

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
 Data File : VX044309.D
 Acq On : 16 Dec 2024 09:27
 Operator : JC/MD
 Sample : VX1216MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216MBL01

Quant Time: Dec 17 00:43:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

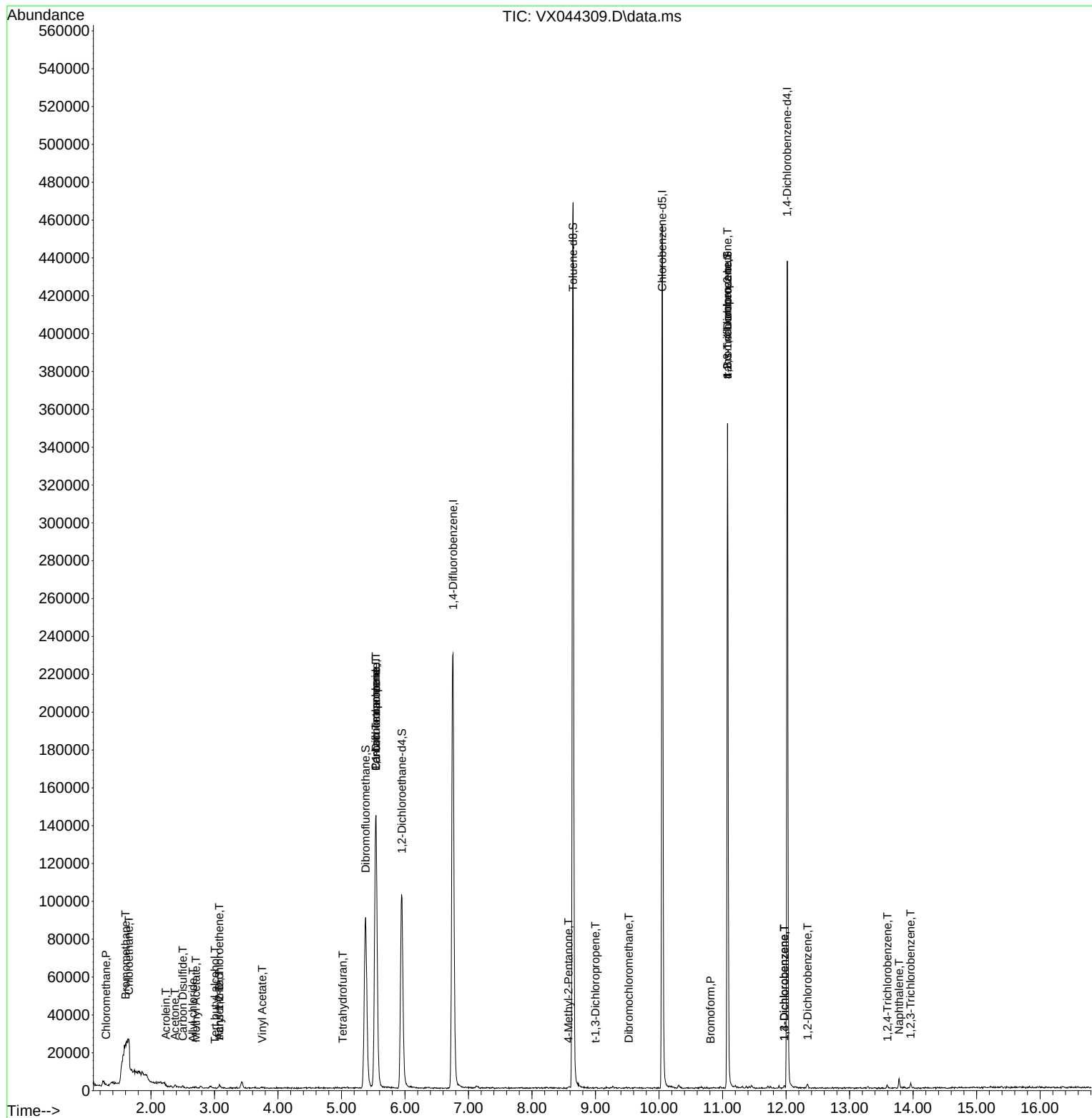
Internal Standards						
1) Pentafluorobenzene	5.544	168	127738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	236007	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	194676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102559	45.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.580%		
35) Dibromofluoromethane	5.379	113	78271	47.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.760%		
50) Toluene-d8	8.647	98	277127	50.254	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.500%		
62) 4-Bromofluorobenzene	11.079	95	88892	46.132	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.260%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	452	0.239	ug/l	98
5) Bromomethane	1.599	94	665	0.476	ug/l #	64
6) Chloroethane	1.654	64	295	0.241	ug/l #	41
11) Tert butyl alcohol	3.007	59	102	0.323	ug/l #	71
13) Acrolein	2.233	56	320	0.700	ug/l #	59
14) Allyl chloride	2.660	41	564	0.236	ug/l #	75
15) Acrylonitrile	3.075	53	522	0.597	ug/l	90
16) Acetone	2.380	43	1144	1.253	ug/l	94
17) Carbon Disulfide	2.501	76	1124	0.413	ug/l #	92
18) Methyl Acetate	2.709	43	736	0.313	ug/l #	84
21) trans-1,2-Dichloroethene	3.075	96	460	0.302	ug/l #	30
23) Vinyl Acetate	3.751	43	975	0.223	ug/l #	73
29) Tetrahydrofuran	5.019	42	410	0.492	ug/l #	32
36) 1,1-Dichloropropene	5.544	75	11489	5.438	ug/l #	50
38) Carbon Tetrachloride	5.544	117	14834	6.521	ug/l #	16
51) 4-Methyl-2-Pentanone	8.574	43	714	0.272	ug/l	94
53) t-1,3-Dichloropropene	9.000	75	188	1.078	ug/l #	41
60) Dibromochloromethane	9.525	129	56	1.265	ug/l #	50
71) Bromoform	10.811	173	78	1.320	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	50930	28.420	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	50930	77.930	ug/l #	4
87) 1,3-Dichlorobenzene	11.969	146	565	0.217	ug/l	99
88) 1,4-Dichlorobenzene	11.969	146	565	0.211	ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	549	0.203	ug/l #	53
93) 1,2,4-Trichlorobenzene	13.597	180	670	0.452	ug/l #	79
95) Naphthalene	13.780	128	3925	0.679	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	671	0.427	ug/l	78

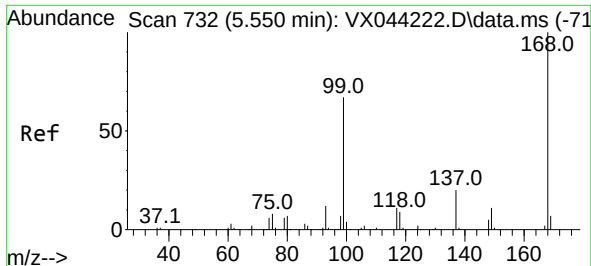
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

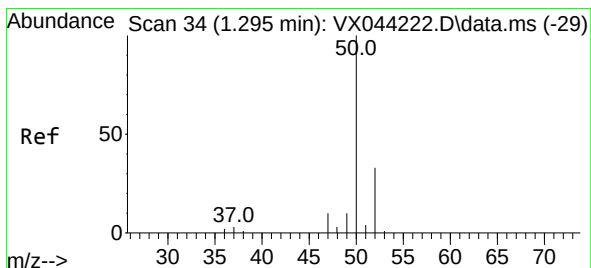
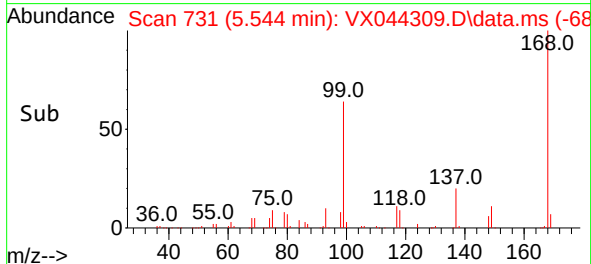
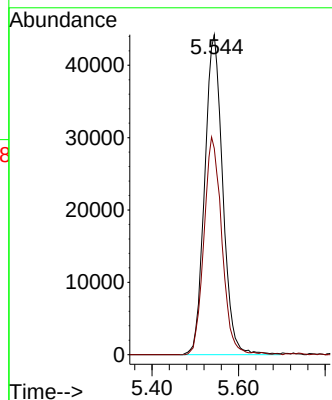
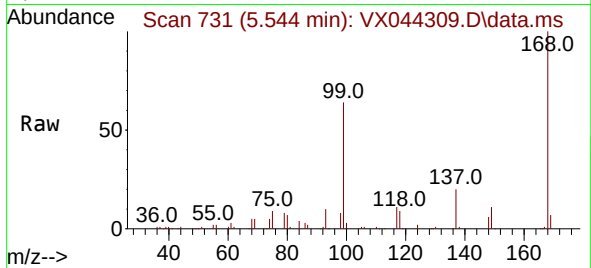




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

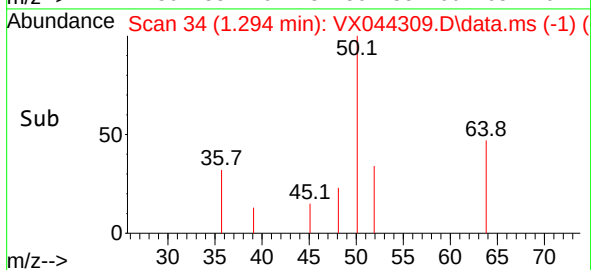
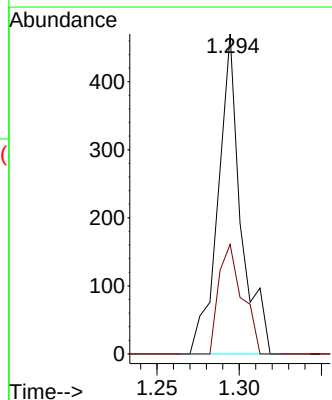
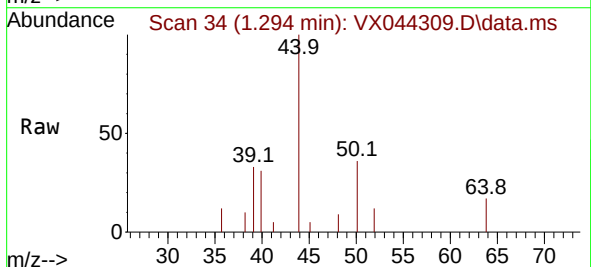
Instrument :
MSVOA_X
ClientSampleId :
VX1216MBL01

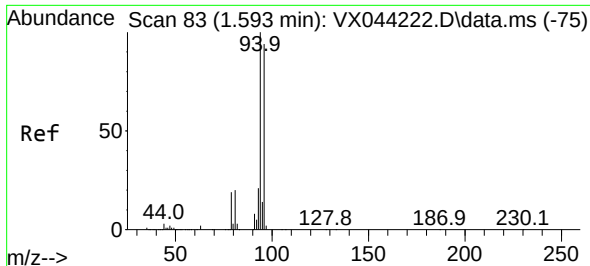
Tgt Ion:168 Resp: 127738
Ion Ratio Lower Upper
168 100
99 64.5 53.4 80.0



#3
Chloromethane
Concen: 0.239 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion: 50 Resp: 452
Ion Ratio Lower Upper
50 100
52 34.3 26.5 39.7

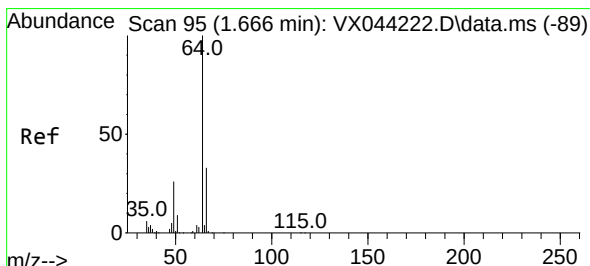
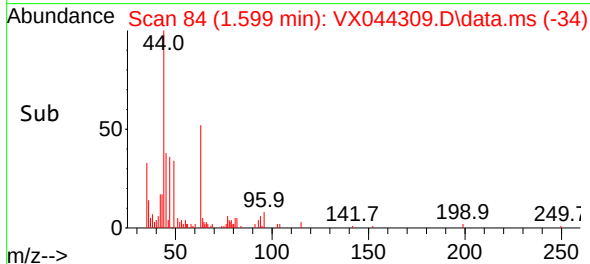
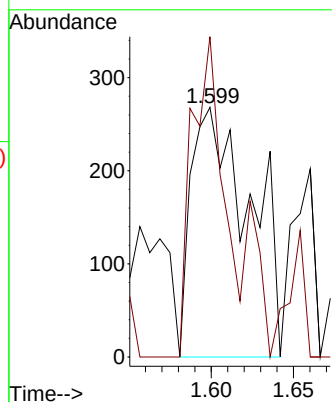
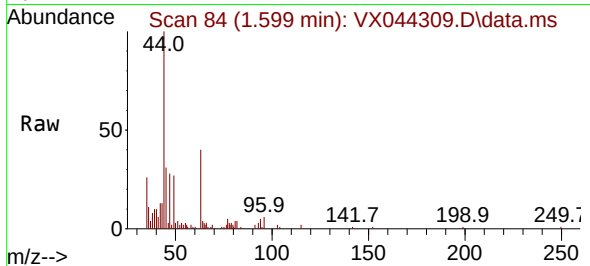




#5
Bromomethane
Concen: 0.476 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

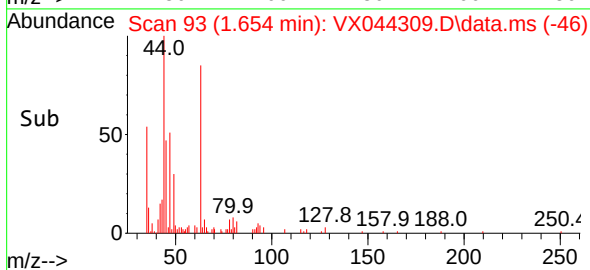
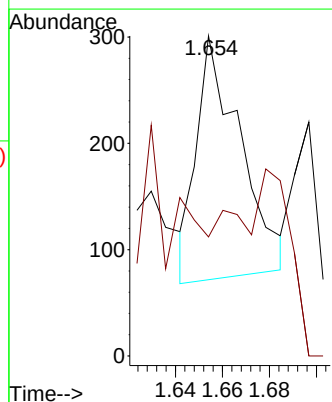
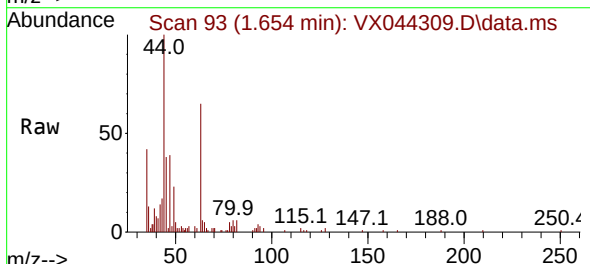
Instrument :
MSVOA_X
ClientSampleId :
VX1216MBL01

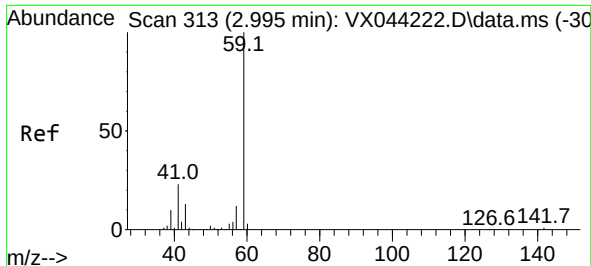
Tgt Ion: 94 Resp: 665
Ion Ratio Lower Upper
94 100
96 128.4 74.9 112.3#



#6
Chloroethane
Concen: 0.241 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion: 64 Resp: 295
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#





#11

Tert butyl alcohol

Concen: 0.323 ug/l

RT: 3.007 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX044309.D

Acq: 16 Dec 2024 09:27

Instrument :

MSVOA_X

ClientSampleId :

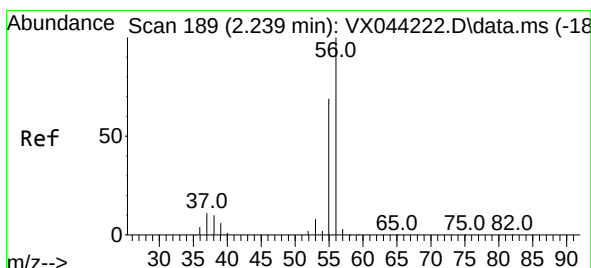
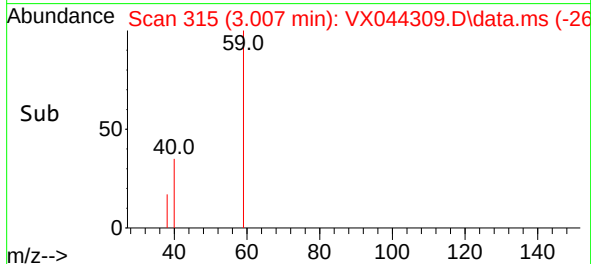
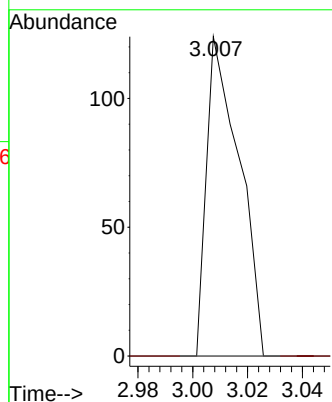
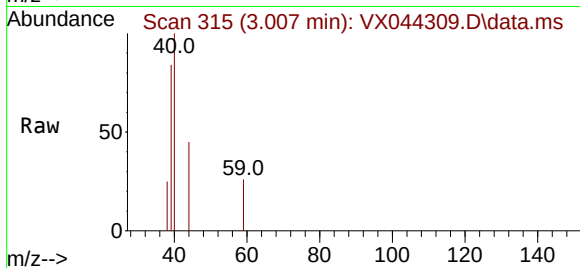
VX1216MBL01

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#13

Acrolein

Concen: 0.700 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX044309.D

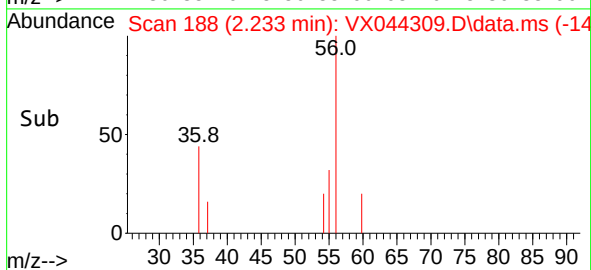
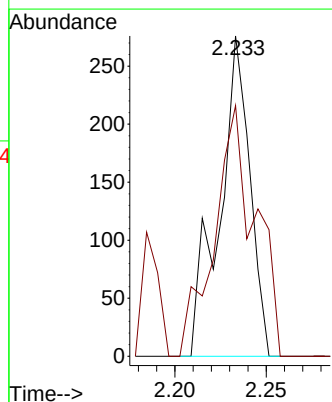
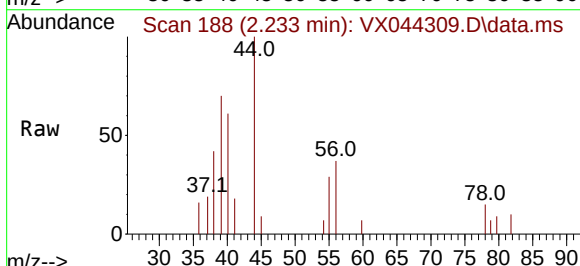
Acq: 16 Dec 2024 09:27

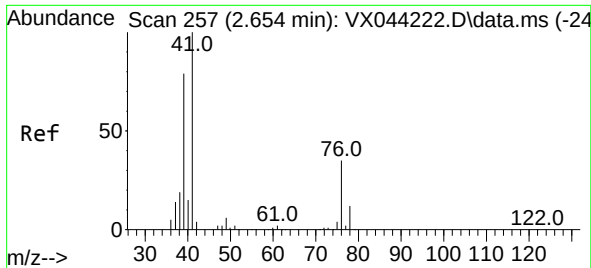
Tgt Ion: 56 Resp: 320

Ion Ratio Lower Upper

56 100

55 104.7 56.6 84.8#

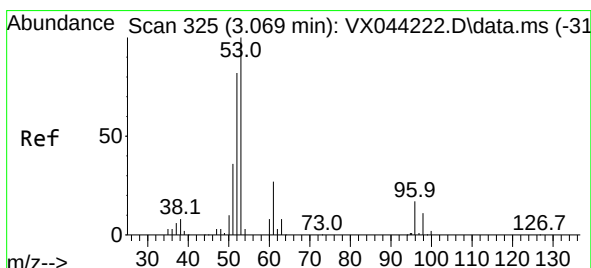
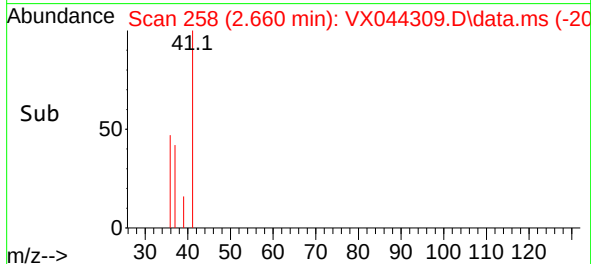
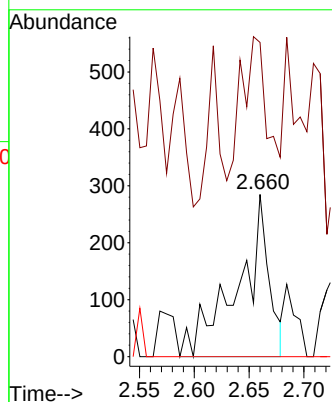
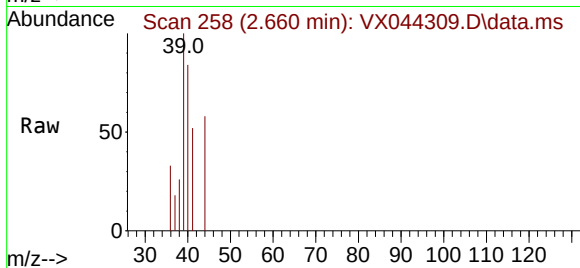




#14
 Allyl chloride
 Concen: 0.236 ug/l
 RT: 2.660 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX044309.D
 Acq: 16 Dec 2024 09:27

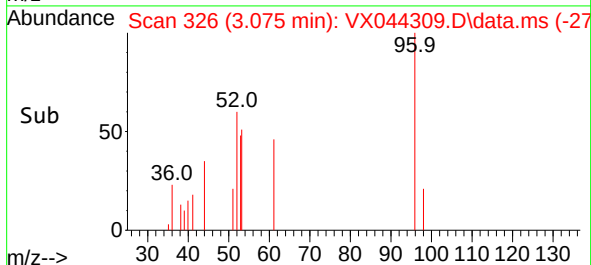
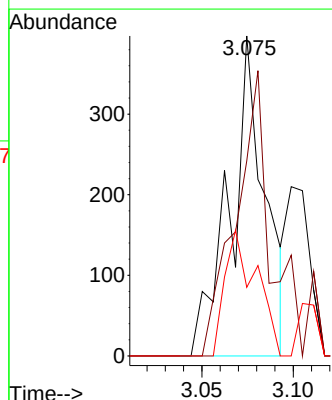
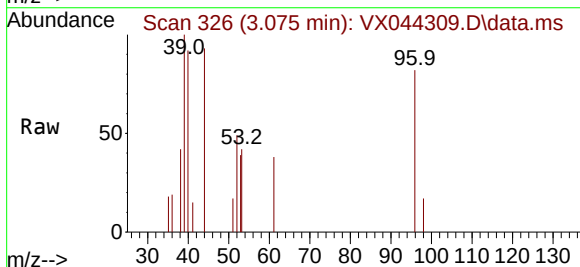
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216MBL01

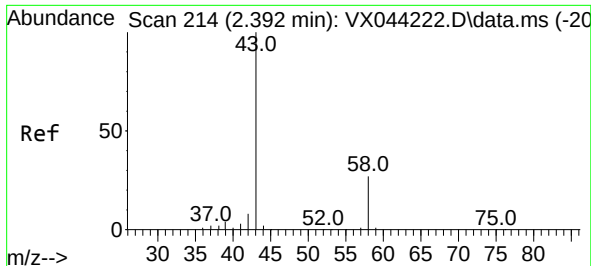
Tgt Ion: 41	Resp:	564
Ion	Ratio	Lower Upper
41	100	
39	69.1	61.9 92.9
76	0.0	27.4 41.2#



#15
 Acrylonitrile
 Concen: 0.597 ug/l
 RT: 3.075 min Scan# 326
 Delta R.T. 0.006 min
 Lab File: VX044309.D
 Acq: 16 Dec 2024 09:27

Tgt Ion: 53	Resp:	522
Ion	Ratio	Lower Upper
53	100	
52	96.2	67.4 101.0
51	35.8	30.3 45.5

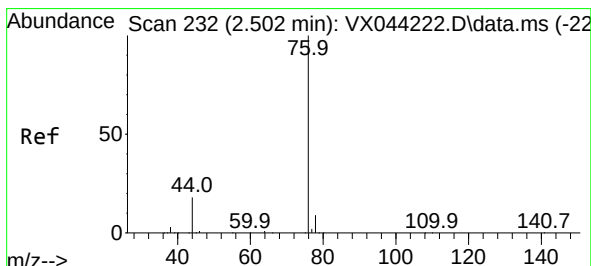
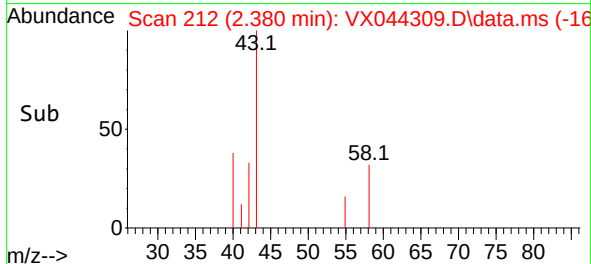
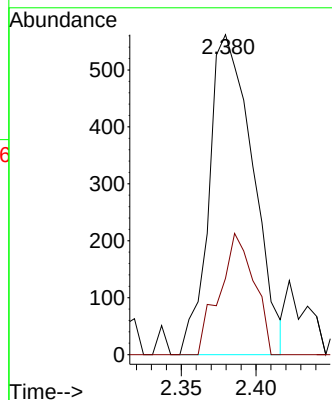
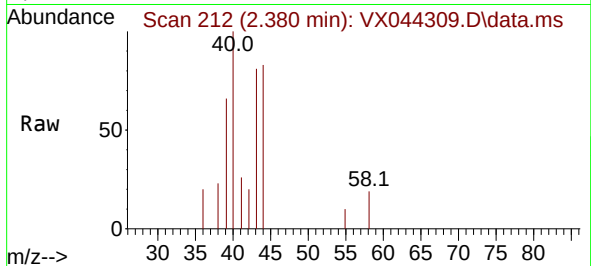




#16
Acetone
Concen: 1.253 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

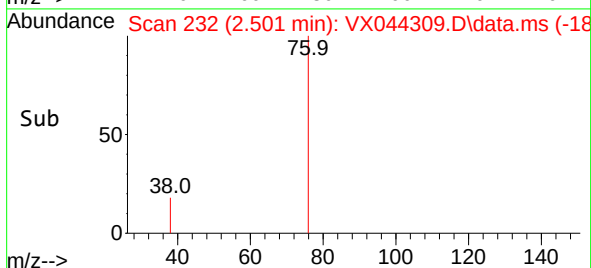
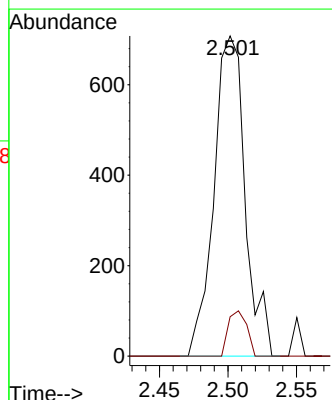
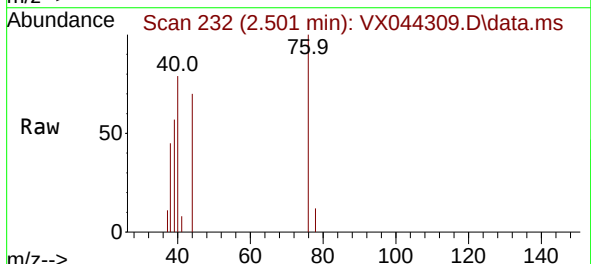
Instrument :
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ClientSampleId :
VX1216MBL01

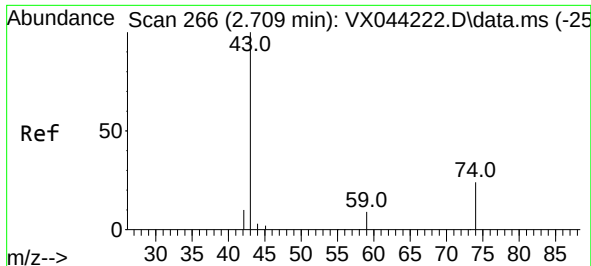
Tgt Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
58 23.8 21.6 32.4



#17
Carbon Disulfide
Concen: 0.413 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion: 76 Resp: 1124
Ion Ratio Lower Upper
76 100
78 12.3 7.4 11.0#

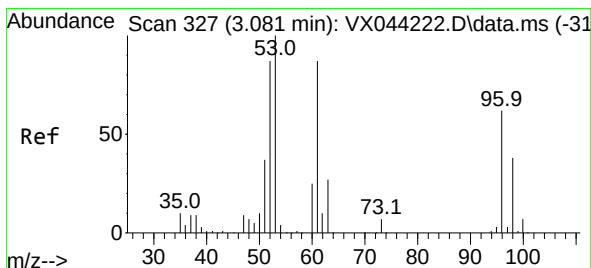
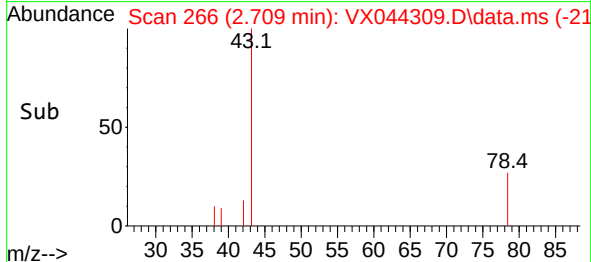
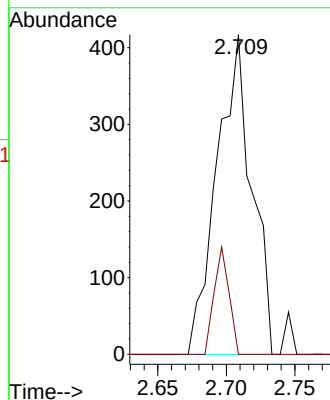
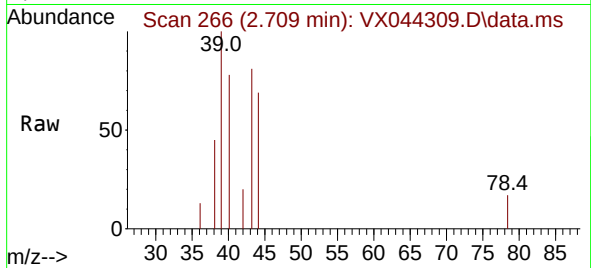




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 2.709 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

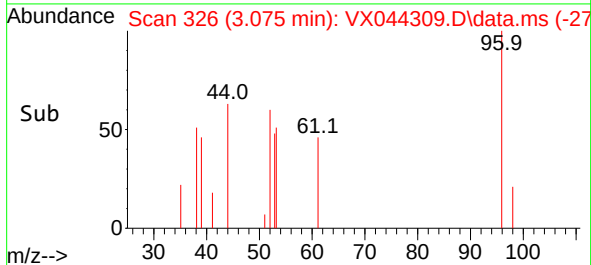
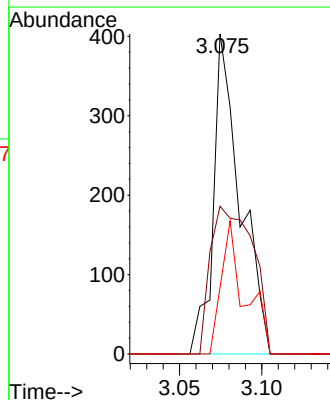
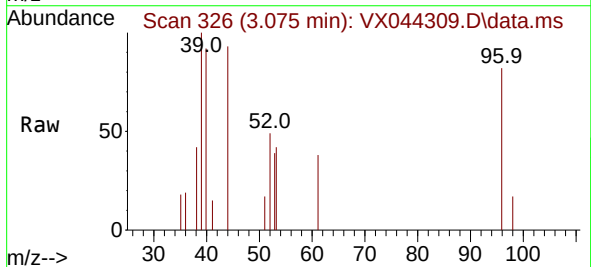
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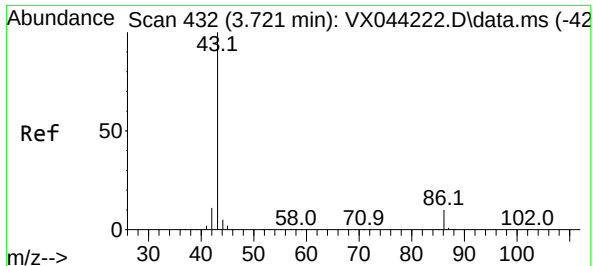
Tgt Ion: 43 Resp: 736
Ion Ratio Lower Upper
43 100
74 14.3 17.7 26.5#



#21
trans-1,2-Dichloroethene
Concen: 0.302 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.006 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion: 96 Resp: 460
Ion Ratio Lower Upper
96 100
61 46.2 112.0 168.0#
98 20.8 48.8 73.2#

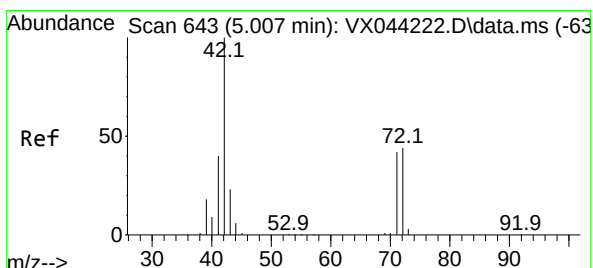
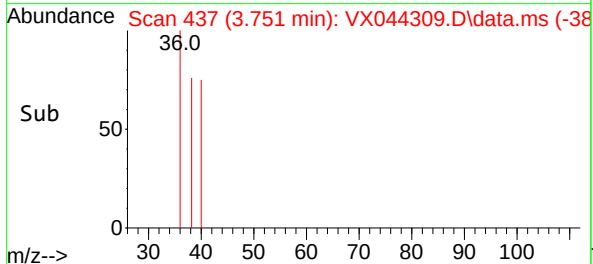
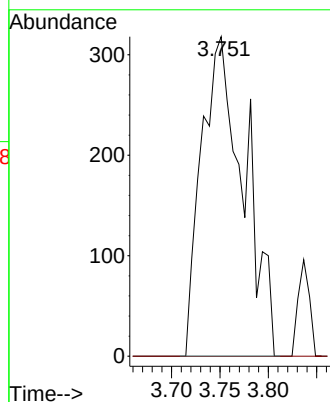
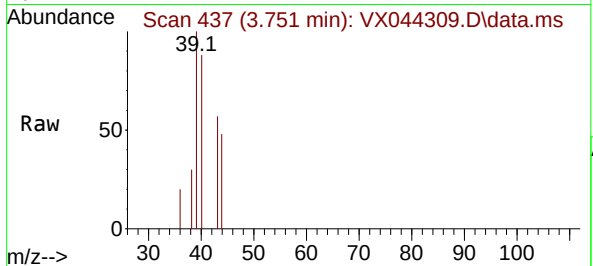




#23
 Vinyl Acetate
 Concen: 0.223 ug/l
 RT: 3.751 min Scan# 41
 Delta R.T. 0.030 min
 Lab File: VX044309.D
 Acq: 16 Dec 2024 09:27

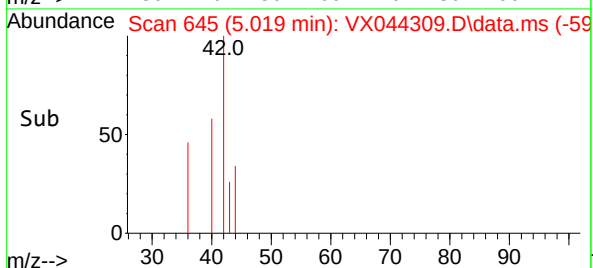
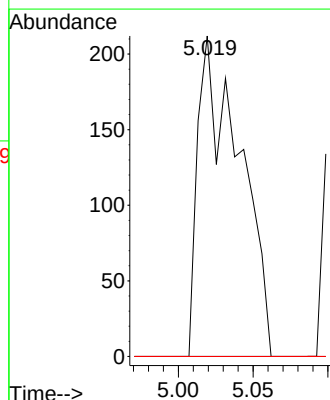
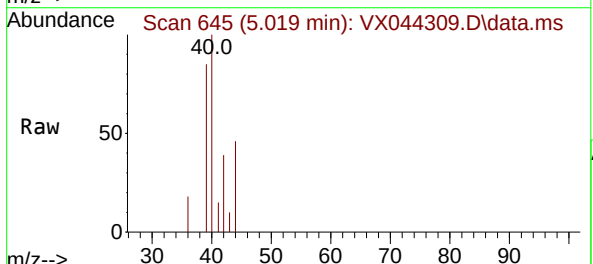
Instrument :
 MSVOA_X
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 VX1216MBL01

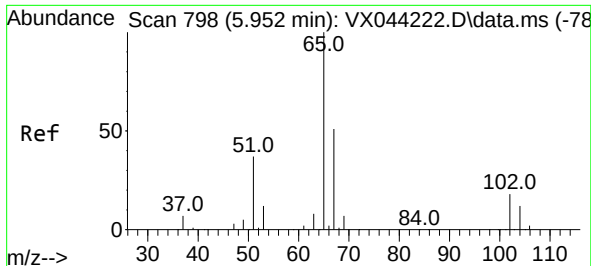
Tgt Ion: 43 Resp: 975
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#29
 Tetrahydrofuran
 Concen: 0.492 ug/l
 RT: 5.019 min Scan# 645
 Delta R.T. 0.012 min
 Lab File: VX044309.D
 Acq: 16 Dec 2024 09:27

Tgt Ion: 42 Resp: 410
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.0 55.6#
 71 0.0 33.6 50.4#





#33

1,2-Dichloroethane-d4

Concen: 45.792 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044309.D

Acq: 16 Dec 2024 09:27

Instrument :

MSVOA_X

ClientSampleId :

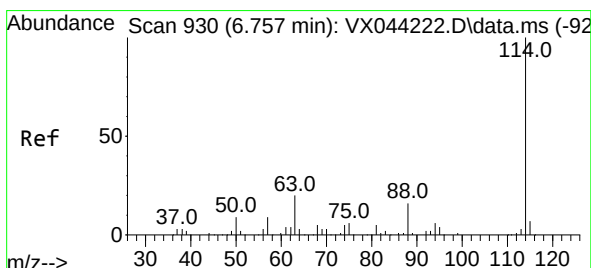
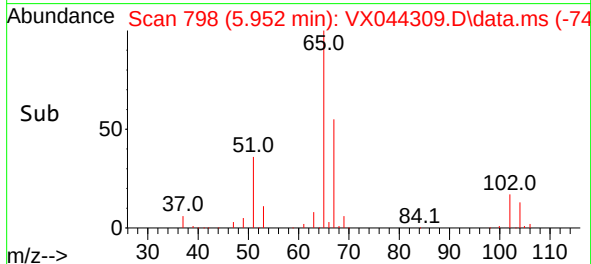
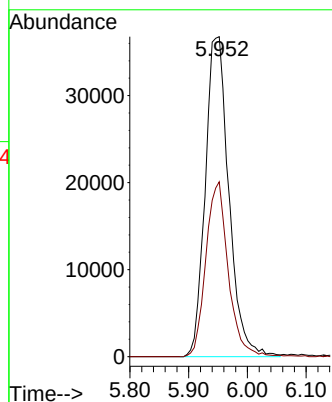
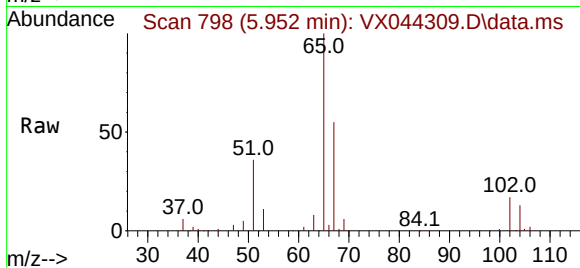
VX1216MBL01

Tgt Ion: 65 Resp: 102559

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044309.D

Acq: 16 Dec 2024 09:27

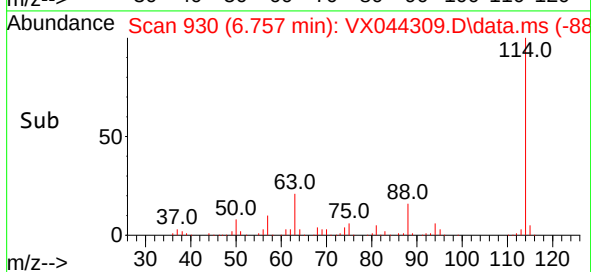
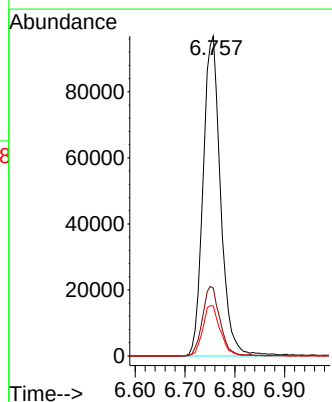
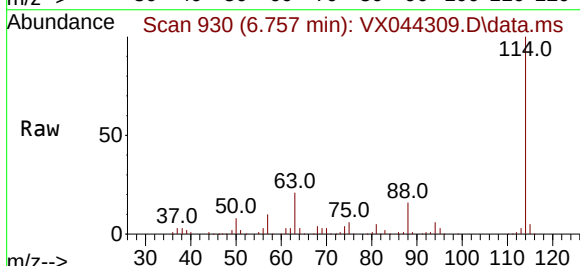
Tgt Ion: 114 Resp: 236007

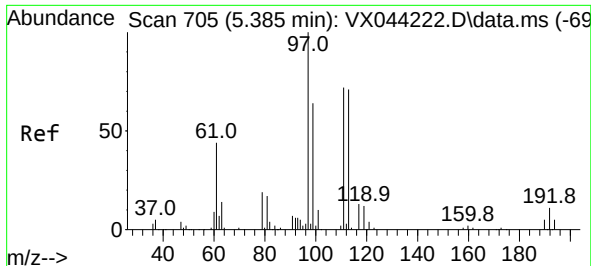
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.6

88 15.7 0.0 31.8

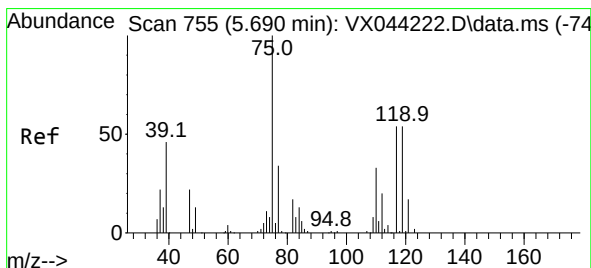
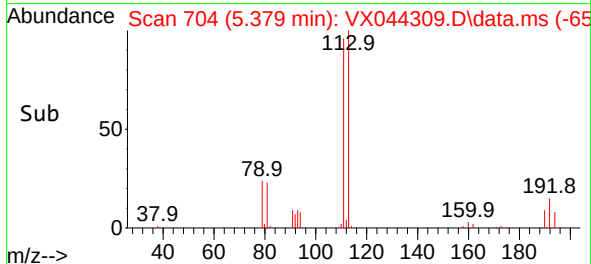
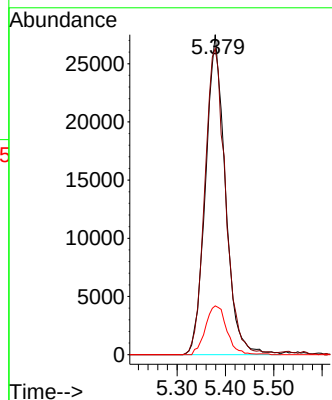
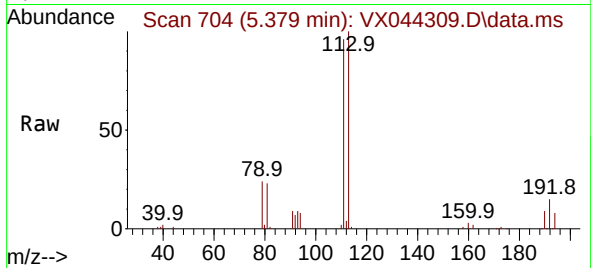




#35
Dibromofluoromethane
Concen: 47.885 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

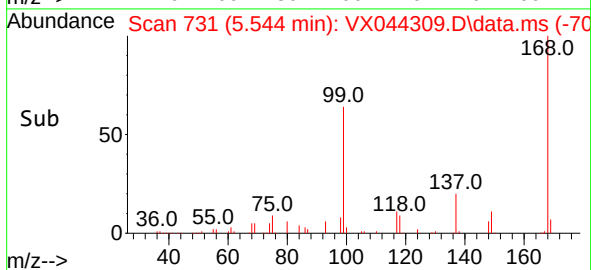
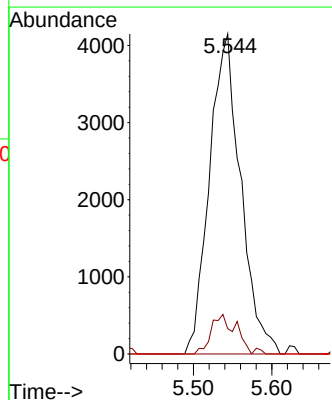
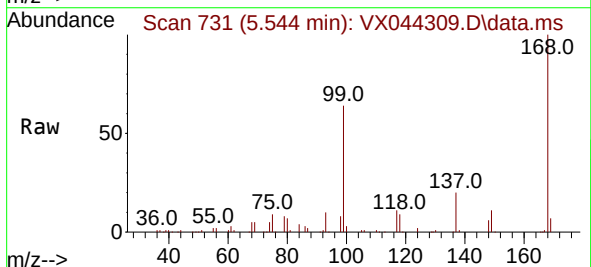
Instrument :
MSVOA_X
ClientSampleId :
VX1216MBL01

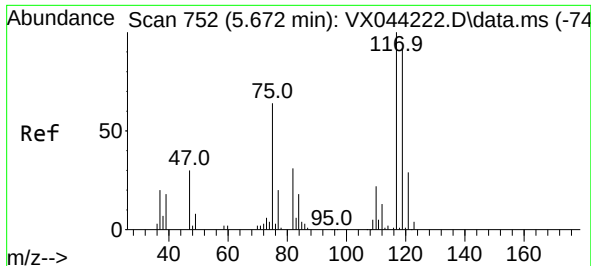
Tgt Ion:113 Resp: 78271
Ion Ratio Lower Upper
113 100
111 100.1 80.4 120.6
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.438 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

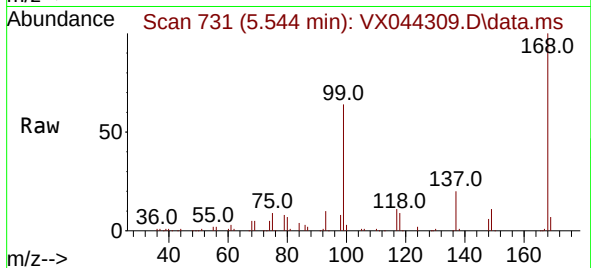
Tgt Ion: 75 Resp: 11489
Ion Ratio Lower Upper
75 100
110 9.7 17.3 51.7#
77 0.0 25.4 38.0#



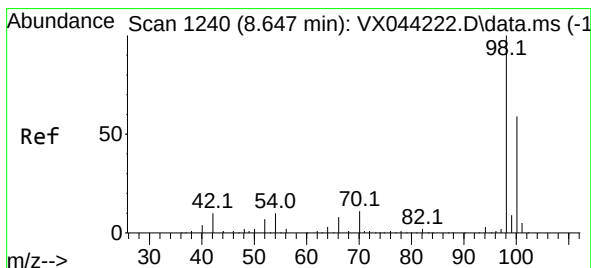
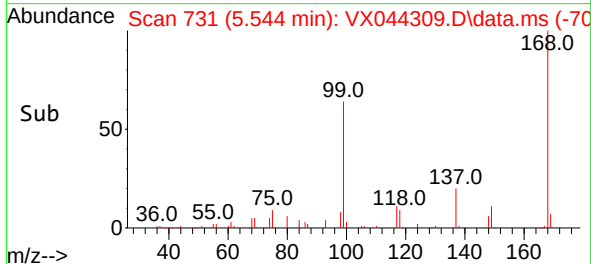
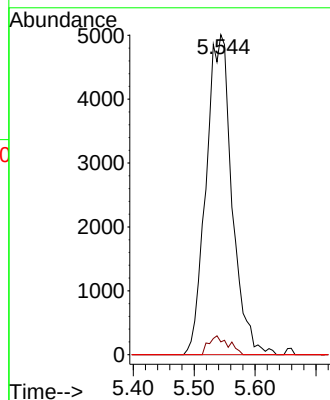


#38
Carbon Tetrachloride
Concen: 6.521 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Instrument :
MSVOA_X
ClientSampleId :
VX1216MBL01

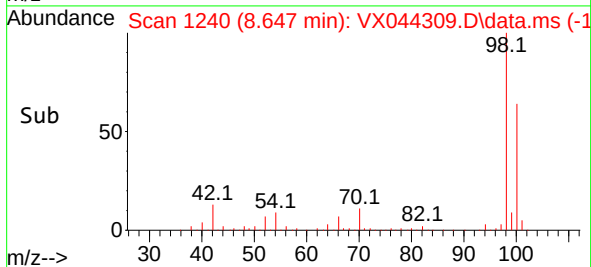
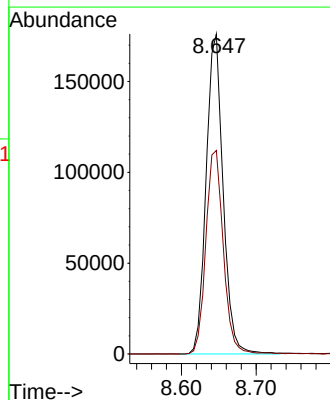
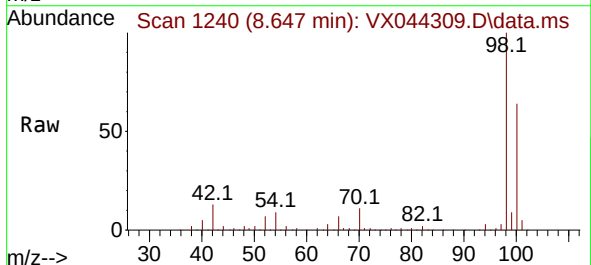


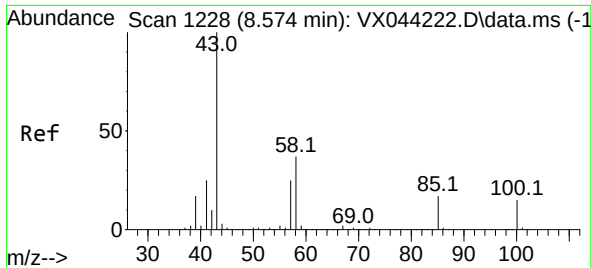
Tgt Ion:117 Resp: 14834
Ion Ratio Lower Upper
117 100
119 4.0 74.2 111.4#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 50.254 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion: 98 Resp: 277127
Ion Ratio Lower Upper
98 100
100 65.7 51.5 77.3

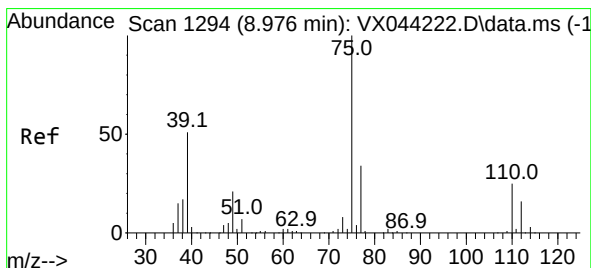
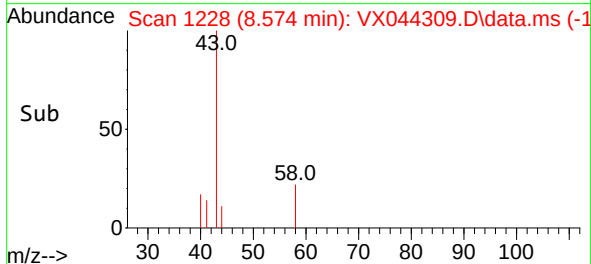
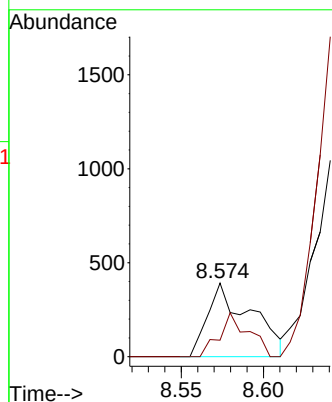
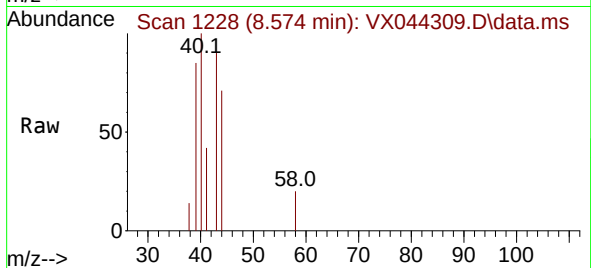




#51
4-Methyl-2-Pentanone
Concen: 0.272 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

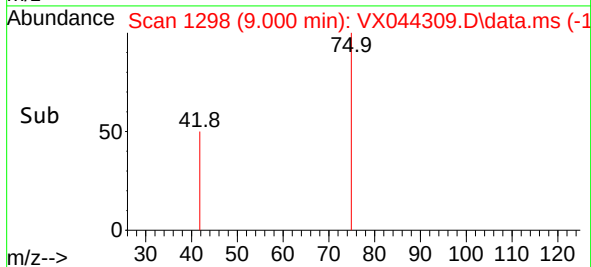
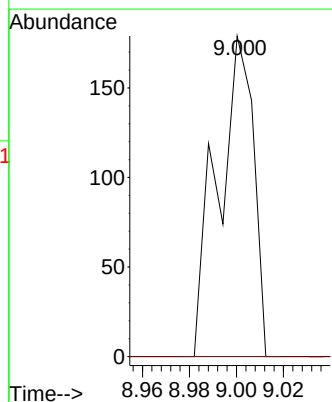
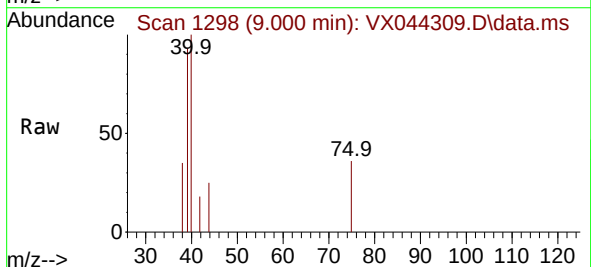
Instrument :
MSVOA_X
ClientSampleId :
VX1216MBL01

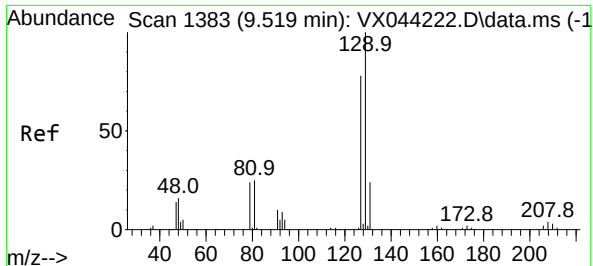
Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 40.2 29.4 44.0



#53
t-1,3-Dichloropropene
Concen: 1.078 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.024 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion: 75 Resp: 188
Ion Ratio Lower Upper
75 100
77 0.0 27.2 40.8#

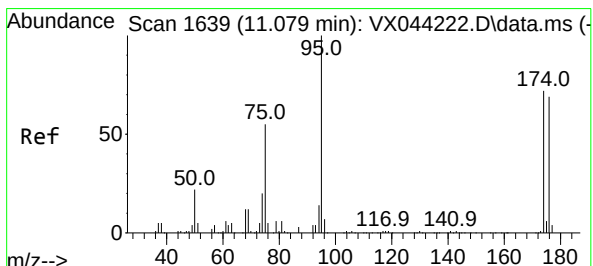
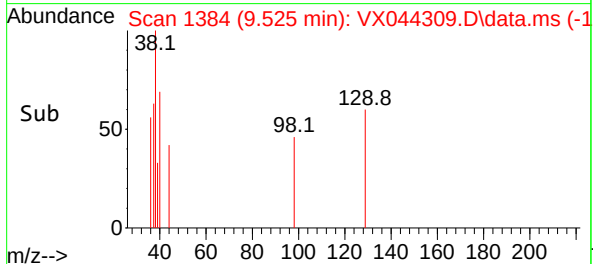
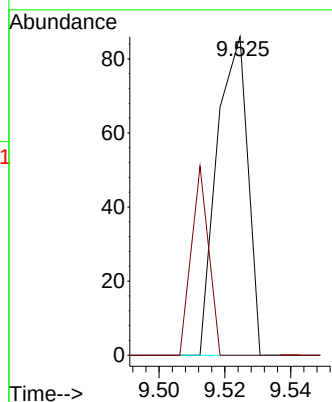
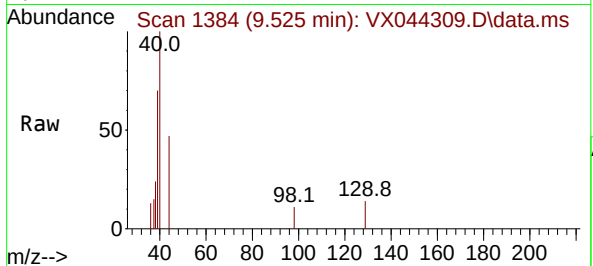




#60
Dibromochloromethane
Concen: 1.265 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

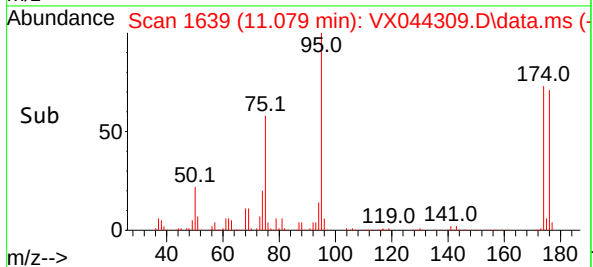
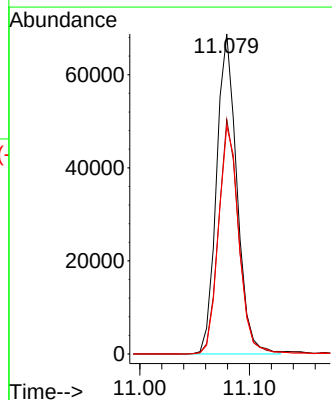
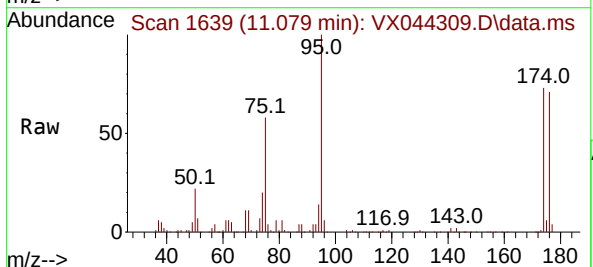
Instrument :
MSVOA_X
ClientSampleId :
VX1216MBL01

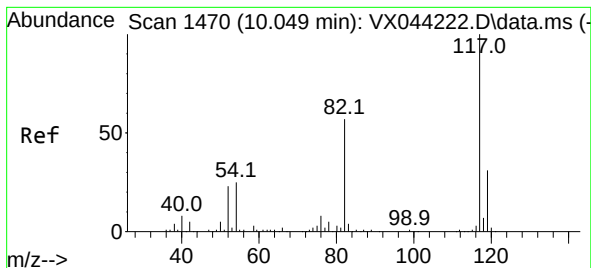
Tgt Ion:129 Resp: 56
Ion Ratio Lower Upper
129 100
127 33.9 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 46.132 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion: 95 Resp: 88892
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.8
176 71.3 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044309.D

Acq: 16 Dec 2024 09:27

Instrument :

MSVOA_X

ClientSampleId :

VX1216MBL01

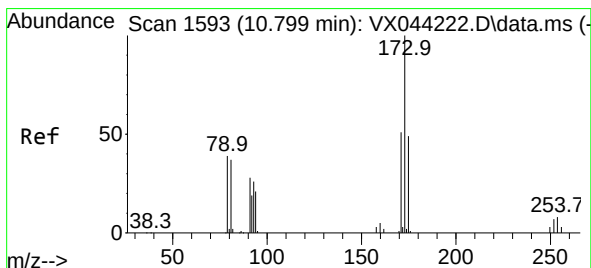
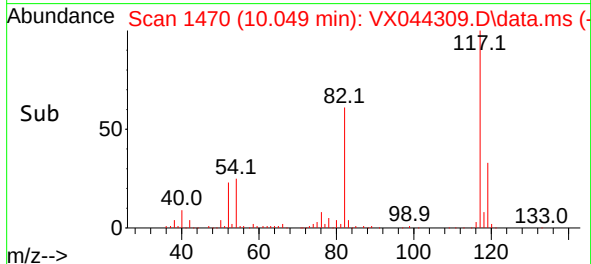
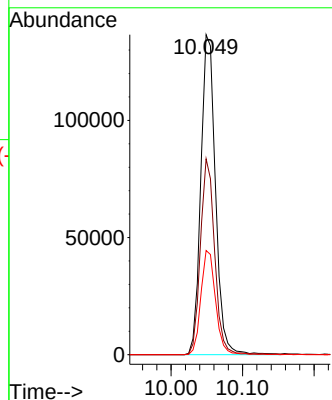
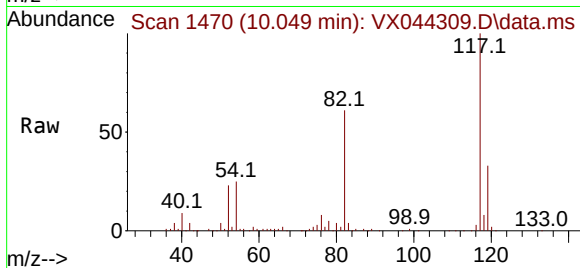
Tgt Ion:117 Resp: 194676

Ion Ratio Lower Upper

117 100

82 61.2 45.8 68.8

119 32.5 25.0 37.4



#71

Bromoform

Concen: 1.320 ug/l

RT: 10.811 min Scan# 1595

Delta R.T. 0.012 min

Lab File: VX044309.D

Acq: 16 Dec 2024 09:27

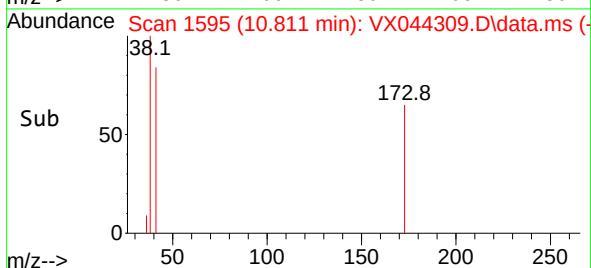
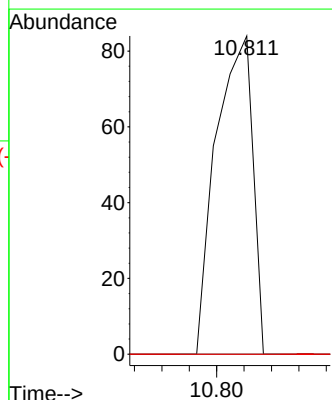
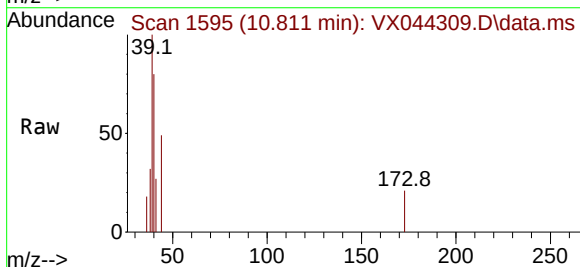
Tgt Ion:173 Resp: 78

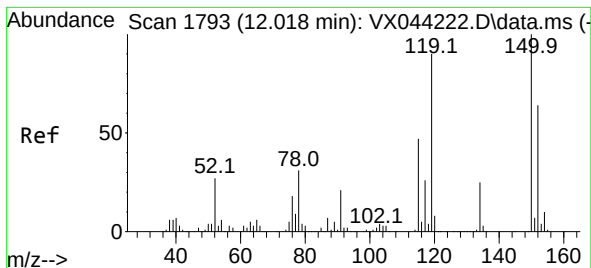
Ion Ratio Lower Upper

173 100

175 0.0 23.8 71.4#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044309.D

Acq: 16 Dec 2024 09:27

Instrument :

MSVOA_X

ClientSampleId :

VX1216MBL01

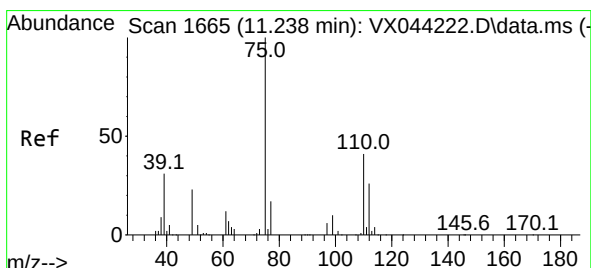
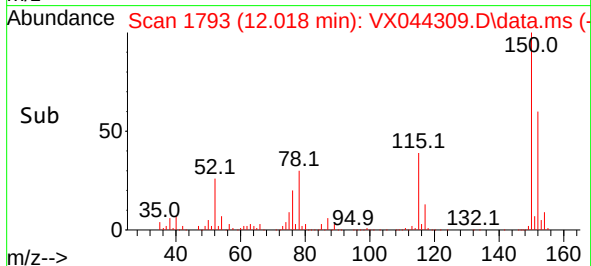
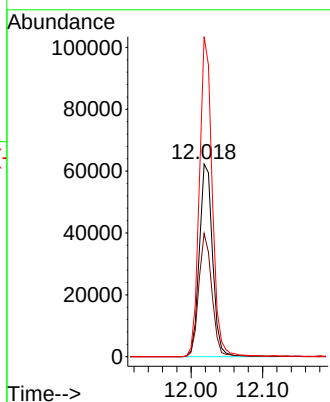
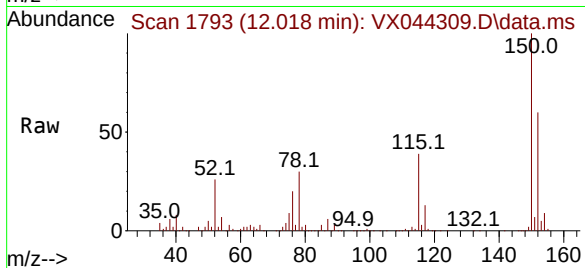
Tgt Ion:152 Resp: 80262

Ion Ratio Lower Upper

152 100

115 63.2 44.5 133.3

150 160.4 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 28.420 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044309.D

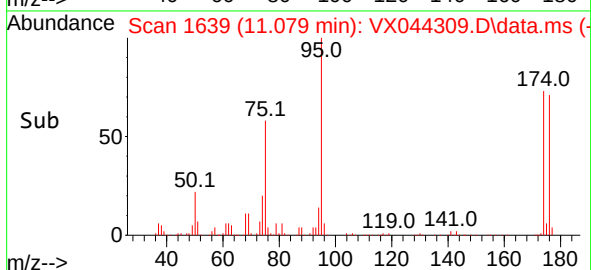
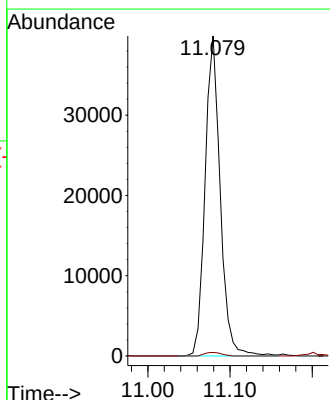
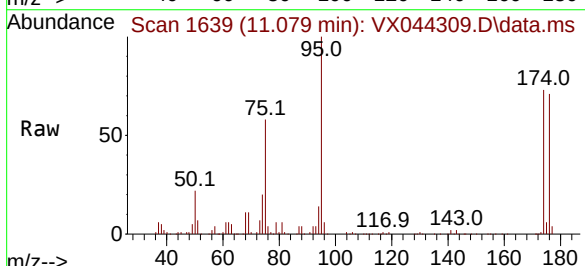
Acq: 16 Dec 2024 09:27

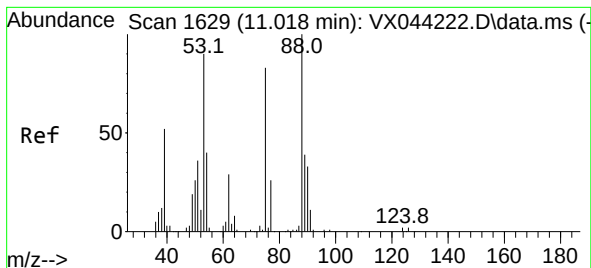
Tgt Ion: 75 Resp: 50930

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#

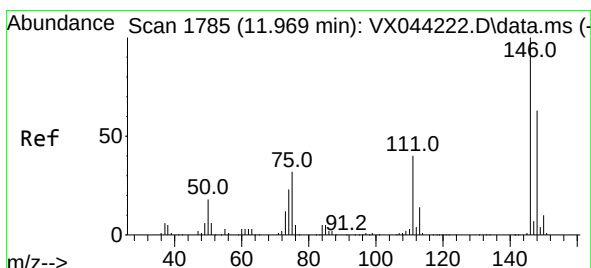
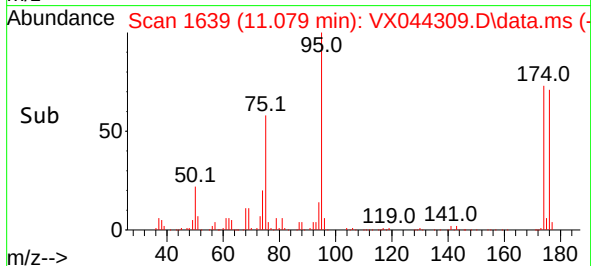
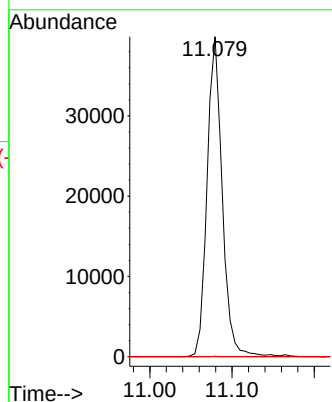
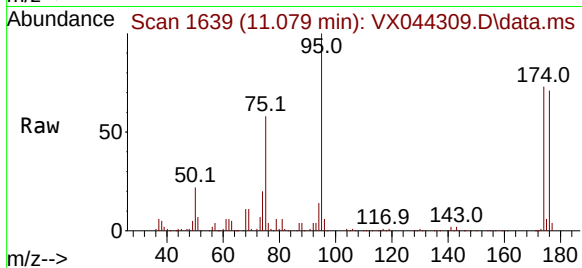




#81
trans-1,4-Dichloro-2-butene
Concen: 77.930 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

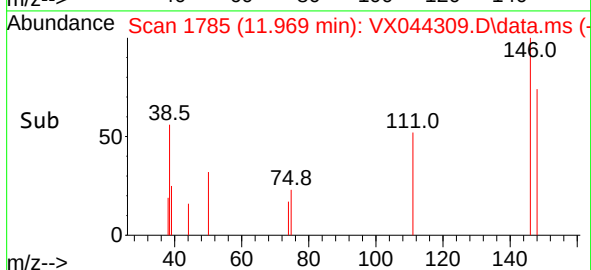
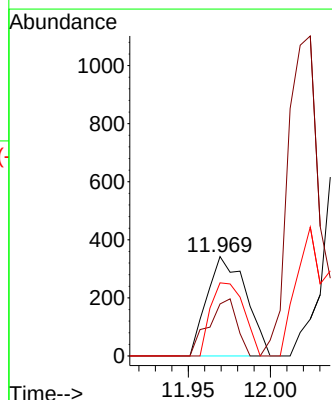
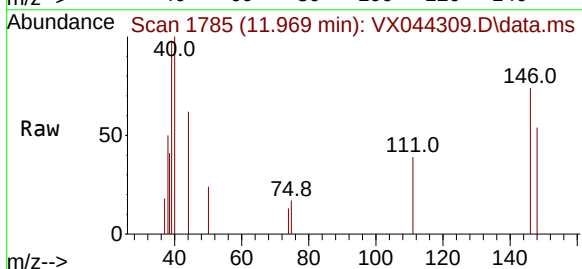
Instrument :
MSVOA_X
ClientSampleId :
VX1216MBL01

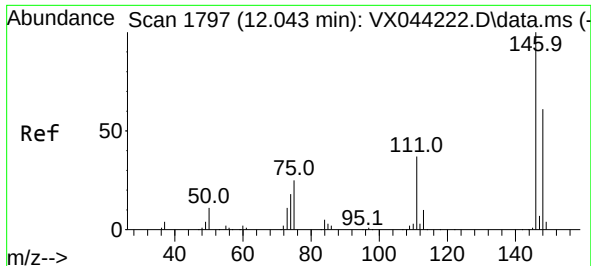
Tgt Ion: 75 Resp: 50930
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#



#87
1,3-Dichlorobenzene
Concen: 0.217 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion: 146 Resp: 565
Ion Ratio Lower Upper
146 100
111 41.6 21.4 64.2
148 62.7 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 0.211 ug/l

RT: 11.969 min Scan# 1

Delta R.T. -0.073 min

Lab File: VX044309.D

Acq: 16 Dec 2024 09:27

Instrument :

MSVOA_X

ClientSampleId :

VX1216MBL01

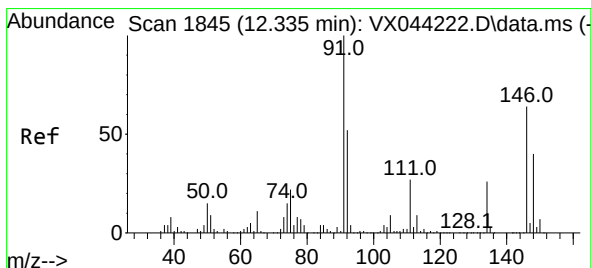
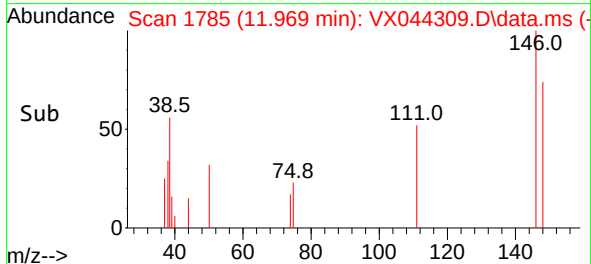
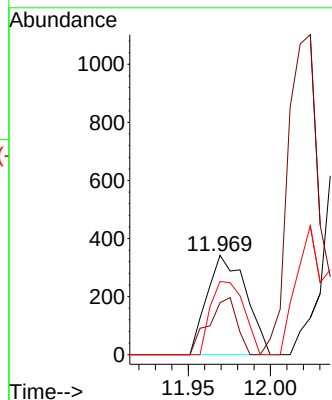
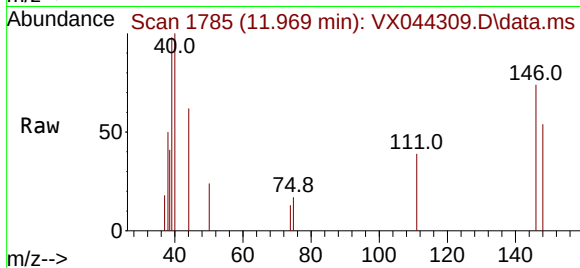
Tgt Ion:146 Resp: 565

Ion Ratio Lower Upper

146 100

111 41.6 21.0 63.0

148 62.7 32.3 96.8



#91

1,2-Dichlorobenzene

Concen: 0.203 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX044309.D

Acq: 16 Dec 2024 09:27

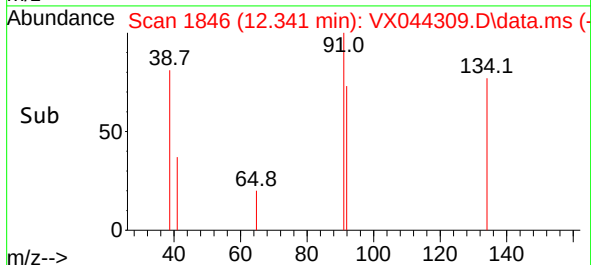
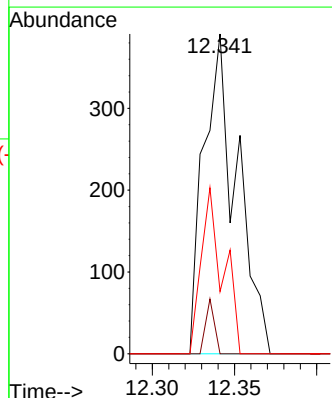
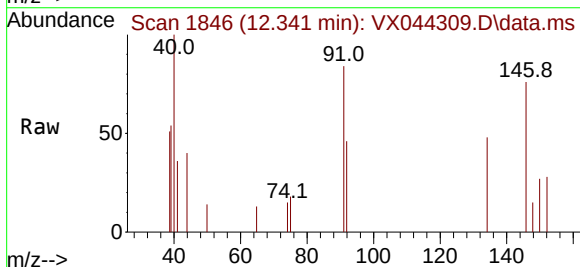
Tgt Ion:146 Resp: 549

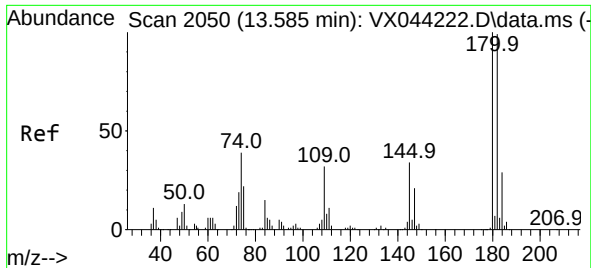
Ion Ratio Lower Upper

146 100

111 4.6 21.4 64.3#

148 34.1 31.6 95.0

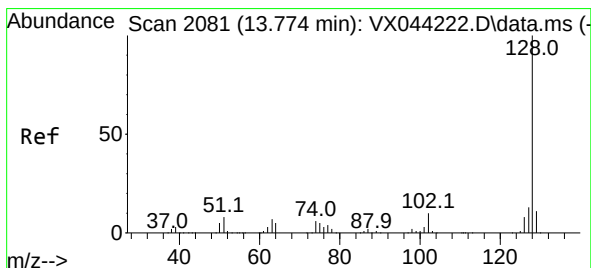
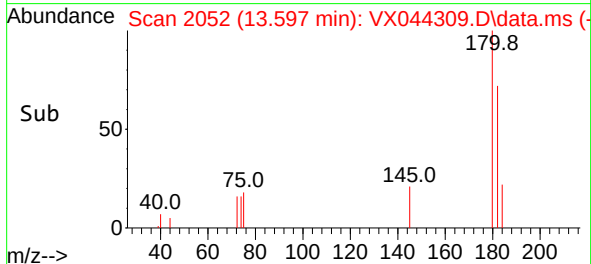
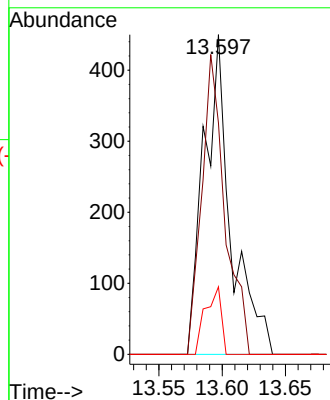
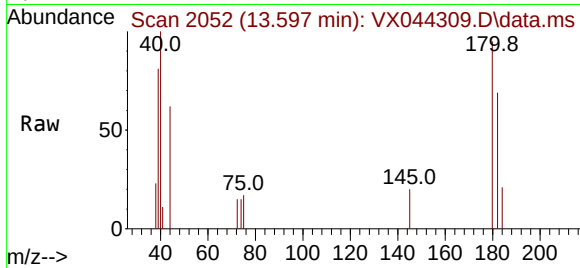




#93
1,2,4-Trichlorobenzene
Concen: 0.452 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

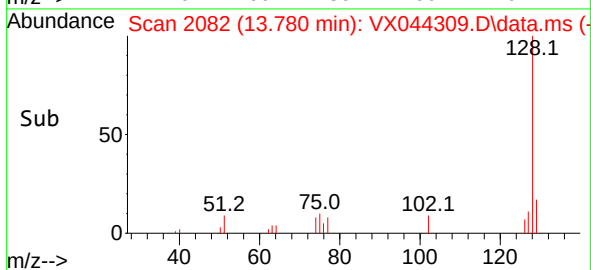
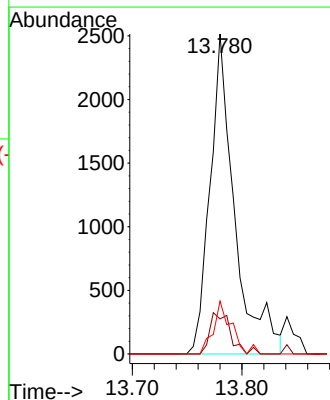
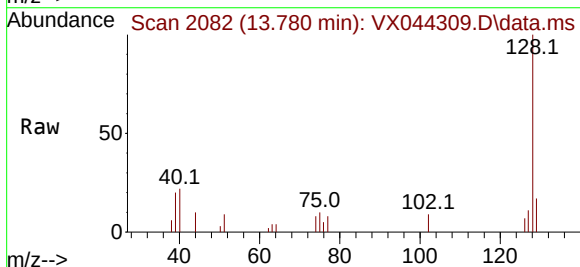
Instrument :
MSVOA_X
ClientSampleId :
VX1216MBL01

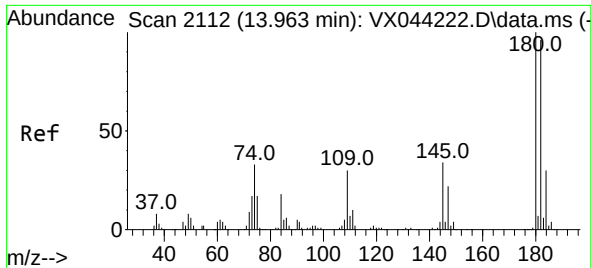
Tgt Ion:180 Resp: 670
Ion Ratio Lower Upper
180 100
182 80.6 48.0 144.2
145 12.4 16.6 49.7#



#95
Naphthalene
Concen: 0.679 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044309.D
Acq: 16 Dec 2024 09:27

Tgt Ion:128 Resp: 3925
Ion Ratio Lower Upper
128 100
127 10.9 10.5 15.7
129 11.5 9.0 13.4





#96
 1,2,3-Trichlorobenzene
 Concen: 0.427 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX044309.D
 Acq: 16 Dec 2024 09:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216MBL01

Tgt Ion:180	Resp:	671	
Ion	Ratio	Lower	Upper
180	100		
182	122.7	48.0	144.0
145	30.3	17.7	53.1

