

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050919\
 Data File : VN055490.D
 Acq On : 9 May 2019 12:18
 Operator : JC/SP
 Sample : VN0509MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Quant Time: May 09 13:06:19 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	704096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1199718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1033642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	405911	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	516605	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	7.59	113	390096	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1527784	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	500149	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	137878	19.234	ug/l	100
3) Chloromethane	2.06	50	226949	19.487	ug/l	97
4) Vinyl Chloride	2.19	62	217793	19.811	ug/l	98
5) Bromomethane	2.55	94	126336	20.974	ug/l	99
6) Chloroethane	2.70	64	133599	20.864	ug/l	96
7) Trichlorofluoromethane	3.02	101	245684	20.371	ug/l	98
8) Diethyl Ether	3.41	74	108148	19.967	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152753	19.908	ug/l	98
10) Methyl Iodide	3.95	142	209808	20.230	ug/l	100
11) Tert butyl alcohol	4.81	59	141700	90.526	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	153225	19.911	ug/l	97
13) Acrolein	3.61	56	105547	101.175	ug/l	100
14) Allyl chloride	4.32	41	303790	19.272	ug/l	98
15) Acrylonitrile	5.00	53	474971	97.995	ug/l	100
16) Acetone	3.82	43	455705	92.835	ug/l	99
17) Carbon Disulfide	4.05	76	409821	19.513	ug/l	99
18) Methyl Acetate	4.33	43	201606	18.883	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	496397	19.413	ug/l	98
20) Methylene Chloride	4.55	84	190087	18.938	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	169753	20.346	ug/l	96
22) Diisopropyl ether	5.96	45	639792	19.973	ug/l	93
23) Vinyl Acetate	5.90	43	2429074	98.052	ug/l	99
24) 1,1-Dichloroethane	5.85	63	340319	19.680	ug/l	99
25) 2-Butanone	6.84	43	647495	95.489	ug/l	99
26) 2,2-Dichloropropane	6.83	77	213493	19.805	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	194615	20.183	ug/l	99
28) Bromochloromethane	7.20	49	170668	19.005	ug/l	96
29) Tetrahydrofuran	7.22	42	423122	94.390	ug/l	100
30) Chloroform	7.37	83	321802	20.130	ug/l	98
31) Cyclohexane	7.65	56	333501	19.492	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	242691	19.936	ug/l	98
36) 1,1-Dichloropropene	7.79	75	241732	20.452	ug/l	99
37) Ethyl Acetate	6.93	43	261203	20.259	ug/l	99
38) Carbon Tetrachloride	7.77	117	202491	20.346	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	285044	19.780	ug/l	98
40) Benzene	8.04	78	746894	20.361	ug/l	99
41) Methacrylonitrile	7.18	41	93355	15.601	ug/l #	73
42) 1,2-Dichloroethane	8.12	62	254541	19.751	ug/l	100
43) Isopropyl Acetate	8.17	43	383352	19.571	ug/l	98
44) Trichloroethene	8.83	130	178404	20.440	ug/l	96
45) 1,2-Dichloropropane	9.12	63	209618	19.972	ug/l	98
46) Dibromomethane	9.21	93	123857	20.359	ug/l	99
47) Bromodichloromethane	9.40	83	236575	20.327	ug/l	98
48) Methyl methacrylate	9.20	41	183069	19.398	ug/l	99
49) 1,4-Dioxane	9.20	88	71348	387.893	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1247144	96.810	ug/l	100
52) Toluene	10.16	92	431426	20.572	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	227534	20.356	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	271611	20.335	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173749	20.449	ug/l	99
56) Ethyl methacrylate	10.43	69	243853	19.295	ug/l	99
57) 1,3-Dichloropropane	10.71	76	305738	20.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	328023	85.753	ug/l	98
59) 2-Hexanone	10.75	43	866254	95.884	ug/l	100
60) Dibromochloromethane	10.90	129	158115	20.467	ug/l	99
61) 1,2-Dibromoethane	11.00	107	163999	20.089	ug/l	98
64) Tetrachloroethene	10.63	164	175155	20.680	ug/l	97
65) Chlorobenzene	11.43	112	437501	20.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	150944	20.618	ug/l	99
67) Ethyl Benzene	11.51	91	809853	20.277	ug/l	100
68) m/p-Xylenes	11.62	106	591465	41.265	ug/l	99
69) o-Xylene	11.95	106	292724	20.778	ug/l	100
70) Styrene	11.96	104	470234	20.834	ug/l	100
71) Bromoform	12.13	173	101743	20.594	ug/l #	100
73) Isopropylbenzene	12.25	105	773632	21.696	ug/l	100
74) N-amyl acetate	12.07	43	282431	18.327	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	239611	20.579	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	289691	26.216	ug/l #	100
77) Bromobenzene	12.53	156	174163	19.469	ug/l	97
78) n-propylbenzene	12.59	91	868512	19.949	ug/l	99
79) 2-Chlorotoluene	12.67	91	529643	19.521	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	647199	19.937	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55571	18.556	ug/l	92
82) 4-Chlorotoluene	12.77	91	501334	19.555	ug/l	100
83) tert-Butylbenzene	12.99	119	540688	19.431	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	595021	19.986	ug/l	100
85) sec-Butylbenzene	13.17	105	724995	19.605	ug/l	99
86) p-Isopropyltoluene	13.29	119	598667	19.892	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279825	20.244	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271256	19.885	ug/l	99
89) n-Butylbenzene	13.61	91	444590	19.058	ug/l	99
90) Hexachloroethane	13.87	117	96175	19.590	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	284813	20.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32294	17.301	ug/l	95

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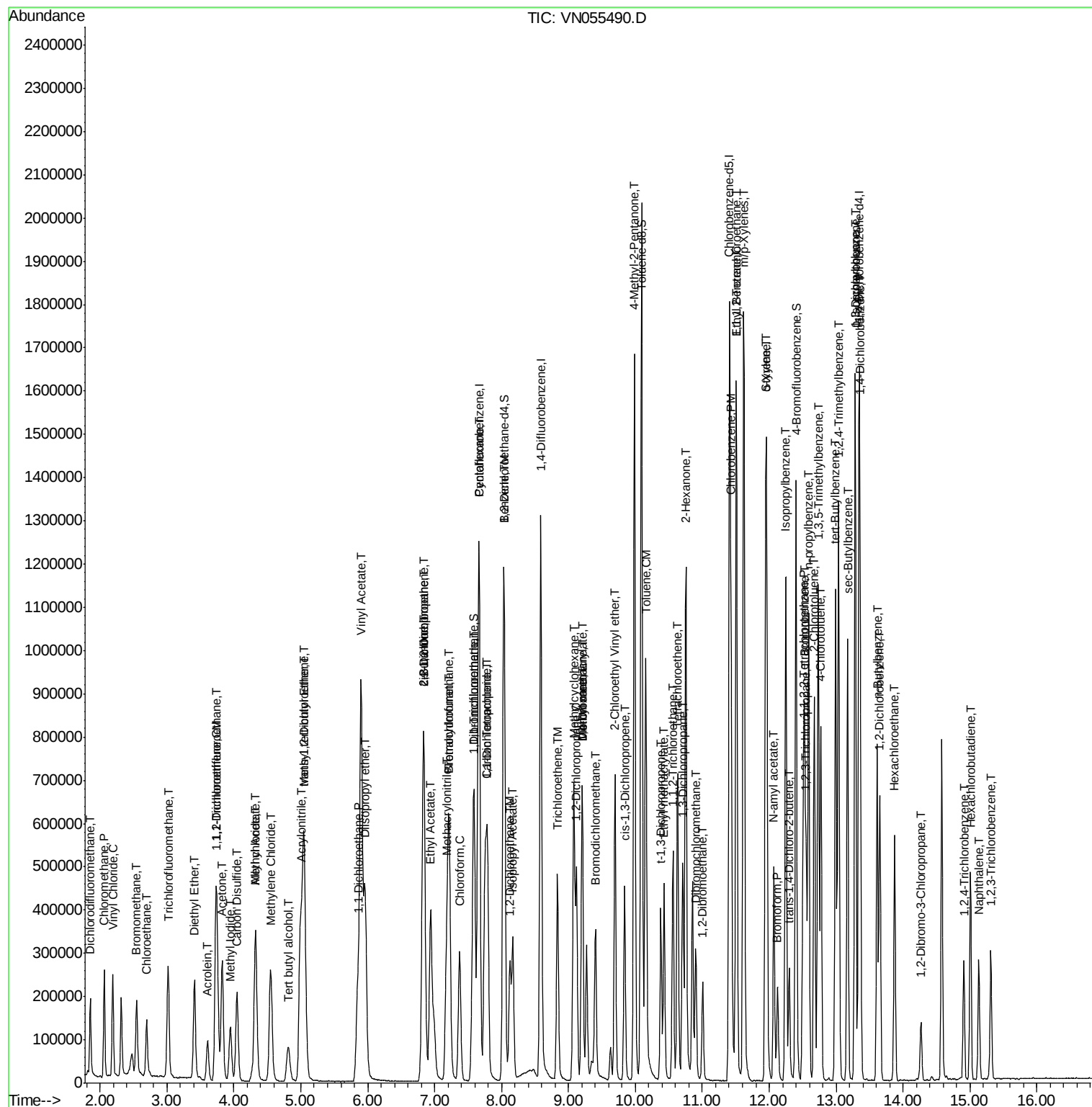
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	87000	16.741	ug/l	98
94) Hexachlorobutadiene	15.01	225	93202	21.468	ug/l	100
95) Naphthalene	15.13	128	236608	16.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	98803	16.856	ug/l	99

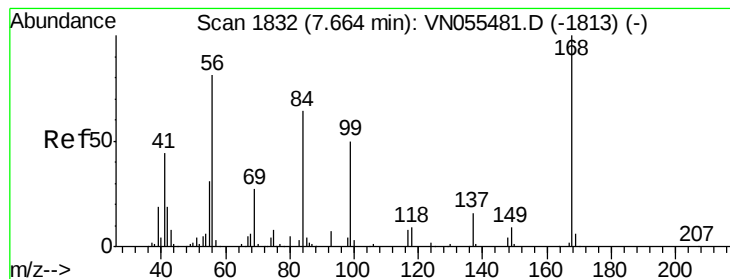
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

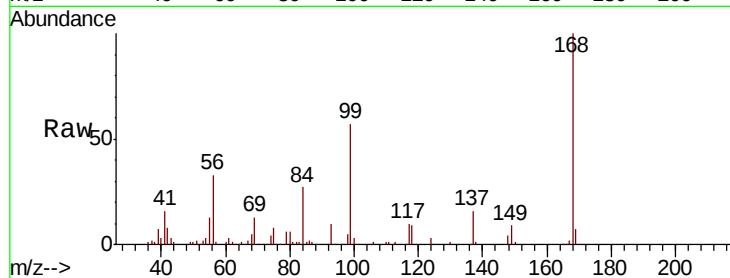
VN0509MBS01

Tgt Ion:168 Resp: 704096

Ion Ratio Lower Upper

168 100

99 56.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055481.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055481.D (-1813) (-)

7.67

300000

250000

200000

150000

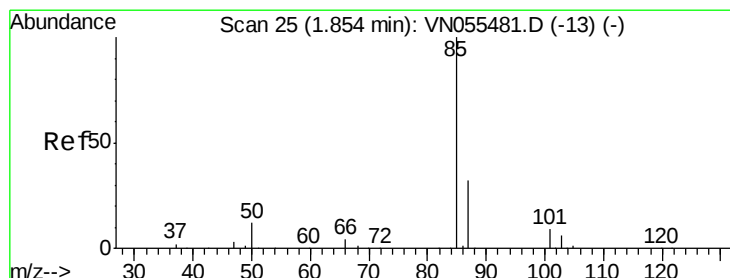
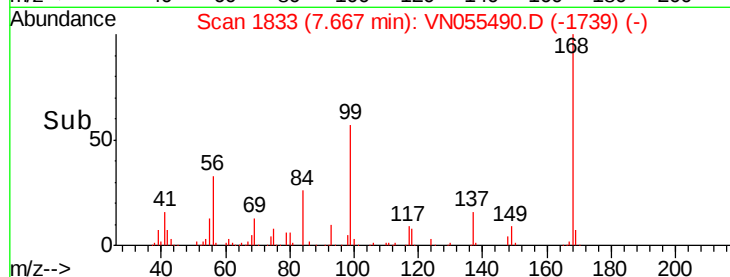
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.234 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055490.D

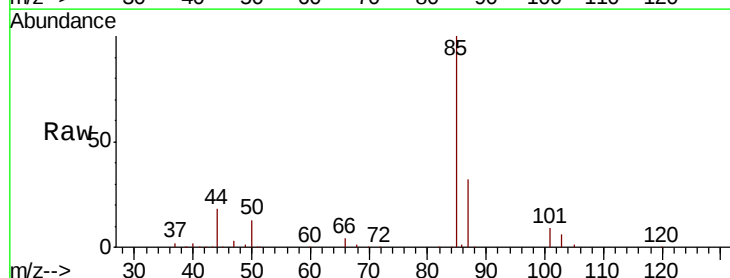
Acq: 9 May 2019 12:18

Tgt Ion: 85 Resp: 137878

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN055481.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055481.D (-13) (-)

1.85

100000

80000

60000

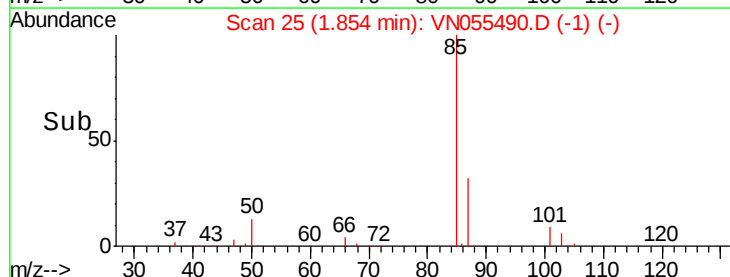
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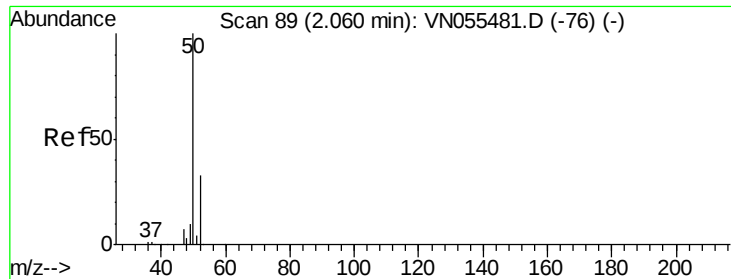
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.487 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

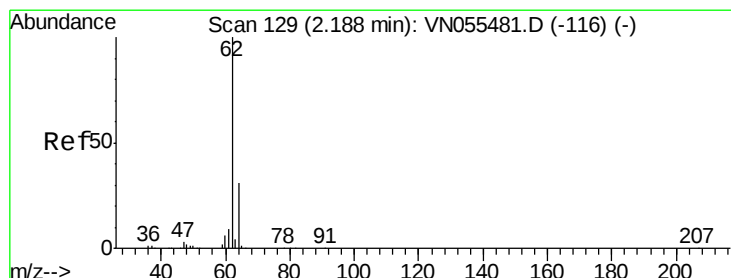
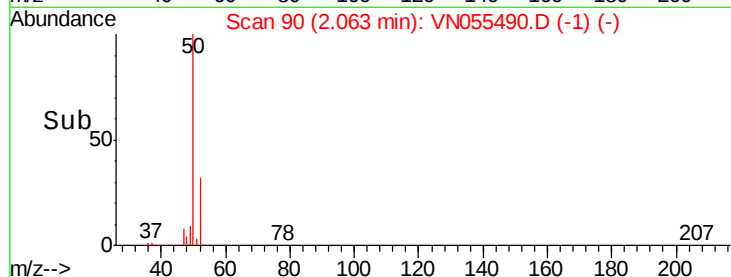
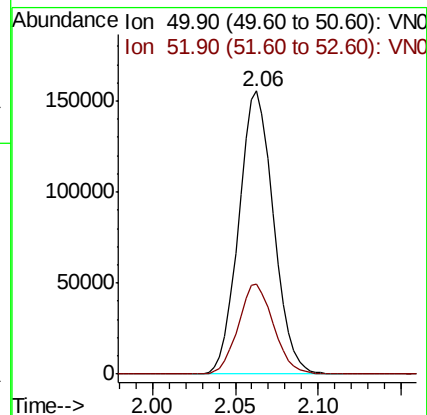
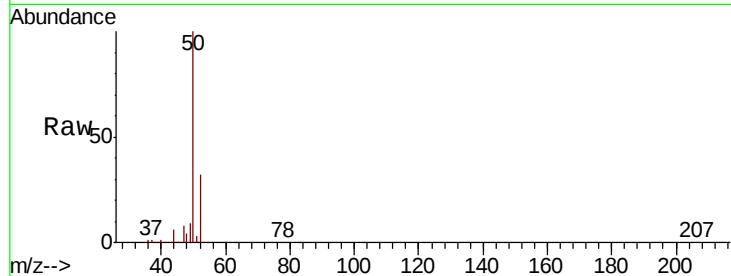
VN0509MBS01

Tgt Ion: 50 Resp: 226949

Ion Ratio Lower Upper

50 100

52 31.8 26.6 39.8



#4

Vinyl Chloride

Concen: 19.811 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055490.D

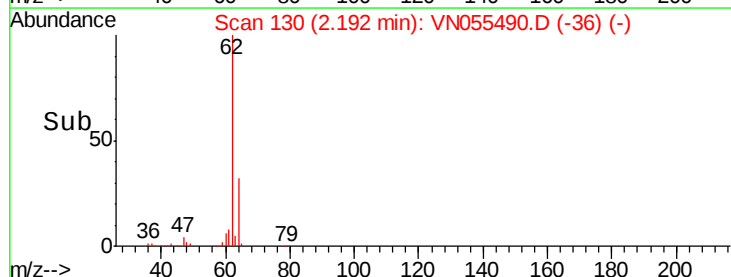
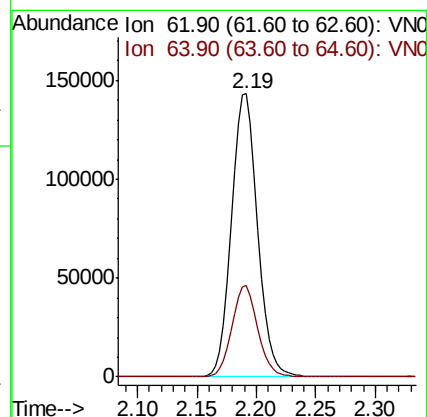
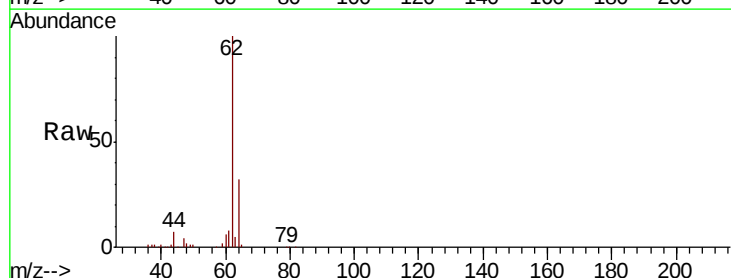
Acq: 9 May 2019 12:18

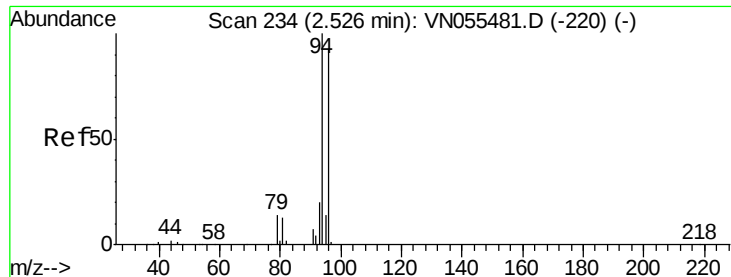
Tgt Ion: 62 Resp: 217793

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 20.974 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

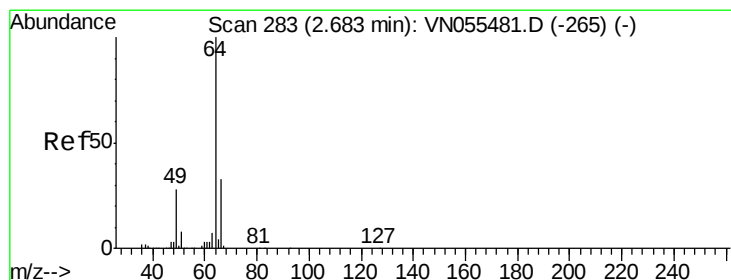
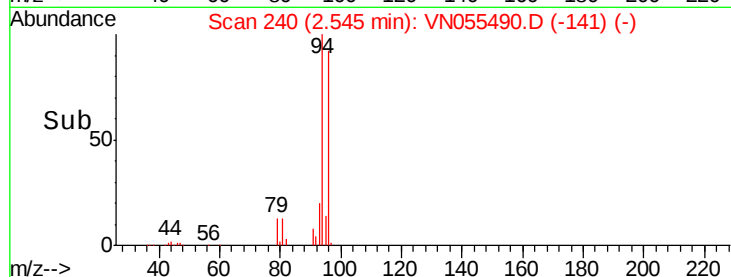
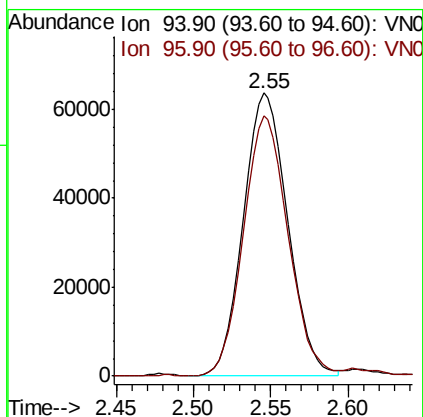
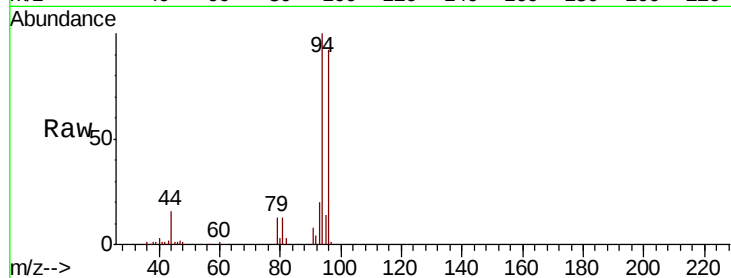
VN0509MBS01

Tgt Ion: 94 Resp: 126336

Ion Ratio Lower Upper

94 100

96 92.2 74.8 112.2



#6

Chloroethane

Concen: 20.864 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN055490.D

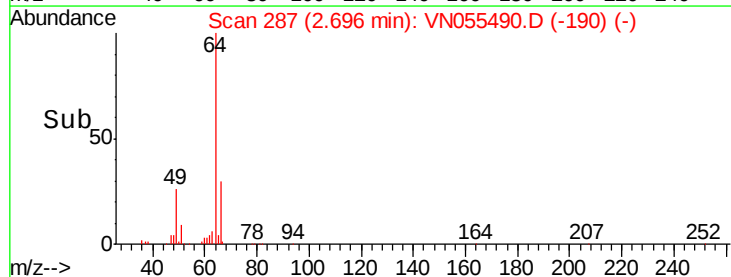
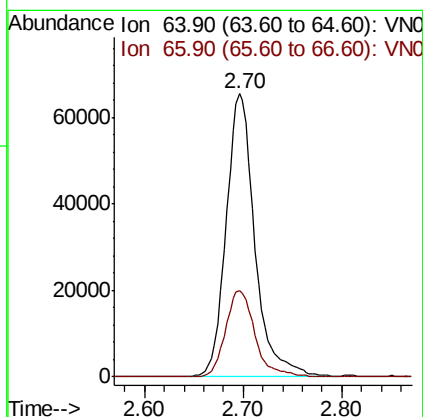
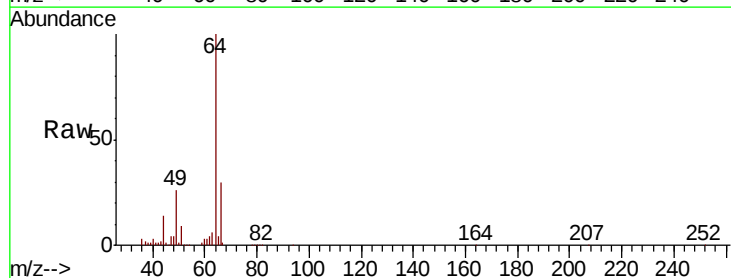
Acq: 9 May 2019 12:18

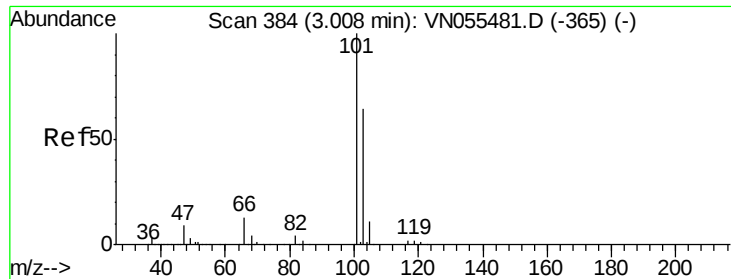
Tgt Ion: 64 Resp: 133599

Ion Ratio Lower Upper

64 100

66 30.4 26.2 39.2



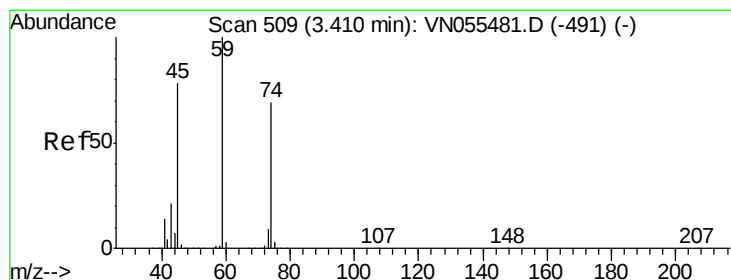
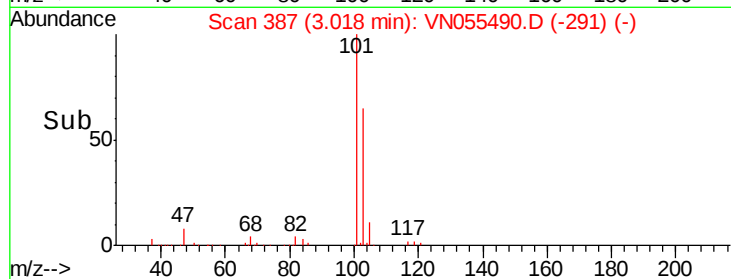
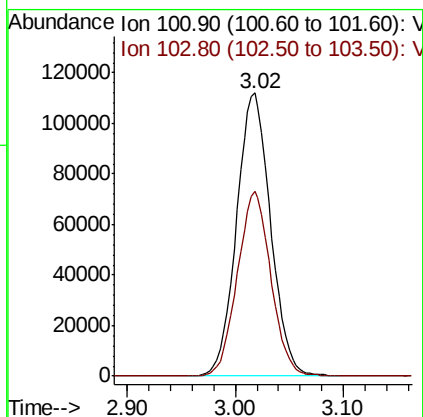
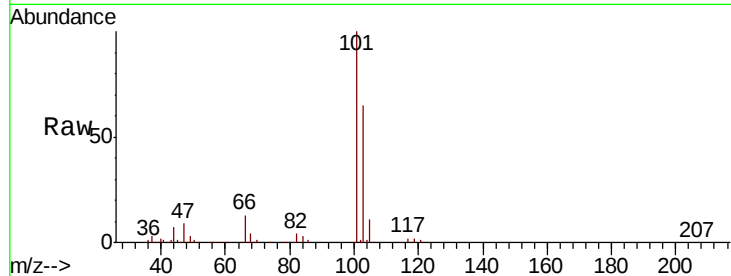


#7

Trichlorofluoromethane
 Concen: 20.371 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
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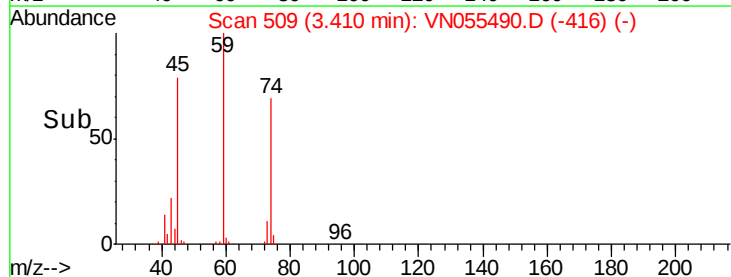
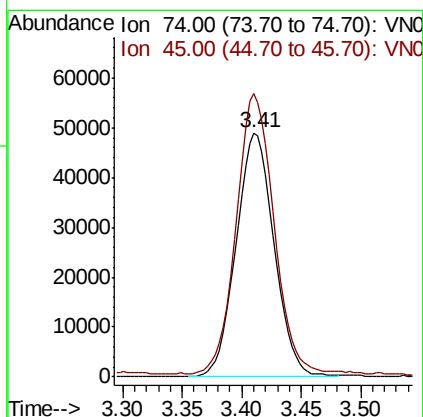
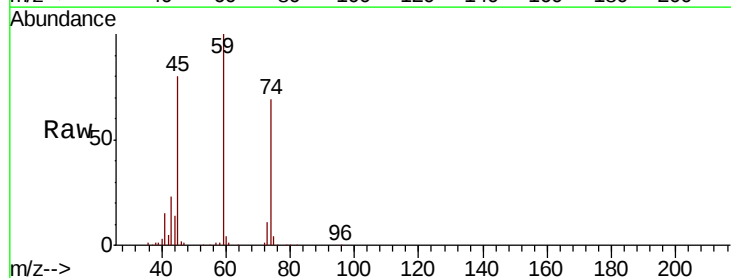
Tgt Ion:101 Resp: 245684
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8

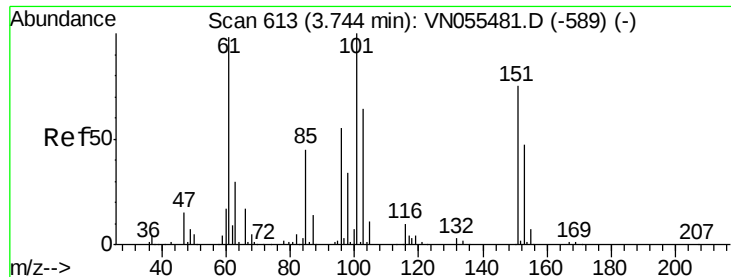


#8

Diethyl Ether
 Concen: 19.967 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 74 Resp: 108148
 Ion Ratio Lower Upper
 74 100
 45 114.1 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.908 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

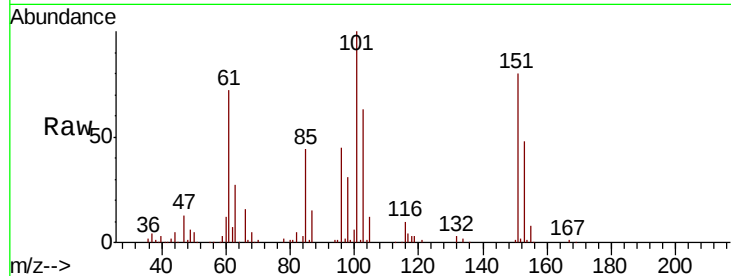
Tgt Ion:101 Resp: 152753

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

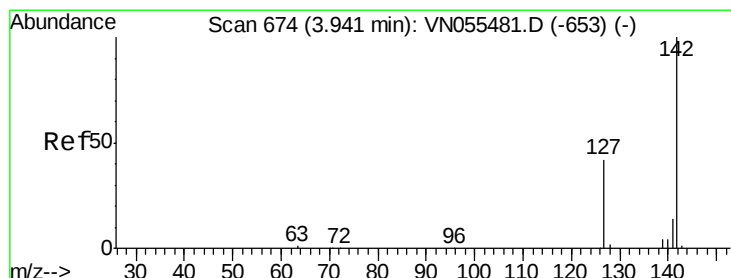
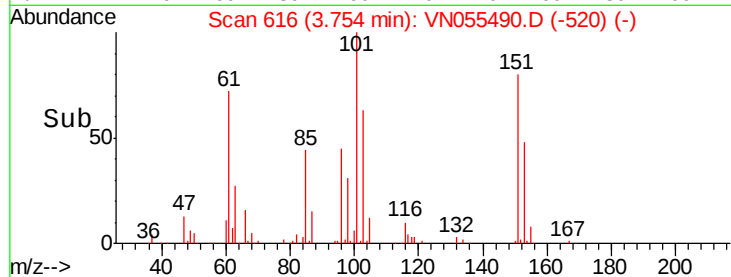
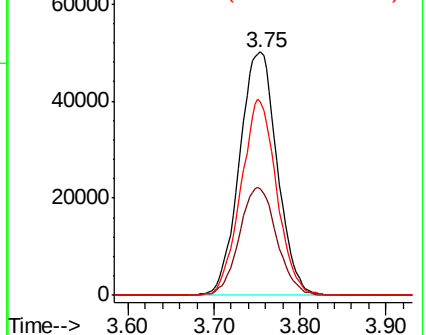
151 76.3 59.2 88.8



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: 20.230 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

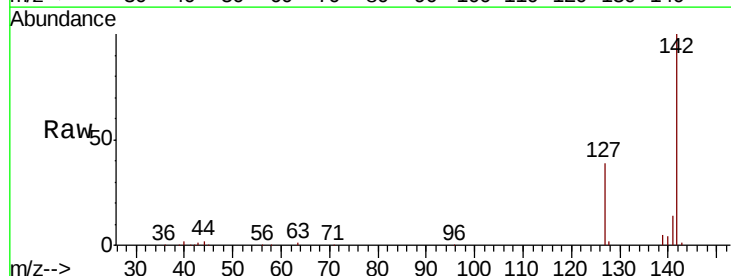
Tgt Ion:142 Resp: 209808

Ion Ratio Lower Upper

142 100

127 41.3 33.0 49.4

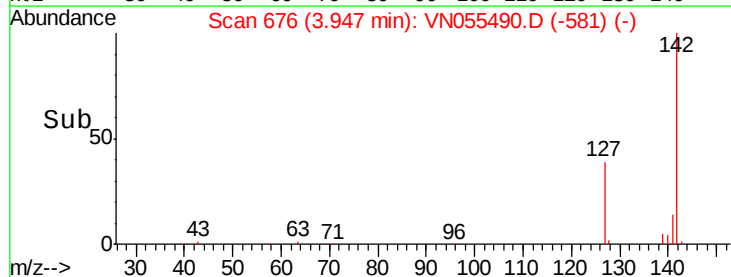
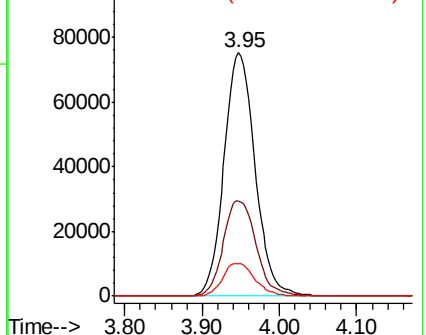
141 13.9 11.4 17.0

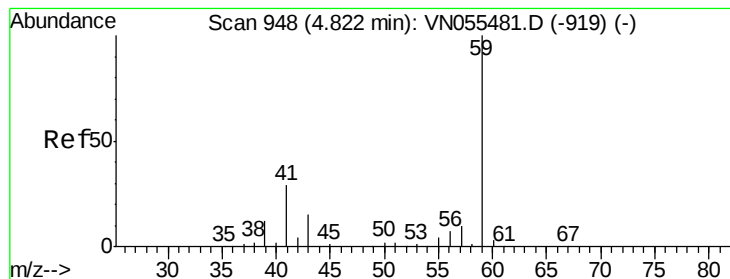


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.526 ug/l

RT: 4.81 min Scan# 945

Delta R.T. -0.01 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

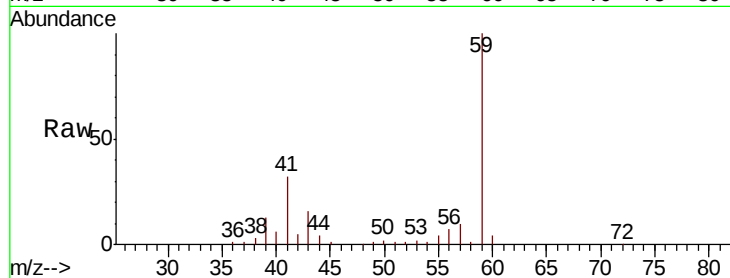
VN0509MBS01

Tgt Ion: 59 Resp: 141700

Ion Ratio Lower Upper

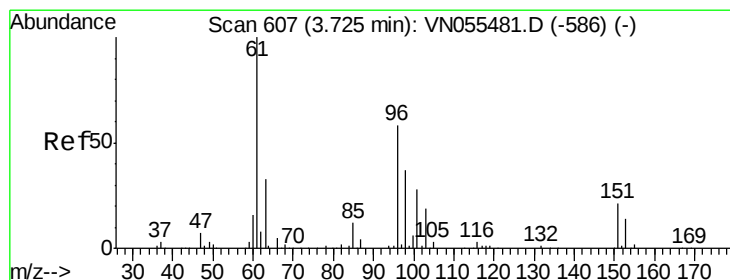
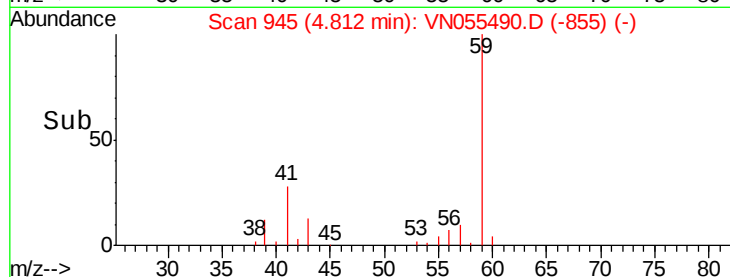
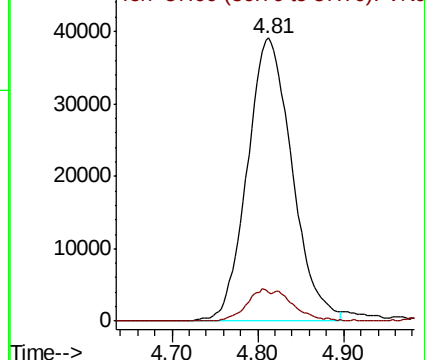
59 100

57 5.9 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.911 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

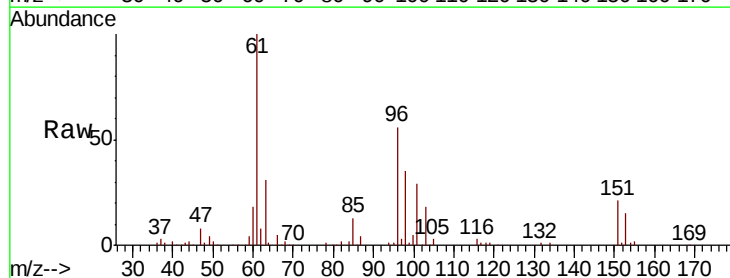
Tgt Ion: 96 Resp: 153225

Ion Ratio Lower Upper

96 100

61 179.6 138.7 208.1

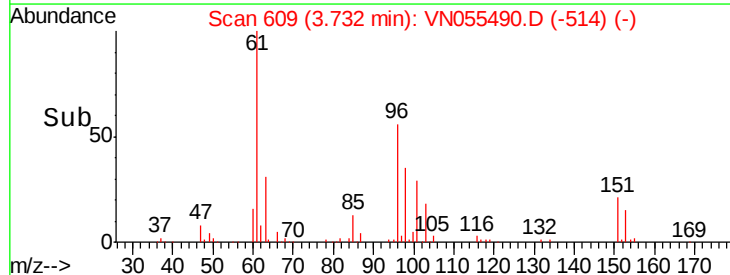
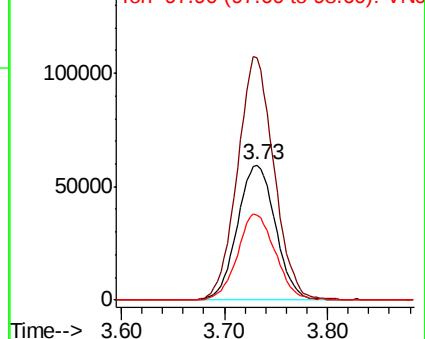
98 63.2 50.6 76.0

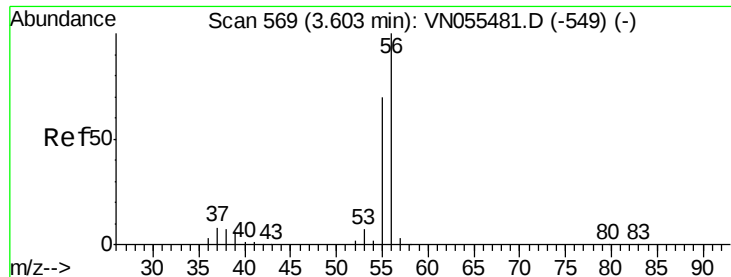


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 101.175 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

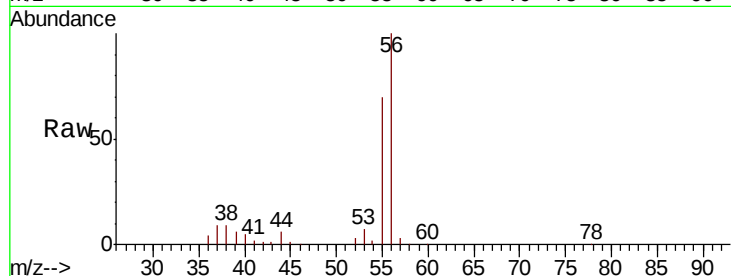
VN0509MBS01

Tgt Ion: 56 Resp: 105547

Ion Ratio Lower Upper

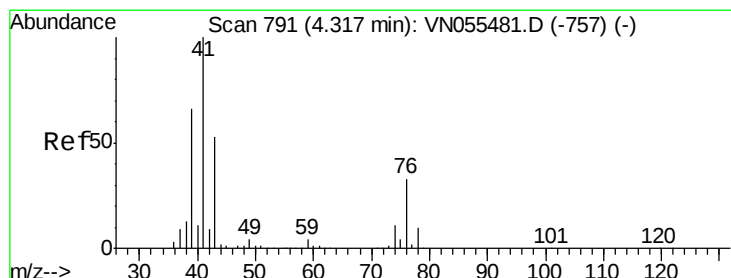
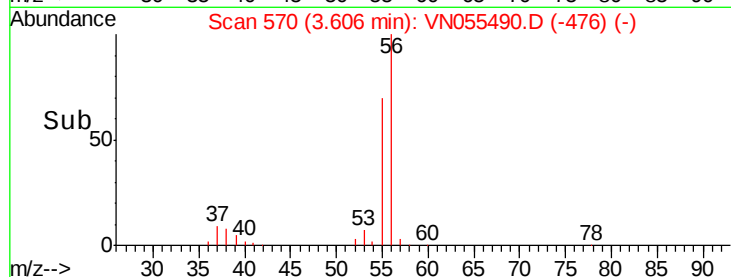
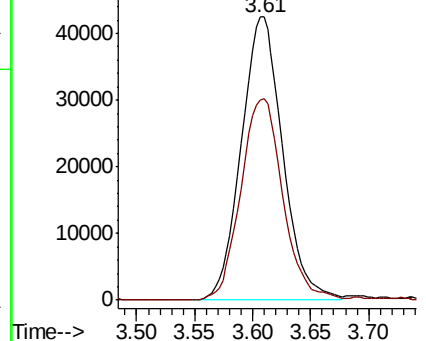
56 100

55 72.0 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.272 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

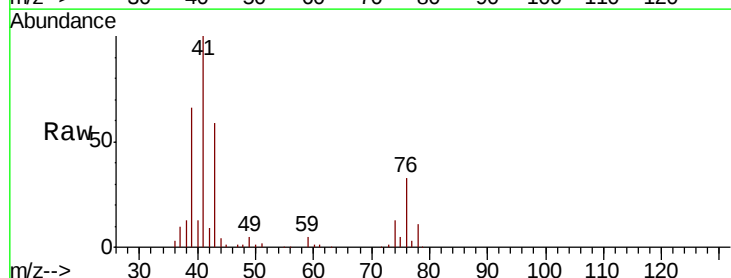
Tgt Ion: 41 Resp: 303790

Ion Ratio Lower Upper

41 100

39 63.6 49.8 74.8

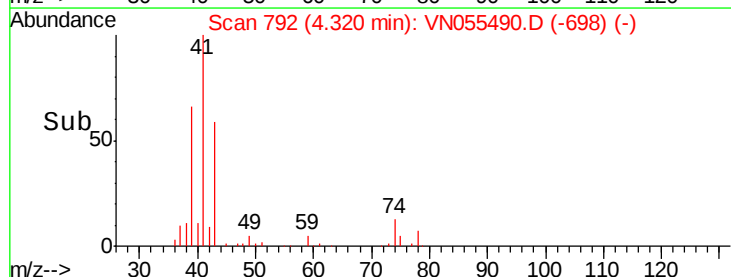
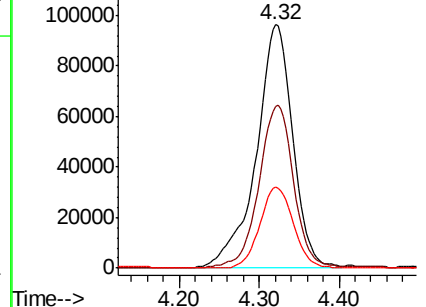
76 30.5 23.5 35.3

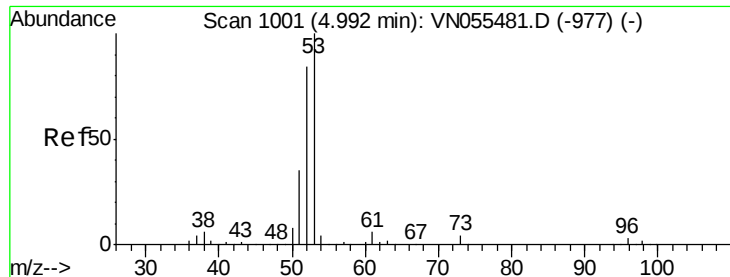


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

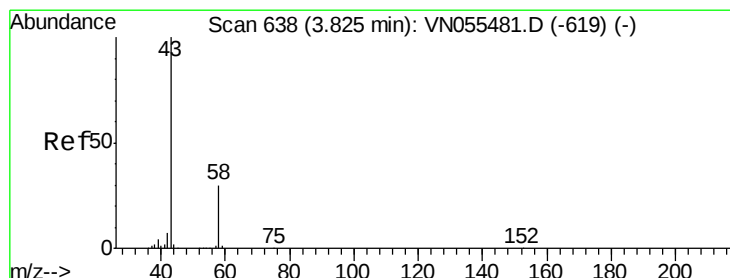
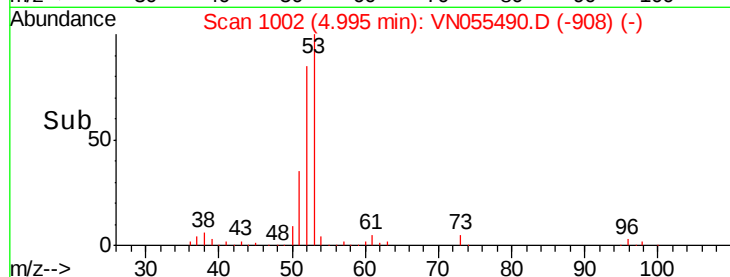
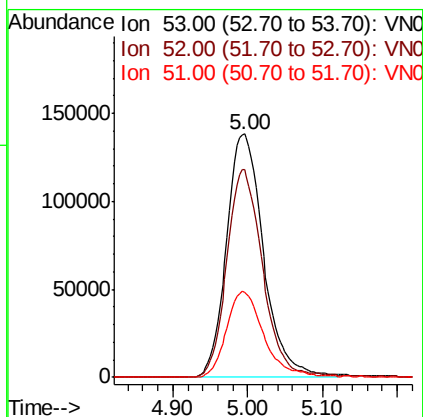
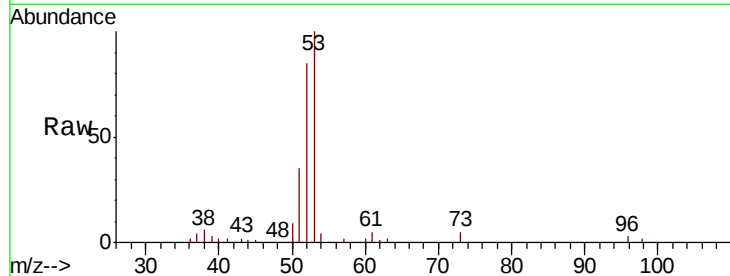




#15
Acrylonitrile
Concen: 97.995 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

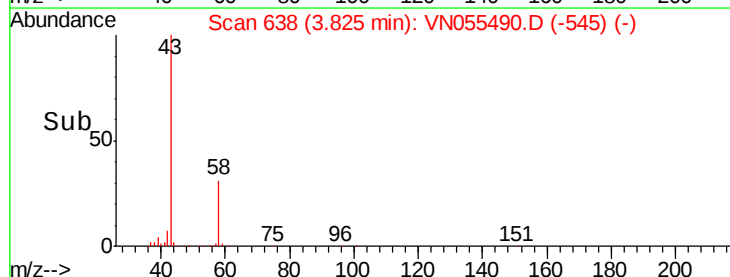
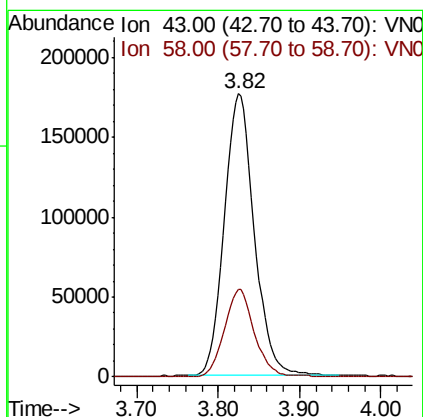
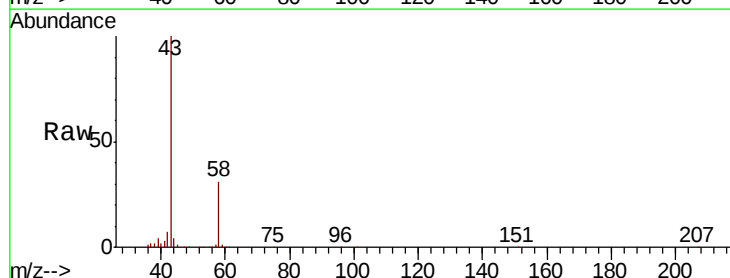
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

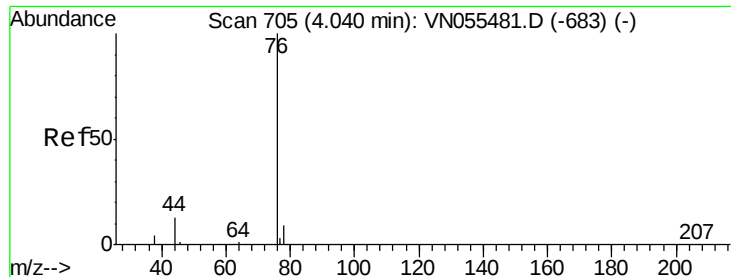
Tgt Ion: 53 Resp: 474971
Ion Ratio Lower Upper
53 100
52 82.5 66.1 99.1
51 35.8 28.3 42.5



#16
Acetone
Concen: 92.835 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 43 Resp: 455705
Ion Ratio Lower Upper
43 100
58 31.0 24.2 36.2

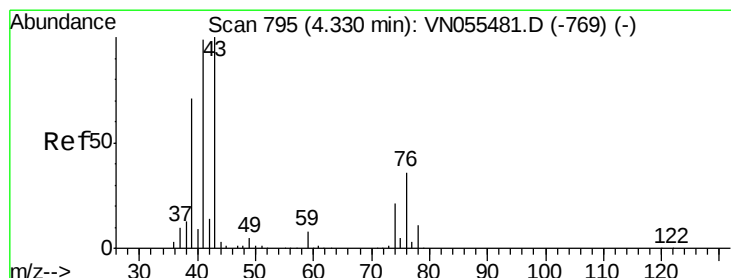
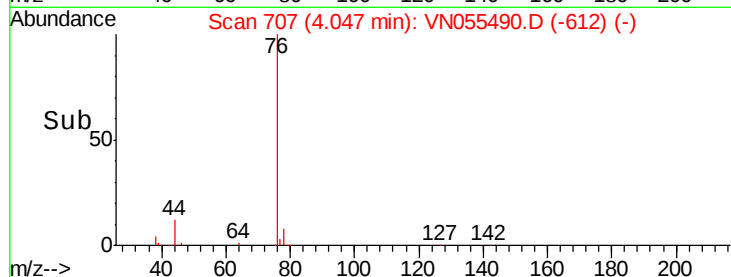
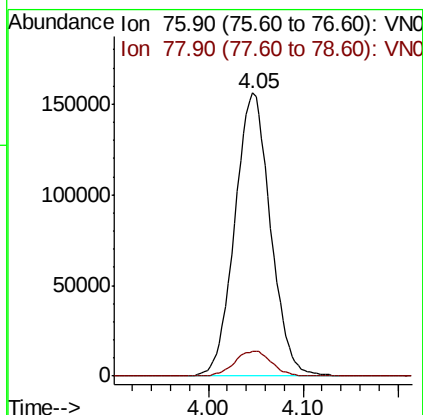
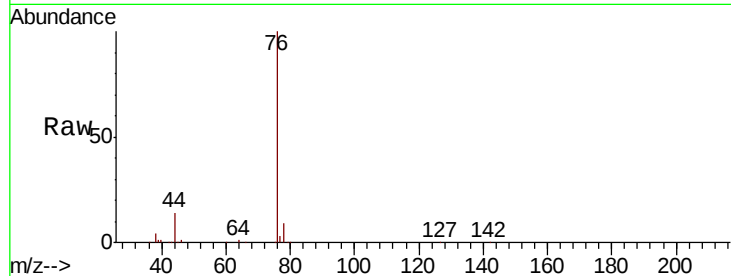




#17
Carbon Disulfide
Concen: 19.513 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

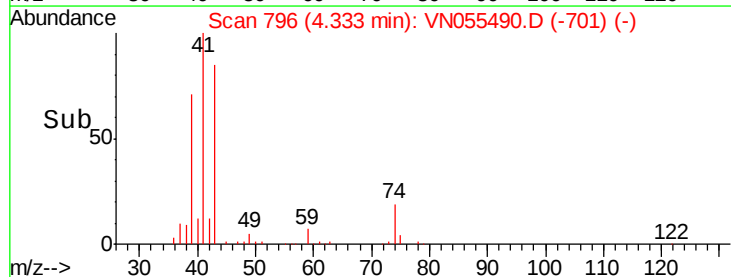
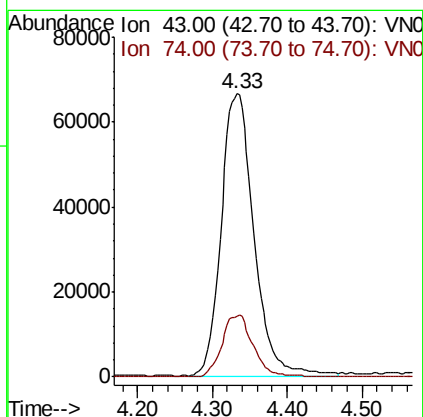
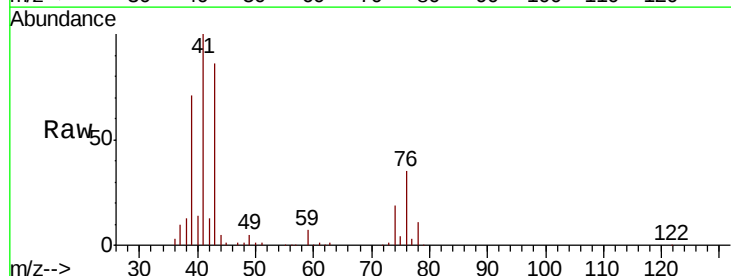
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

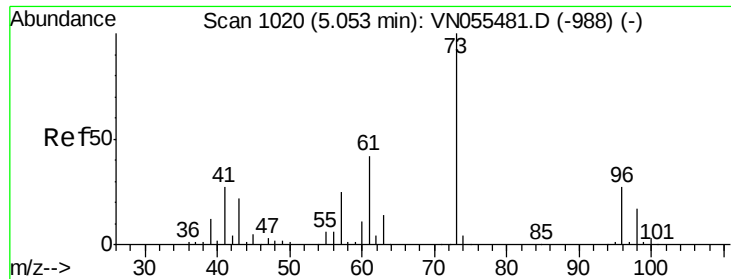
Tgt Ion: 76 Resp: 409821
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 18.883 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 43 Resp: 201606
Ion Ratio Lower Upper
43 100
74 20.9 16.3 24.5

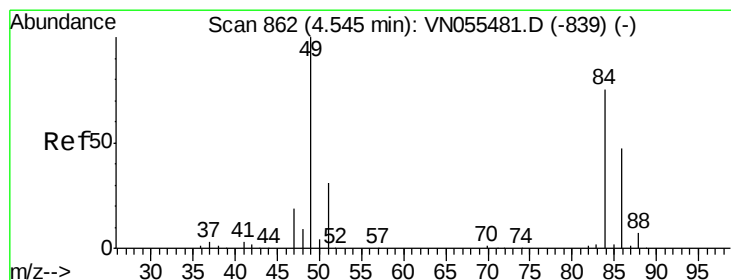
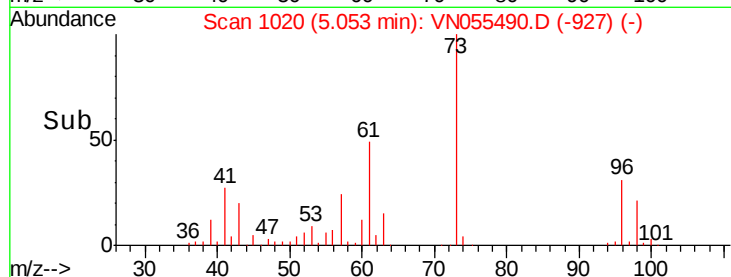
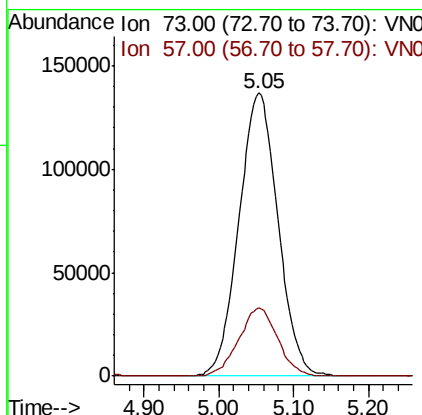
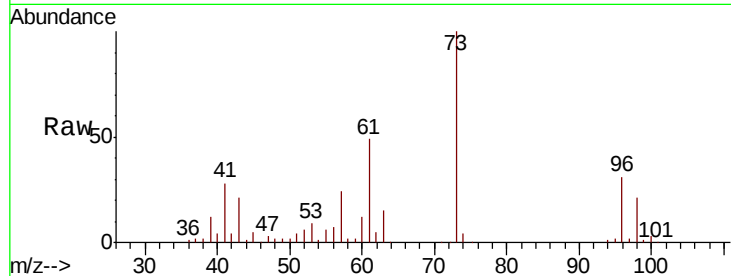




#19
Methyl tert-butyl Ether
Concen: 19.413 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

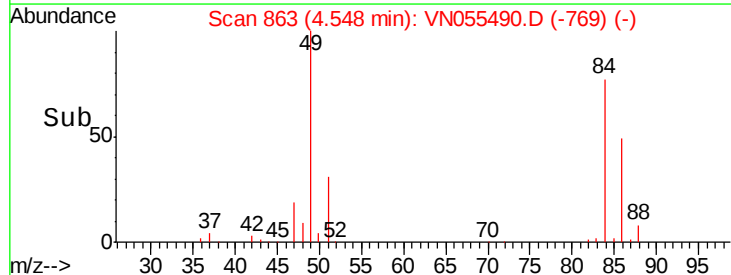
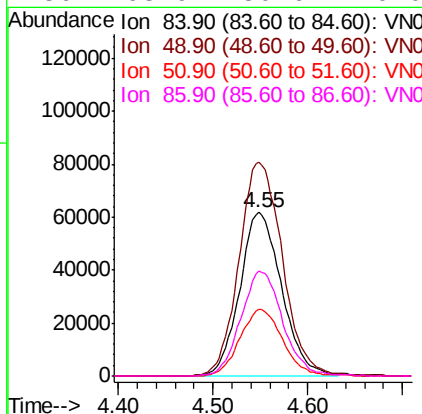
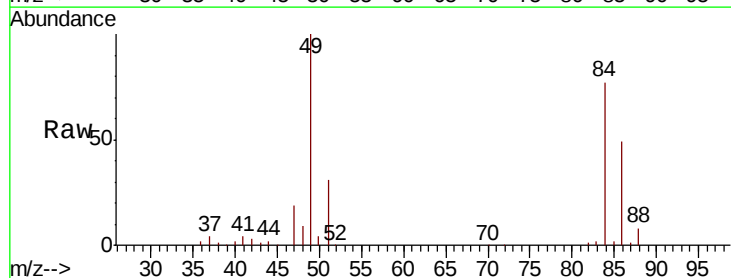
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

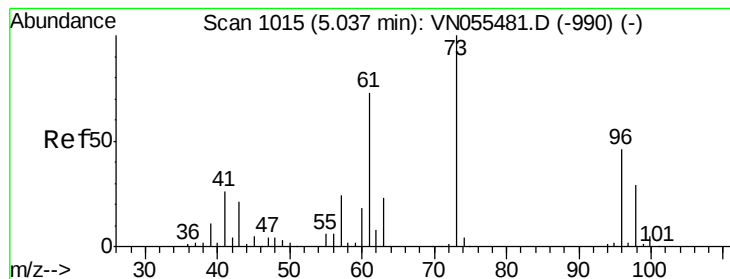
Tgt Ion: 73 Resp: 496397
Ion Ratio Lower Upper
73 100
57 24.0 20.0 30.0



#20
Methylene Chloride
Concen: 18.938 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 84 Resp: 190087
Ion Ratio Lower Upper
84 100
49 130.6 107.0 160.6
51 41.1 33.0 49.4
86 63.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.346 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0509MBS01

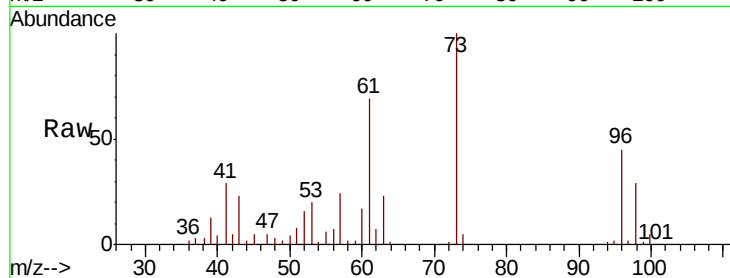
Tgt Ion: 96 Resp: 169753

Ion Ratio Lower Upper

96 100

61 152.5 127.4 191.0

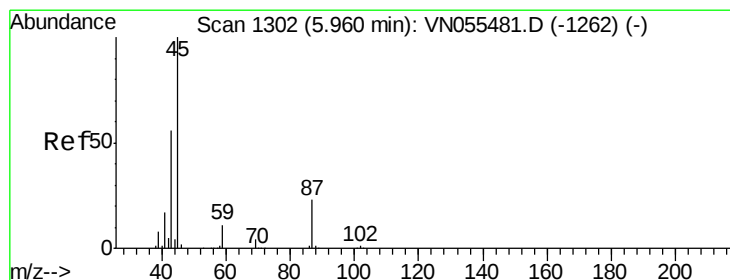
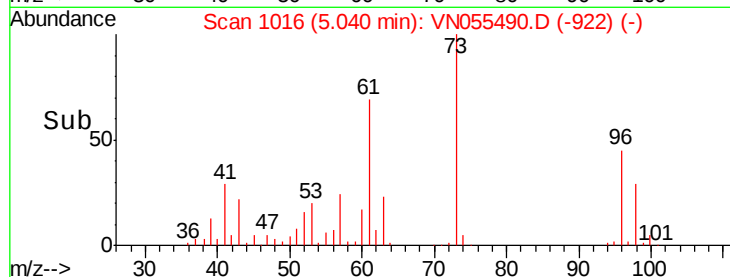
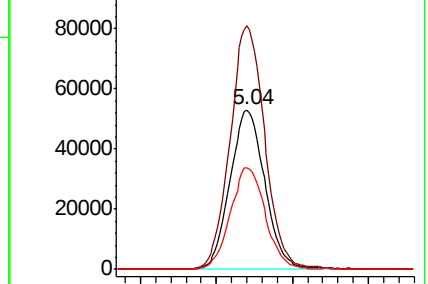
98 63.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN055490.D (-1209) (-)

Ion 60.90 (60.60 to 61.60): VN055490.D (-1209) (-)

Ion 97.90 (97.60 to 98.60): VN055490.D (-1209) (-)



#22

Diisopropyl ether

Concen: 19.973 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion: 45 Resp: 639792

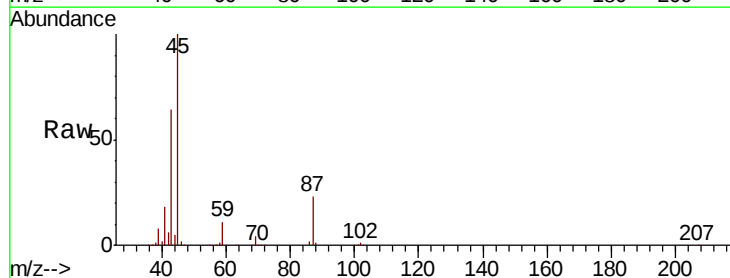
Ion Ratio Lower Upper

45 100

43 62.8 44.6 66.8

87 22.4 18.6 28.0

59 10.9 8.6 12.8

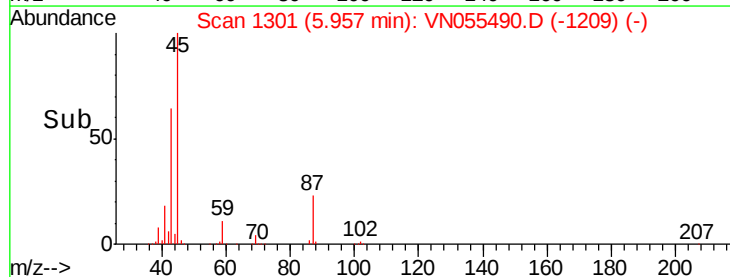
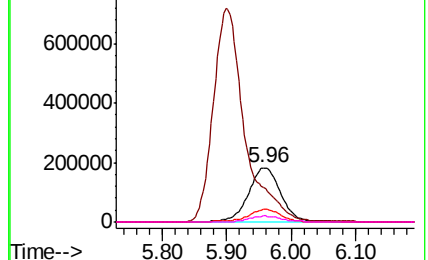


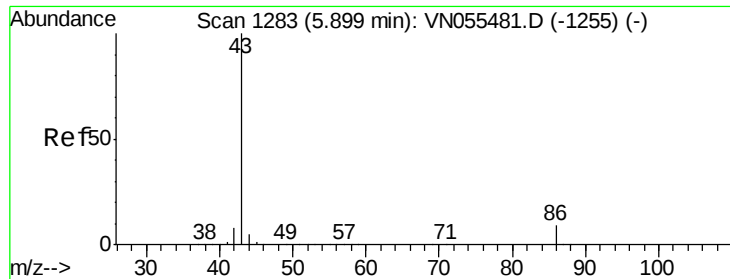
Abundance Ion 45.00 (44.70 to 45.70): VN055490.D (-1209) (-)

Ion 43.00 (42.70 to 43.70): VN055490.D (-1209) (-)

Ion 87.00 (86.70 to 87.70): VN055490.D (-1209) (-)

Ion 59.00 (58.70 to 59.70): VN055490.D (-1209) (-)

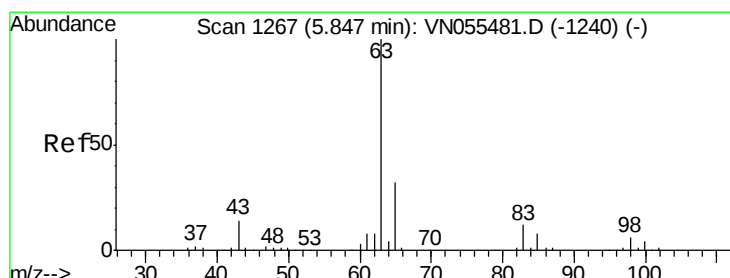
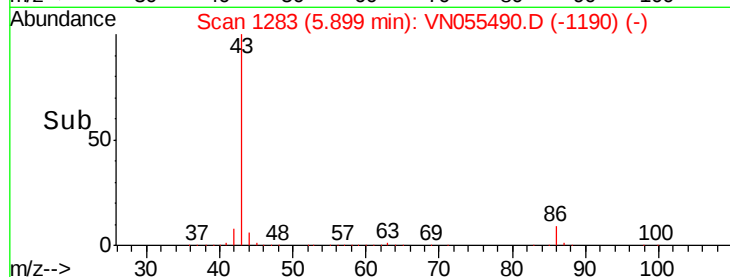
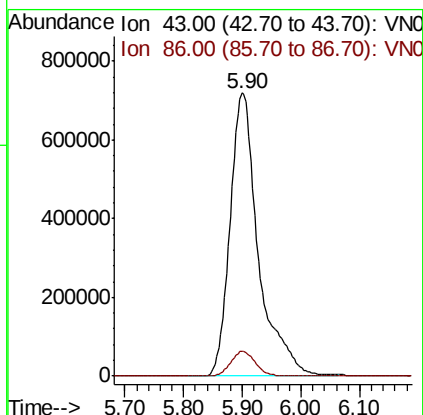
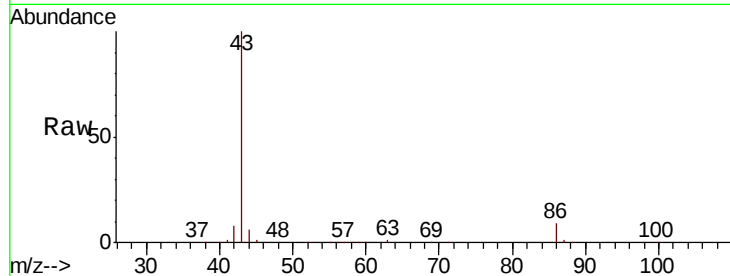




#23
 Vinyl Acetate
 Concen: 98.052 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

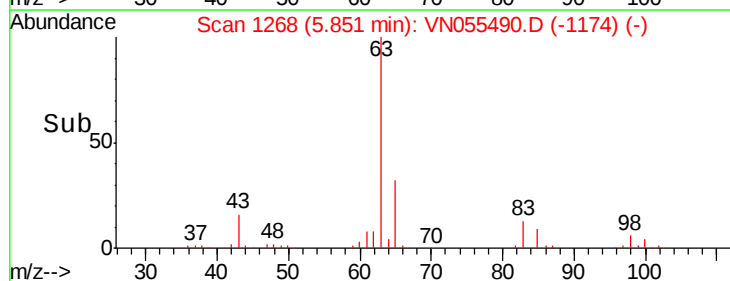
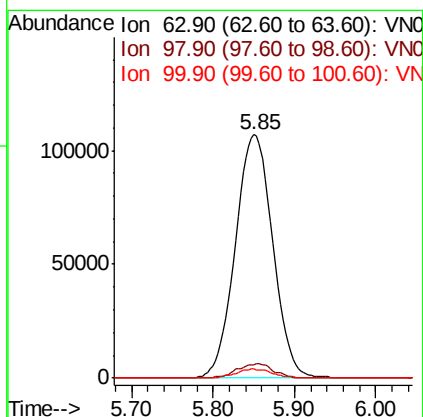
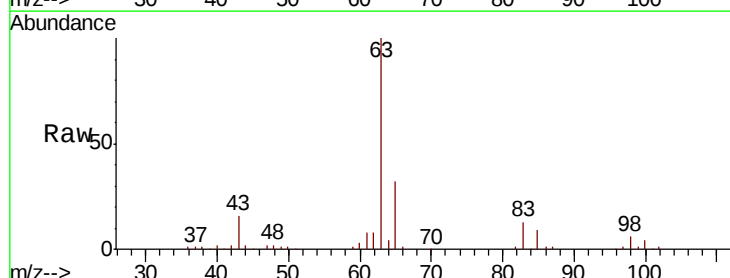
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tgt Ion: 43 Resp: 2429074
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 19.680 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 63 Resp: 340319
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.0
 100 3.8 1.9 5.7

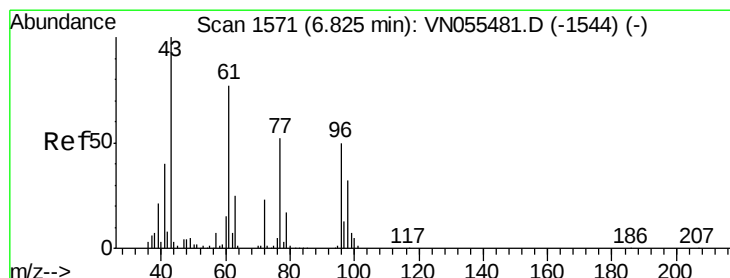
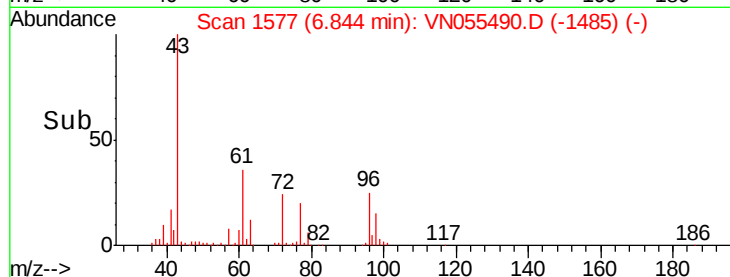
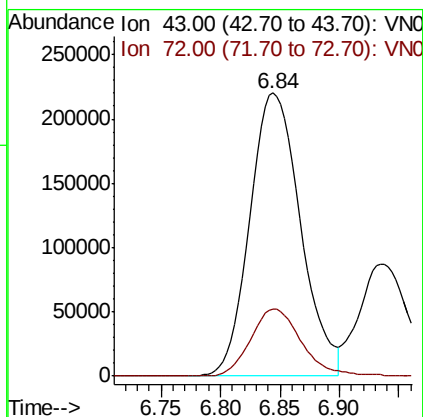
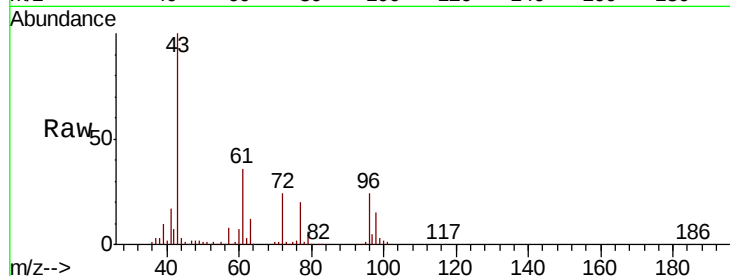




#25
2-Butanone
Concen: 95.489 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

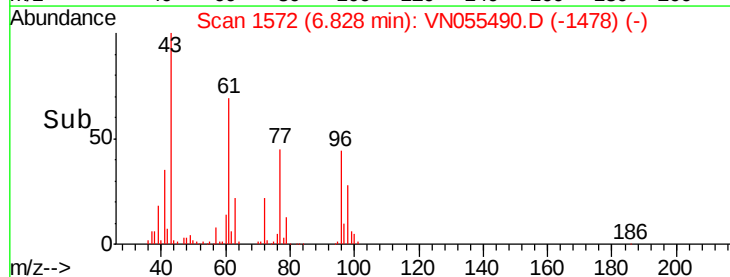
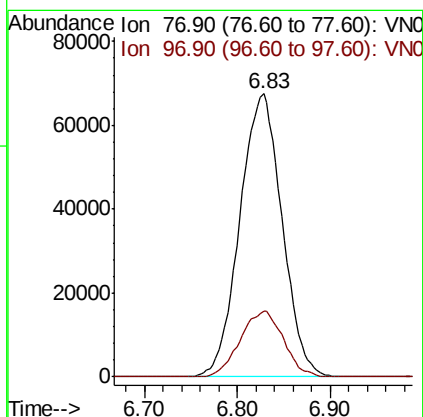
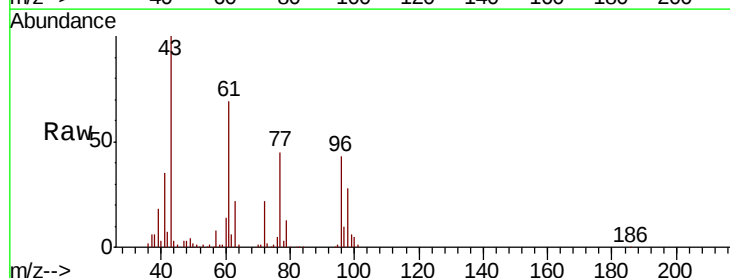
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

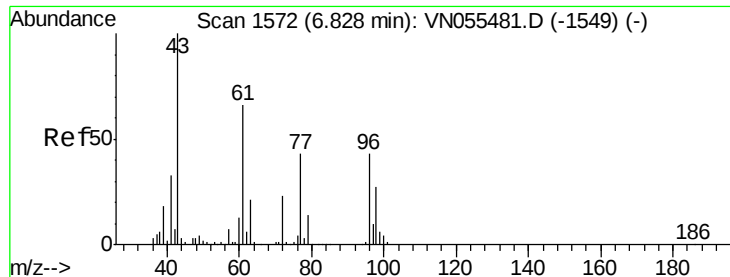
Tgt Ion: 43 Resp: 647495
Ion Ratio Lower Upper
43 100
72 23.6 18.6 27.8



#26
2,2-Dichloropropane
Concen: 19.805 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 77 Resp: 213493
Ion Ratio Lower Upper
77 100
97 23.8 11.5 34.5

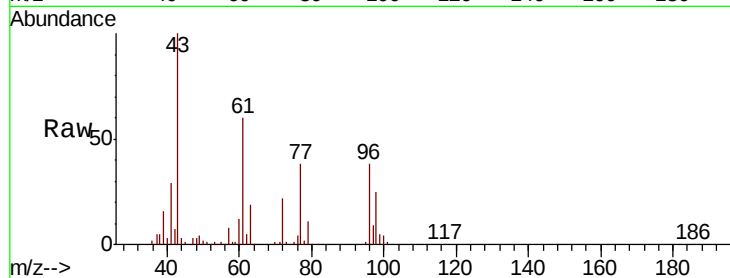




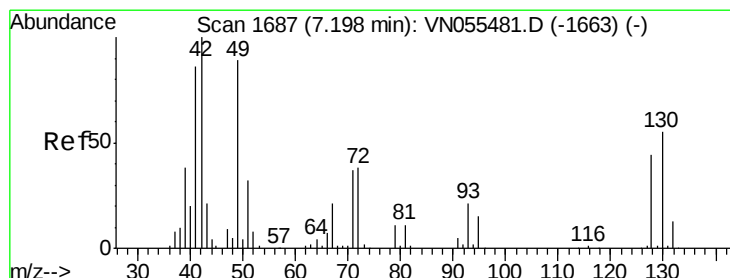
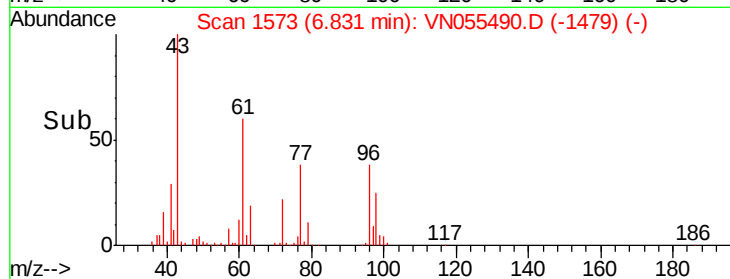
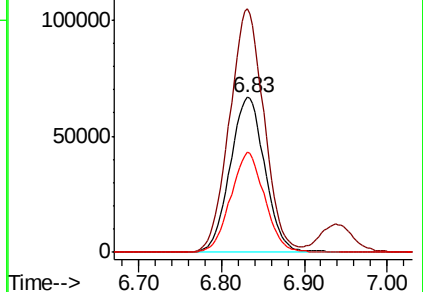
#27
 cis-1,2-Dichloroethene
 Concen: 20.183 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509MBS01

Tgt Ion: 96 Resp: 194615
 Ion Ratio Lower Upper
 96 100
 61 155.7 0.0 310.8
 98 63.0 0.0 129.4

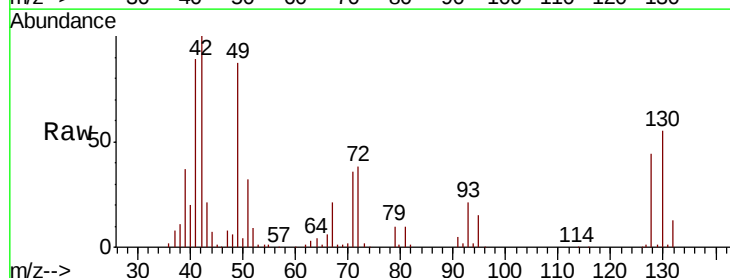


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

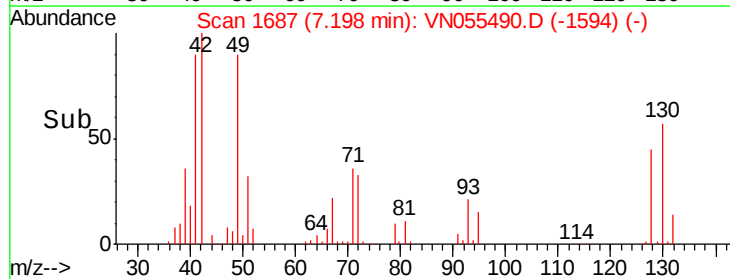
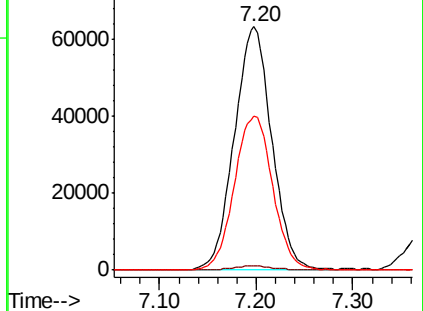


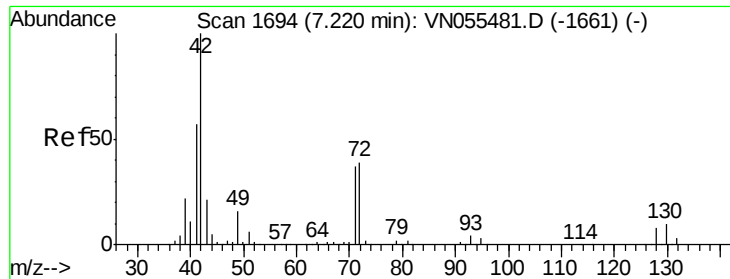
#28
 Bromochloromethane
 Concen: 19.005 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 49 Resp: 170668
 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

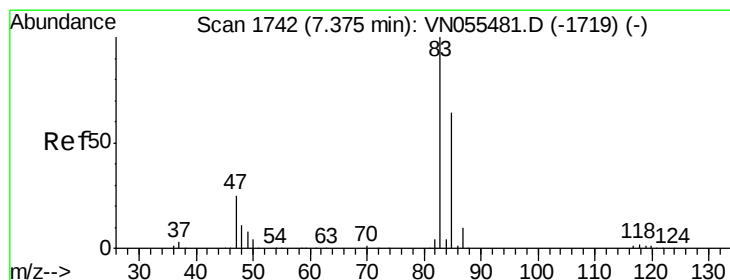
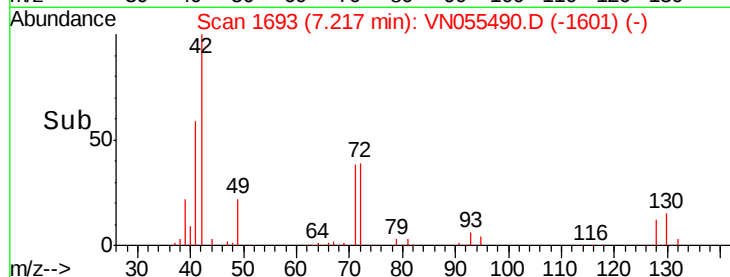
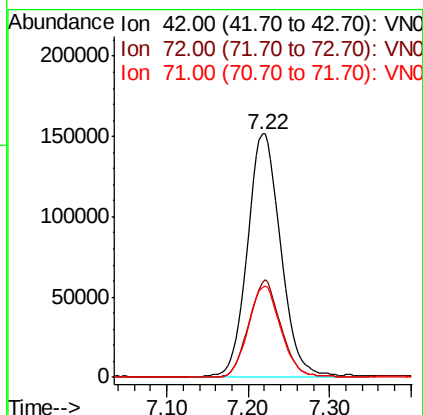
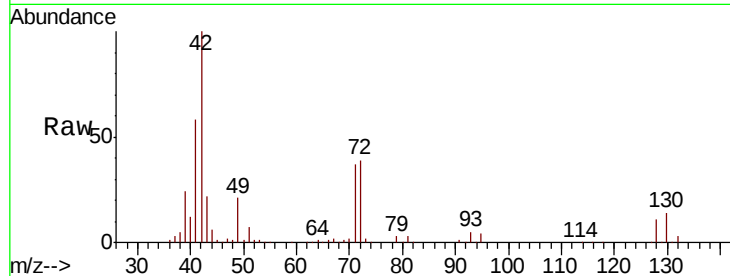




#29
Tetrahydrofuran
Concen: 94.390 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

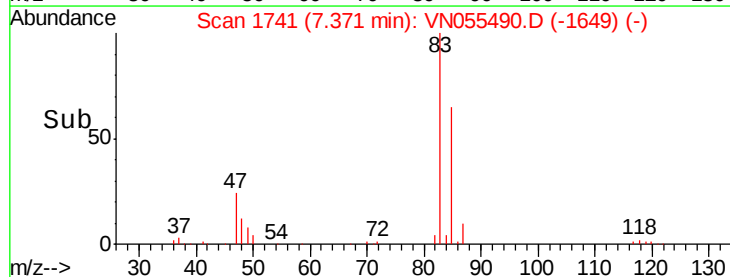
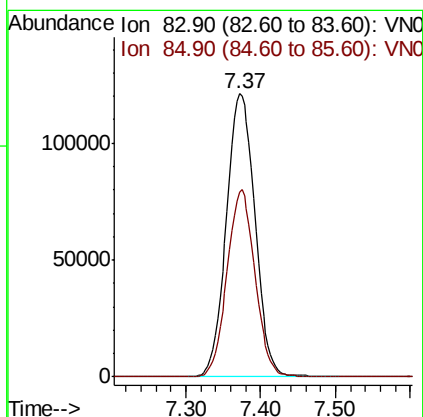
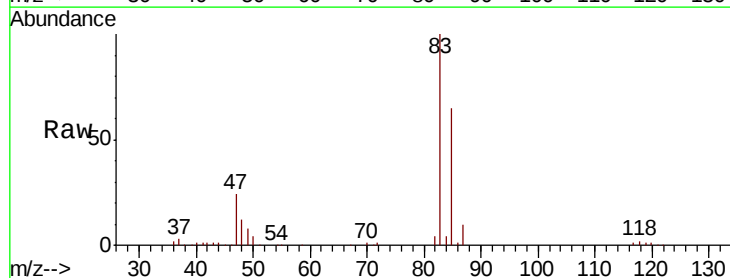
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

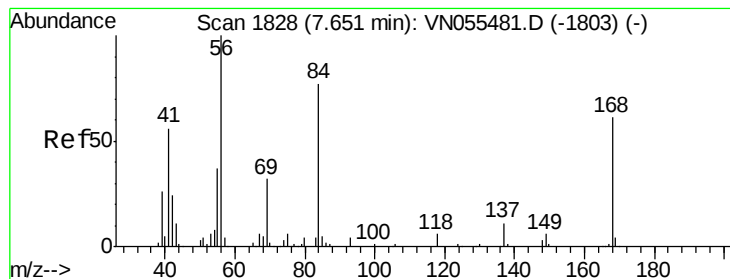
Tgt Ion: 42 Resp: 423122
Ion Ratio Lower Upper
42 100
72 38.7 31.0 46.6
71 36.9 29.4 44.2



#30
Chloroform
Concen: 20.130 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 83 Resp: 321802
Ion Ratio Lower Upper
83 100
85 65.3 51.3 76.9





#31

Cyclohexane

Concen: 19.492 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

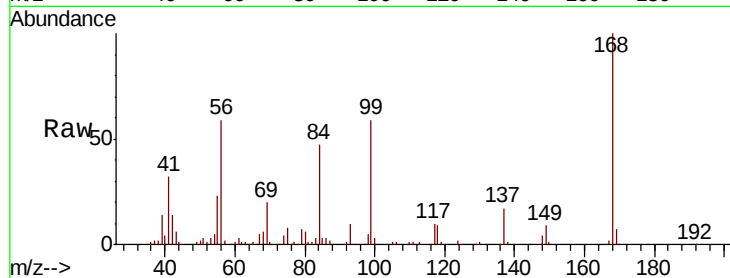
Tgt Ion: 56 Resp: 333501

Ion Ratio Lower Upper

56 100

69 34.1 26.0 39.0

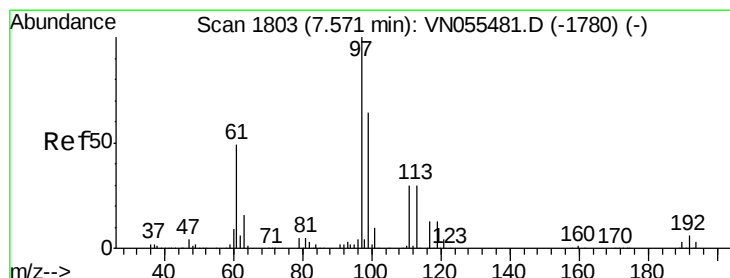
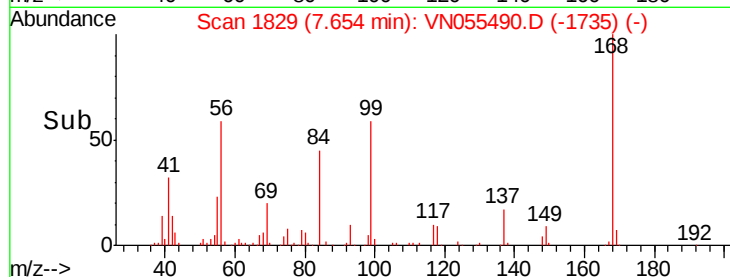
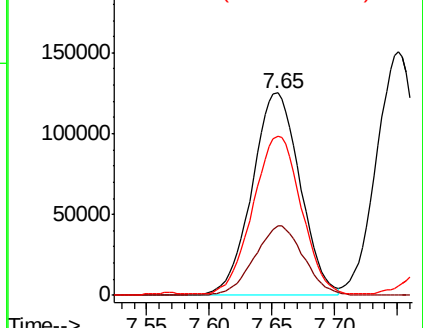
84 78.0 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VN055481.D (-1803) (-)

Ion 69.00 (68.70 to 69.70): VN055481.D (-1803) (-)

Ion 84.00 (83.70 to 84.70): VN055481.D (-1803) (-)



#32

1,1,1-Trichloroethane

Concen: 19.936 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

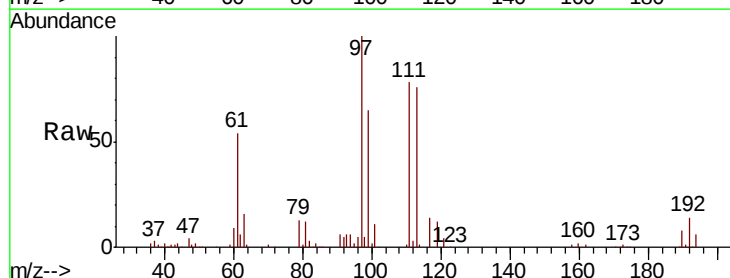
Tgt Ion: 97 Resp: 242691

Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

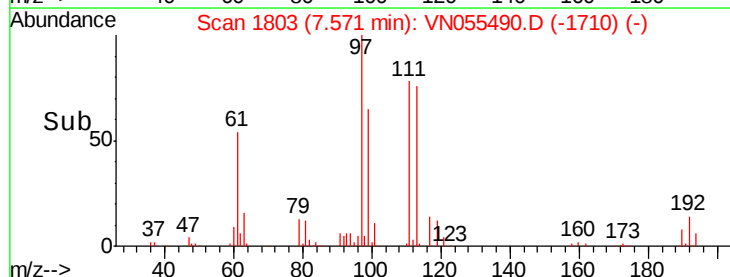
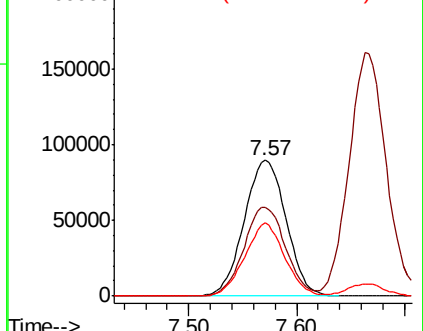
61 51.3 39.2 58.8

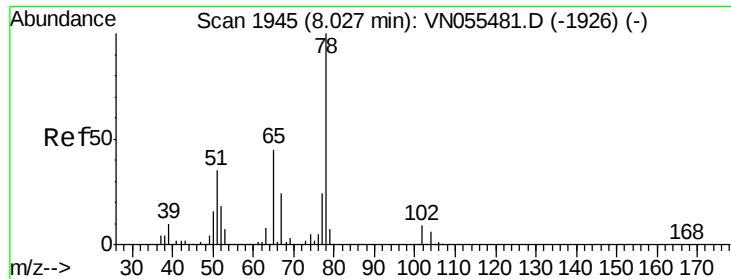


Abundance Ion 96.90 (96.60 to 97.60): VN055481.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN055481.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN055481.D (-1780) (-)

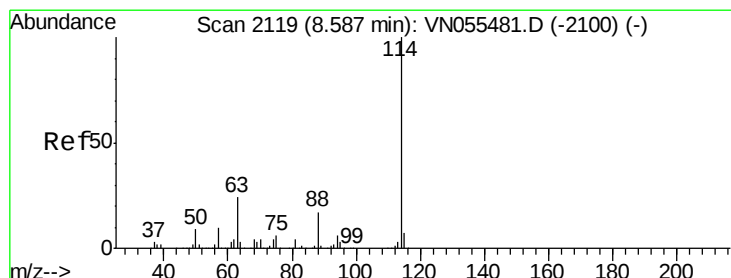
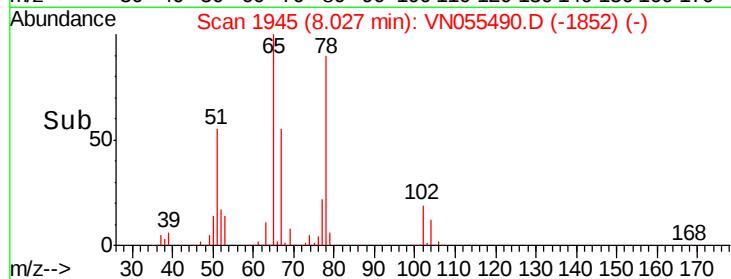
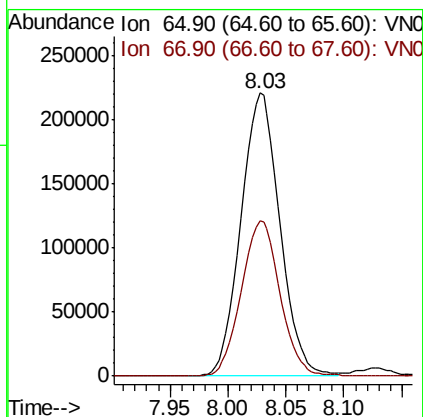
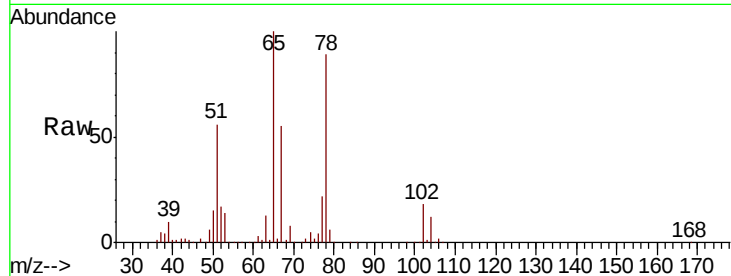




#33
 1,2-Dichloroethane-d4
 Concen: 48.730 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

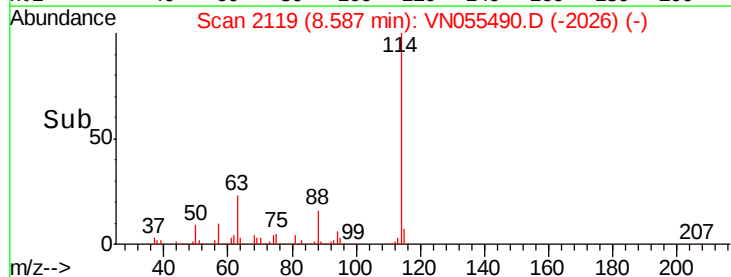
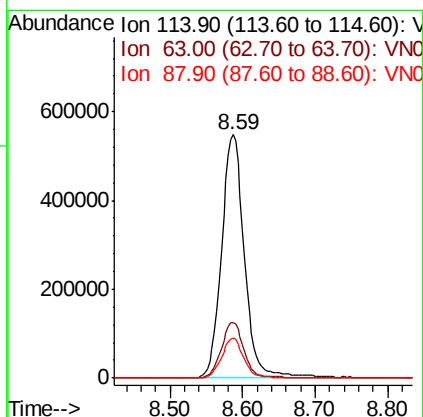
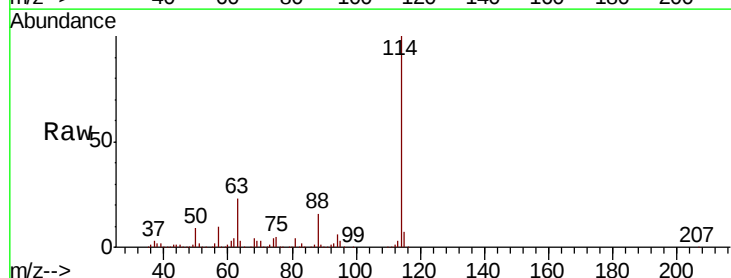
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tgt Ion: 65 Resp: 516605
 Ion Ratio Lower Upper
 65 100
 67 54.8 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: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 114 Resp: 1199718
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.4
 88 16.4 0.0 34.0

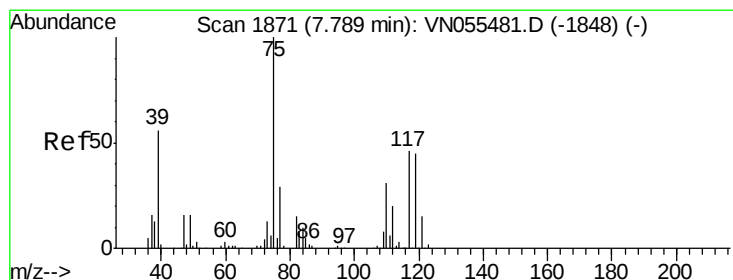
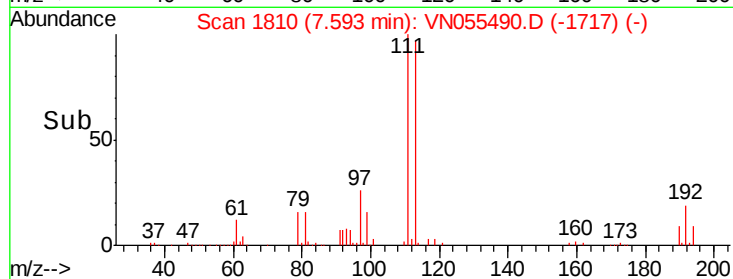
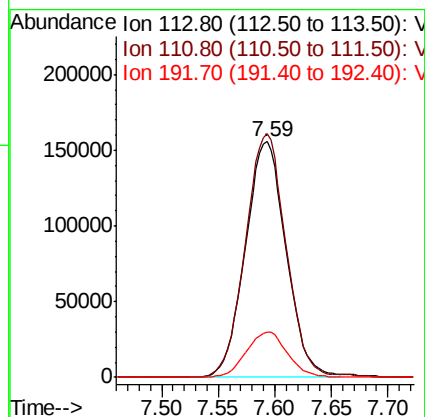
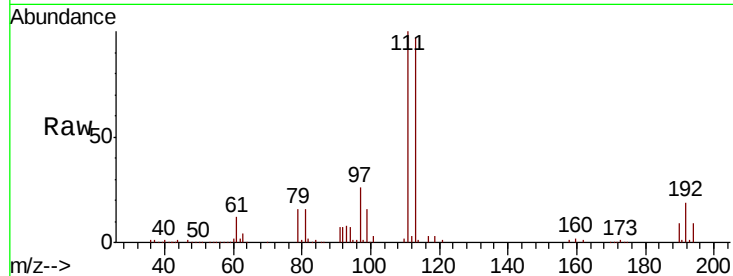




#35
 Dibromofluoromethane
 Concen: 50.406 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

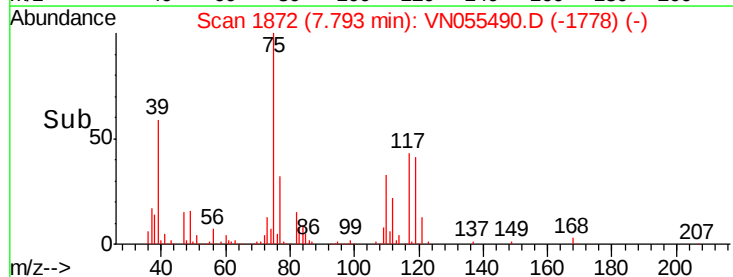
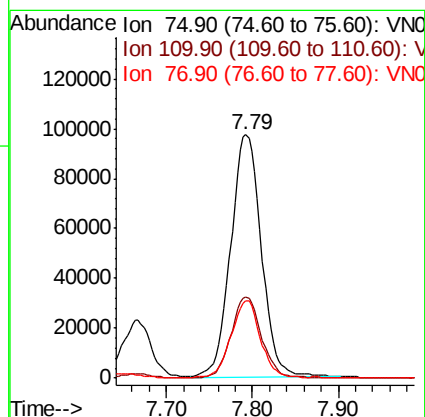
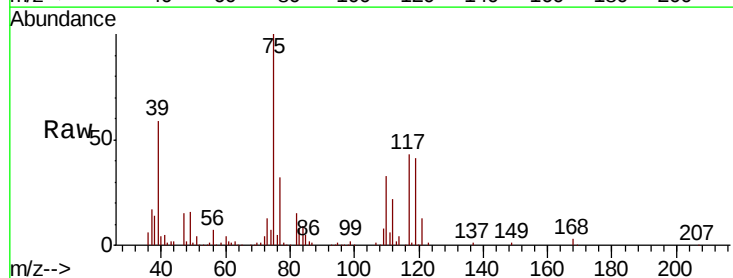
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tgt Ion: 113 Resp: 390096
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.9 124.3
 192 19.3 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 20.452 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 75 Resp: 241732
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.1 48.3
 77 30.8 24.6 37.0

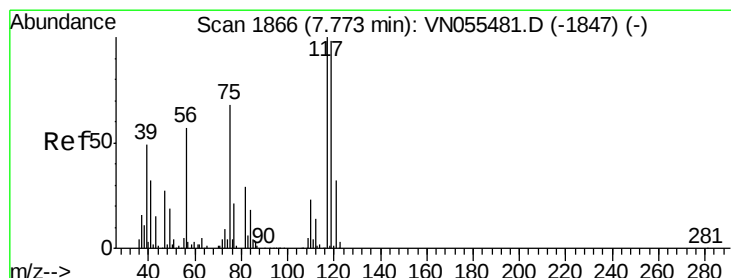
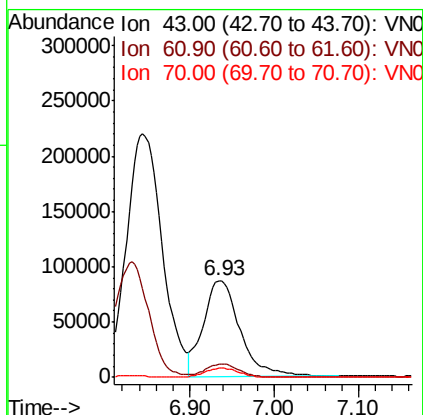
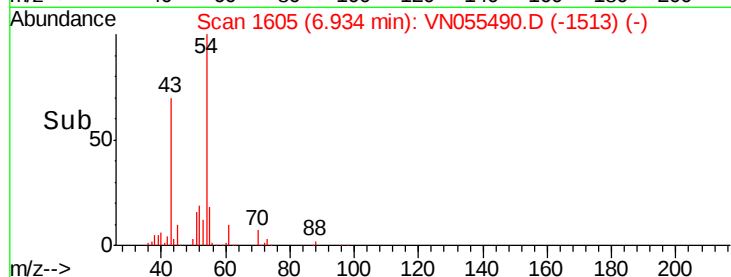
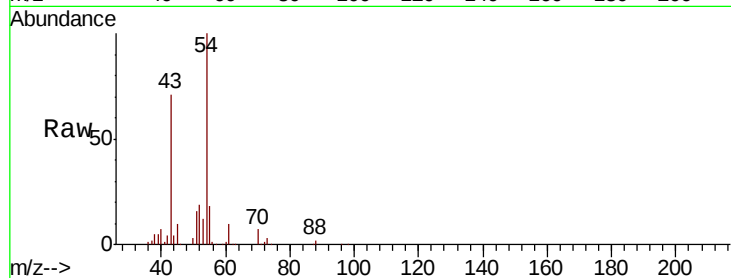




#37
Ethyl Acetate
 Concen: 20.259 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

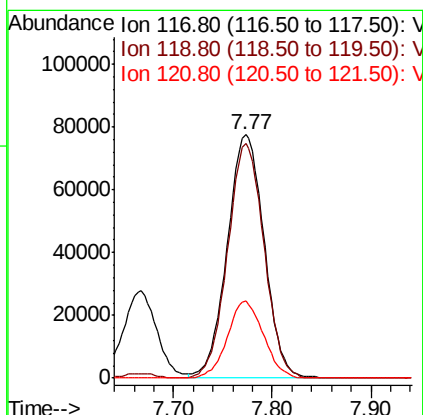
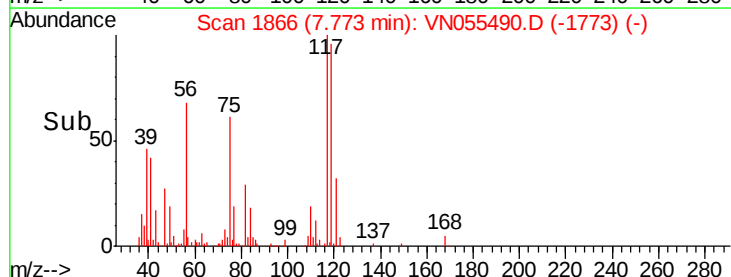
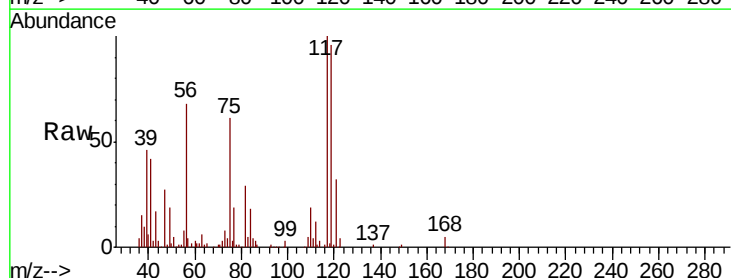
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

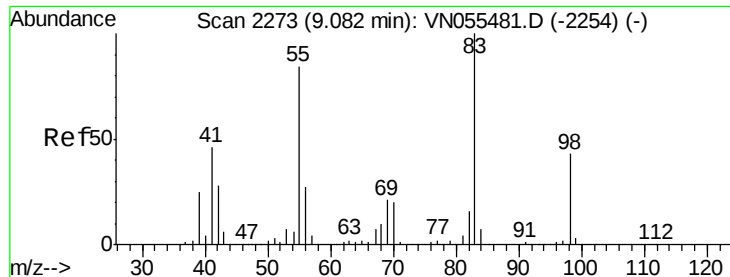
Tgt Ion: 43 Resp: 261203
 Ion Ratio Lower Upper
 43 100
 61 13.0 10.9 16.3
 70 8.6 7.0 10.6



#38
Carbon Tetrachloride
 Concen: 20.346 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 117 Resp: 202491
 Ion Ratio Lower Upper
 117 100
 119 96.4 77.8 116.6
 121 31.7 25.2 37.8

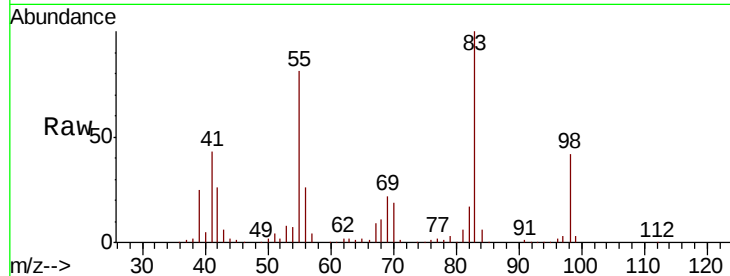




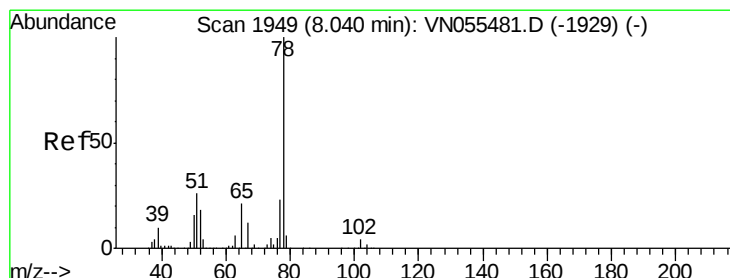
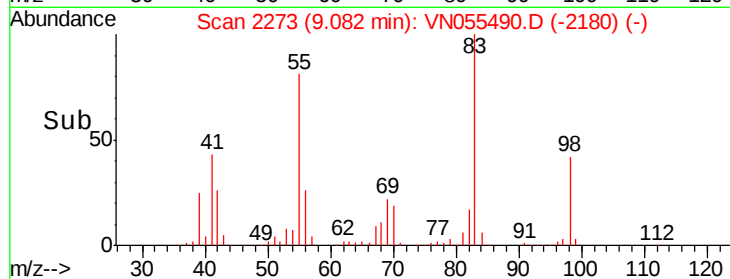
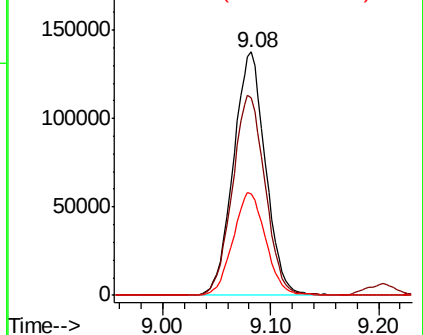
#39
Methylcyclohexane
Concen: 19.780 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tgt Ion: 83 Resp: 285044
Ion Ratio Lower Upper
83 100
55 81.1 67.0 100.4
98 41.8 34.2 51.4

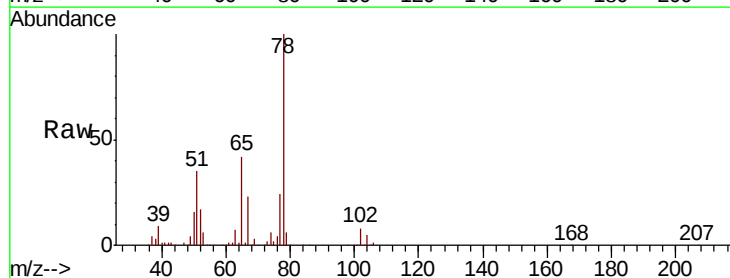


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

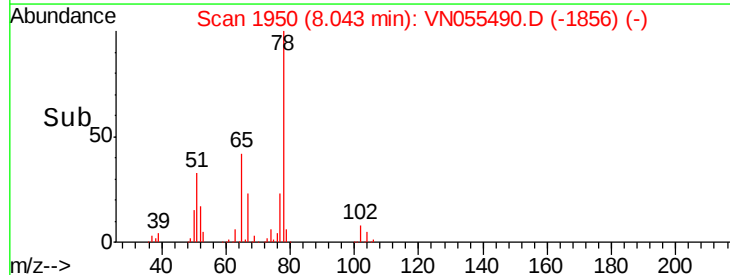
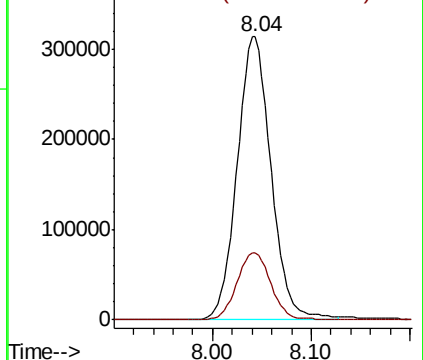


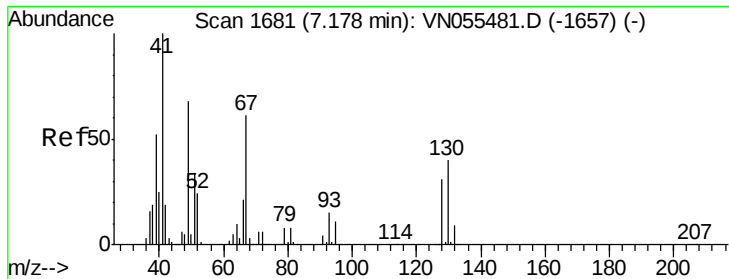
#40
Benzene
Concen: 20.361 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 78 Resp: 746894
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8



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





#41

Methacrylonitrile

Concen: 15.601 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

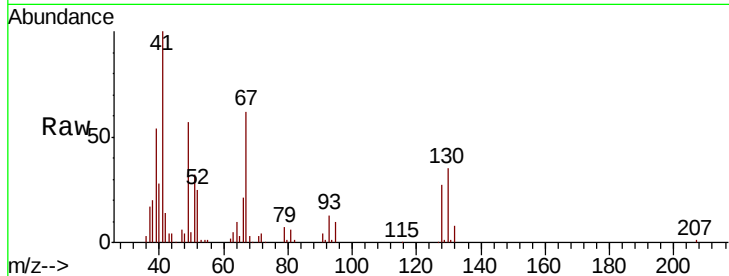
MSVOA_N

ClientSampleId :

VN0509MBS01

Tgt Ion: 41 Resp: 93355

Ion	Ratio	Lower	Upper
41	100		
39	74.0	44.7	67.1#
67	103.3	61.4	92.0#
52	42.9	25.0	37.4#



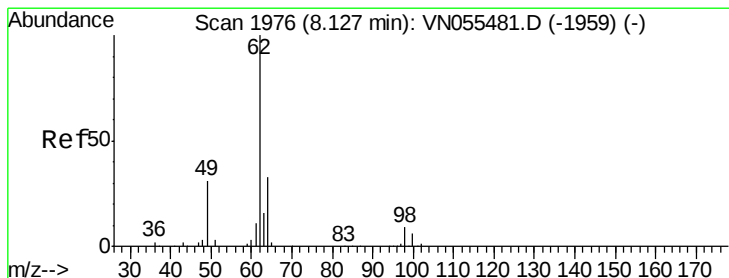
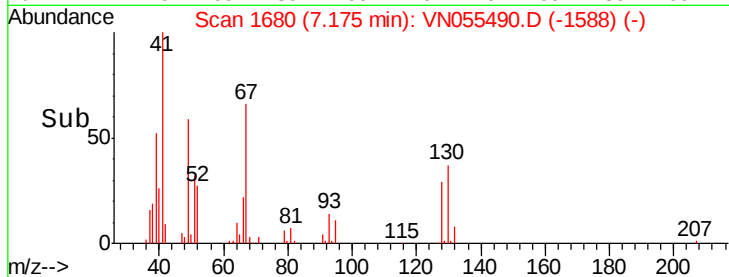
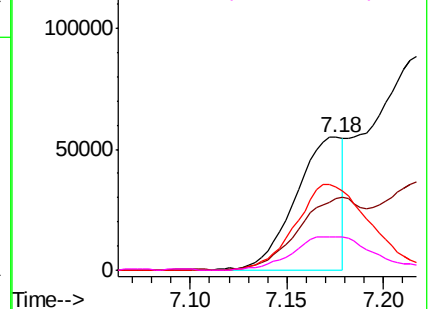
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 19.751 ug/l

RT: 8.12 min Scan# 1975

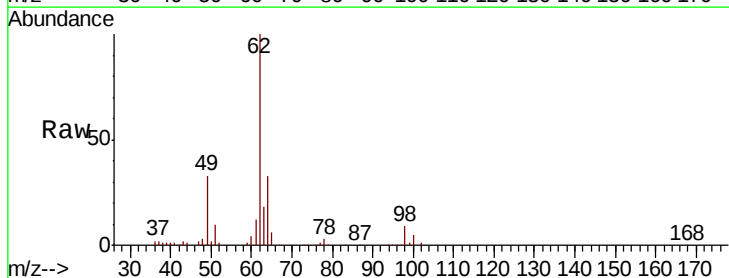
Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion: 62 Resp: 254541

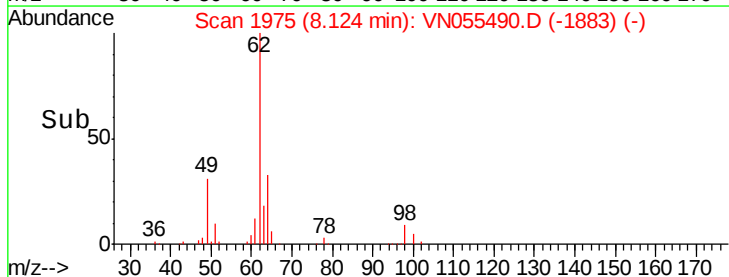
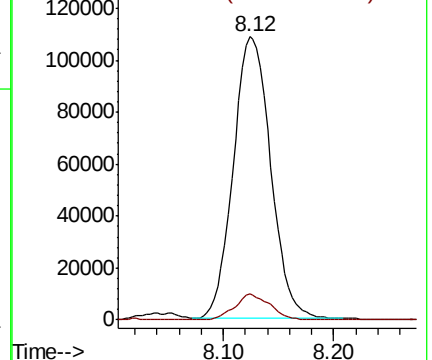
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4

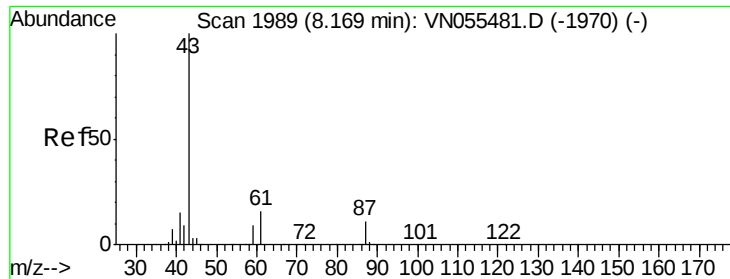


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.571 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

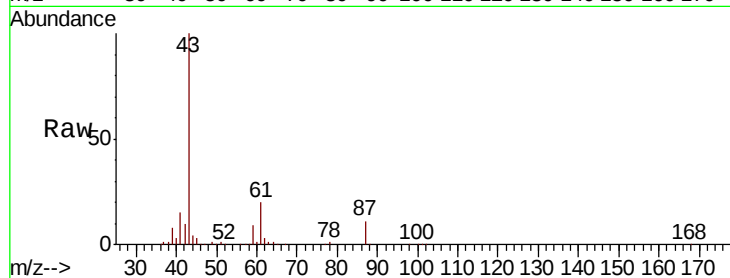
Tgt Ion: 43 Resp: 383352

Ion Ratio Lower Upper

43 100

61 20.2 15.1 22.7

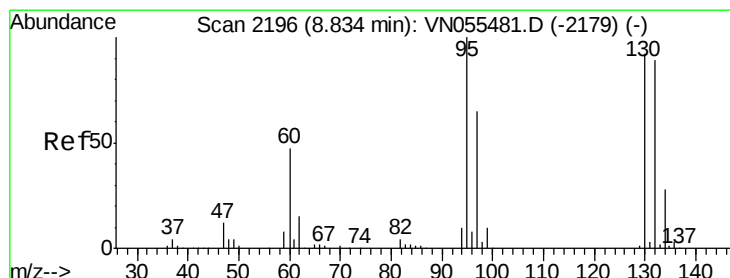
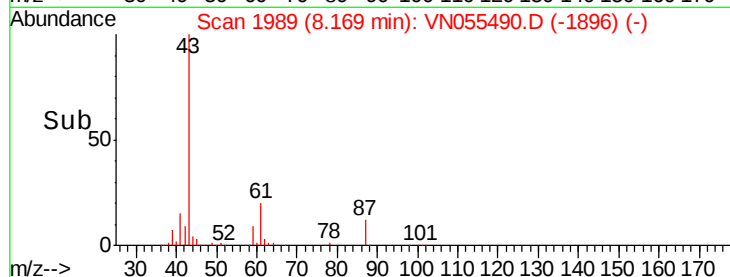
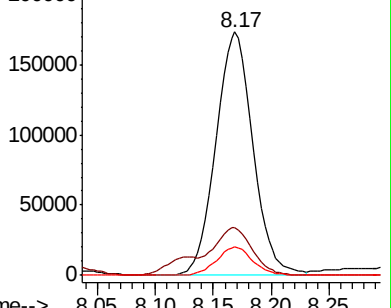
87 11.4 9.0 13.6



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: 20.440 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055490.D

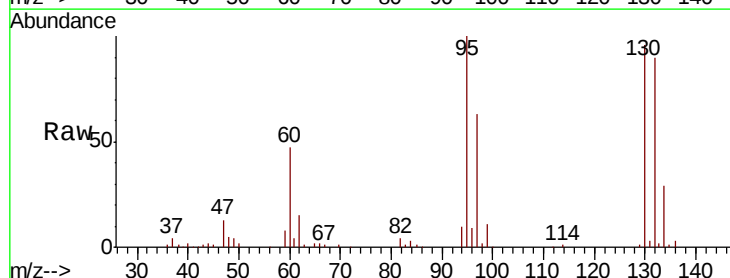
Acq: 9 May 2019 12:18

Tgt Ion: 130 Resp: 178404

Ion Ratio Lower Upper

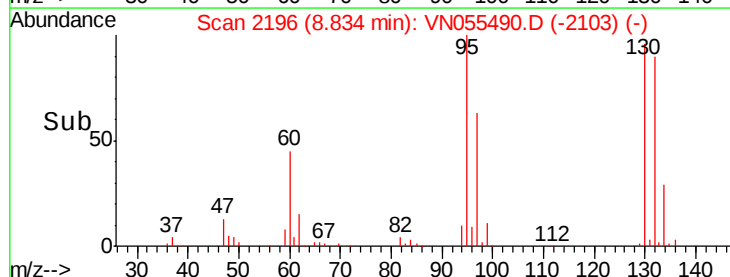
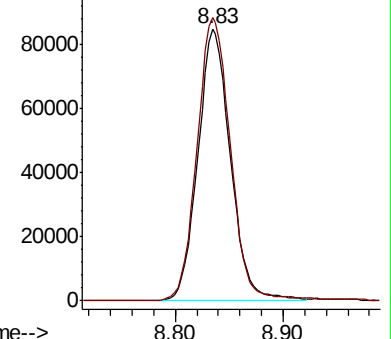
130 100

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: 19.972 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

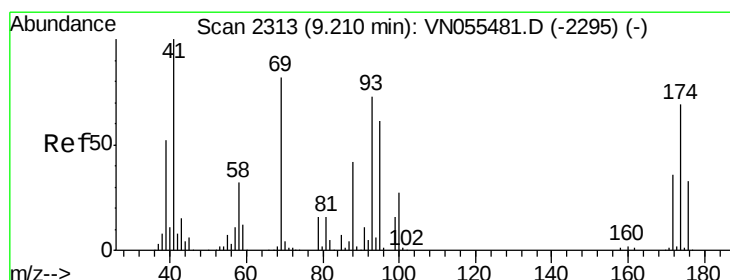
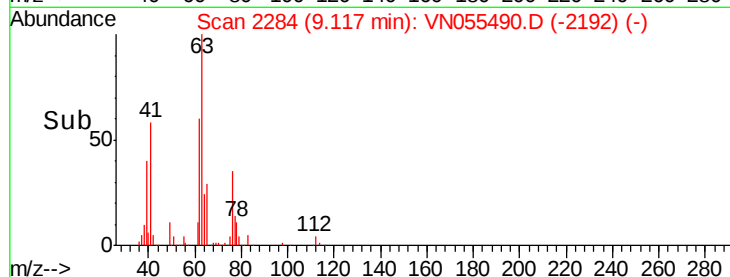
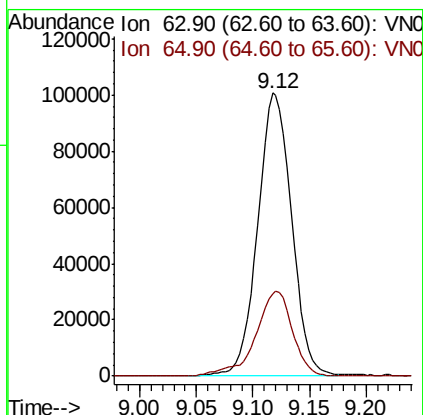
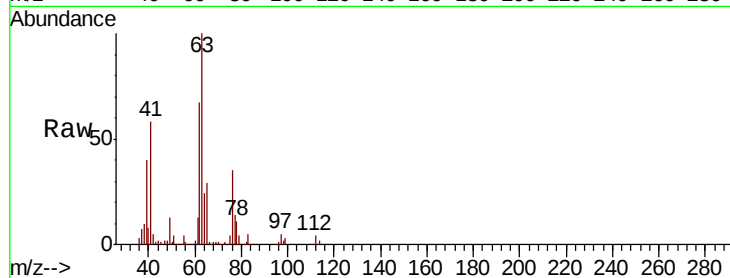
VN0509MBS01

Tgt Ion: 63 Resp: 209618

Ion Ratio Lower Upper

63 100

65 29.2 24.1 36.1



#46

Dibromomethane

Concen: 20.359 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

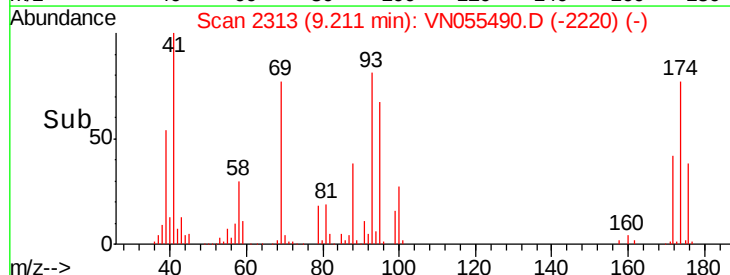
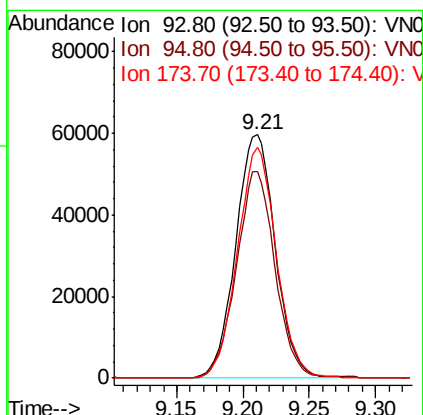
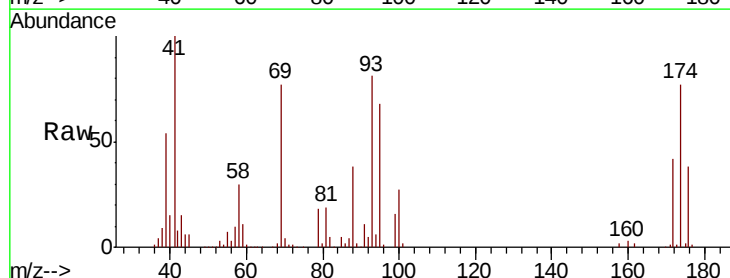
Tgt Ion: 93 Resp: 123857

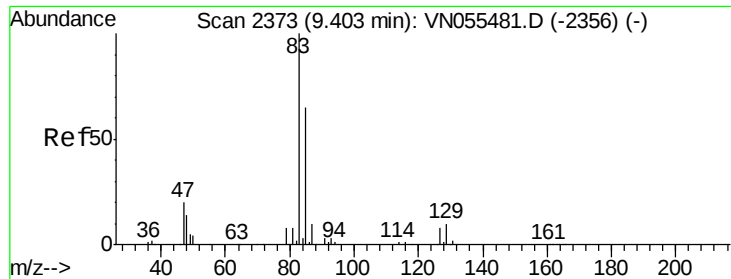
Ion Ratio Lower Upper

93 100

95 82.7 64.8 97.2

174 93.2 75.0 112.6

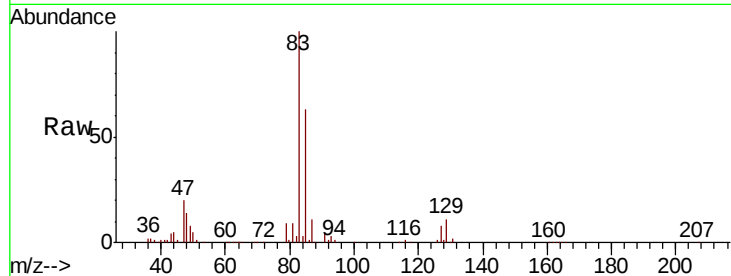




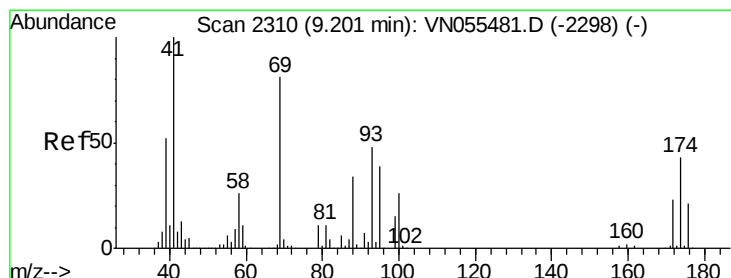
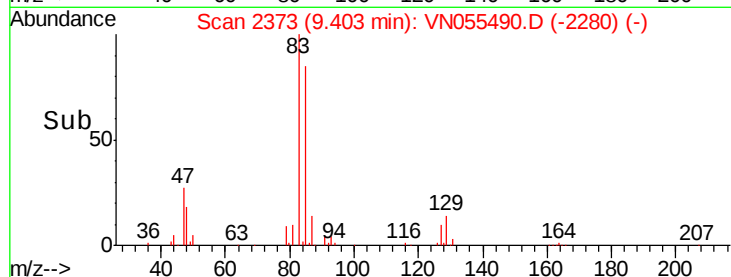
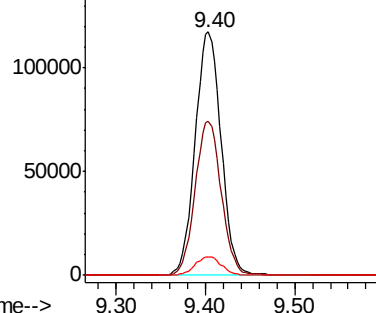
#47
 Bromodichloromethane
 Concen: 20.327 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tgt Ion: 83 Resp: 236575
 Ion Ratio Lower Upper
 83 100
 85 63.4 52.2 78.2
 127 7.7 6.5 9.7

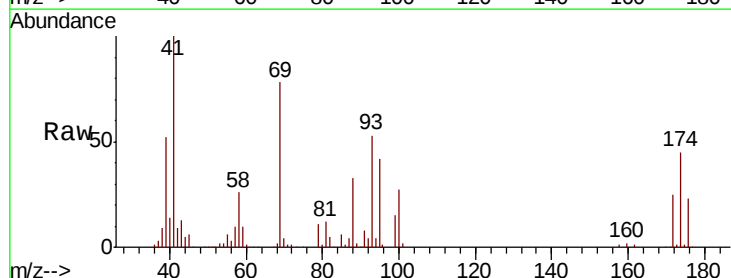


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

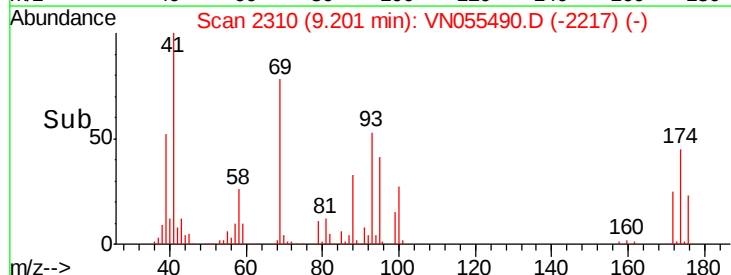
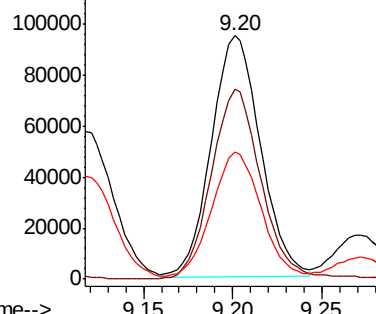


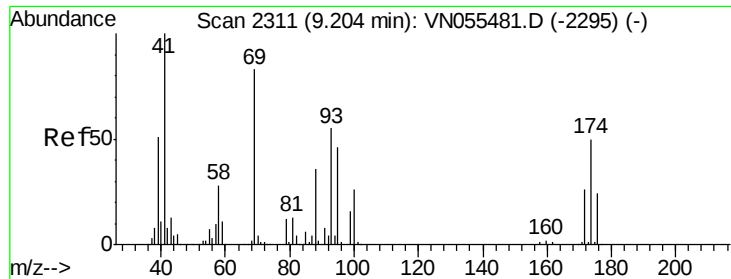
#48
 Methyl methacrylate
 Concen: 19.398 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 41 Resp: 183069
 Ion Ratio Lower Upper
 41 100
 69 80.3 64.2 96.2
 39 52.8 41.6 62.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

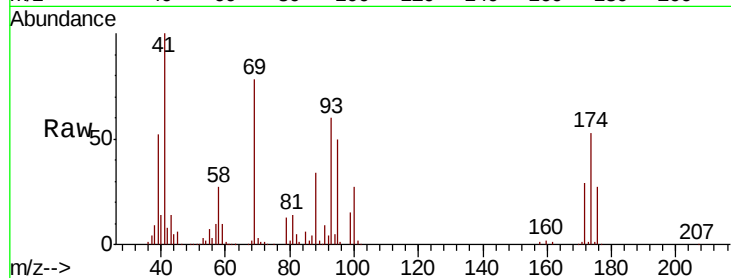




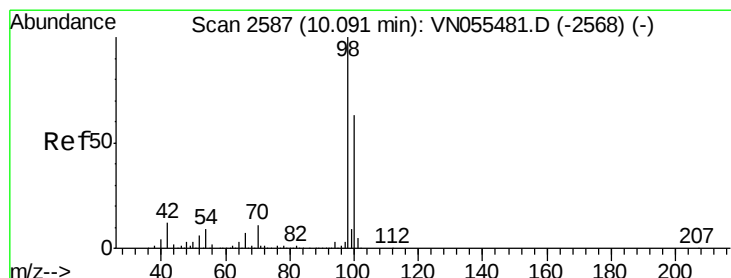
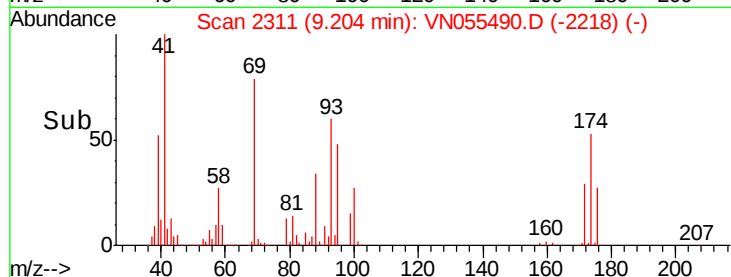
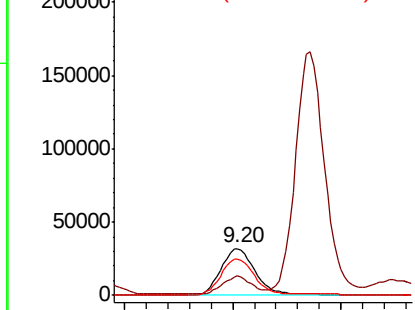
#49
 1,4-Dioxane
 Concen: 387.893 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tgt Ion: 88 Resp: 71348
 Ion Ratio Lower Upper
 88 100
 43 32.8 27.8 41.8
 58 76.8 61.8 92.6

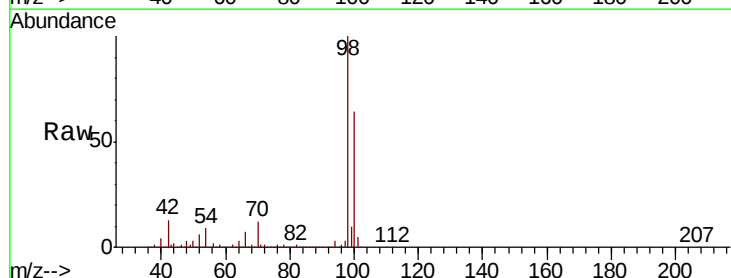


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

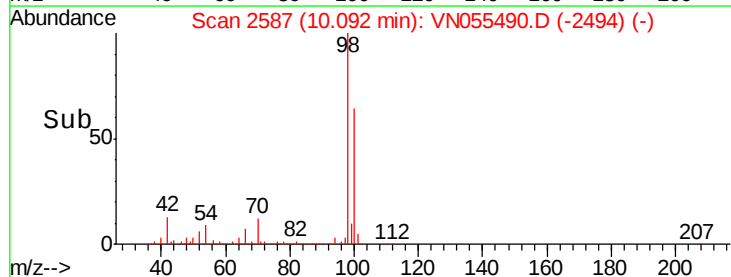
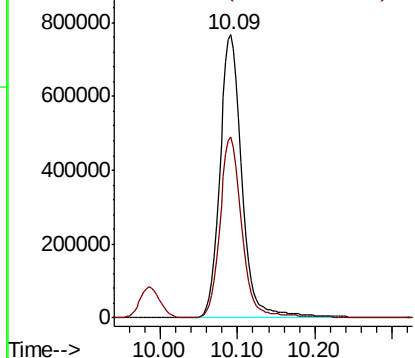


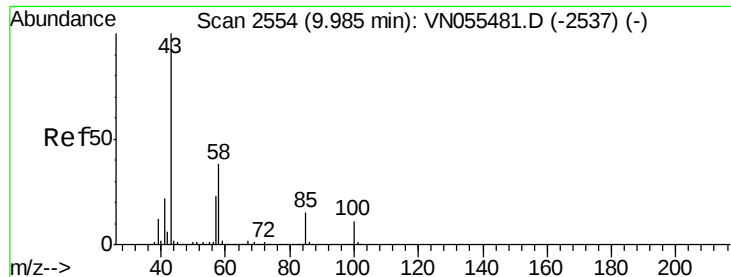
#50
 Toluene-d8
 Concen: 50.658 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 98 Resp: 1527784
 Ion Ratio Lower Upper
 98 100
 100 64.1 50.4 75.6



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

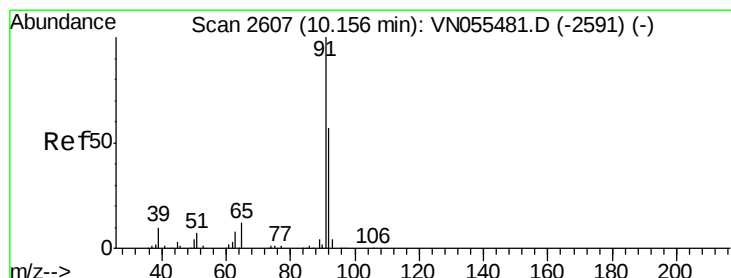
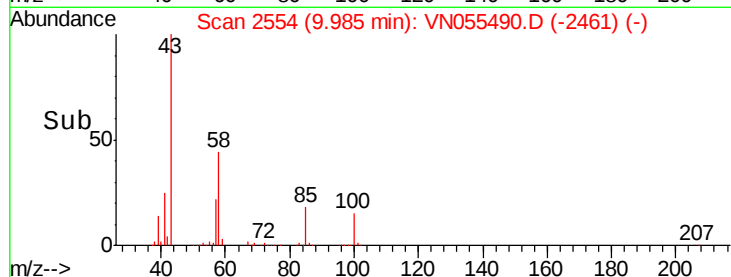
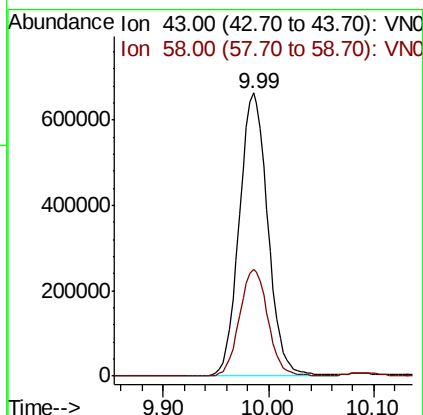
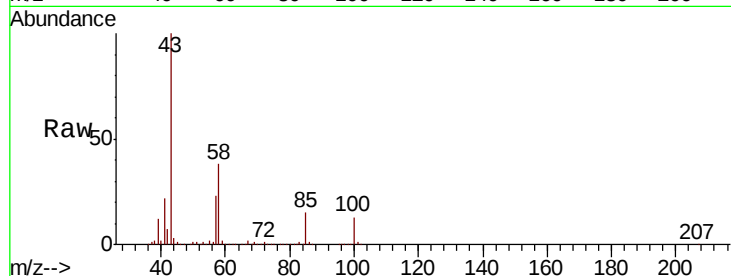




#51
 4-Methyl-2-Pentanone
 Concen: 96.810 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

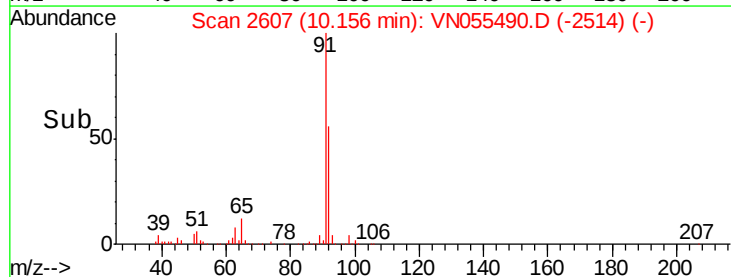
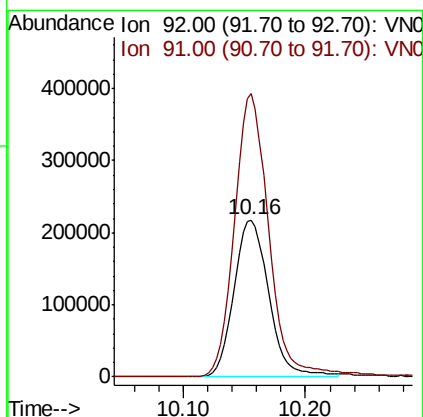
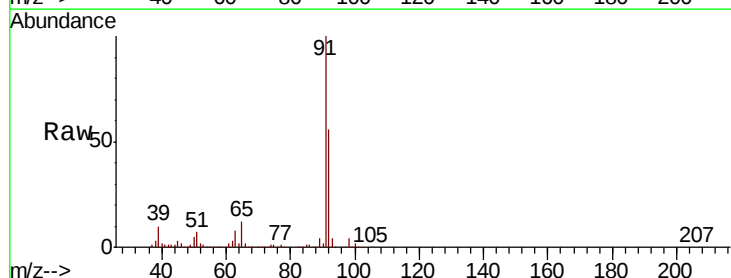
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

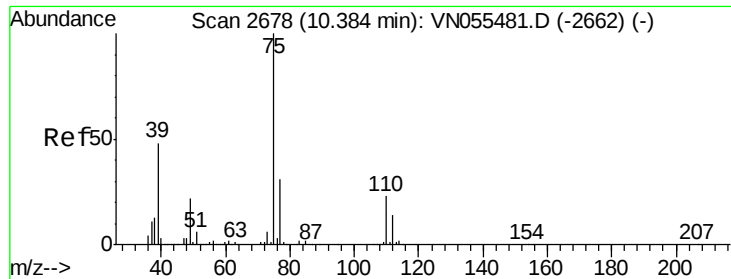
Tgt Ion: 43 Resp: 1247144
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.9 44.9



#52
 Toluene
 Concen: 20.572 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 92 Resp: 431426
 Ion Ratio Lower Upper
 92 100
 91 180.2 140.5 210.7

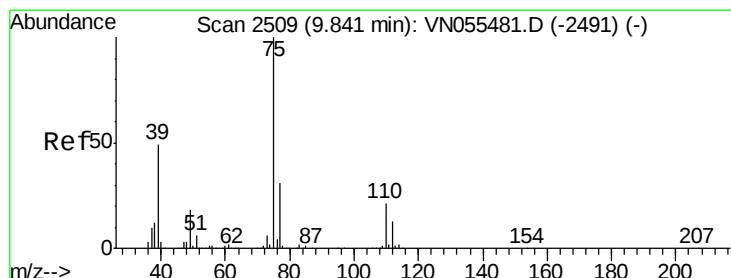
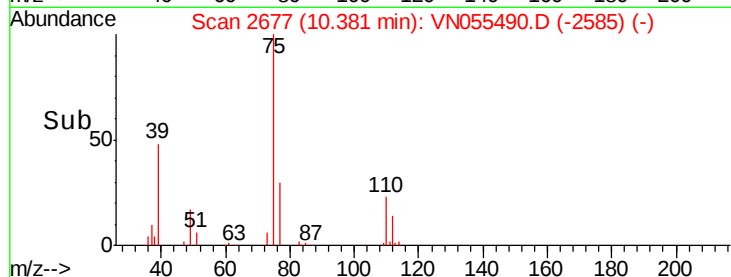
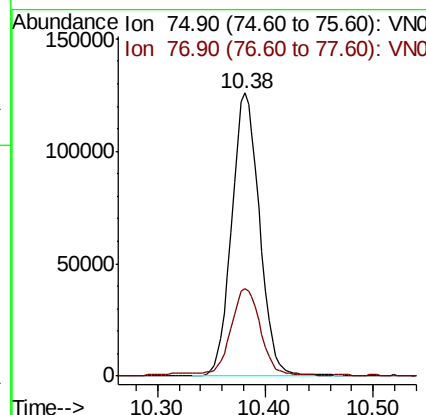
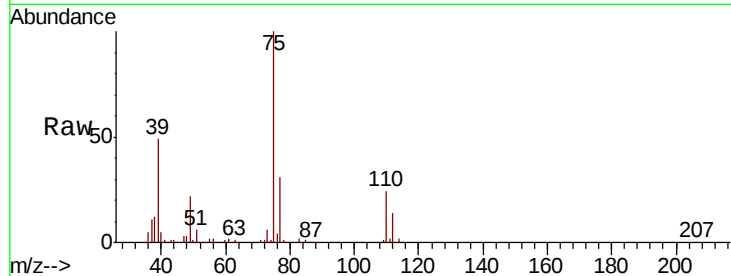




#53
t-1,3-Dichloropropene
Concen: 20.356 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

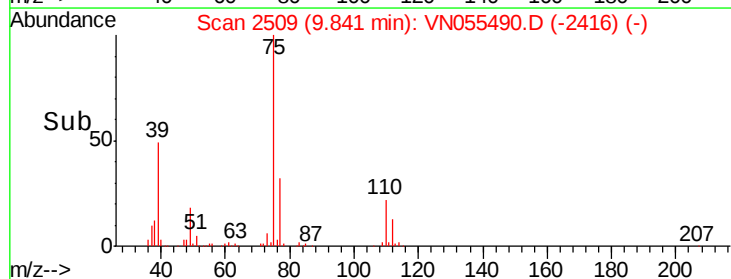
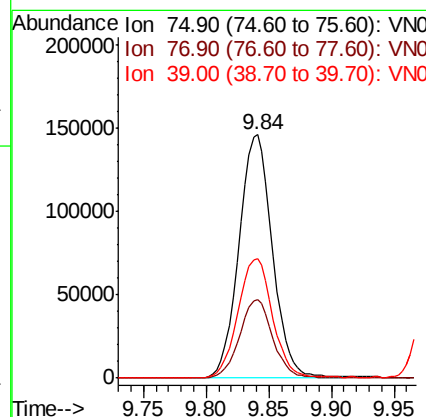
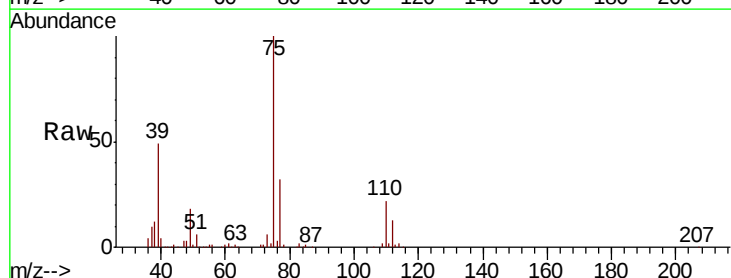
Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

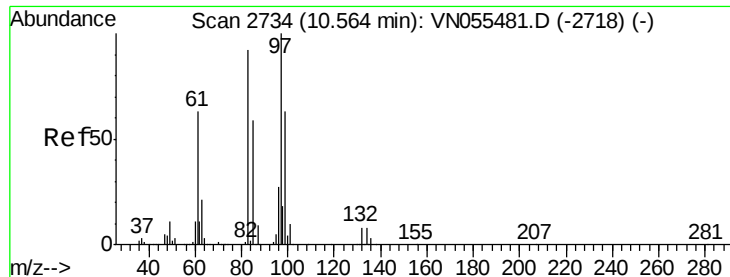
Tgt Ion: 75 Resp: 227534
Ion Ratio Lower Upper
75 100
77 30.2 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 20.335 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 75 Resp: 271611
Ion Ratio Lower Upper
75 100
77 32.3 24.4 36.6
39 48.8 39.5 59.3

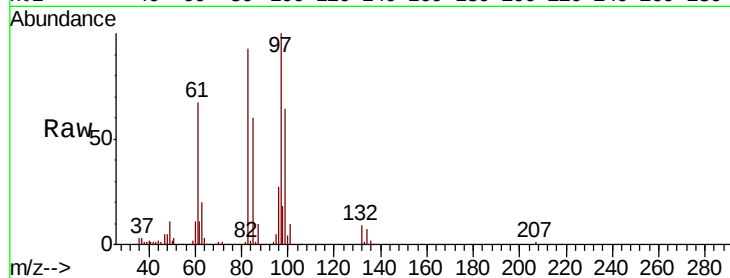




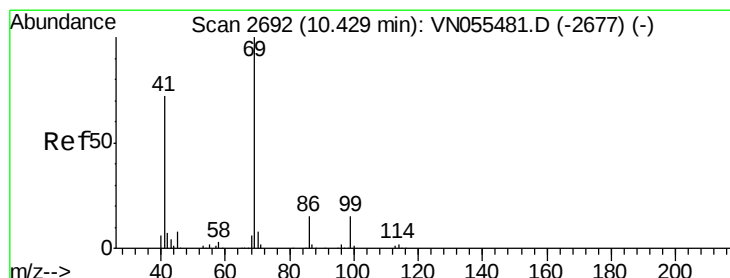
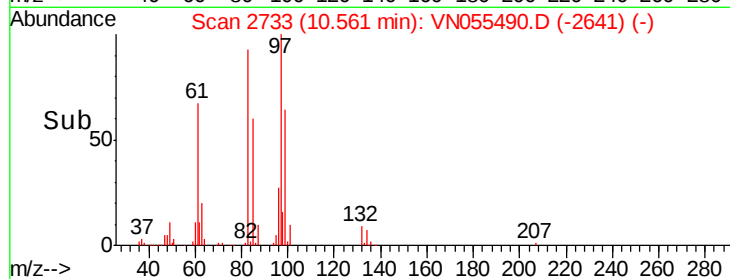
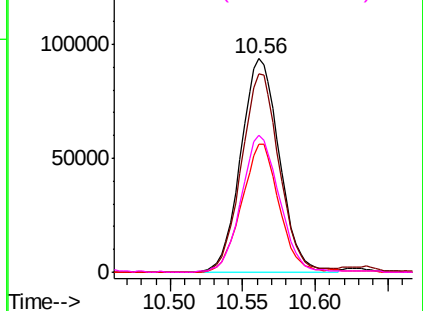
#55
 1,1,2-Trichloroethane
 Concen: 20.449 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

Tgt Ion:	97	Resp:	173749
Ion	Ratio	Lower	Upper
97	100		
83	93.0	73.2	109.8
85	59.9	47.5	71.3
99	63.8	50.2	75.2

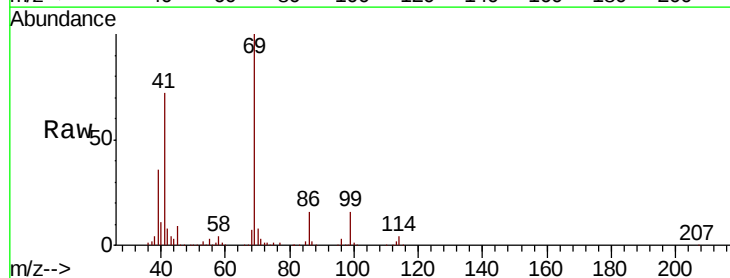


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

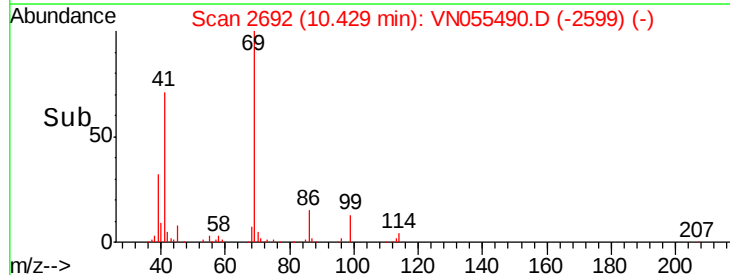
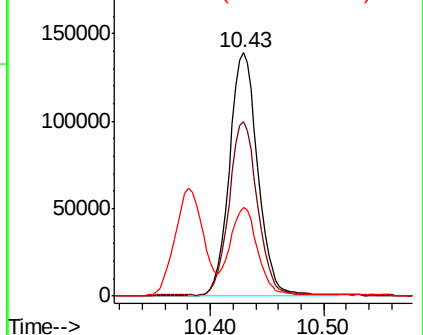


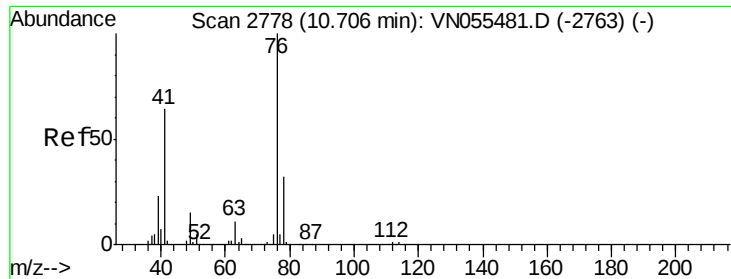
#56
 Ethyl methacrylate
 Concen: 19.295 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion:	69	Resp:	243853
Ion	Ratio	Lower	Upper
69	100		
41	70.9	56.2	84.2
39	35.1	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: 20.268 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

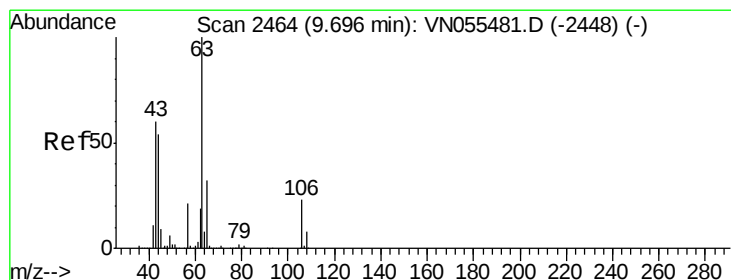
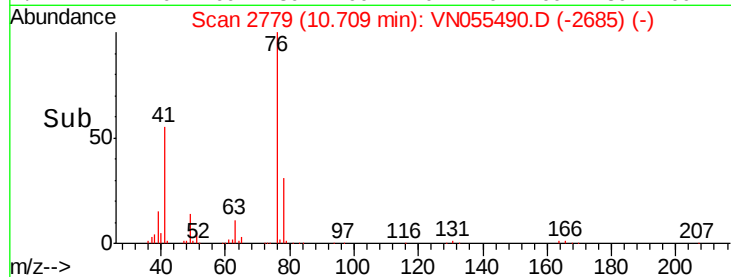
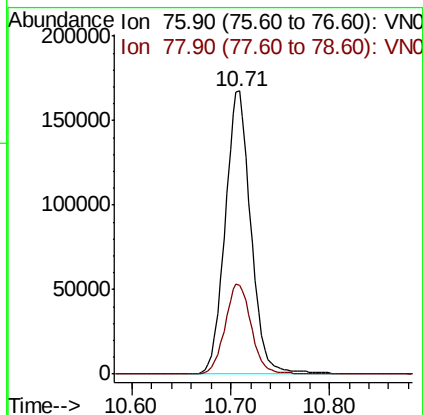
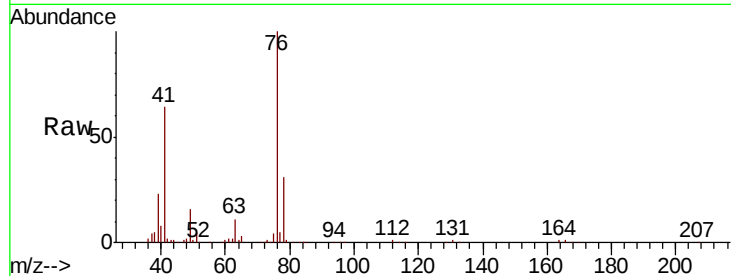
VN0509MBS01

Tgt Ion: 76 Resp: 305738

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 85.753 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055490.D

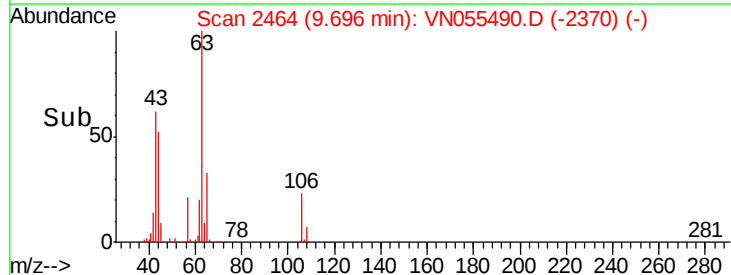
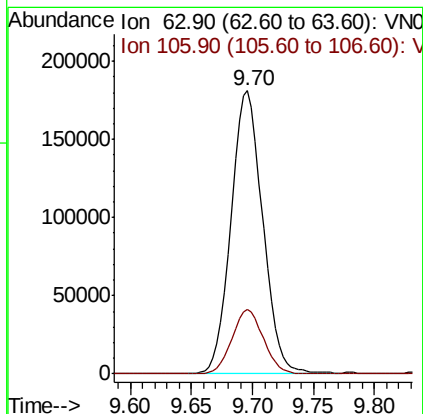
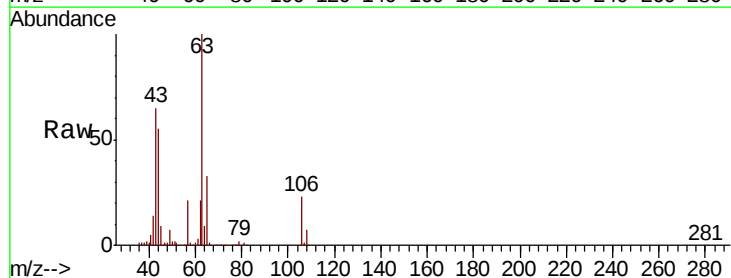
Acq: 9 May 2019 12:18

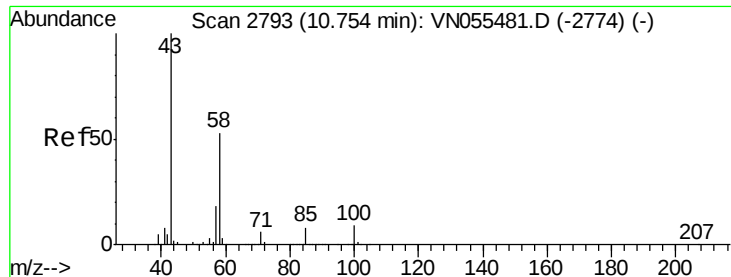
Tgt Ion: 63 Resp: 328023

Ion Ratio Lower Upper

63 100

106 22.4 18.6 27.8

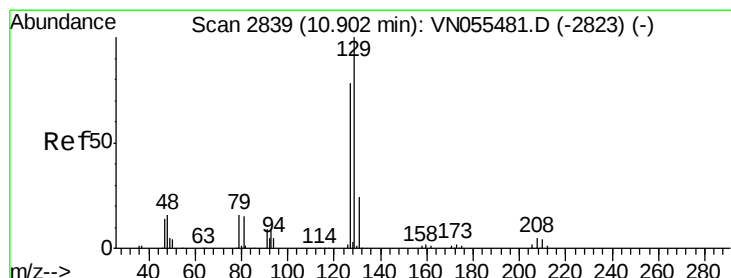
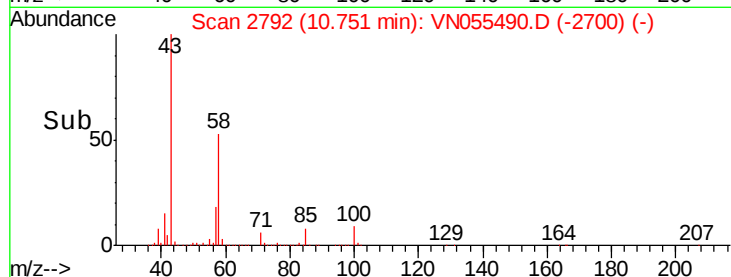
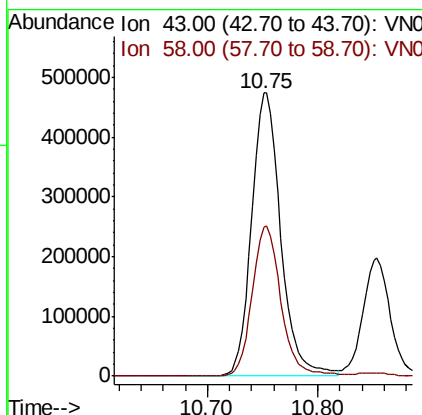
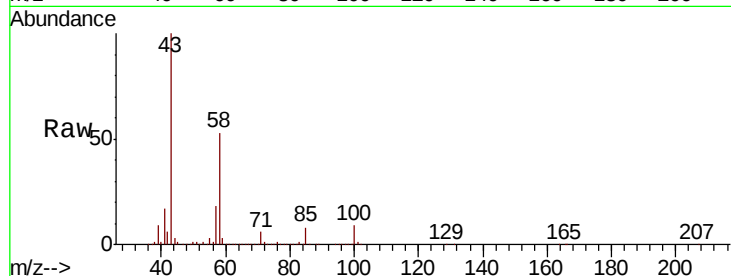




#59
2-Hexanone
Concen: 95.884 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

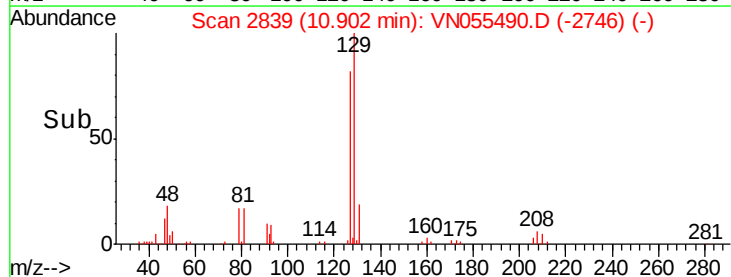
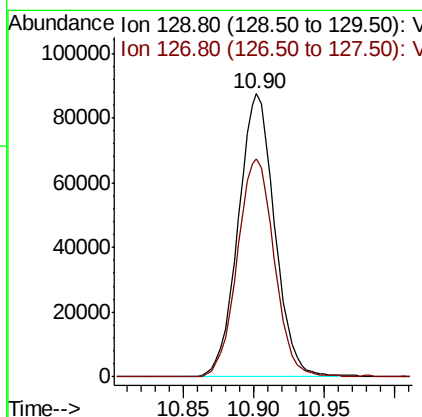
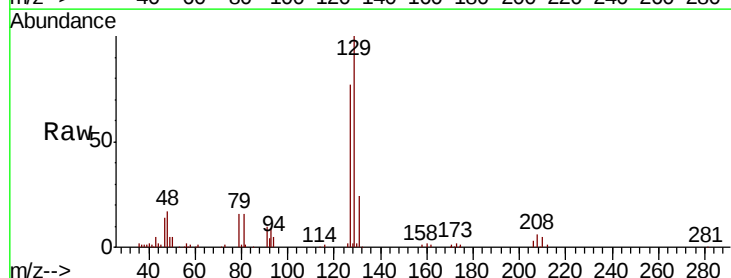
Instrument :
MSVOA_N
ClientSampled :
VN0509MBS01

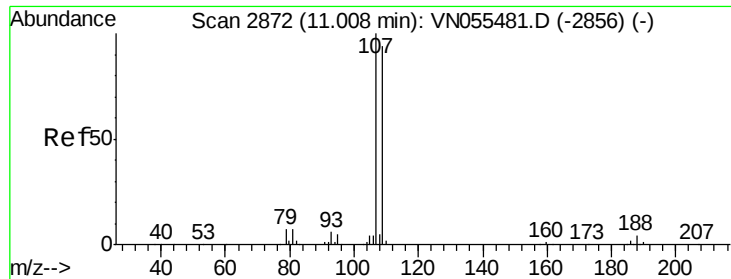
Tgt Ion: 43 Resp: 866254
Ion Ratio Lower Upper
43 100
58 52.5 26.4 79.0



#60
Dibromochloromethane
Concen: 20.467 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion: 129 Resp: 158115
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0

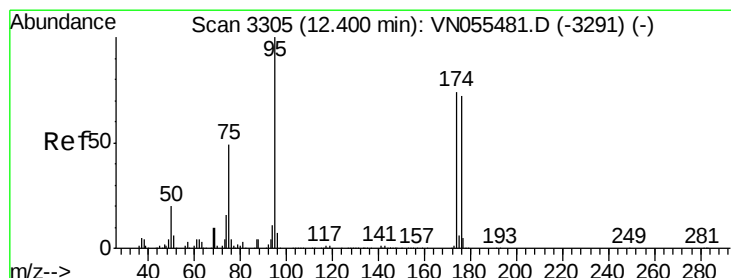
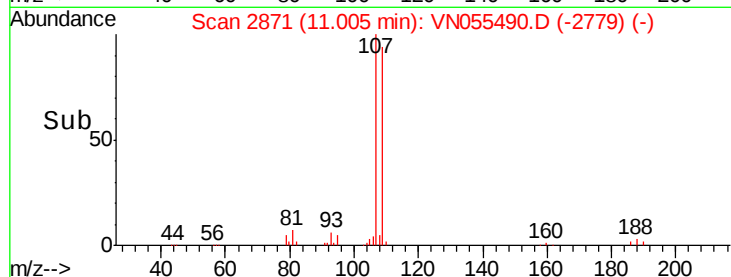
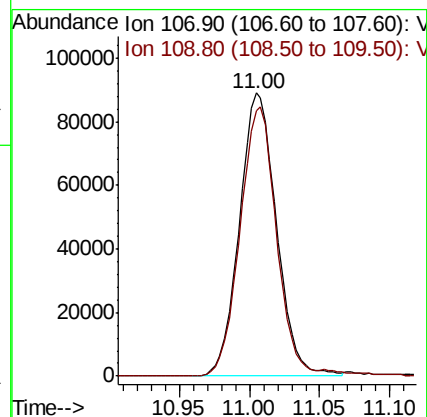
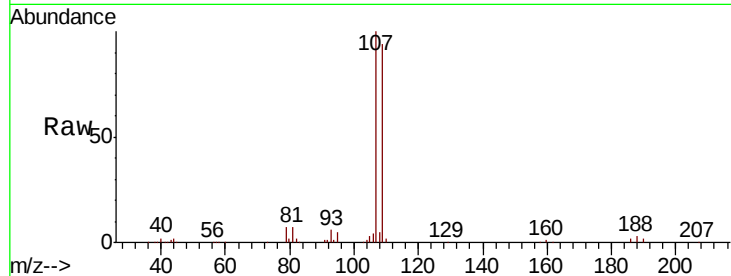




#61
 1,2-Dibromoethane
 Concen: 20.089 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

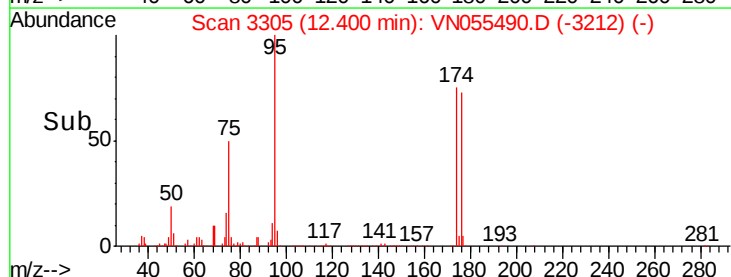
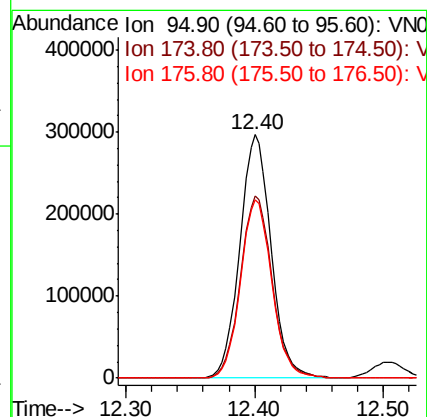
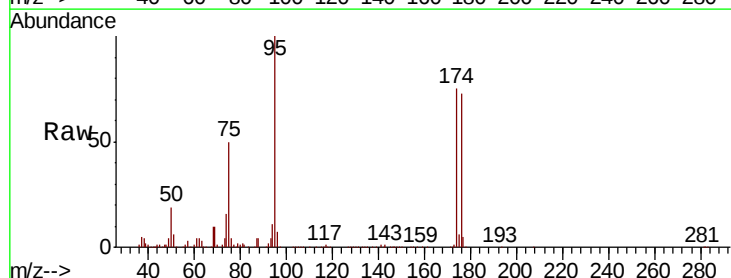
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

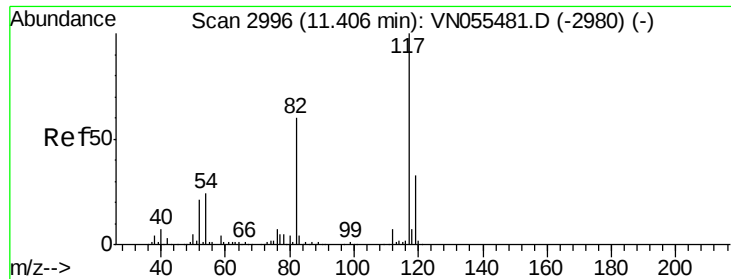
Tgt Ion: 107 Resp: 163999
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 49.183 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 95 Resp: 500149
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 152.2
 176 73.7 0.0 147.8

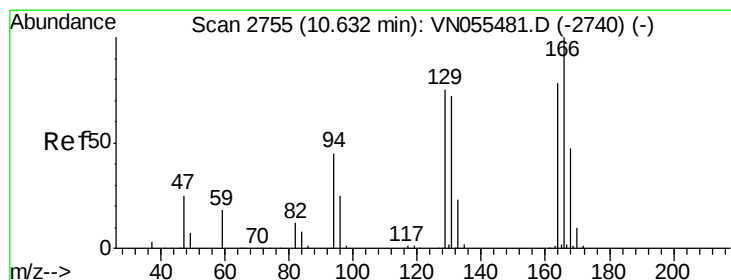
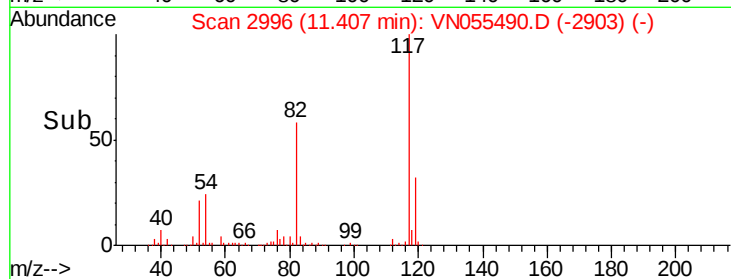
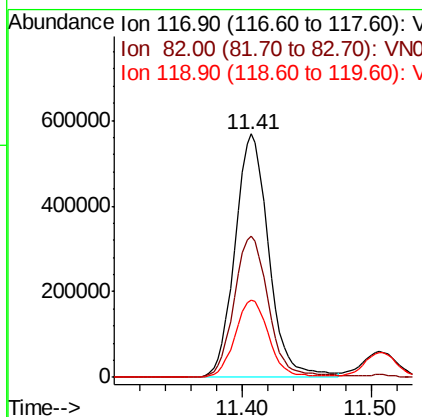
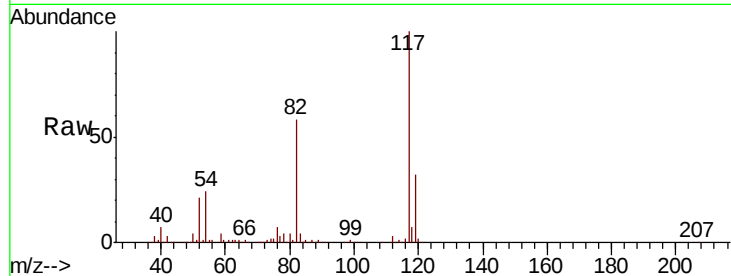




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

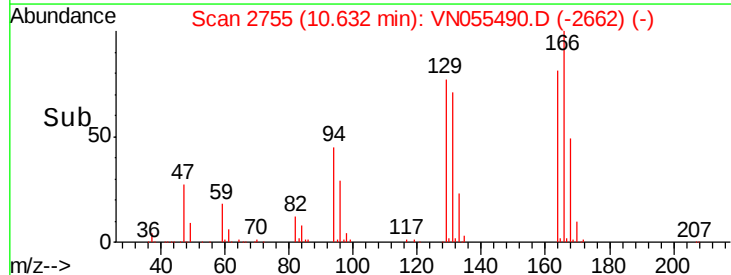
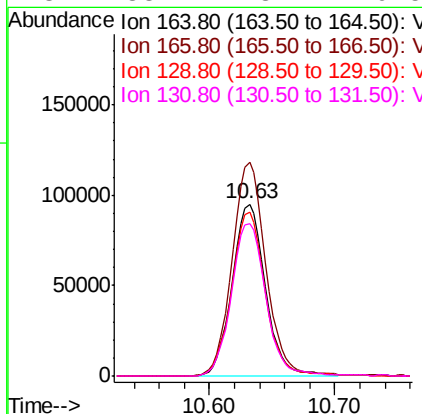
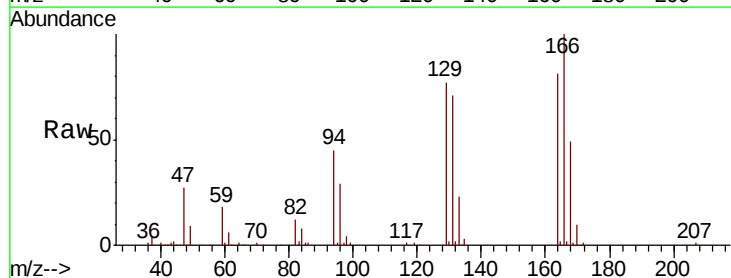
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

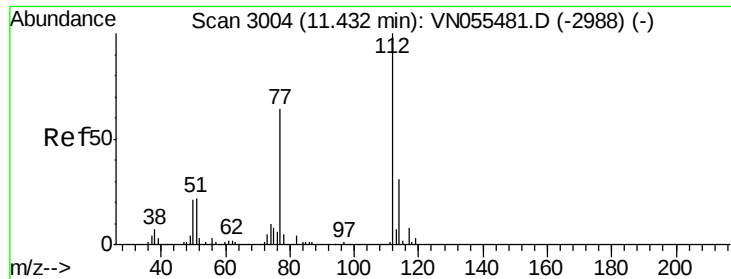
Tgt Ion:117 Resp: 1033642
Ion Ratio Lower Upper
117 100
82 58.1 48.0 72.0
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 20.680 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion:164 Resp: 175155
Ion Ratio Lower Upper
164 100
166 124.1 102.6 153.8
129 95.2 77.0 115.6
131 88.7 73.7 110.5





#65

Chlorobenzene

Concen: 20.573 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

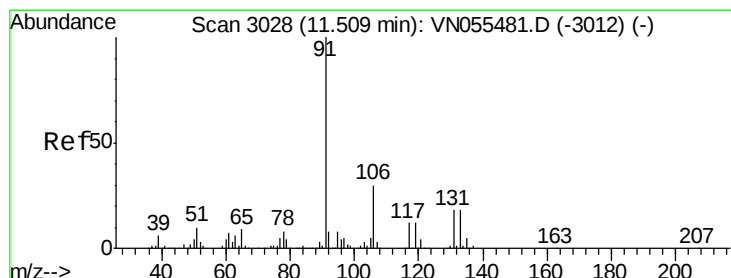
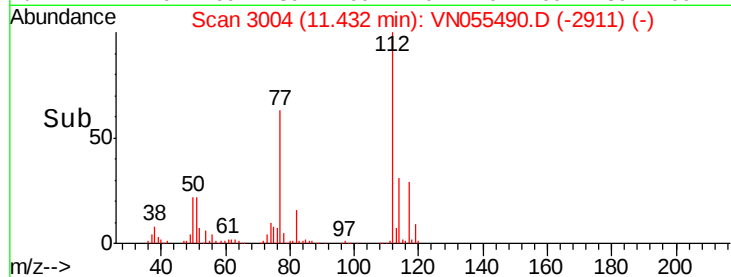
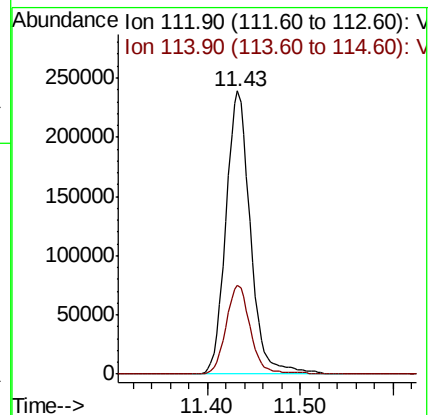
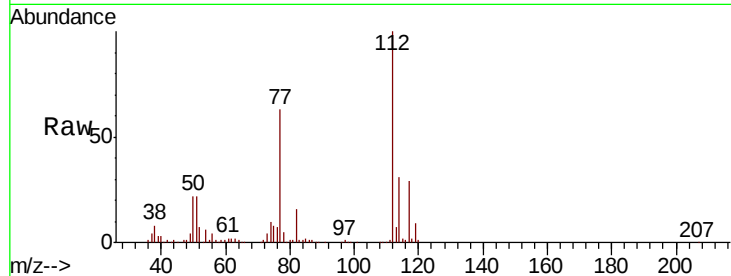
VN0509MBS01

Tgt Ion:112 Resp: 437501

Ion Ratio Lower Upper

112 100

114 31.5 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.618 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

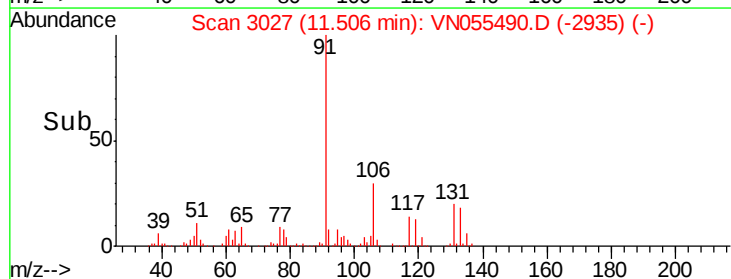
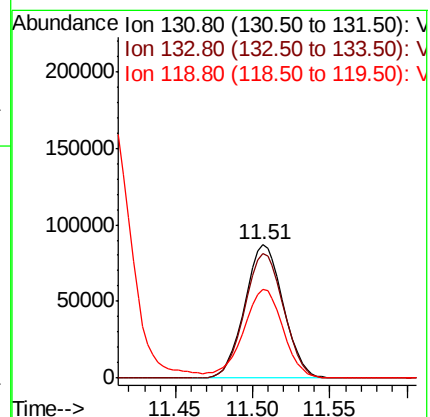
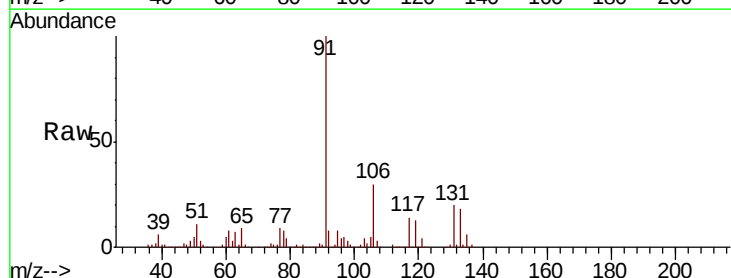
Tgt Ion:131 Resp: 150944

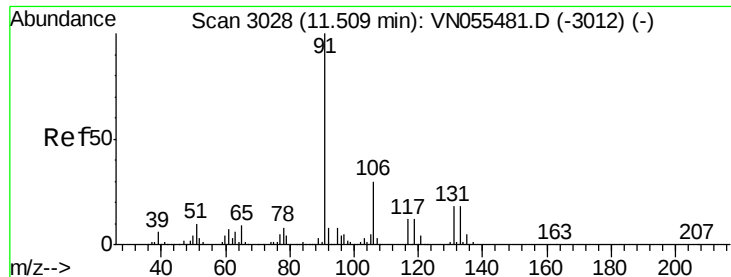
Ion Ratio Lower Upper

131 100

133 94.6 47.4 142.2

119 69.3 34.1 102.2





#67

Ethyl Benzene

Concen: 20.277 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

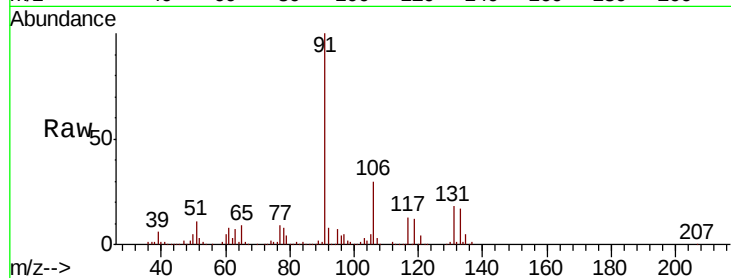
VN0509MBS01

Tgt Ion: 91 Resp: 809853

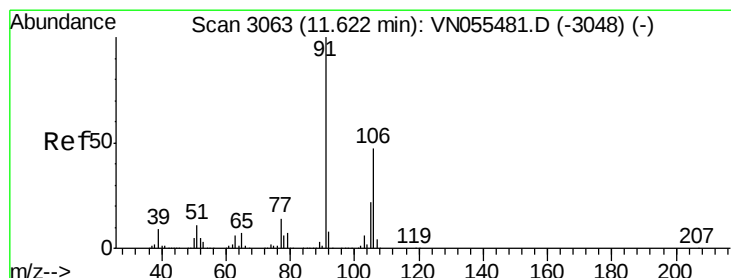
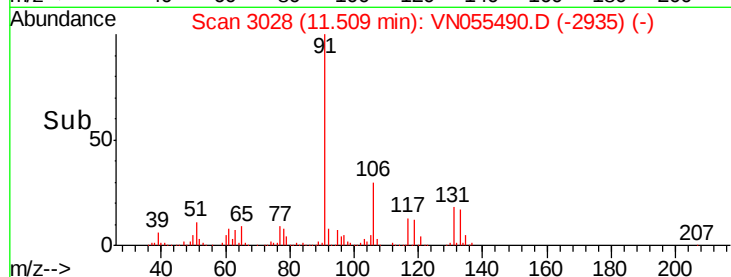
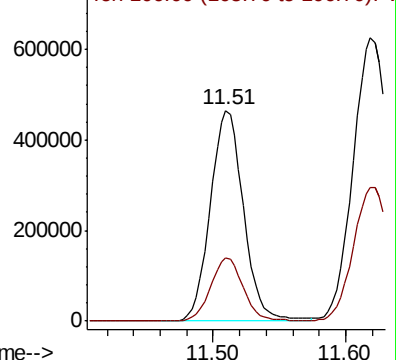
Ion Ratio Lower Upper

91 100

106 29.9 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3012) (-)



#68

m/p-Xylenes

Concen: 41.265 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055490.D

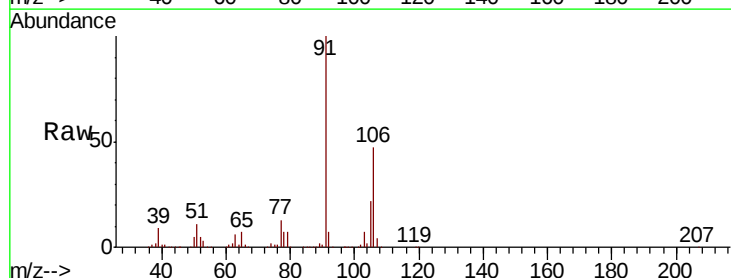
Acq: 9 May 2019 12:18

Tgt Ion: 106 Resp: 591465

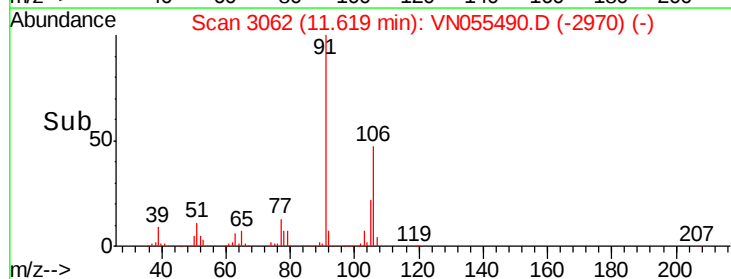
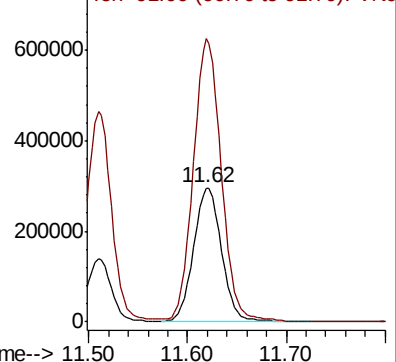
Ion Ratio Lower Upper

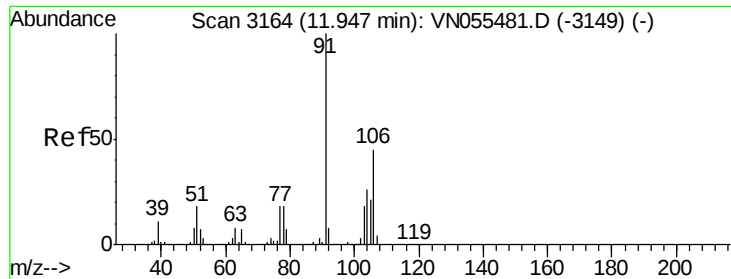
106 100

91 210.4 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055481.D (-3048) (-)

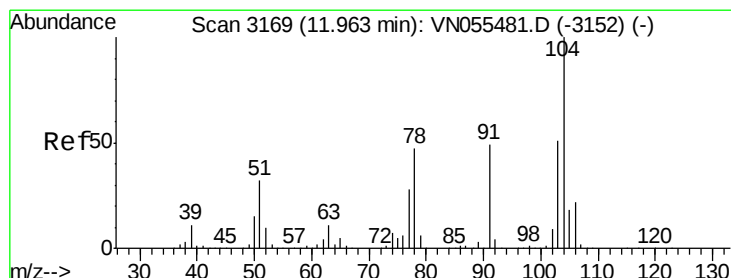
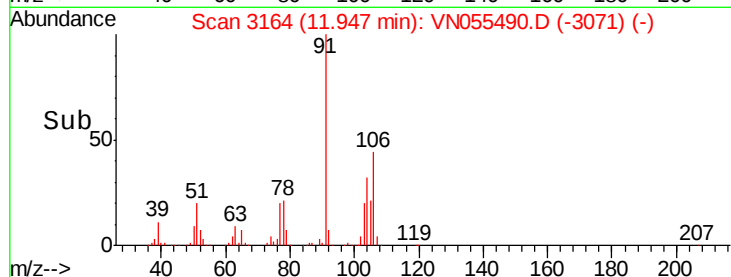
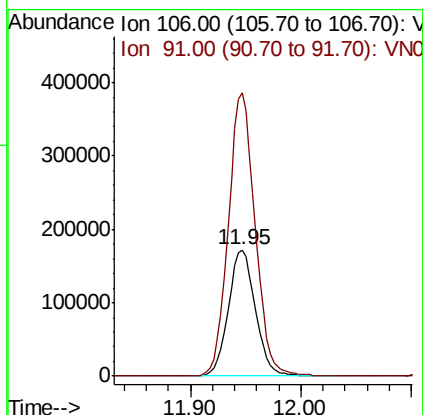
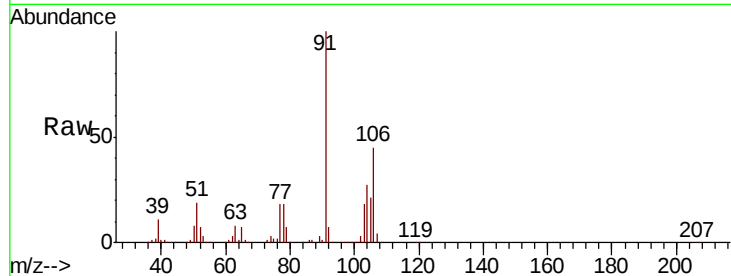




#69
o-Xylene
Concen: 20.778 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

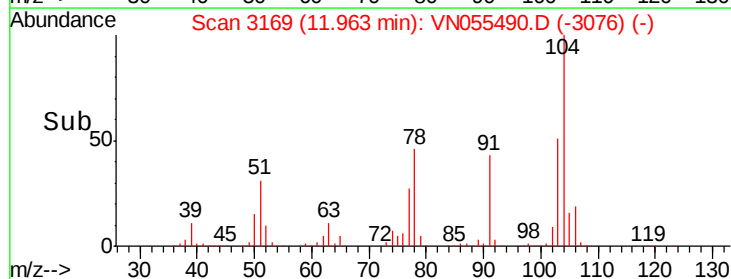
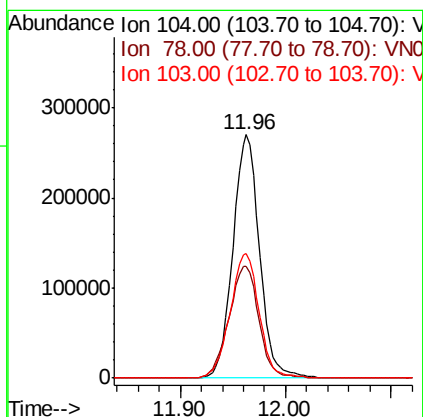
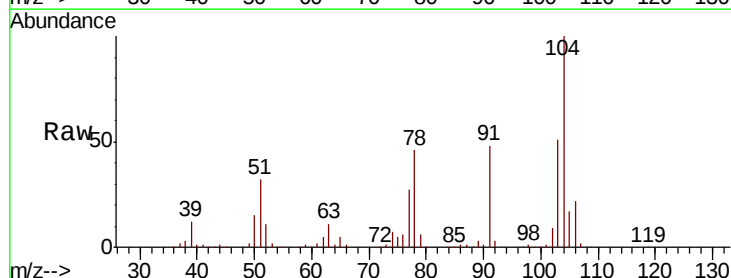
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

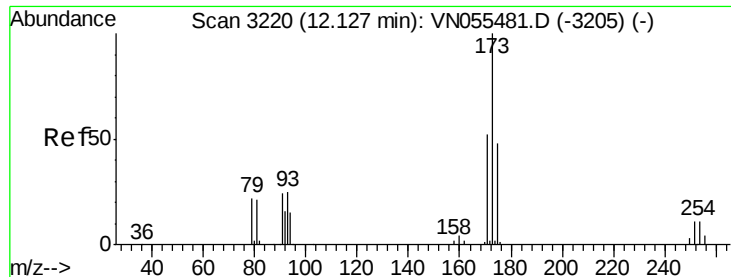
Tgt Ion:106 Resp: 292724
Ion Ratio Lower Upper
106 100
91 222.0 111.3 333.8



#70
Styrene
Concen: 20.834 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion:104 Resp: 470234
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 56.0 44.4 66.6





#71

Bromoform

Concen: 20.594 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

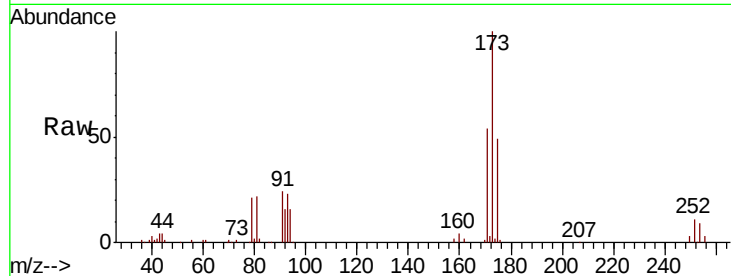
Tgt Ion:173 Resp: 101743

Ion Ratio Lower Upper

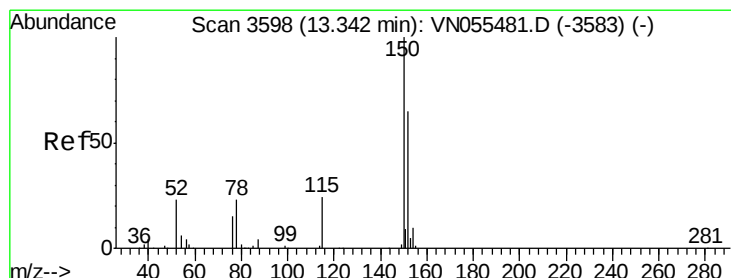
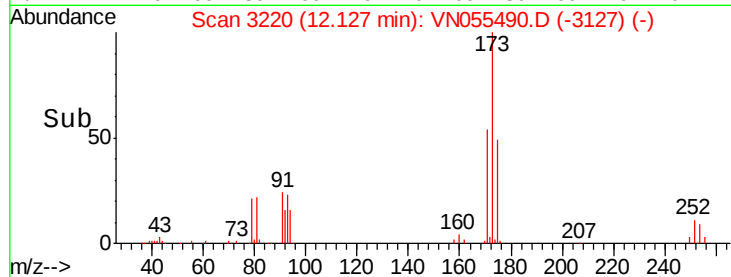
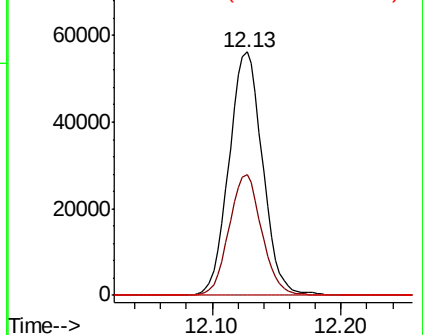
173 100

175 48.0 24.1 72.4

254 0.1 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: VN055490.D

Acq: 9 May 2019 12:18

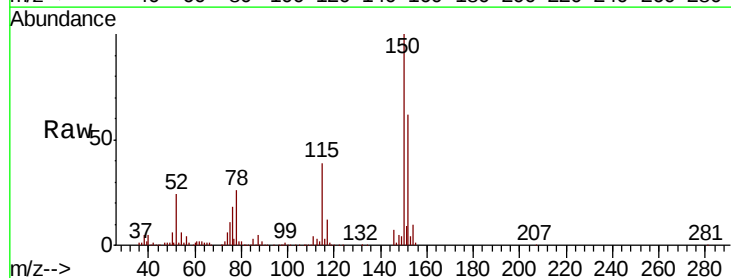
Tgt Ion:152 Resp: 405911

Ion Ratio Lower Upper

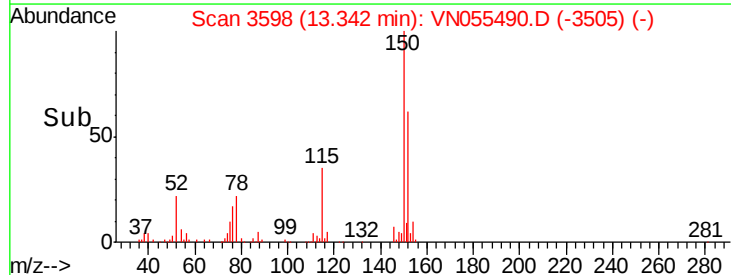
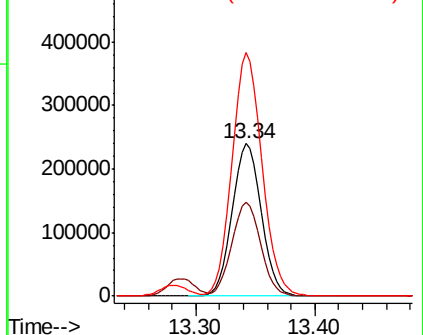
152 100

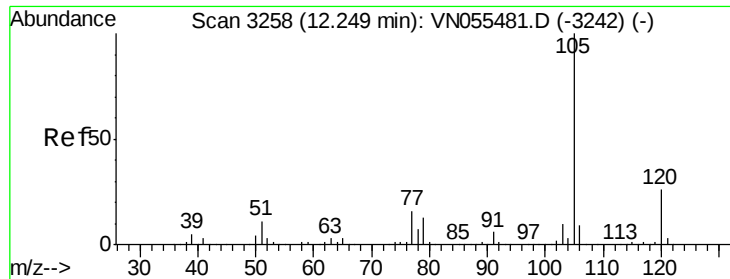
115 61.0 30.1 90.5

150 165.2 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: 21.696 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

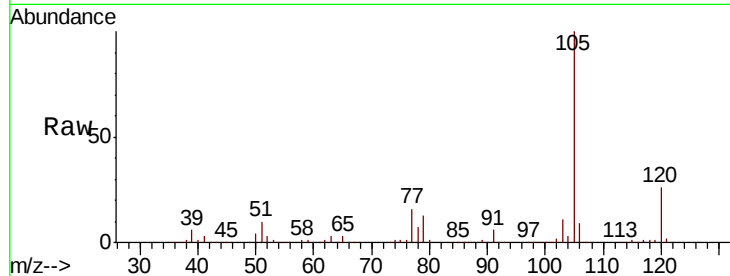
VN0509MBS01

Tgt Ion: 105 Resp: 773632

Ion Ratio Lower Upper

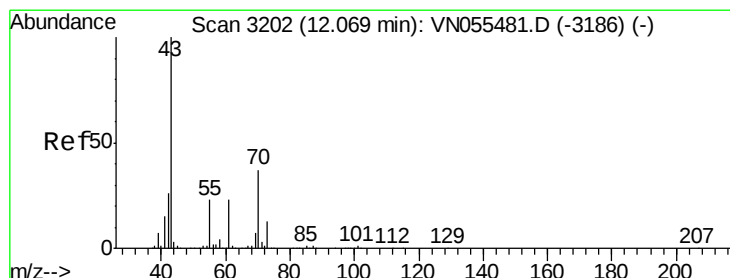
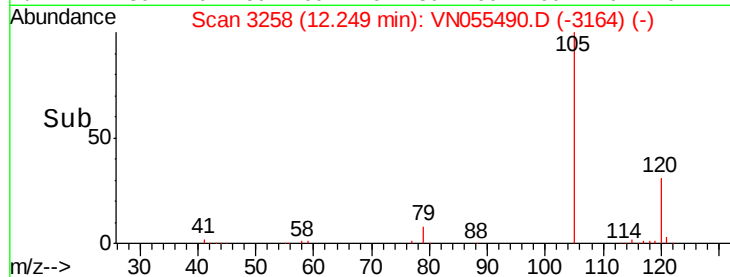
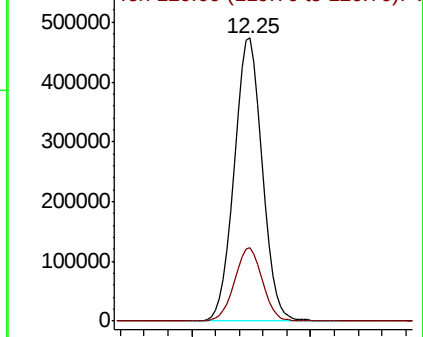
105 100

120 25.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.327 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Tgt Ion: 43 Resp: 282431

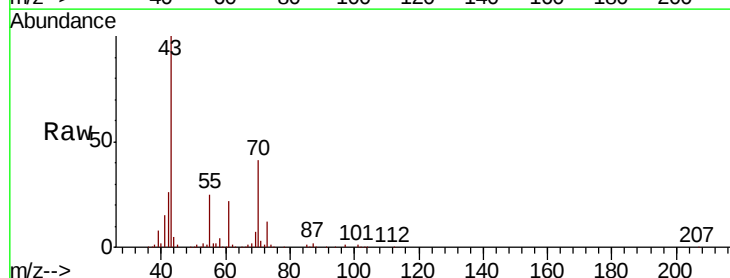
Ion Ratio Lower Upper

43 100

70 39.6 30.7 46.1

55 25.5 19.3 28.9

61 23.1 18.6 27.8

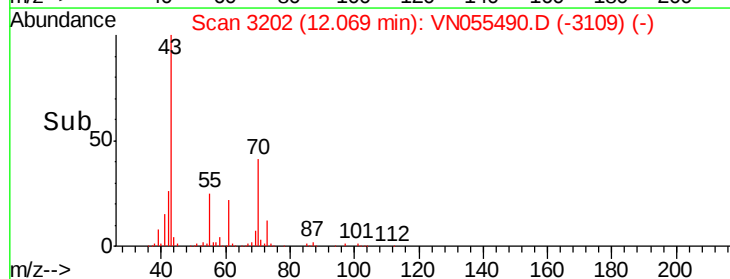
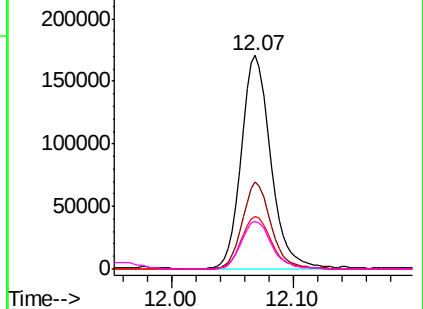


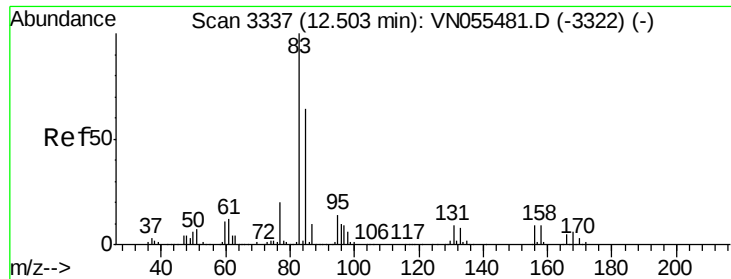
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.579 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

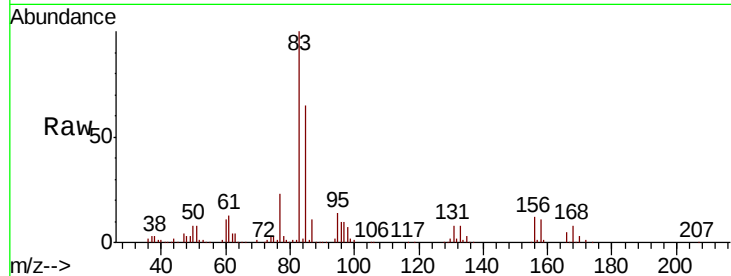
Tgt Ion: 83 Resp: 239611

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.5

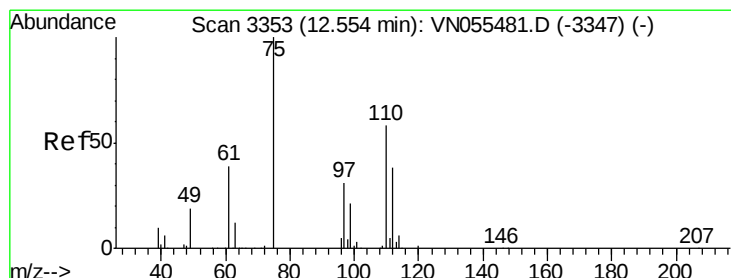
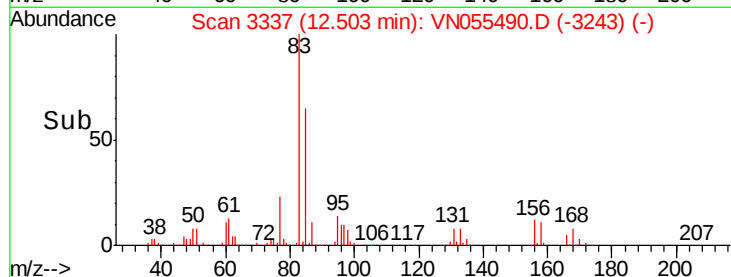
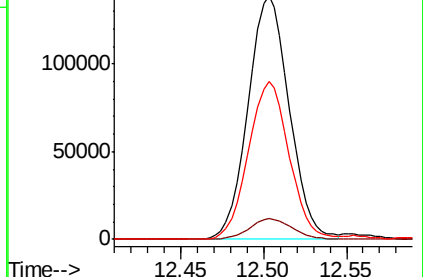
85 64.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055481.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055481.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055481.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 26.216 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055490.D

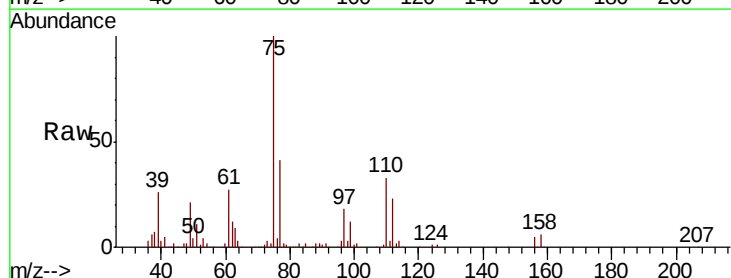
Acq: 9 May 2019 12:18

Tgt Ion: 75 Resp: 289691

Ion Ratio Lower Upper

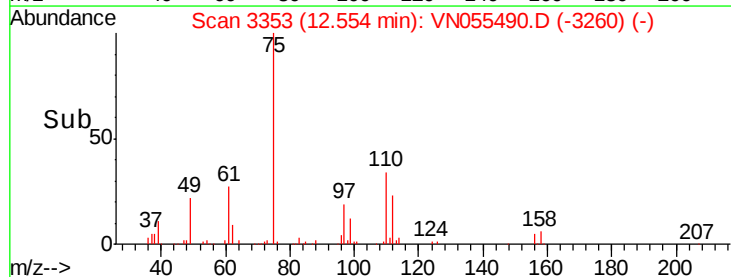
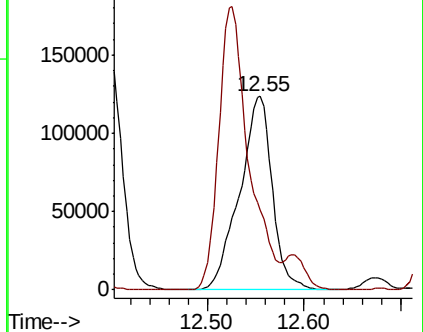
75 100

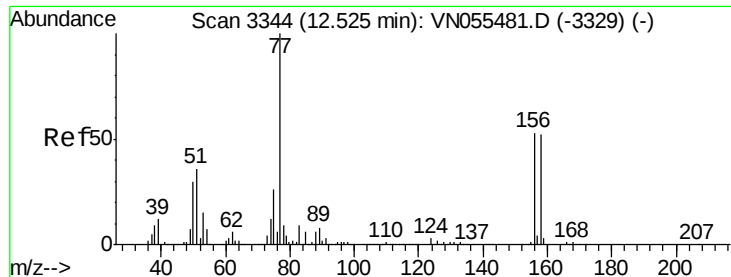
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055481.D (-3347) (-)





#77

Bromobenzene

Concen: 19.469 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

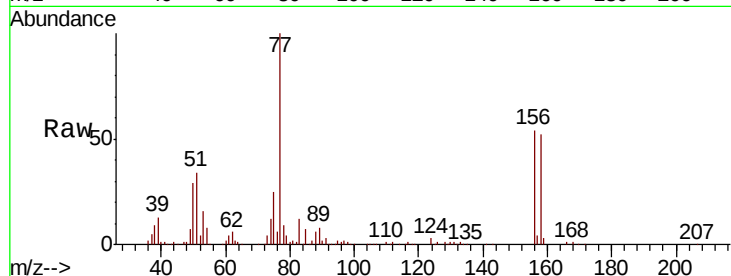
Tgt Ion:156 Resp: 174163

Ion Ratio Lower Upper

156 100

77 224.4 115.4 346.2

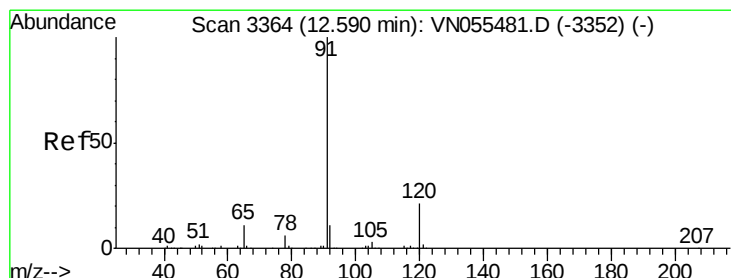
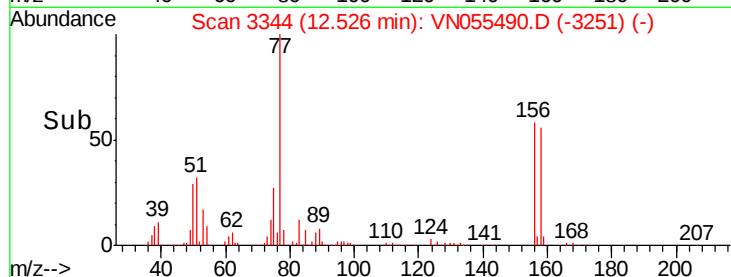
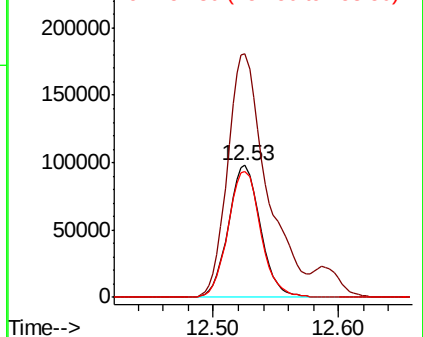
158 97.3 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.949 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055490.D

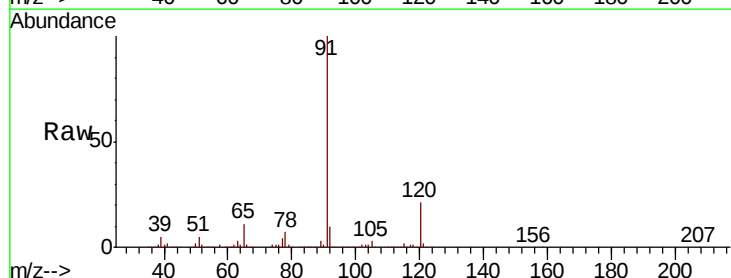
Acq: 9 May 2019 12:18

Tgt Ion: 91 Resp: 868512

Ion Ratio Lower Upper

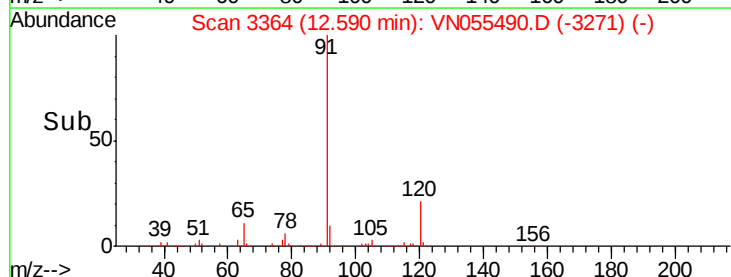
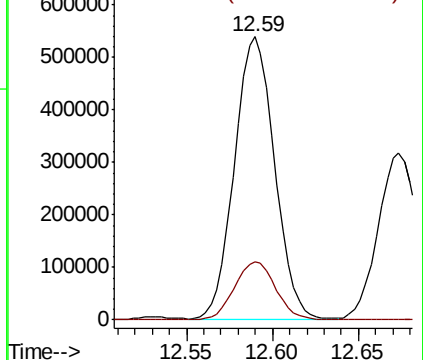
91 100

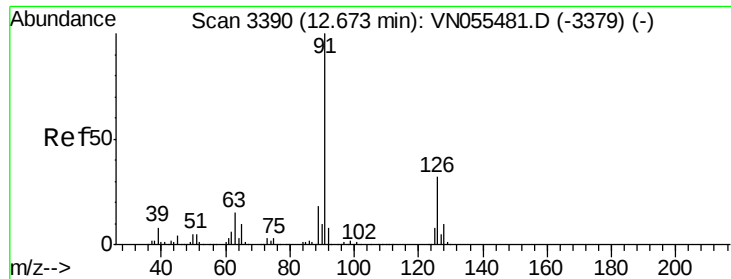
120 21.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

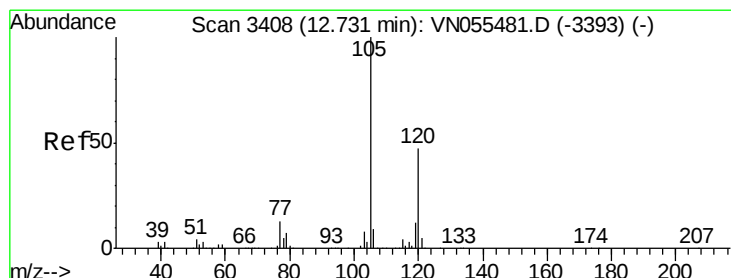
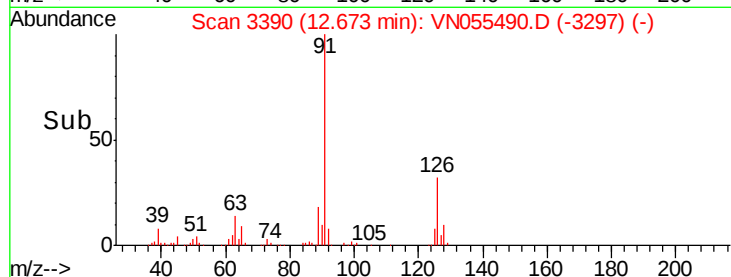
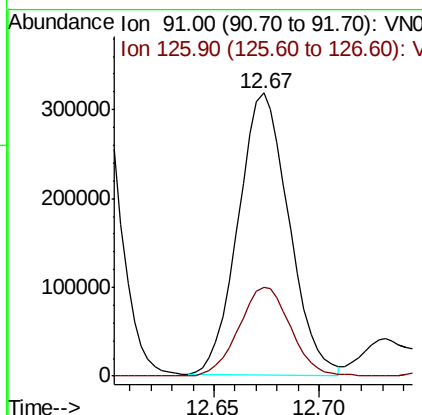
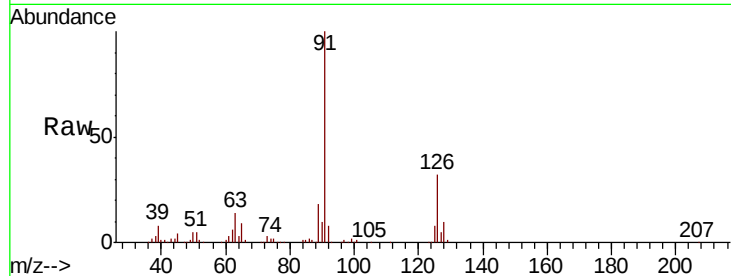




#79
 2-Chlorotoluene
 Concen: 19.521 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

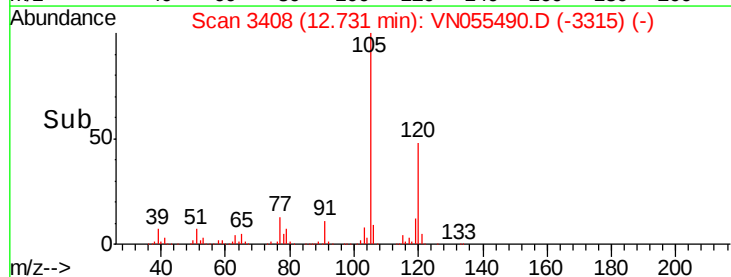
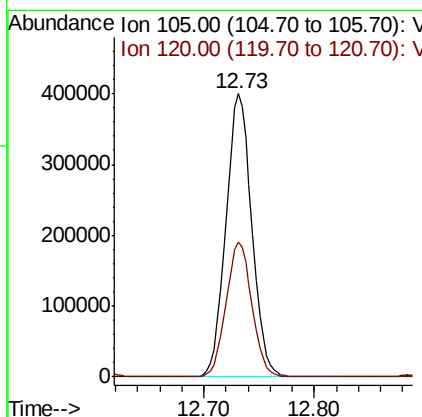
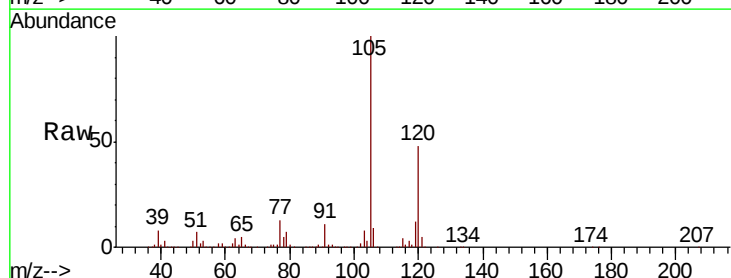
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

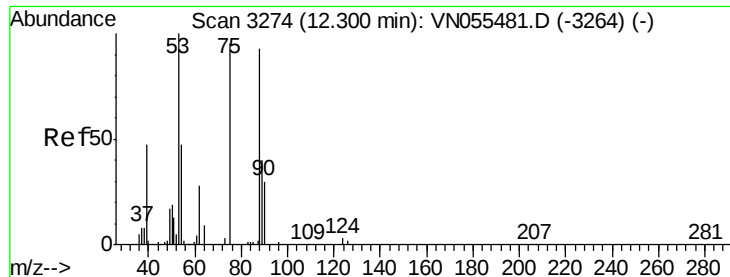
Tgt Ion: 91 Resp: 529643
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.937 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion: 105 Resp: 647199
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.556 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0509MBS01

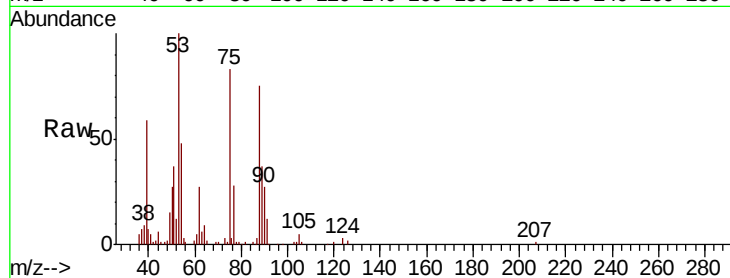
Tgt Ion: 75 Resp: 55571

Ion Ratio Lower Upper

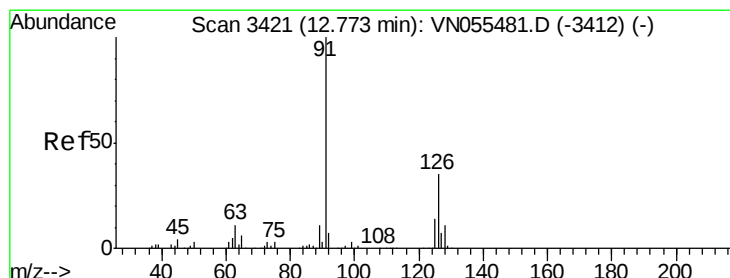
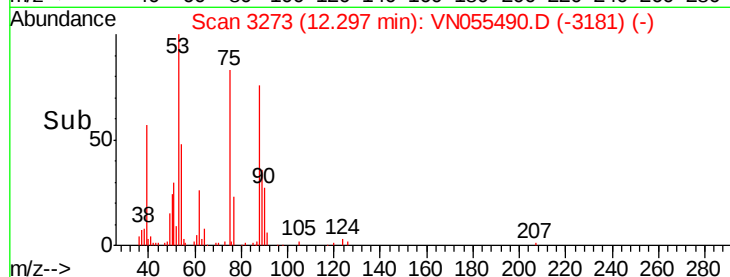
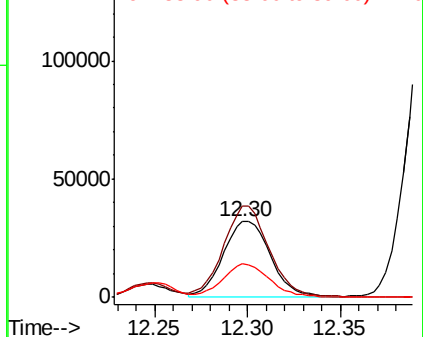
75 100

53 119.7 86.5 129.7

89 45.4 35.7 53.5



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.555 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055490.D

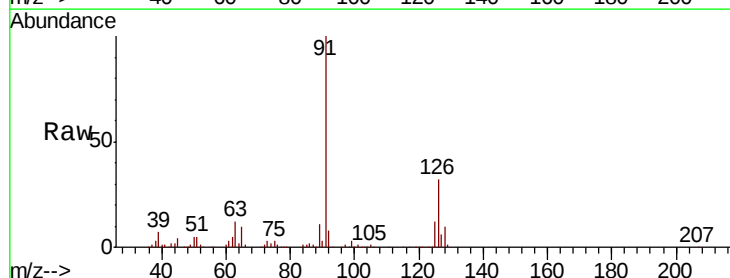
Acq: 9 May 2019 12:18

Tgt Ion: 91 Resp: 501334

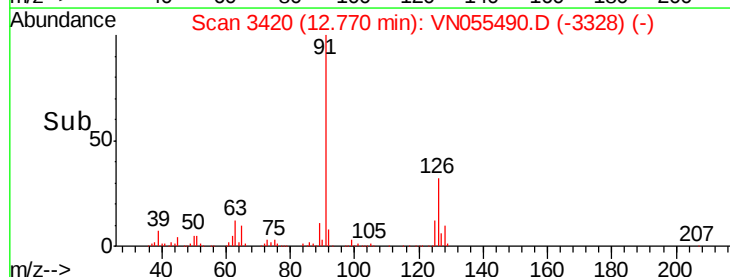
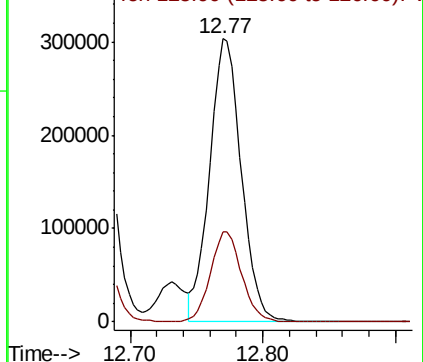
Ion Ratio Lower Upper

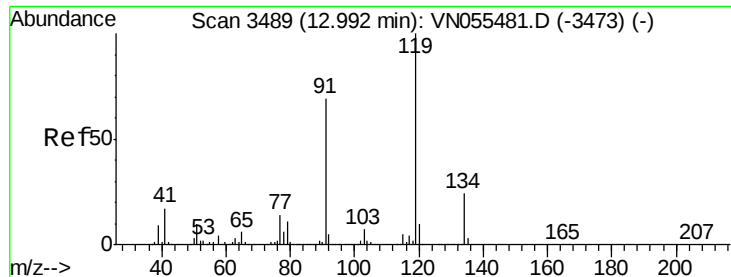
91 100

126 31.6 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

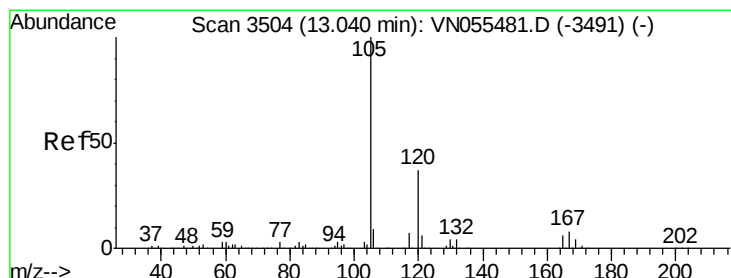
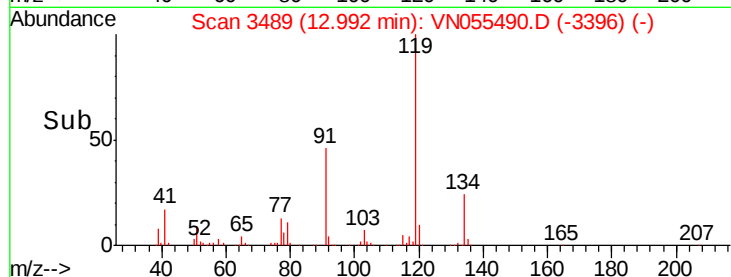
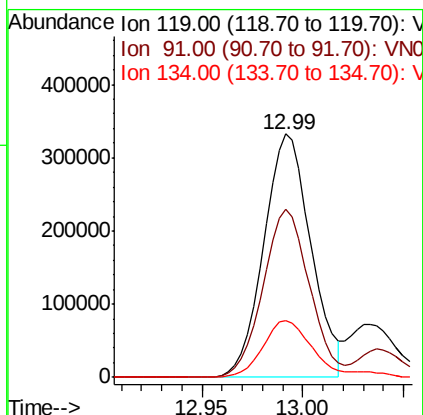
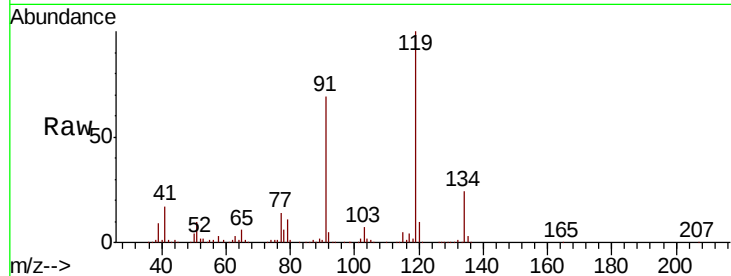




#83
tert-Butylbenzene
Concen: 19.431 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

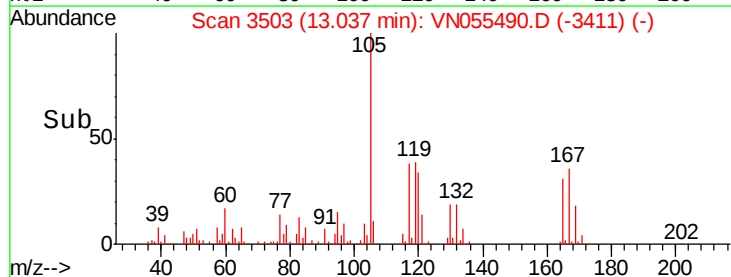
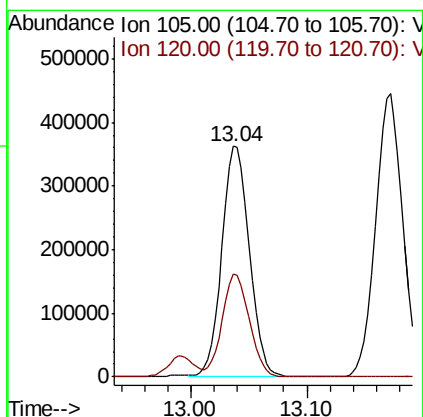
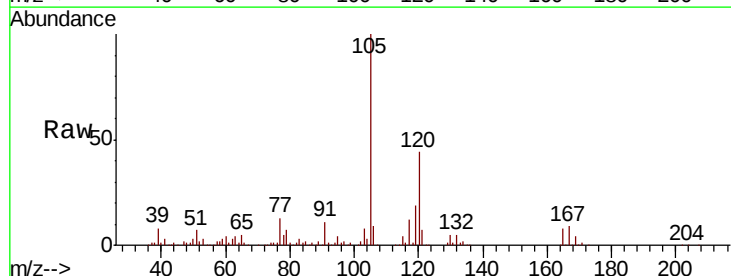
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

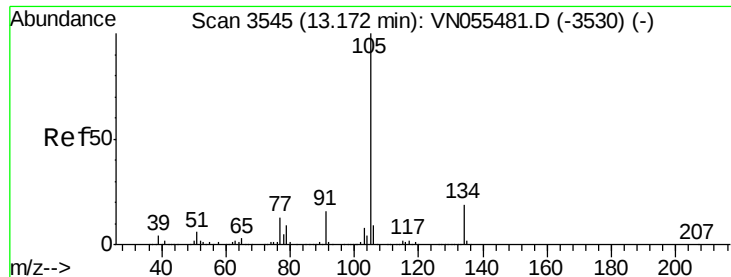
Tgt Ion:119 Resp: 540688
Ion Ratio Lower Upper
119 100
91 67.9 33.8 101.3
134 25.5 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 19.986 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion:105 Resp: 595021
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.605 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

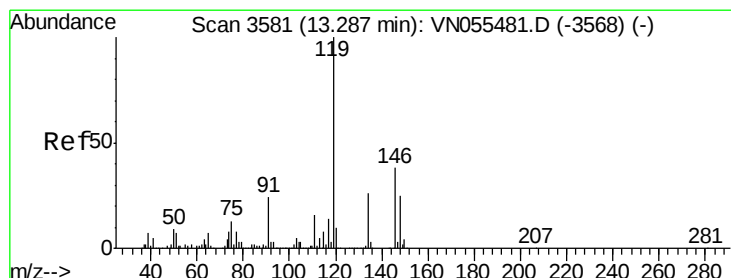
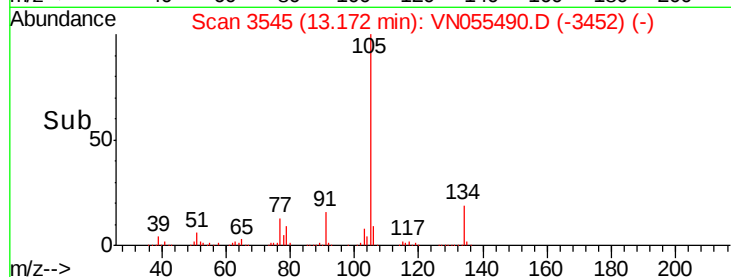
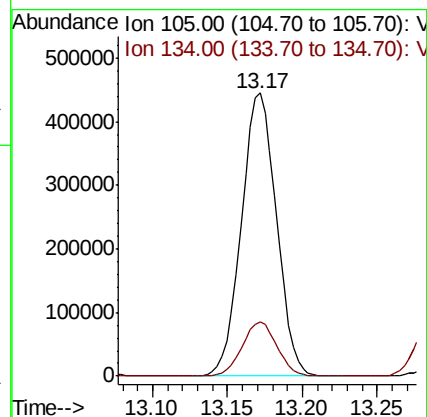
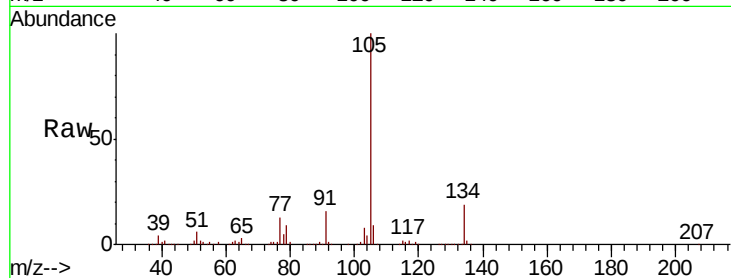
VN0509MBS01

Tgt Ion:105 Resp: 724995

Ion Ratio Lower Upper

105 100

134 19.0 9.3 28.0



#86

p-Isopropyltoluene

Concen: 19.892 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

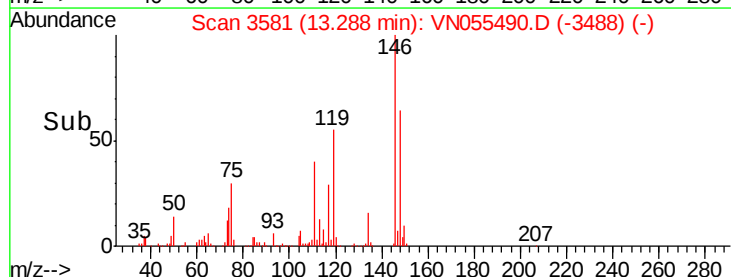
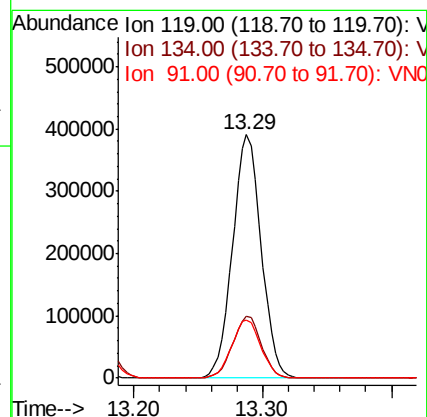
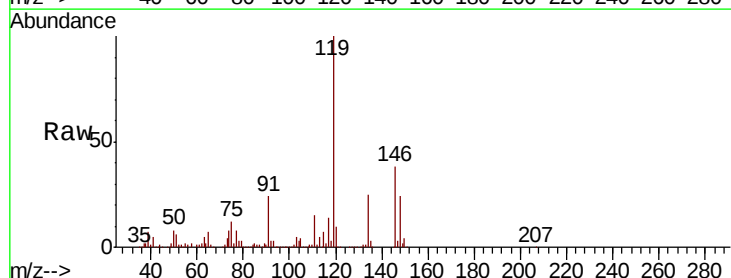
Tgt Ion:119 Resp: 598667

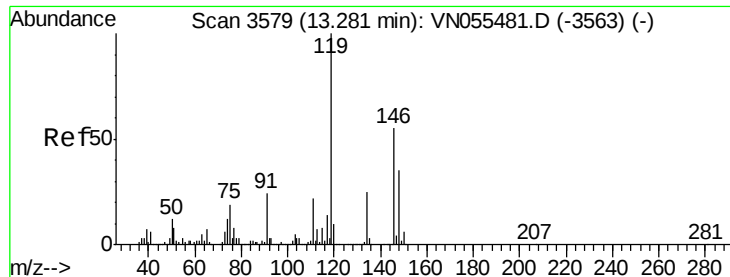
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.3 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 20.244 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

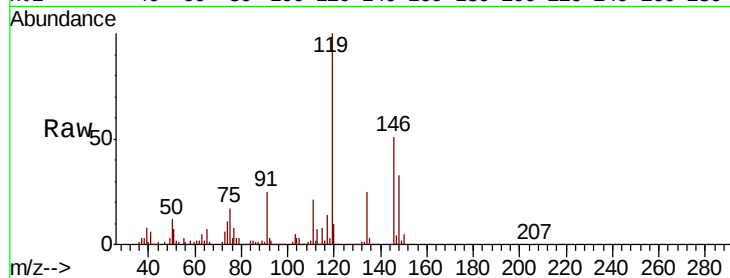
Tgt Ion:146 Resp: 279825

Ion Ratio Lower Upper

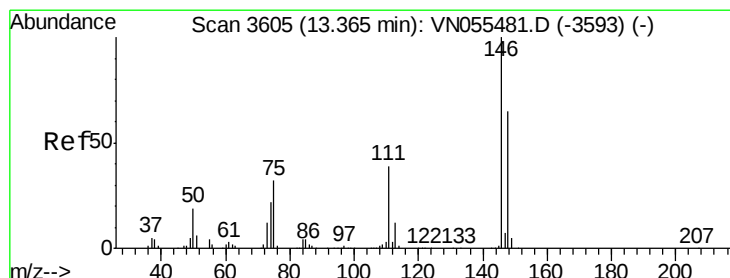
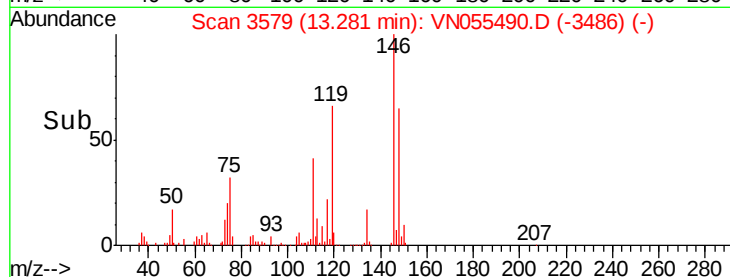
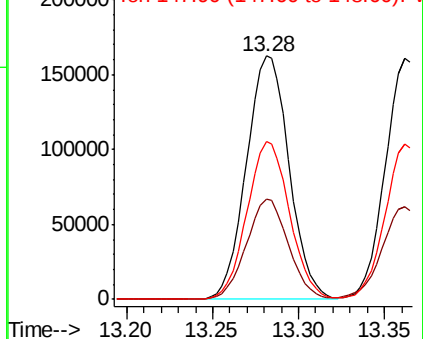
146 100

111 40.5 20.4 61.3

148 64.5 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 19.885 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

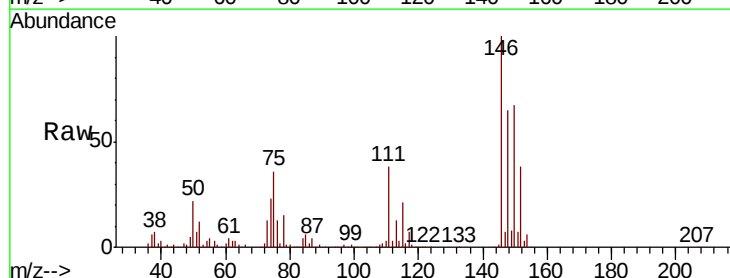
Tgt Ion:146 Resp: 271256

Ion Ratio Lower Upper

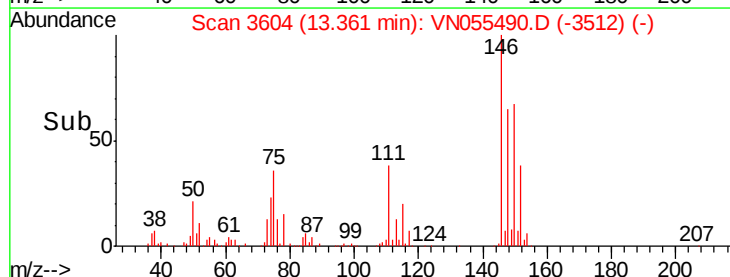
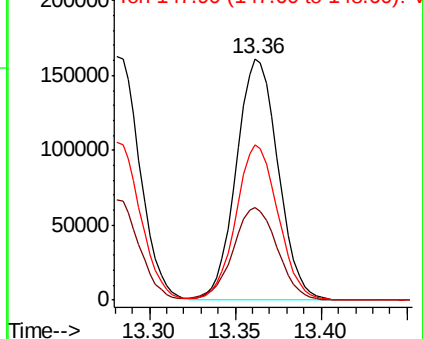
146 100

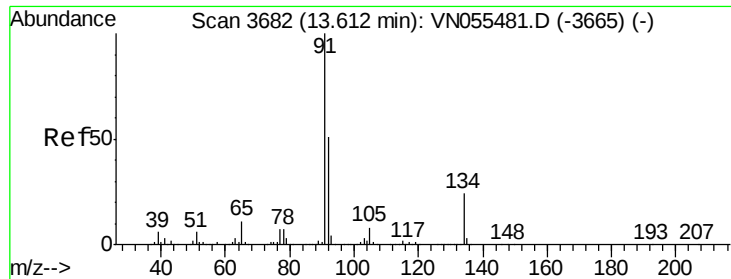
111 40.8 19.6 58.8

148 65.4 32.5 97.4



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





#89

n-Butylbenzene

Concen: 19.058 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

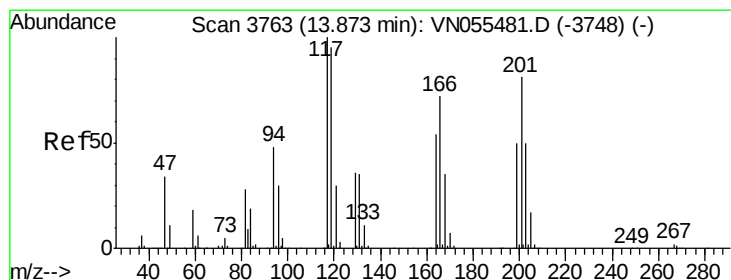
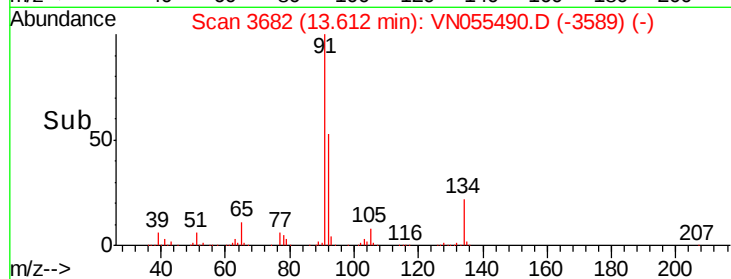
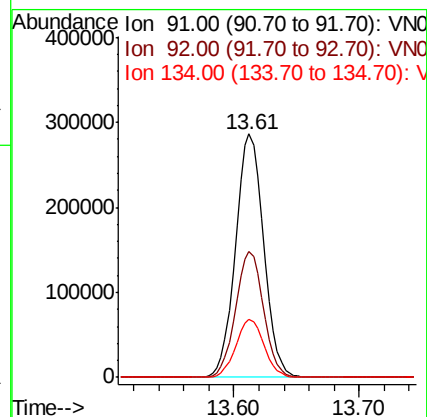
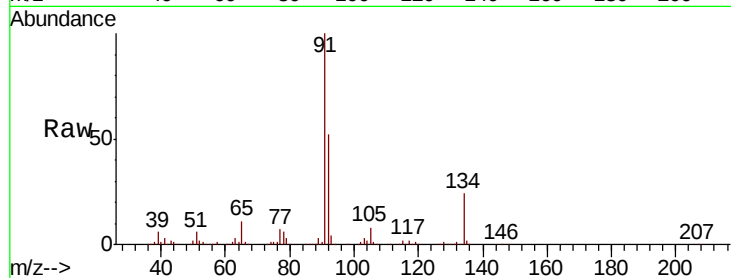
Tgt Ion: 91 Resp: 444590

Ion Ratio Lower Upper

91 100

92 51.2 25.9 77.7

134 23.8 11.8 35.4



#90

Hexachloroethane

Concen: 19.590 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055490.D

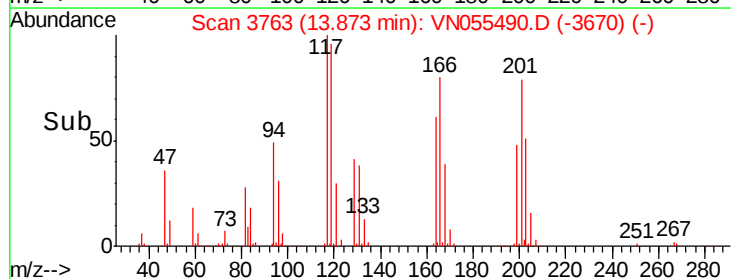
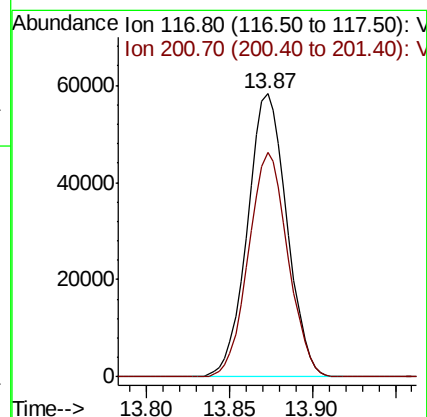
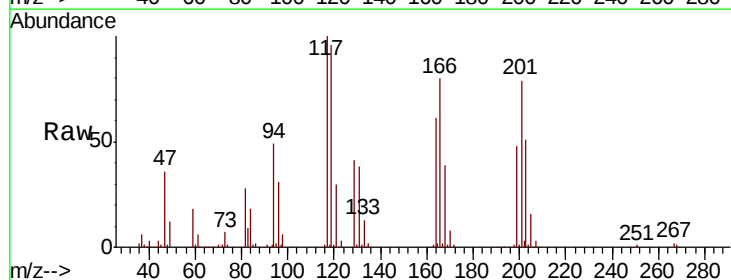
Acq: 9 May 2019 12:18

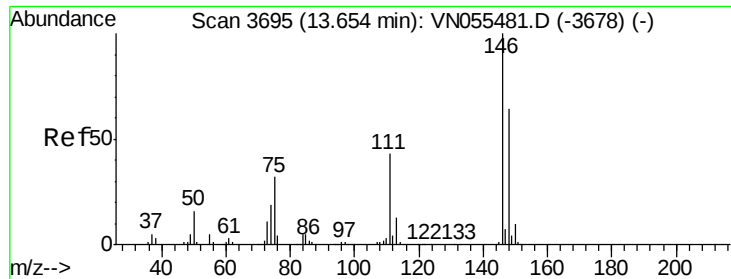
Tgt Ion: 117 Resp: 96175

Ion Ratio Lower Upper

117 100

201 79.1 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 20.616 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBS01

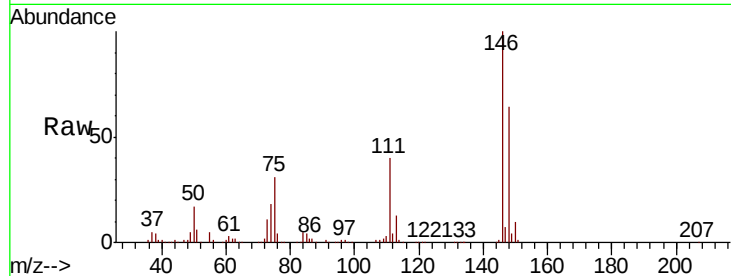
Tgt Ion:146 Resp: 284813

Ion Ratio Lower Upper

146 100

111 41.2 21.3 63.7

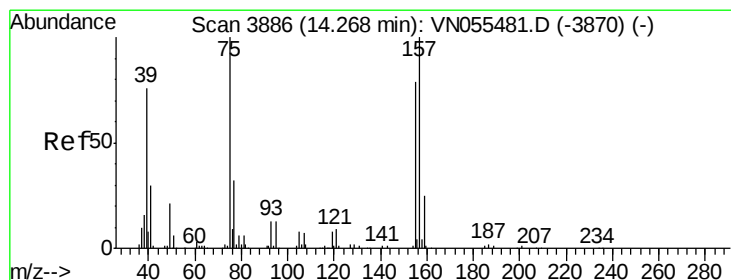
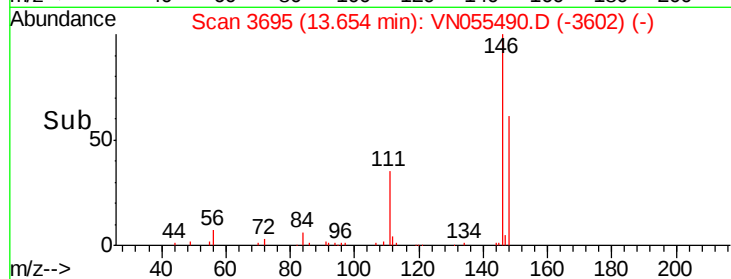
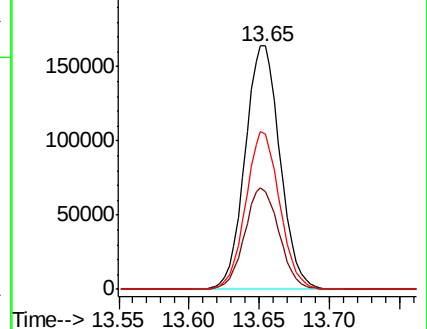
148 62.9 31.9 95.9



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: 17.301 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055490.D

Acq: 9 May 2019 12:18

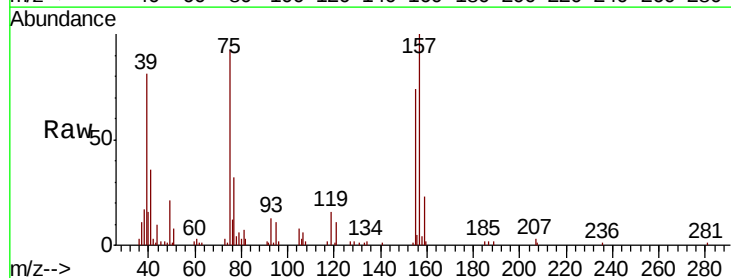
Tgt Ion: 75 Resp: 32294

Ion Ratio Lower Upper

75 100

155 81.1 39.3 117.8

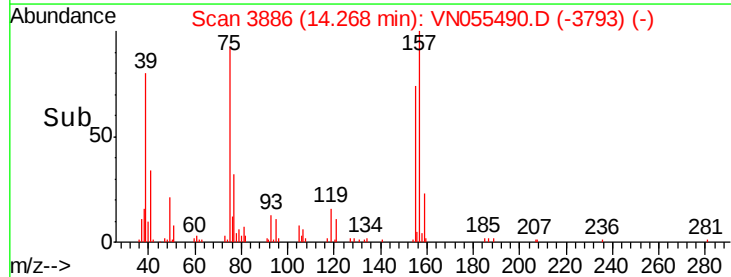
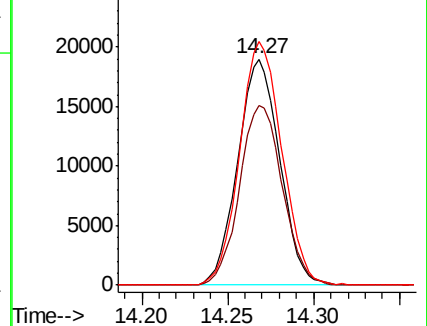
157 108.4 50.6 151.8

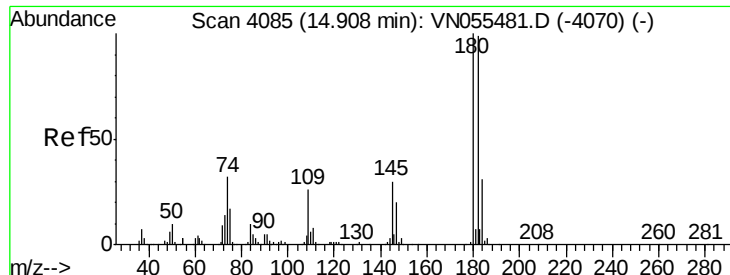


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

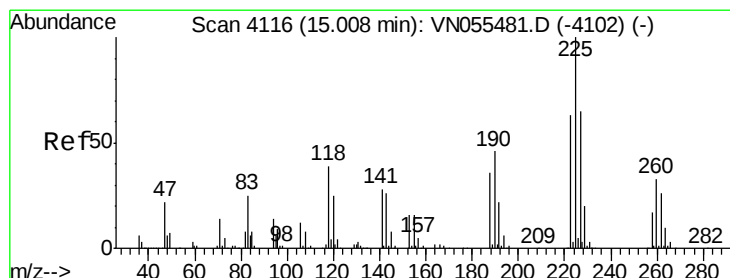
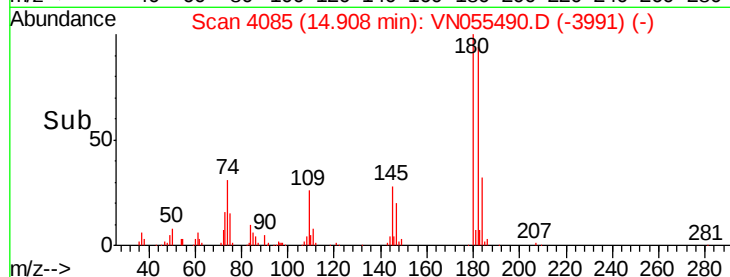
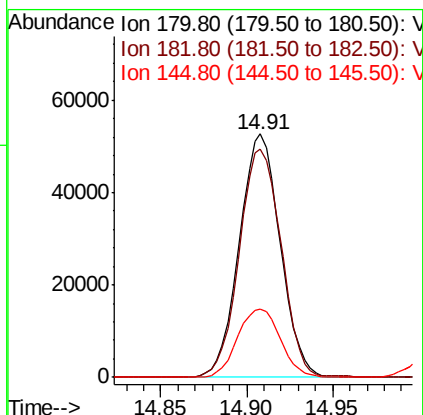
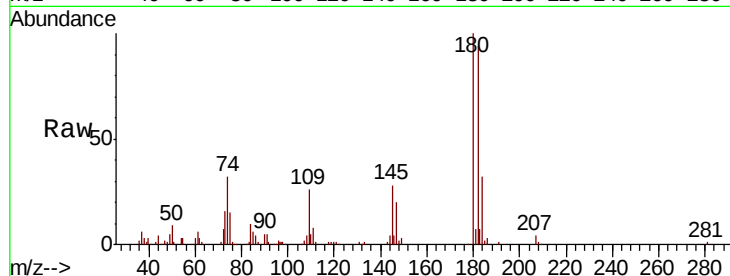




#93
 1,2,4-Trichlorobenzene
 Concen: 16.741 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

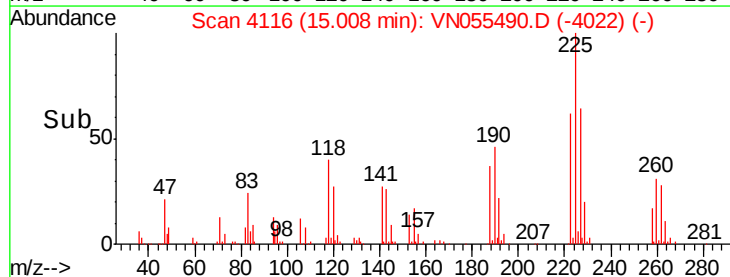
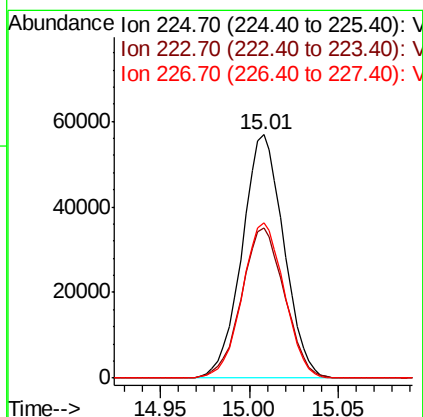
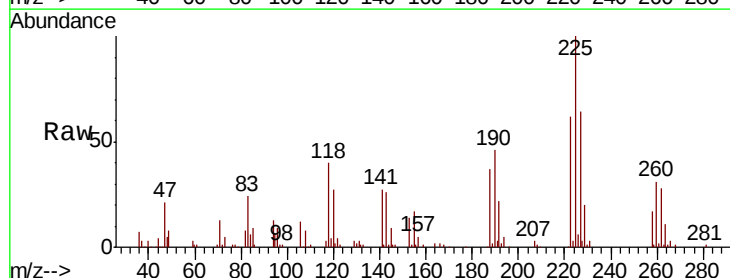
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS01

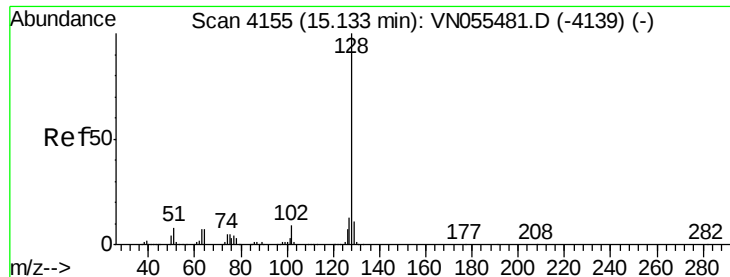
Tgt Ion:180 Resp: 87000
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.7 146.1
 145 29.4 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 21.468 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055490.D
 Acq: 9 May 2019 12:18

Tgt Ion:225 Resp: 93202
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.4 94.3
 227 64.0 32.0 96.0

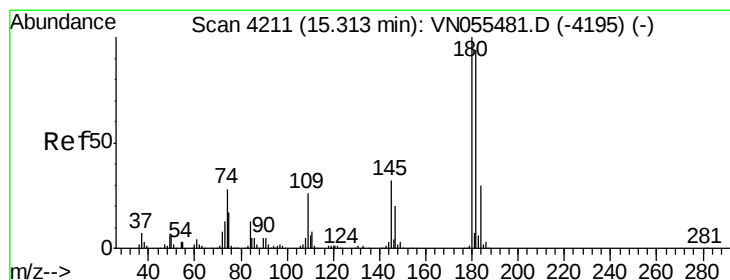
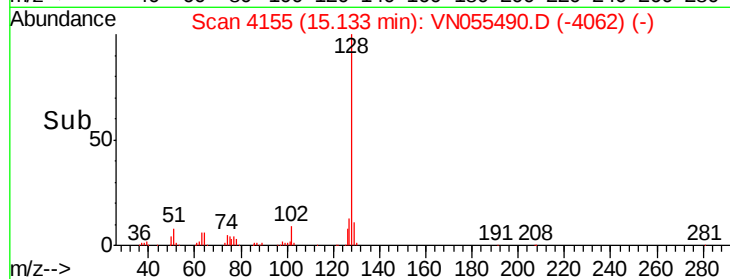
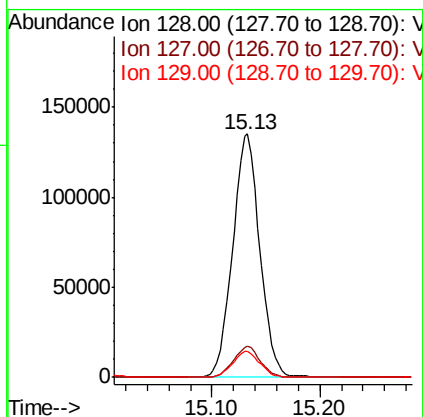
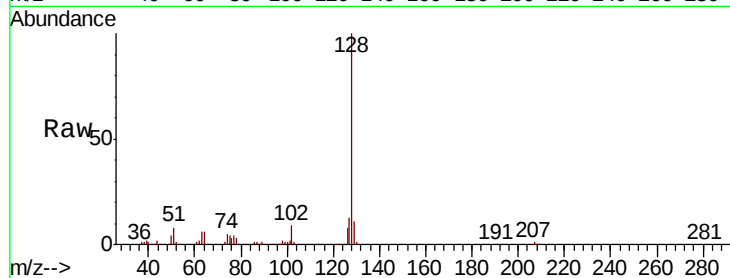




#95
Naphthalene
Concen: 16.096 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tgt Ion:128 Resp: 236608
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 16.856 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055490.D
Acq: 9 May 2019 12:18

Tgt Ion:180 Resp: 98803
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.3
145 32.7 15.8 47.4

