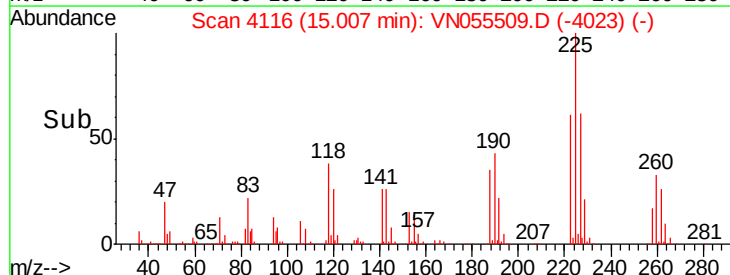
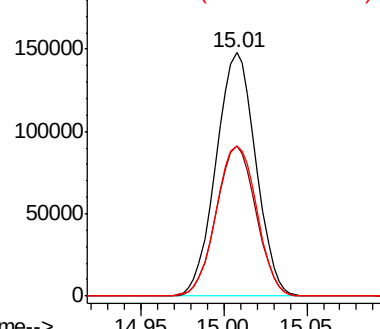


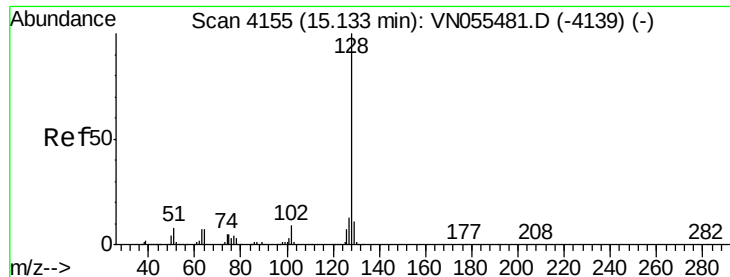
#94
 Hexachlorobutadiene
 Concen: 51.161 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.4	94.3
227	63.4	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

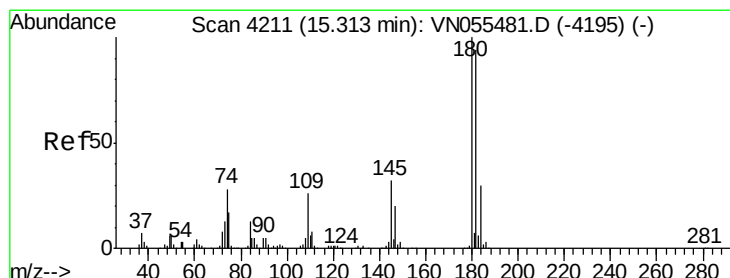
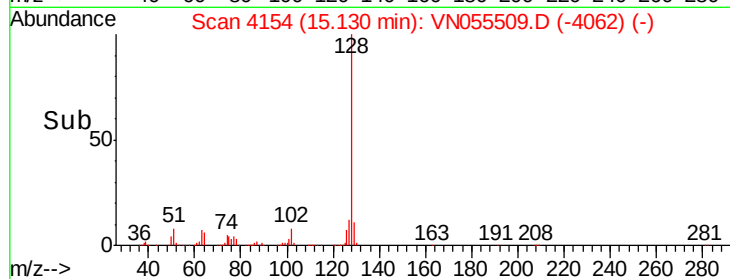
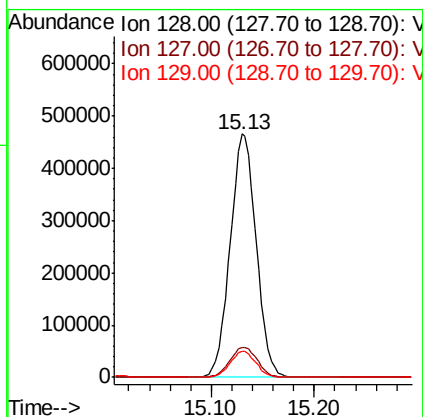
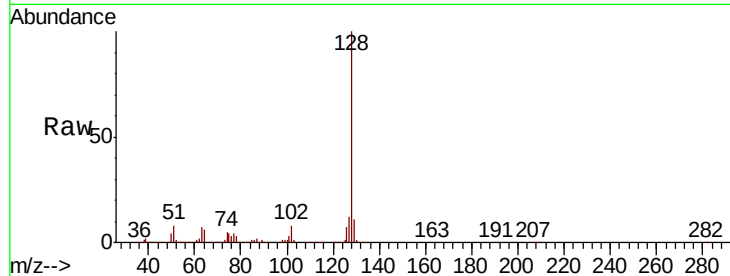




#95
Naphthalene
Concen: 41.612 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 819188
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 44.141 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion:180 Resp: 336414
Ion Ratio Lower Upper
180 100
182 95.9 47.1 141.3
145 32.6 15.8 47.4

