

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100824\
 Data File : VX043316.D
 Acq On : 08 Oct 2024 11:17
 Operator : JC/MD
 Sample : P4341-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 01:34:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

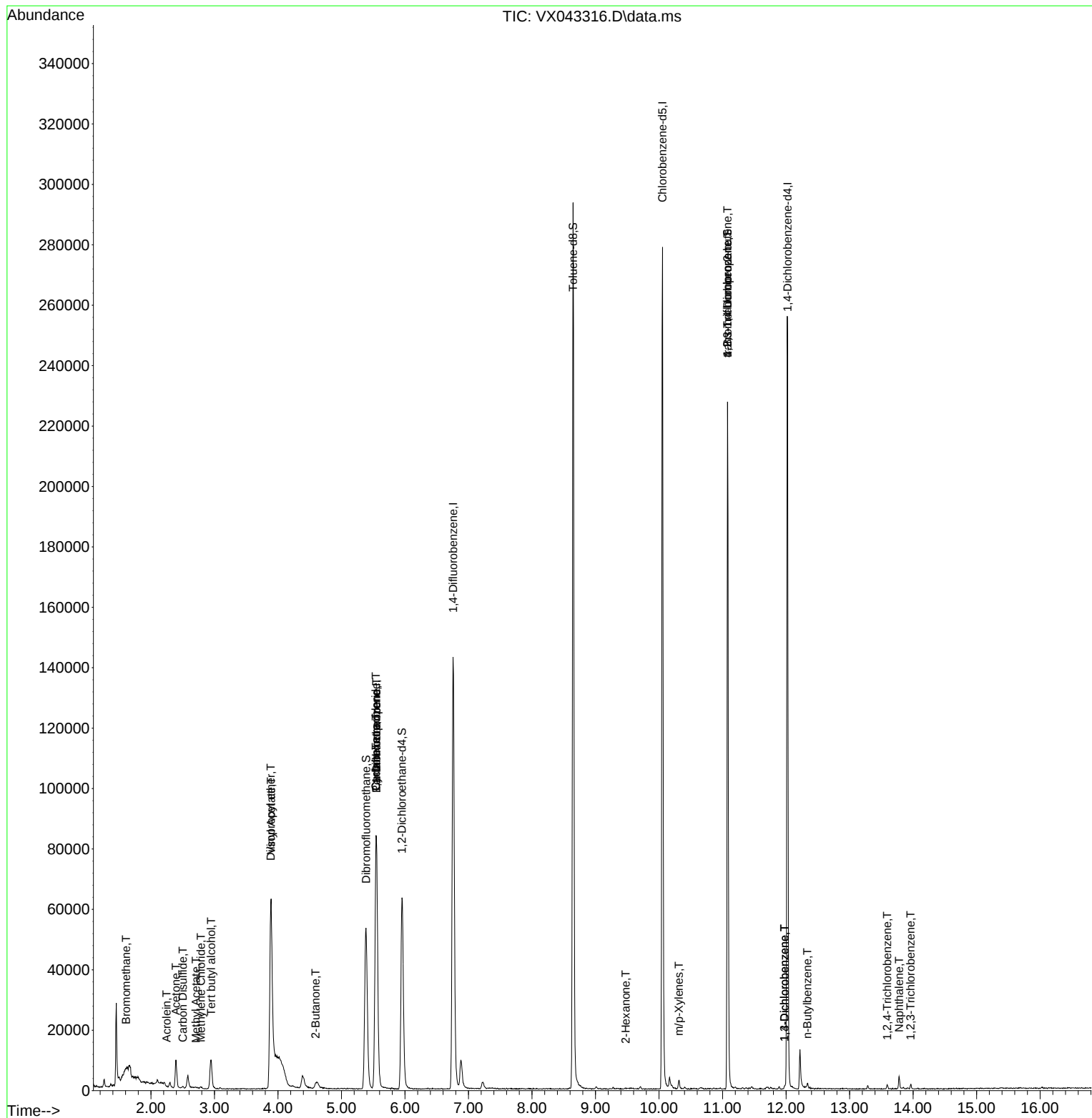
Internal Standards						
1) Pentafluorobenzene	5.550	168	77731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145038	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65838	51.863	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.720%			
35) Dibromofluoromethane	5.385	113	47609	47.598	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.200%			
50) Toluene-d8	8.647	98	172632	49.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.600%			
62) 4-Bromofluorobenzene	11.079	95	60967	48.414	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.820%			
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	126	0.331	ug/l	96
11) Tert butyl alcohol	2.947	59	6085	25.189	ug/l #	71
13) Acrolein	2.245	56	160	0.701	ug/l #	1
16) Acetone	2.392	43	11057	20.857	ug/l	90
17) Carbon Disulfide	2.501	76	666	0.317	ug/l #	76
18) Methyl Acetate	2.709	43	308	0.232	ug/l #	51
20) Methylene Chloride	2.788	84	240	0.246	ug/l	92
22) Diisopropyl ether	3.885	45	5065	1.775	ug/l #	1
23) Vinyl Acetate	3.891	43	14030	10.741	ug/l #	71
25) 2-Butanone	4.593	43	818	1.125	ug/l #	49
31) Cyclohexane	5.544	56	1910	1.394	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	6804	5.385	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8983	6.005	ug/l #	15
59) 2-Hexanone	9.476	43	393	0.341	ug/l #	26
68) m/p-Xylenes	10.311	106	352	0.203	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	33436	28.280	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	33436	73.292	ug/l #	8
87) 1,3-Dichlorobenzene	11.975	146	394	0.222	ug/l	88
88) 1,4-Dichlorobenzene	11.975	146	394	0.215	ug/l	87
89) n-Butylbenzene	12.335	91	647	0.222	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	437	0.417	ug/l	92
95) Naphthalene	13.780	128	3365	0.874	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	497	0.460	ug/l	93

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

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Quant Time: Oct 09 01:34:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



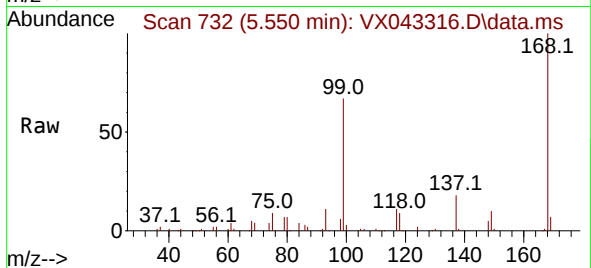


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

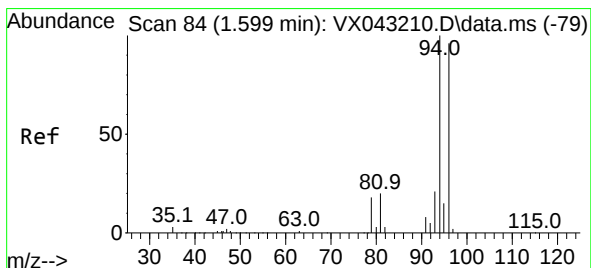
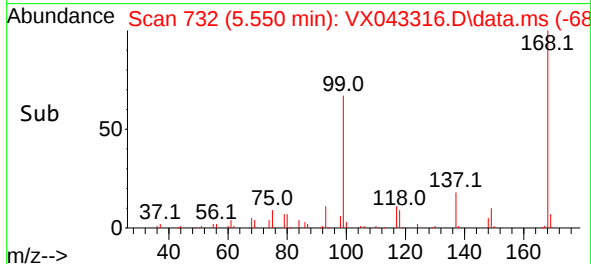
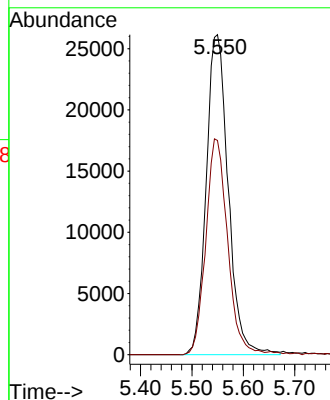
Instrument :

MSVOA_X

ClientSampleId :

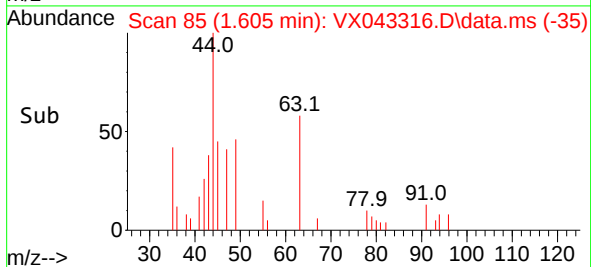
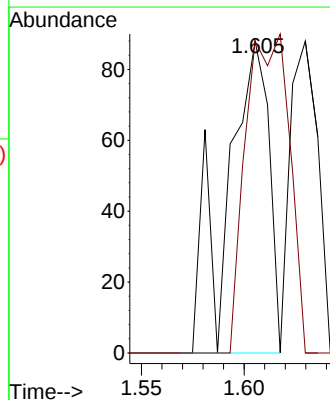
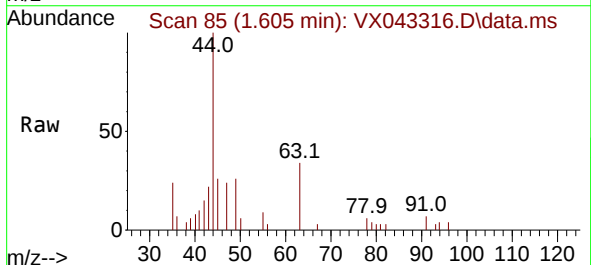


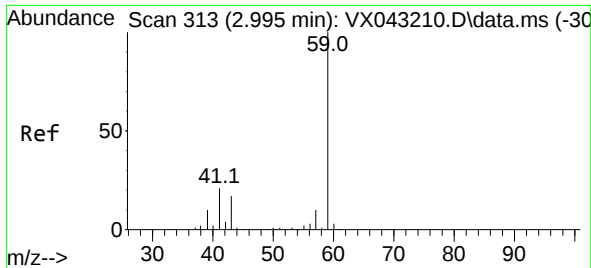
Tgt Ion:168 Resp: 77731
Ion Ratio Lower Upper
168 100
99 67.0 49.7 74.5



#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 100.0 76.6 115.0

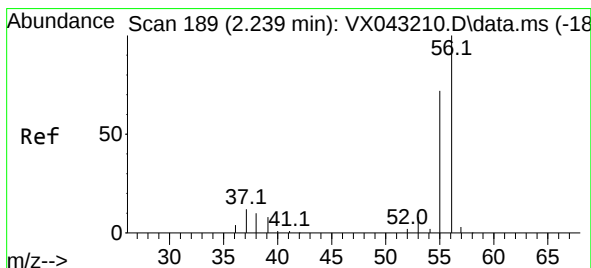
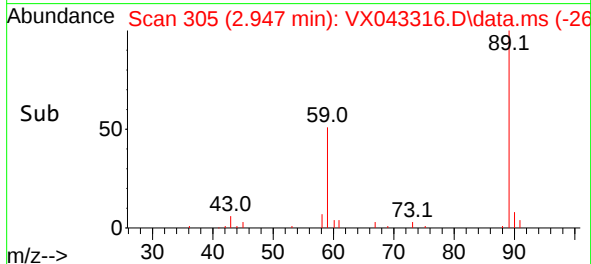
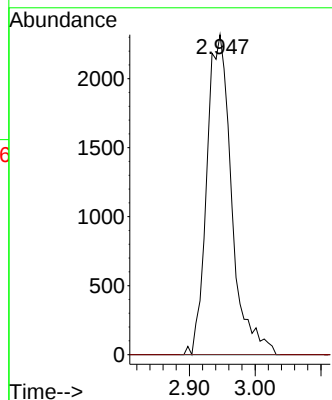
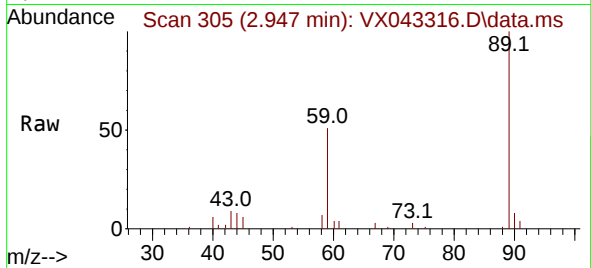




#11
Tert butyl alcohol
Concen: 25.189 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

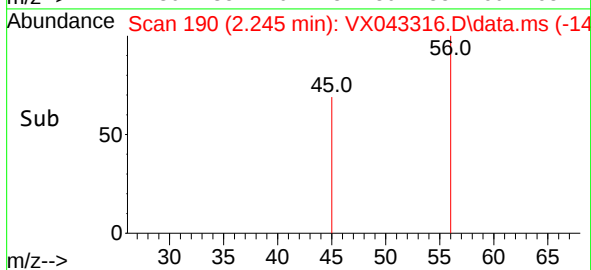
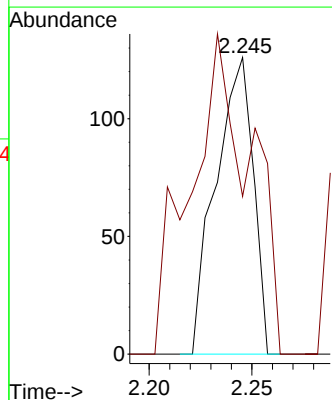
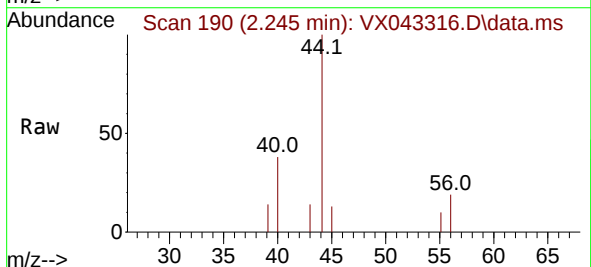
Instrument :
MSVOA_X
ClientSampleId :

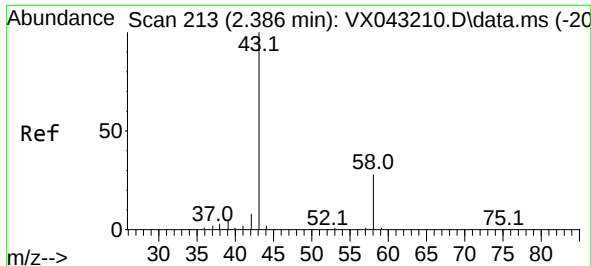
Tgt Ion: 59 Resp: 6085
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.701 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Tgt Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 173.8 57.4 86.0#

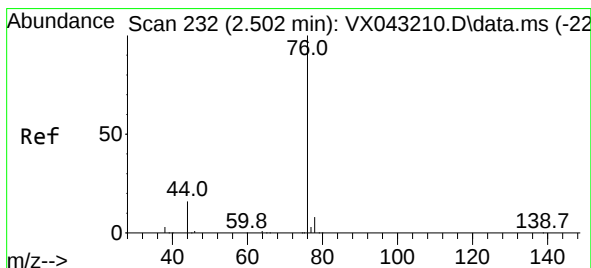
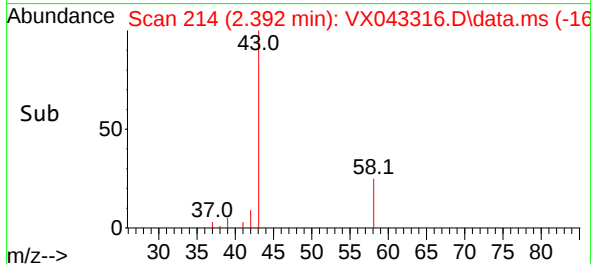
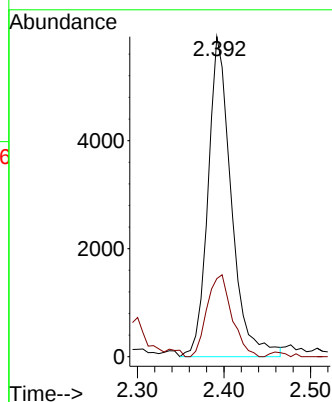
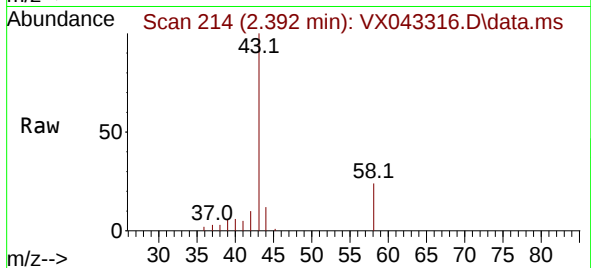




#16
Acetone
Concen: 20.857 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

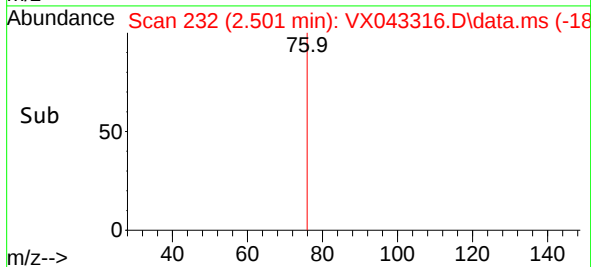
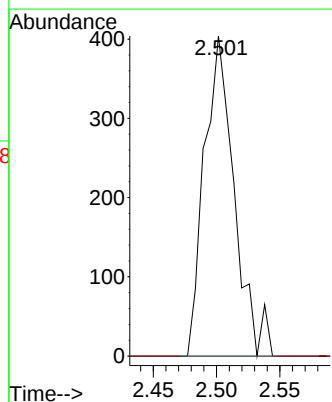
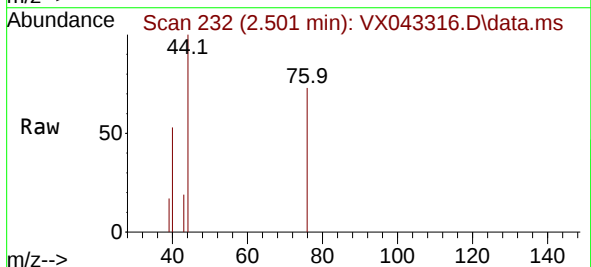
Instrument :
MSVOA_X
ClientSampleId :

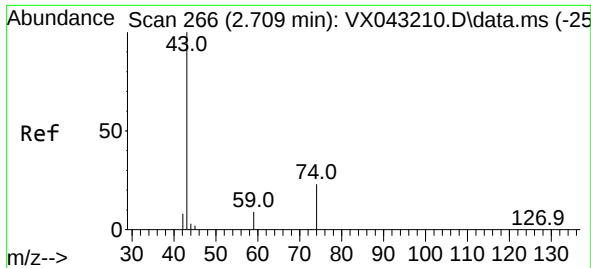
Tgt Ion: 43 Resp: 11057
Ion Ratio Lower Upper
43 100
58 23.2 22.6 33.8



#17
Carbon Disulfide
Concen: 0.317 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Tgt Ion: 76 Resp: 666
Ion Ratio Lower Upper
76 100
78 0.0 6.7 10.1#

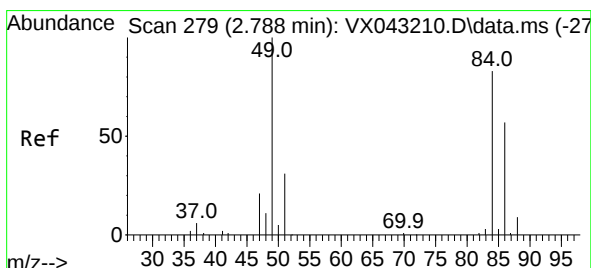
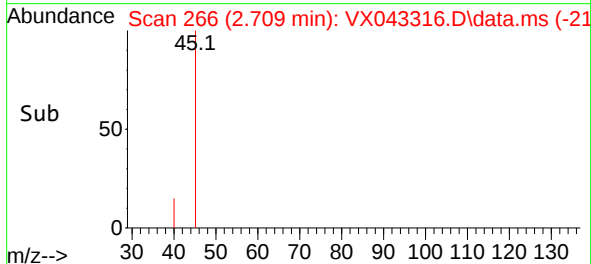
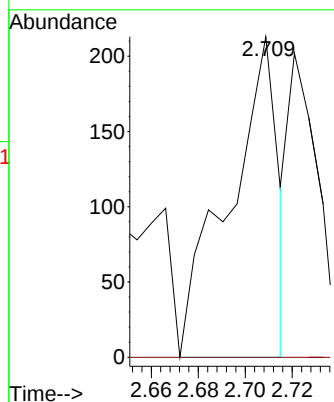
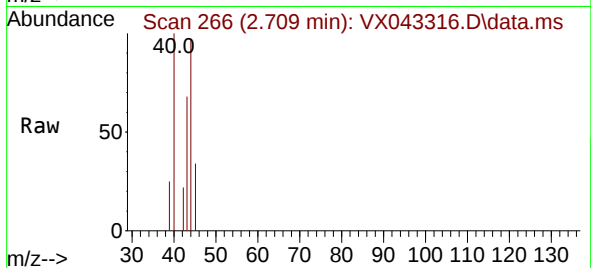




#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

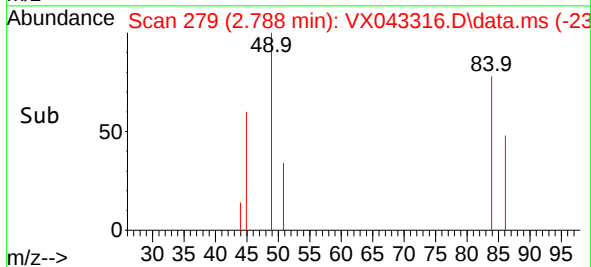
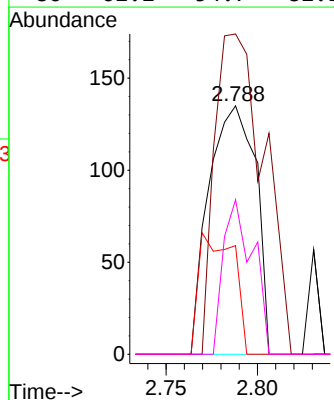
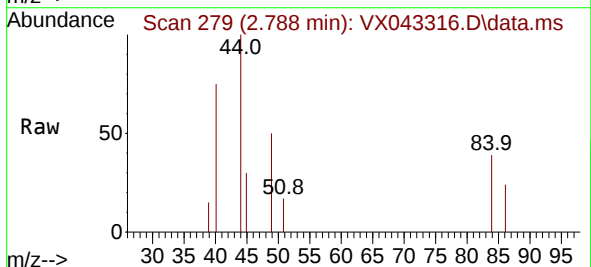
Instrument :
MSVOA_X
ClientSampleId :

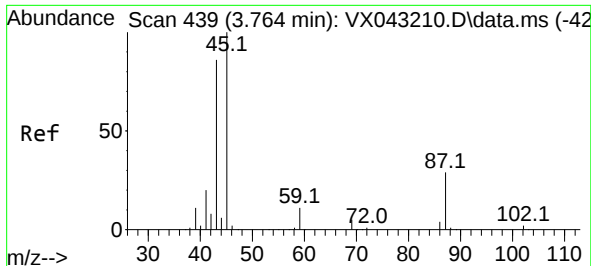
Tgt Ion: 43 Resp: 308
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

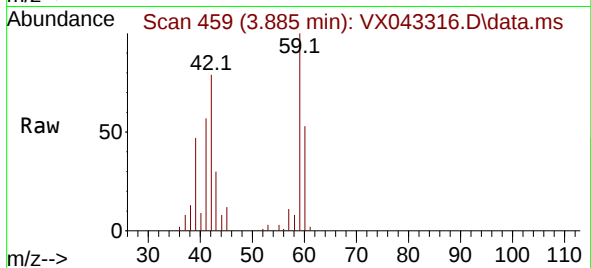
Tgt Ion: 84 Resp: 240
Ion Ratio Lower Upper
84 100
49 128.9 96.7 145.1
51 43.7 30.4 45.6
86 62.2 54.7 82.1



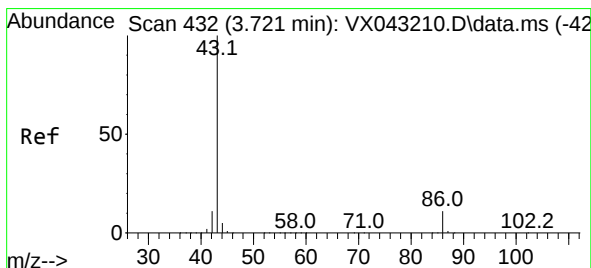
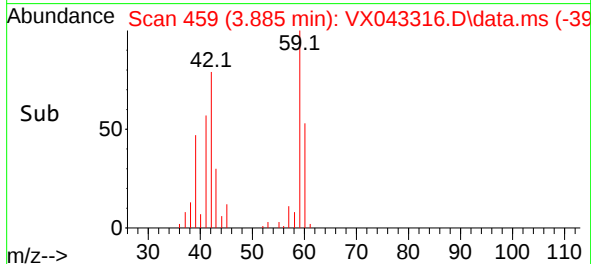
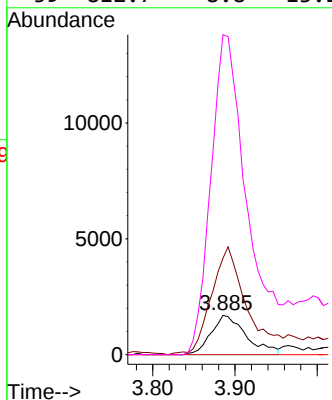


#22
Diisopropyl ether
Concen: 1.775 ug/l
RT: 3.885 min Scan# 41
Delta R.T. 0.121 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :

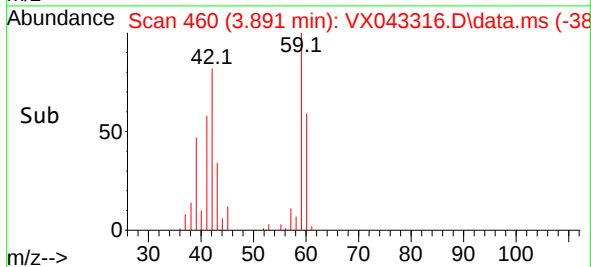
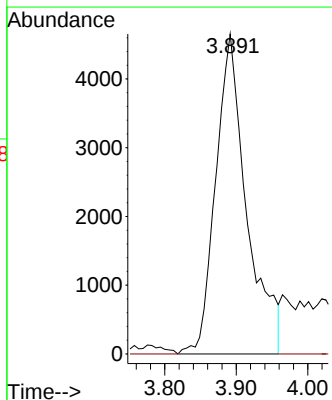
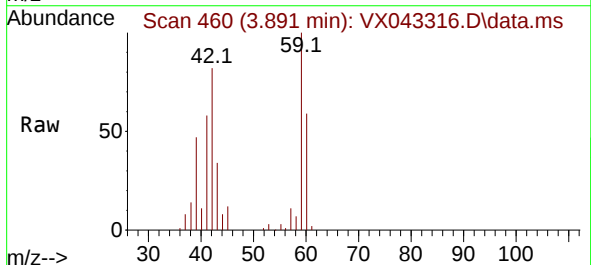


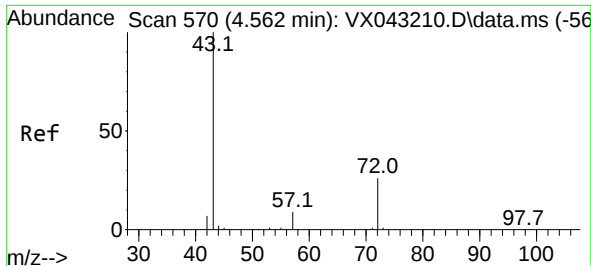
Tgt Ion	Ratio	Lower	Upper
45	100		
43	240.1	68.5	102.7#
87	0.0	23.0	34.4#
59	812.7	8.8	13.2#



#23
Vinyl Acetate
Concen: 10.741 ug/l
RT: 3.891 min Scan# 460
Delta R.T. 0.170 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

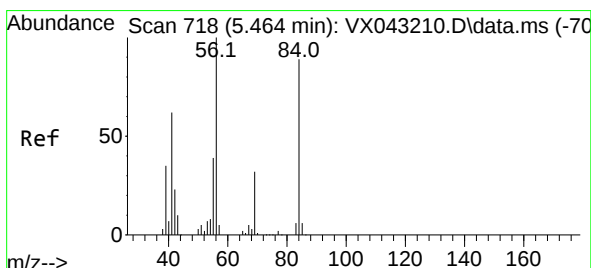
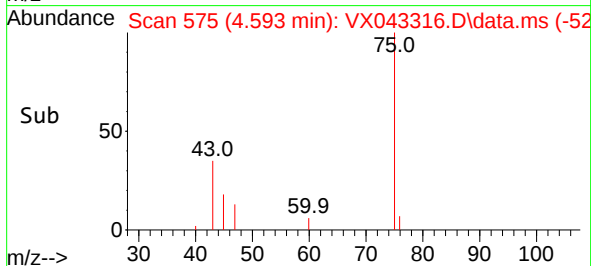
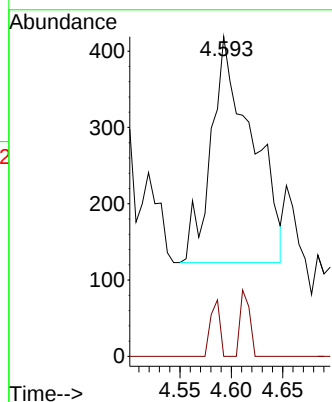
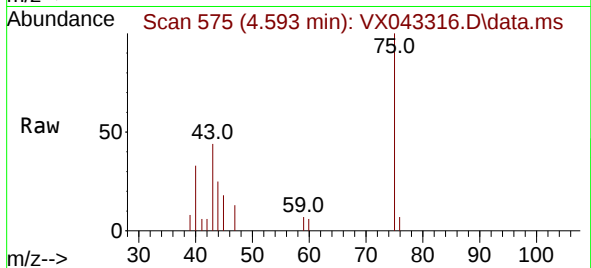




#25
2-Butanone
Concen: 1.125 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

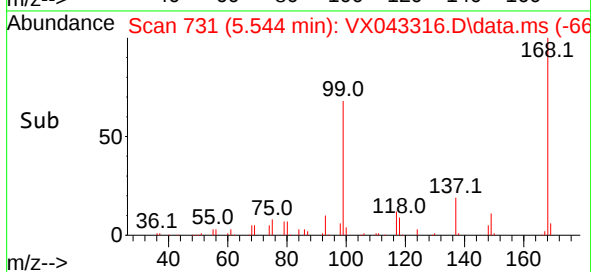
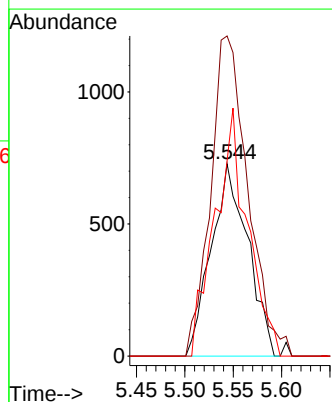
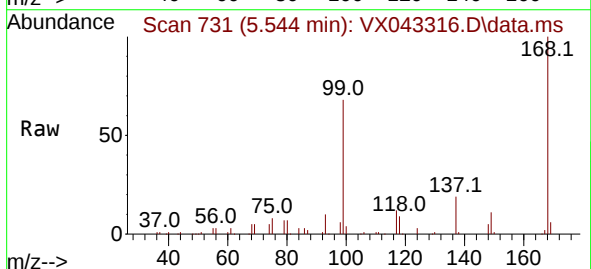
Instrument :
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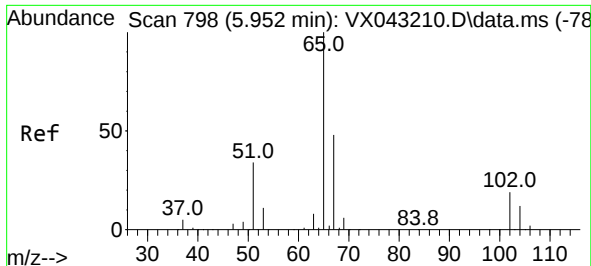
Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#31
Cyclohexane
Concen: 1.394 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Tgt Ion: 56 Resp: 1910
Ion Ratio Lower Upper
56 100
69 166.5 25.8 38.6#
84 101.5 71.1 106.7

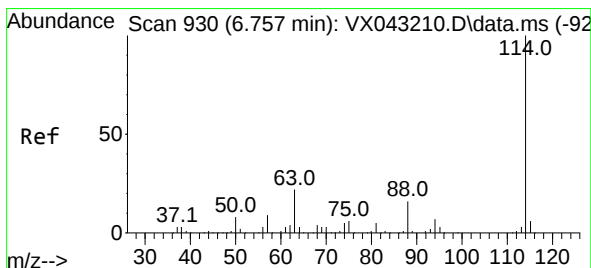
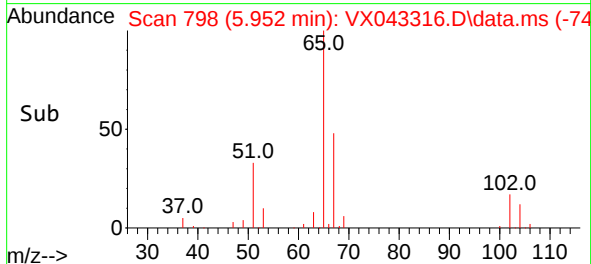
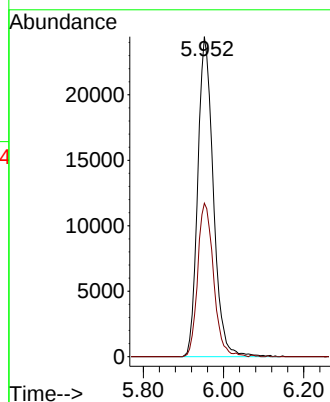
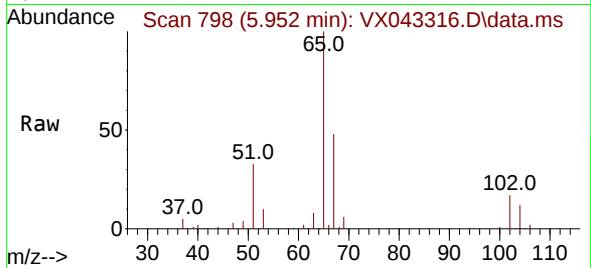




#33
 1,2-Dichloroethane-d4
 Concen: 51.863 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX043316.D
 Acq: 08 Oct 2024 11:17

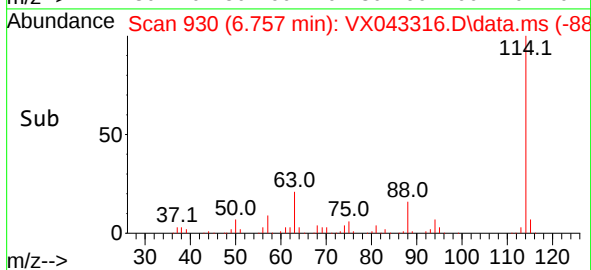
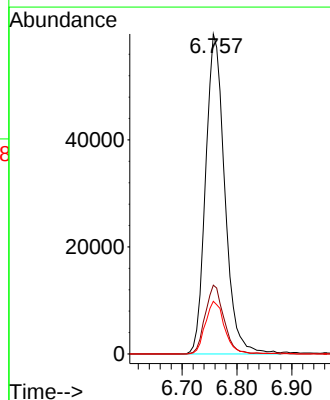
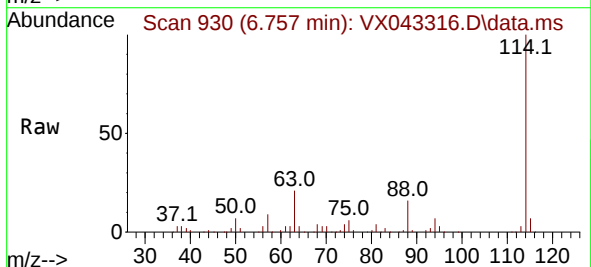
Instrument :
 MSVOA_X
 ClientSampleId :

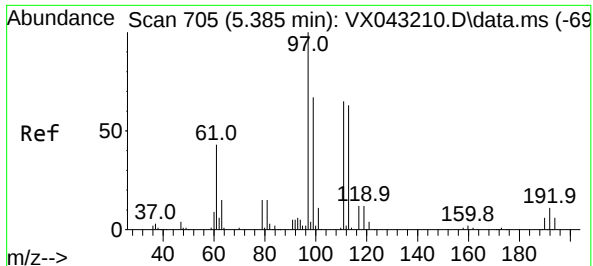
Tgt Ion: 65 Resp: 65838
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043316.D
 Acq: 08 Oct 2024 11:17

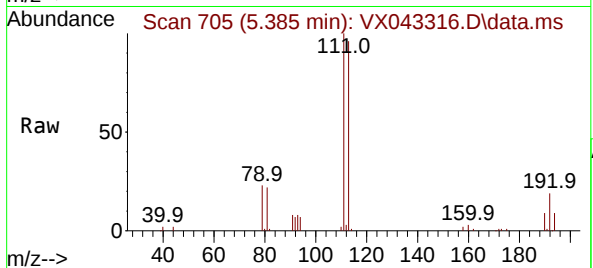
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 Ion Ratio Lower Upper
 114 100
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 88 16.4 0.0 33.0



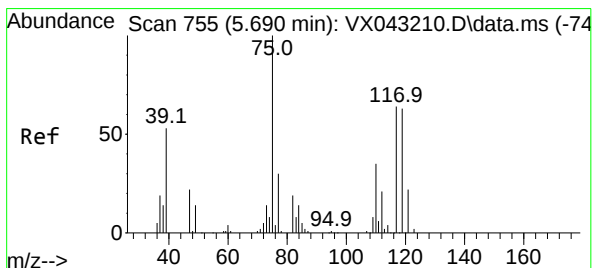
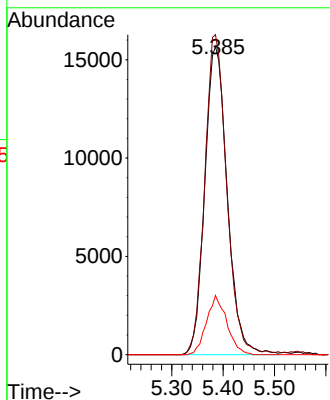
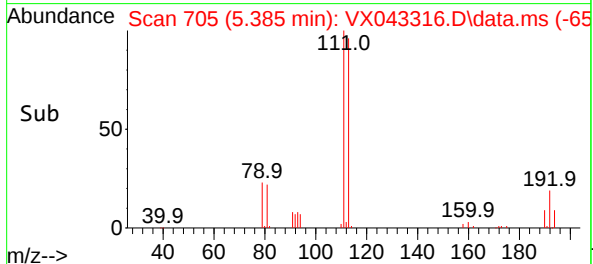


#35
Dibromofluoromethane
Concen: 47.598 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :

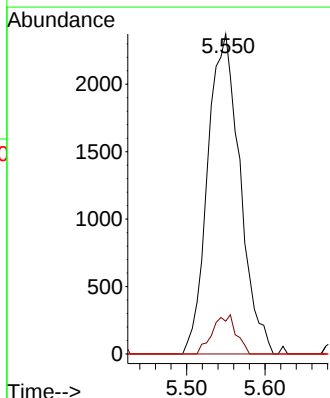
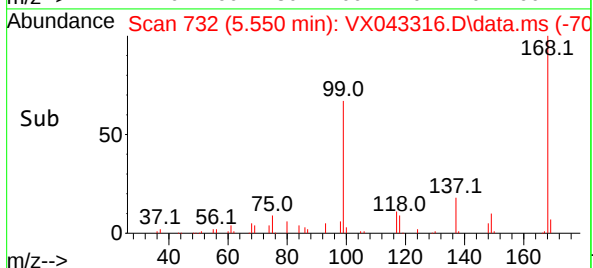
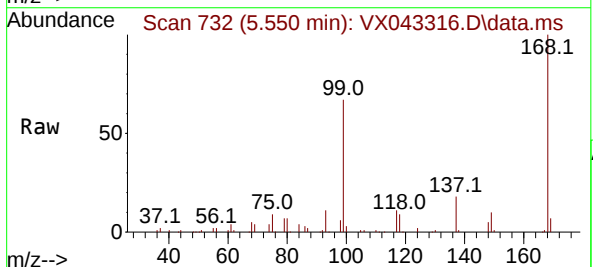


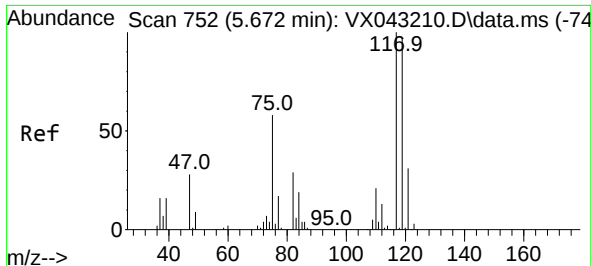
Tgt Ion:113 Resp: 47609
Ion Ratio Lower Upper
113 100
111 101.1 83.4 125.0
192 17.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.385 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

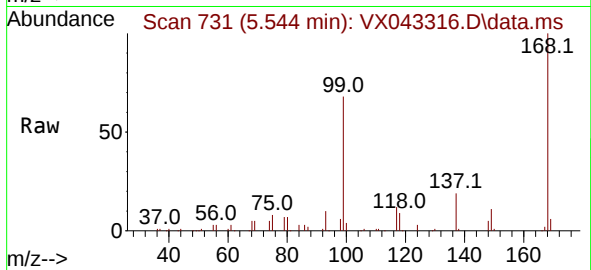
Tgt Ion: 75 Resp: 6804
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 24.9 37.3#



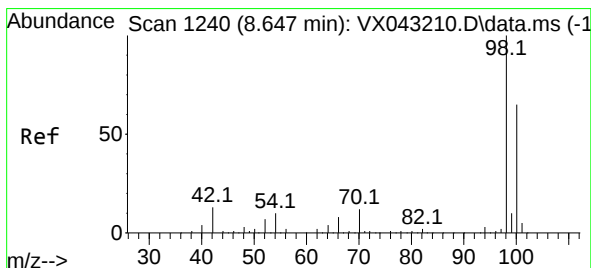
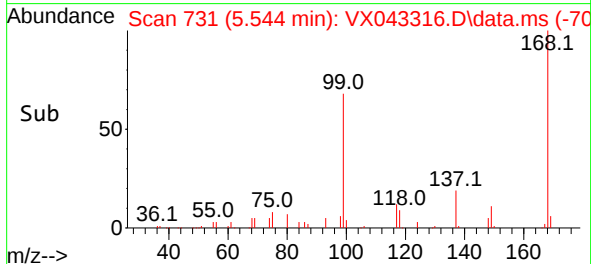
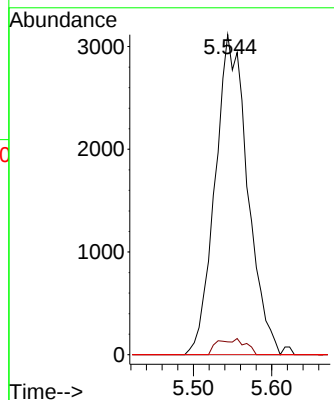


#38
Carbon Tetrachloride
Concen: 6.005 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :

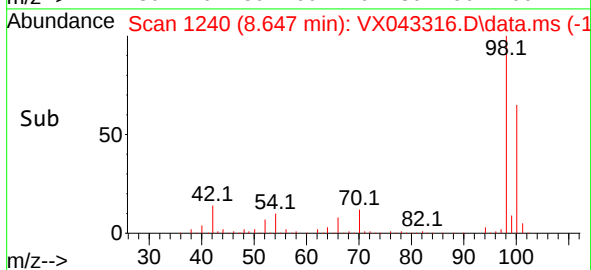
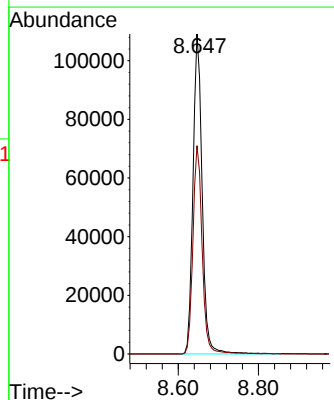
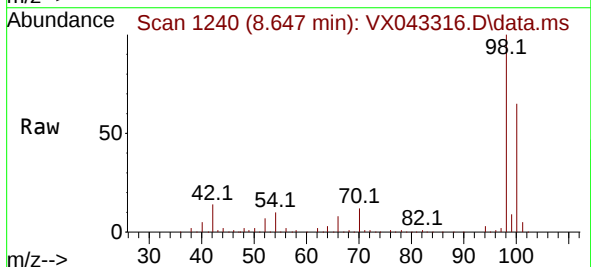


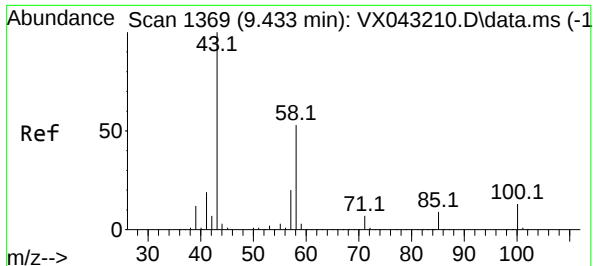
Tgt Ion:117 Resp: 8983
Ion Ratio Lower Upper
117 100
119 4.0 77.7 116.5#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 49.803 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Tgt Ion: 98 Resp: 172632
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6





#59

2-Hexanone

Concen: 0.341 ug/l

RT: 9.476 min Scan# 11

Delta R.T. 0.043 min

Lab File: VX043316.D

Acq: 08 Oct 2024 11:17

Instrument :

MSVOA_X

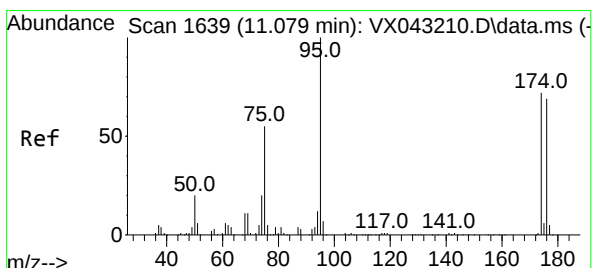
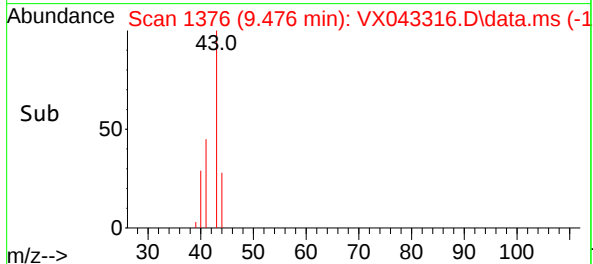
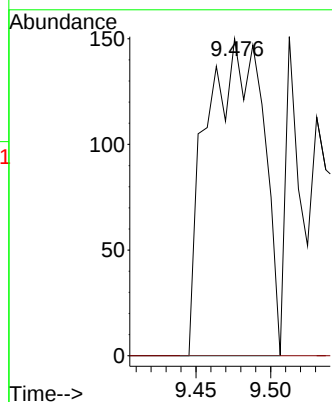
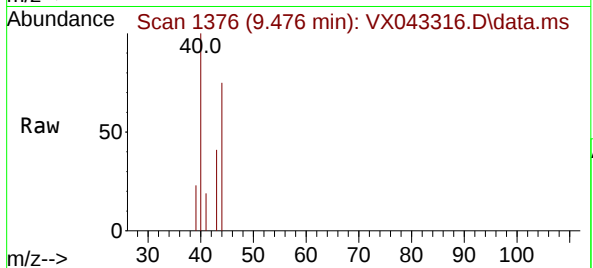
ClientSampleId :

Tgt Ion: 43 Resp: 393

Ion Ratio Lower Upper

43 100

58 0.0 26.1 78.3#



#62

4-Bromofluorobenzene

Concen: 48.414 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043316.D

Acq: 08 Oct 2024 11:17

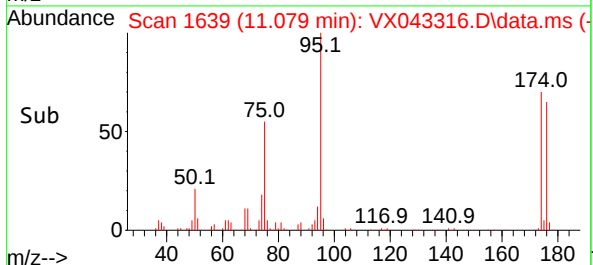
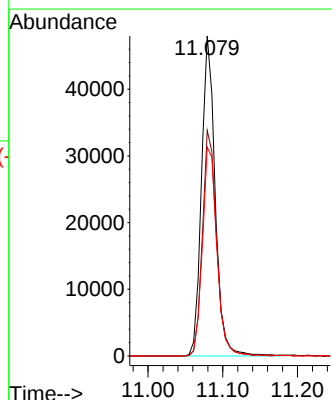
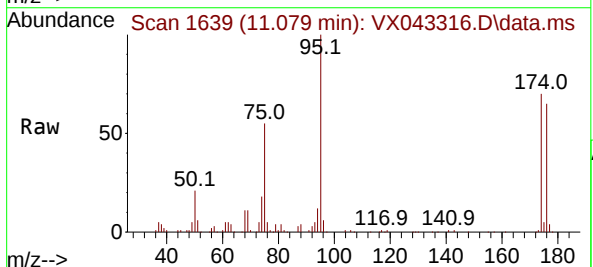
Tgt Ion: 95 Resp: 60967

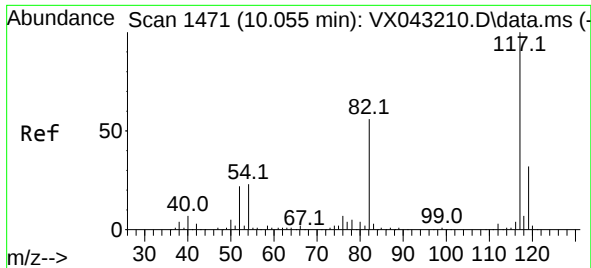
Ion Ratio Lower Upper

95 100

174 73.3 0.0 145.0

176 69.0 0.0 143.0

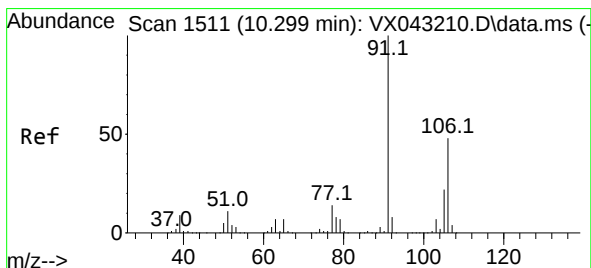
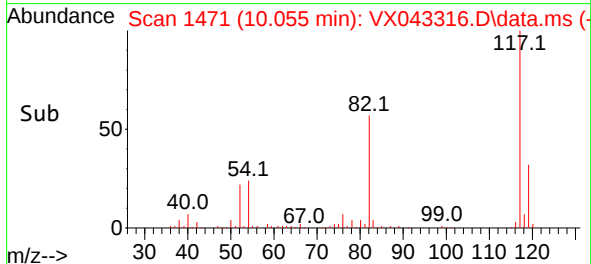
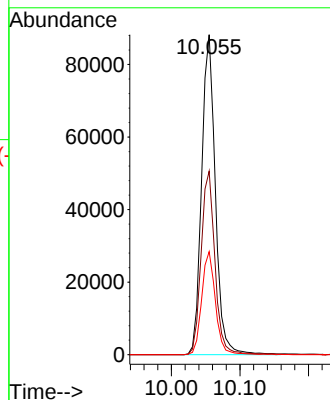
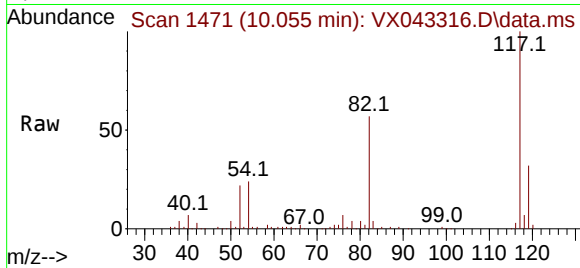




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

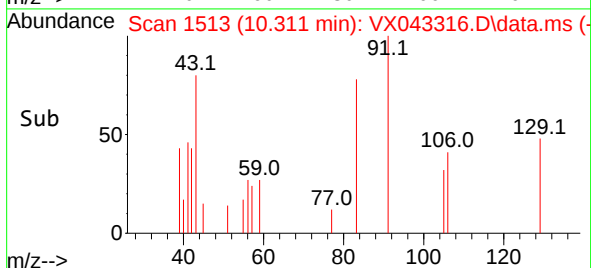
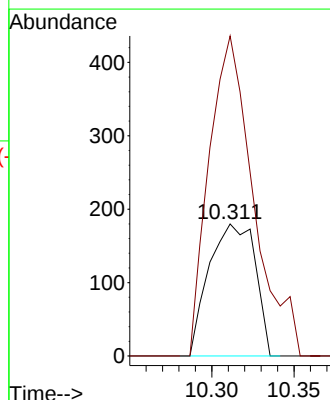
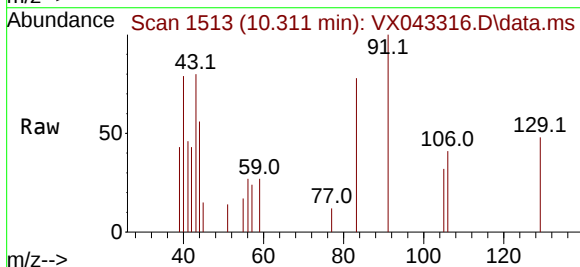
Instrument :
MSVOA_X
ClientSampleId :

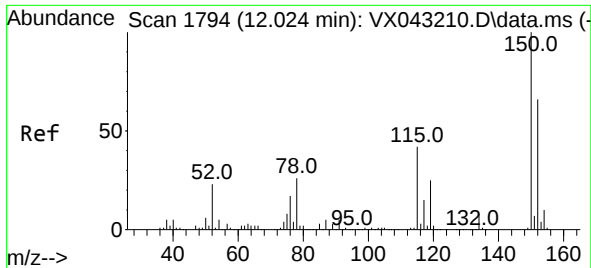
Tgt Ion:117 Resp: 123496
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.6
119 32.2 25.3 37.9



#68
m/p-Xylenes
Concen: 0.203 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

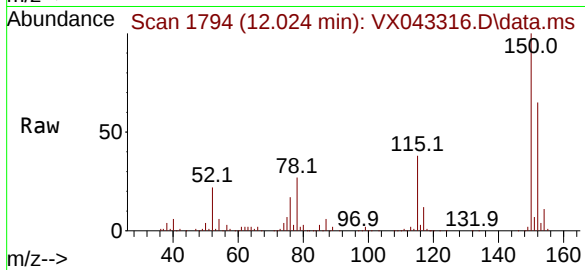
Tgt Ion:106 Resp: 352
Ion Ratio Lower Upper
106 100
91 232.7 167.0 250.6



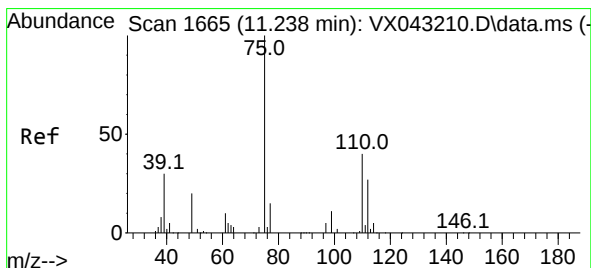
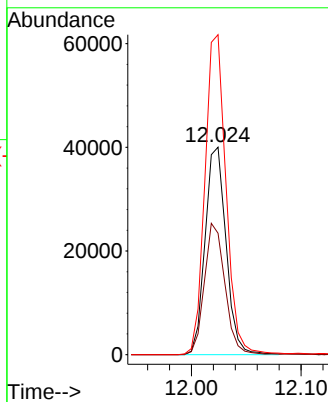
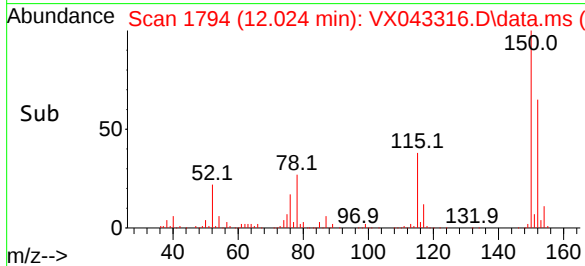


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043316.D
 Acq: 08 Oct 2024 11:17

Instrument :
 MSVOA_X
 ClientSampleId :

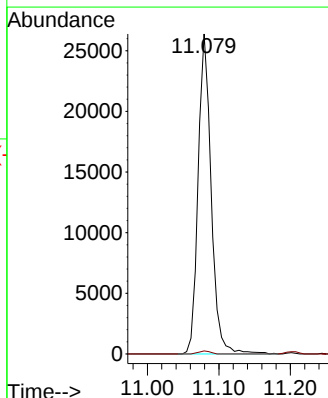
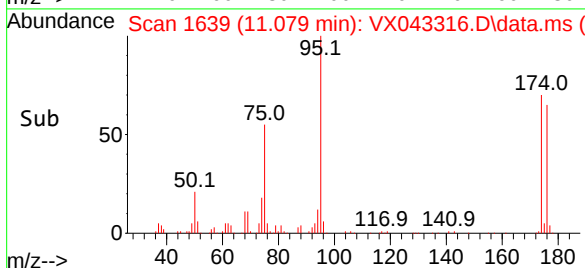
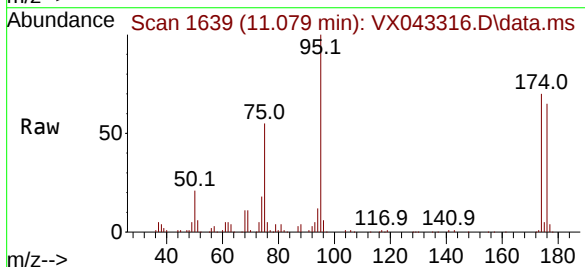


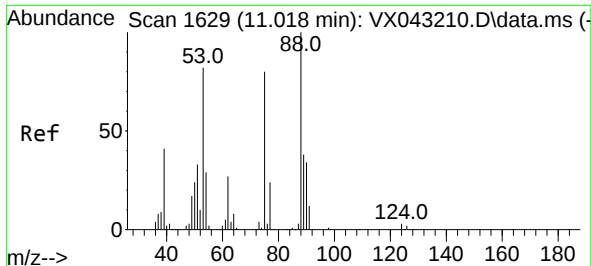
Tgt Ion:152 Resp: 53303
 Ion Ratio Lower Upper
 152 100
 115 62.4 44.1 132.3
 150 155.5 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 28.280 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043316.D
 Acq: 08 Oct 2024 11:17

Tgt Ion: 75 Resp: 33436
 Ion Ratio Lower Upper
 75 100
 77 0.9 22.0 66.0#

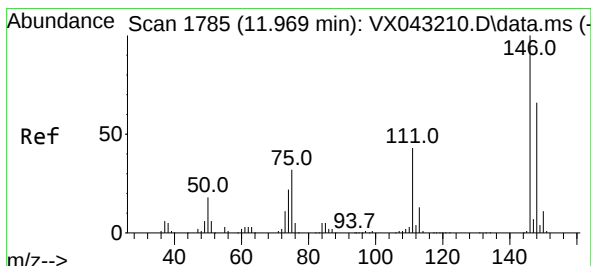
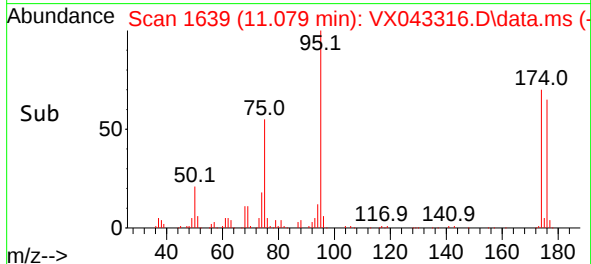
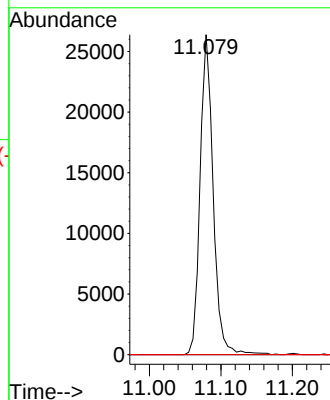
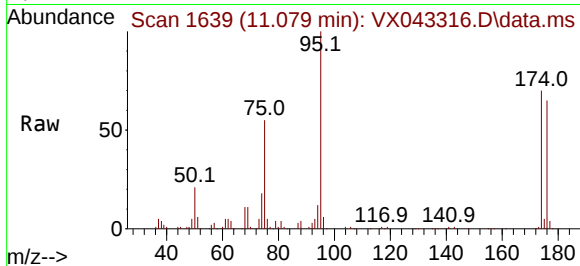




#81
trans-1,4-Dichloro-2-butene
Concen: 73.292 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

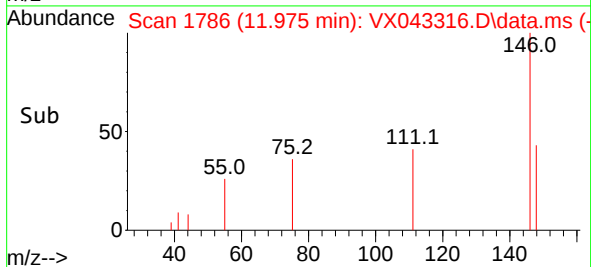
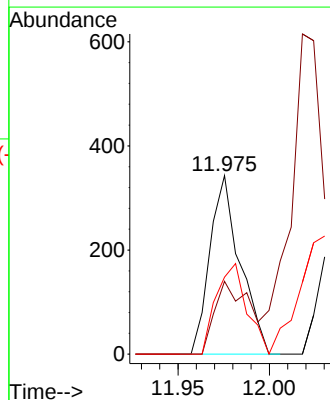
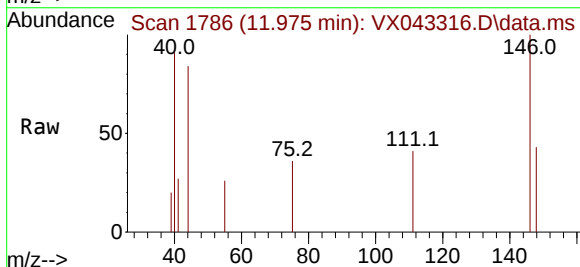
Instrument :
MSVOA_X
ClientSampleId :

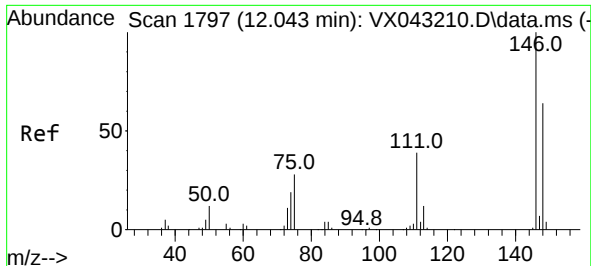
Tgt Ion: 75 Resp: 33436
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#



#87
1,3-Dichlorobenzene
Concen: 0.222 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

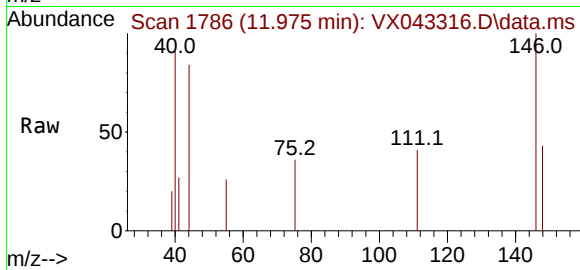
Tgt Ion:146 Resp: 394
Ion Ratio Lower Upper
146 100
111 46.2 21.8 65.3
148 51.5 32.4 97.2



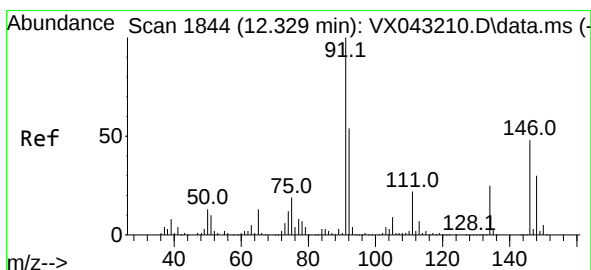
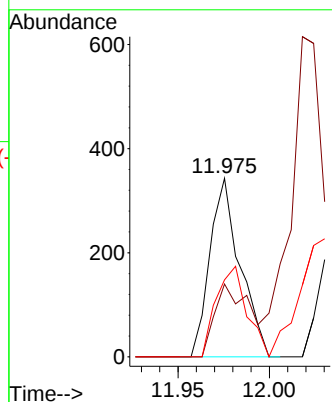
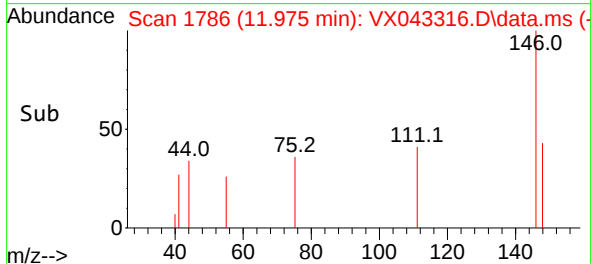


#88
1,4-Dichlorobenzene
Concen: 0.215 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :

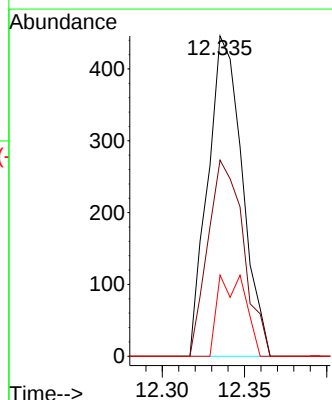
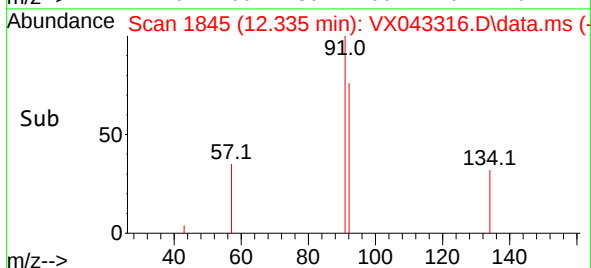
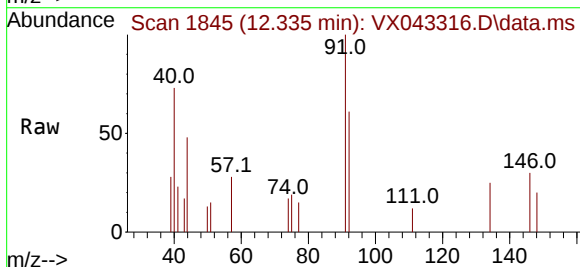


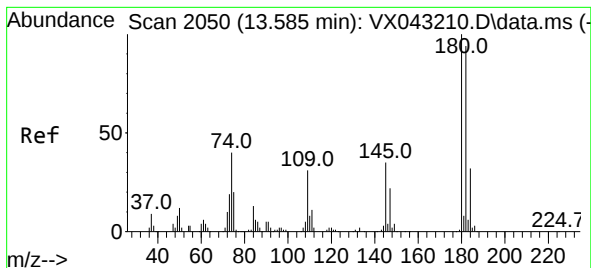
Tgt Ion:146 Resp: 394
Ion Ratio Lower Upper
146 100
111 46.2 20.8 62.5
148 51.5 32.4 97.0



#89
n-Butylbenzene
Concen: 0.222 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX043316.D
Acq: 08 Oct 2024 11:17

Tgt Ion: 91 Resp: 647
Ion Ratio Lower Upper
91 100
92 63.5 27.0 81.0
134 20.6 12.9 38.6





#93

1,2,4-Trichlorobenzene

Concen: 0.417 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043316.D

Acq: 08 Oct 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

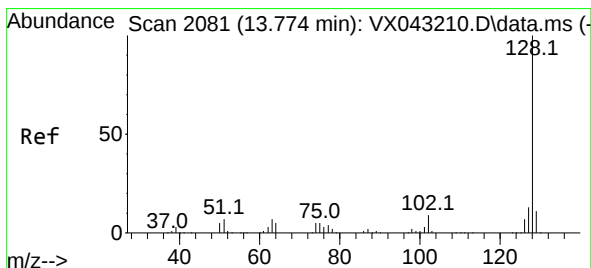
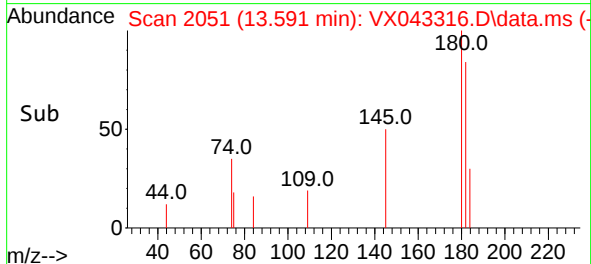
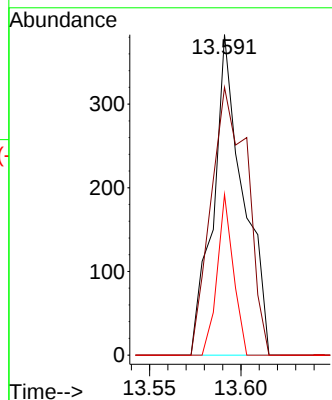
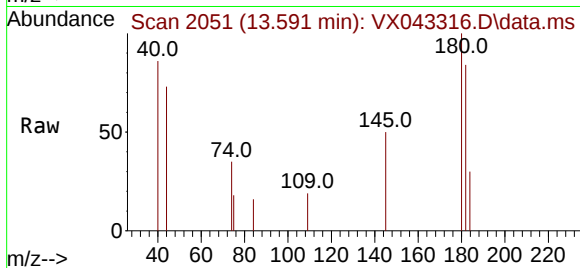
Tgt Ion:180 Resp: 437

Ion Ratio Lower Upper

180 100

182 100.9 47.1 141.3

145 27.0 16.6 49.8



#95

Naphthalene

Concen: 0.874 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX043316.D

Acq: 08 Oct 2024 11:17

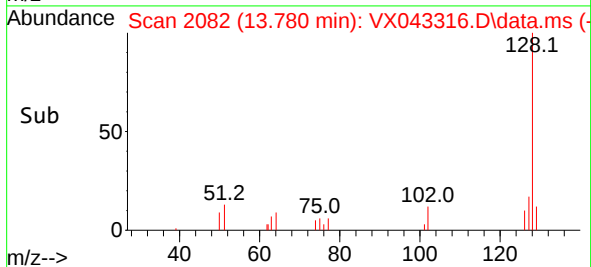
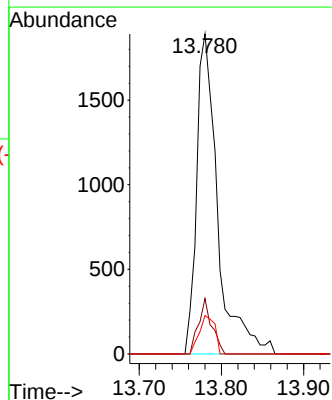
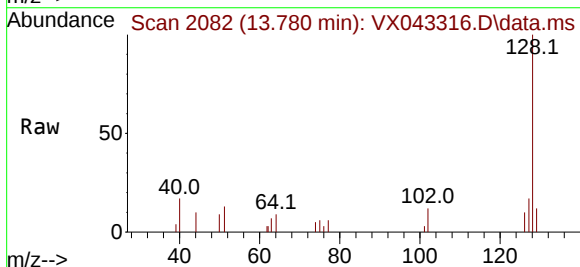
Tgt Ion:128 Resp: 3365

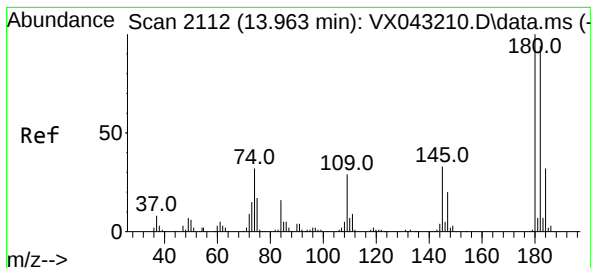
Ion Ratio Lower Upper

128 100

127 11.0 10.2 15.2

129 8.8 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.460 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

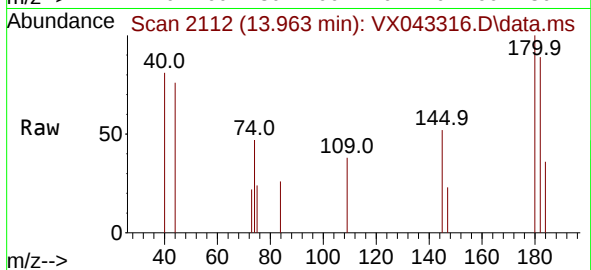
Lab File: VX043316.D

Acq: 08 Oct 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 497

Ion Ratio Lower Upper

180 100

182 97.4 46.5 139.3

145 42.7 17.2 51.6

