

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
 Data File : VX045731.D
 Acq On : 11 Apr 2025 11:09
 Operator : JC/MD
 Sample : VX0411MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBL01

Quant Time: Apr 11 23:03:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

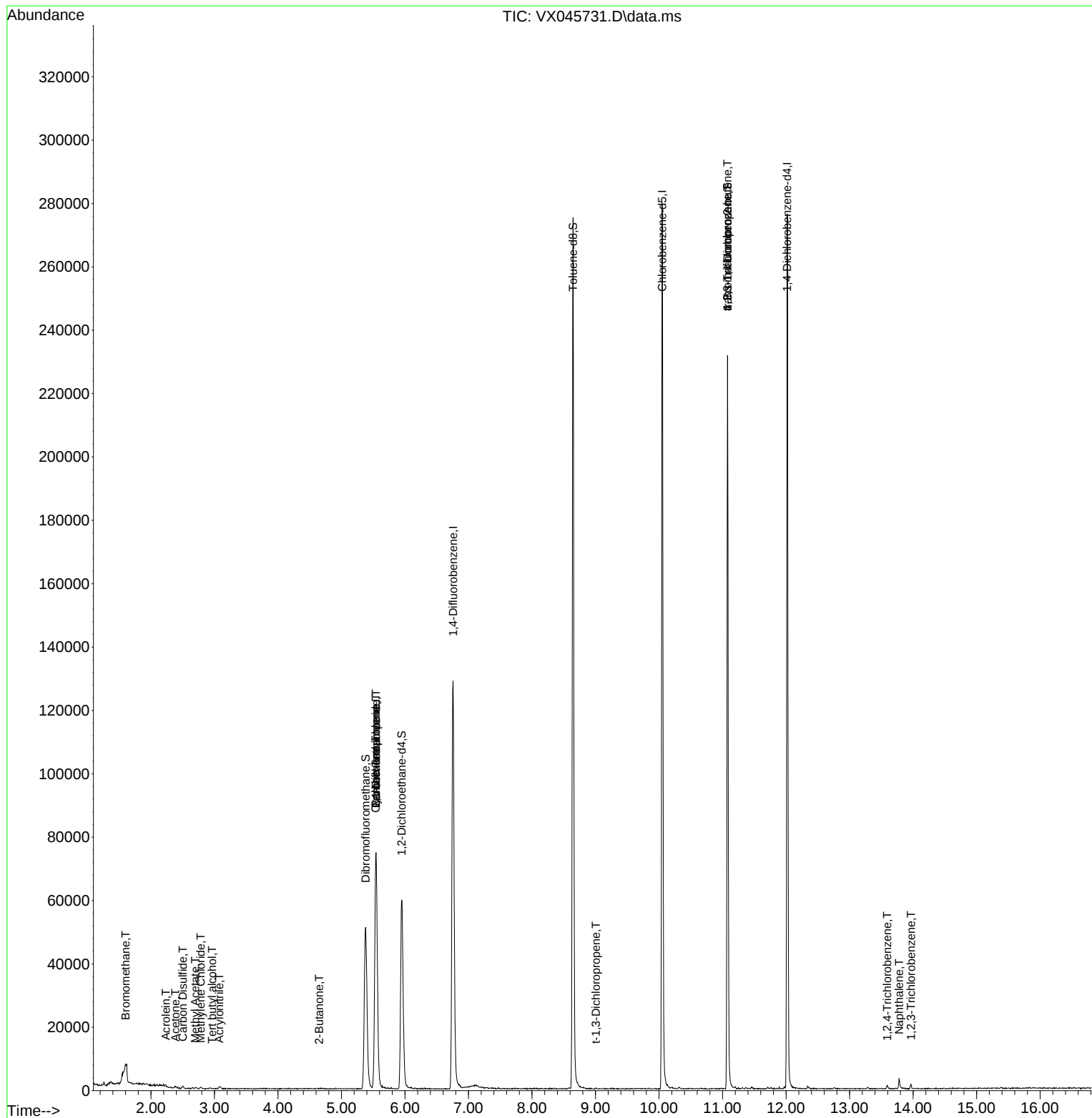
Internal Standards						
1) Pentafluorobenzene	5.544	168	63937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63273	54.115	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.220%			
35) Dibromofluoromethane	5.379	113	45159	51.579	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.160%			
50) Toluene-d8	8.647	98	156210	51.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	11.079	95	61301	55.071	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.140%			
Target Compounds						Qvalue
5) Bromomethane	1.599	94	190	0.446	ug/l #	44
11) Tert butyl alcohol	2.965	59	118	0.751	ug/l #	72
13) Acrolein	2.233	56	244	1.128	ug/l	88
15) Acrylonitrile	3.075	53	363	0.732	ug/l #	81
16) Acetone	2.386	43	704	1.466	ug/l #	82
17) Carbon Disulfide	2.502	76	945	0.498	ug/l #	95
18) Methyl Acetate	2.697	43	528	0.478	ug/l #	67
20) Methylene Chloride	2.782	84	200	0.223	ug/l #	83
25) 2-Butanone	4.647	43	160	0.228	ug/l #	52
31) Cyclohexane	5.538	56	1918	1.337	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	6336	5.360	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7347	5.751	ug/l #	15
53) t-1,3-Dichloropropene	9.006	75	19	2.303	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	34912	28.075	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34912	95.283	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	422	0.444	ug/l	98
95) Naphthalene	13.780	128	2906	0.822	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	425	0.427	ug/l	74

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

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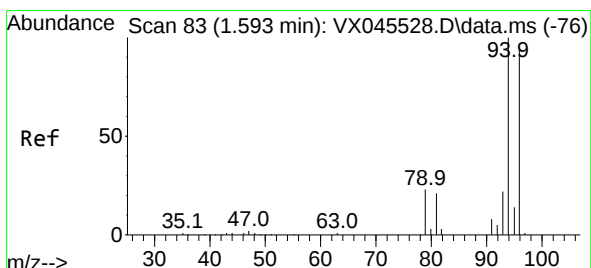
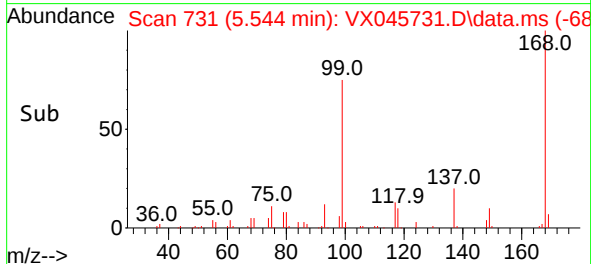
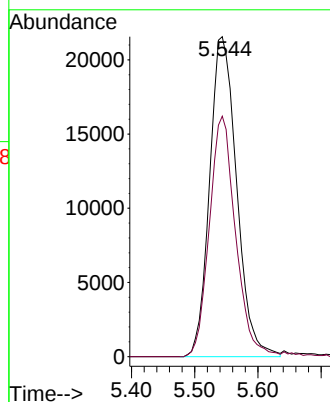
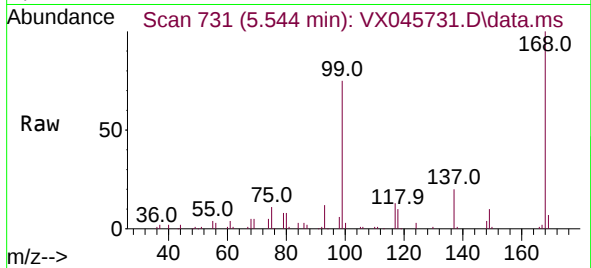




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

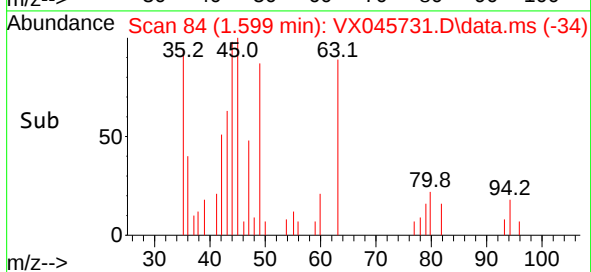
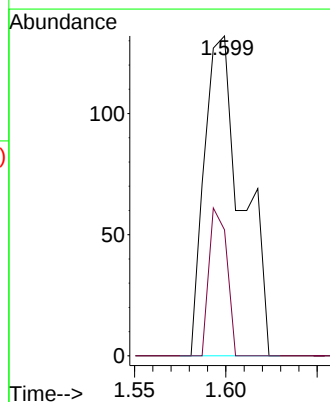
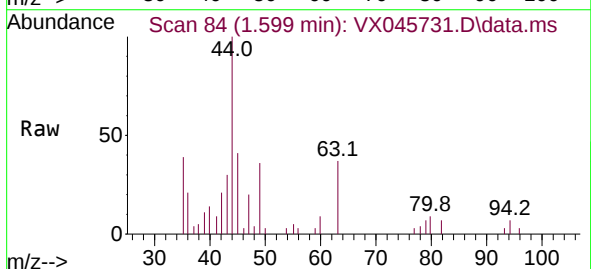
Instrument :
MSVOA_X
ClientSampleId :
VX0411MBL01

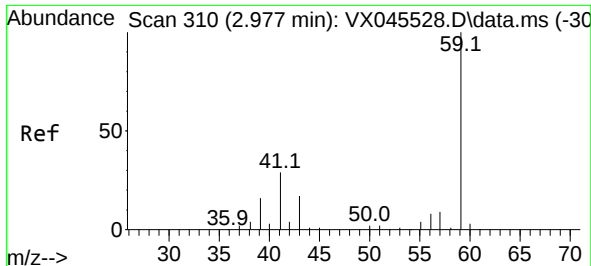
Tgt Ion:168 Resp: 63937
Ion Ratio Lower Upper
168 100
99 75.2 52.3 78.5



#5
Bromomethane
Concen: 0.446 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion: 94 Resp: 190
Ion Ratio Lower Upper
94 100
96 39.4 74.8 112.2#

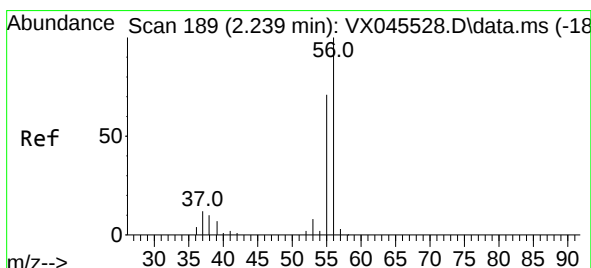
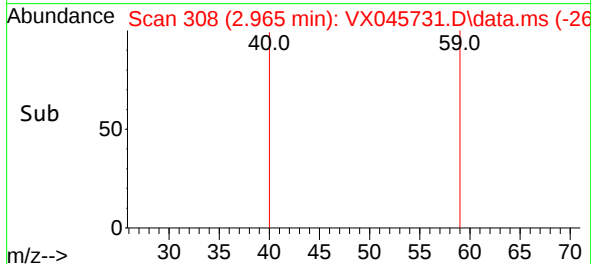
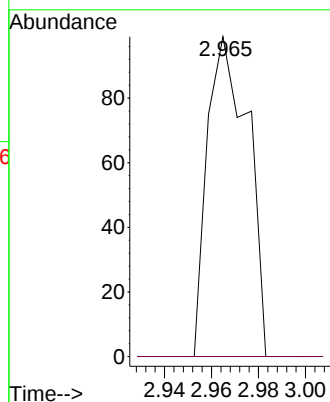
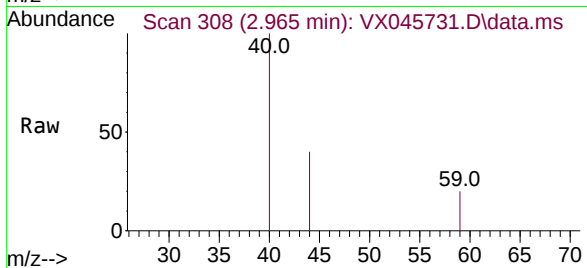




#11
Tert butyl alcohol
Concen: 0.751 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

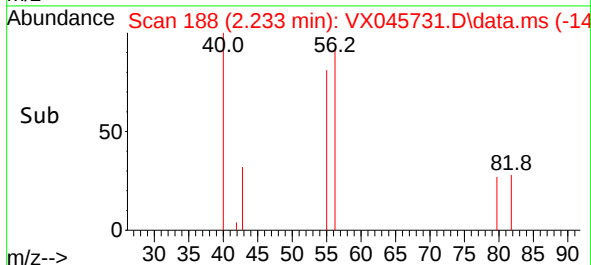
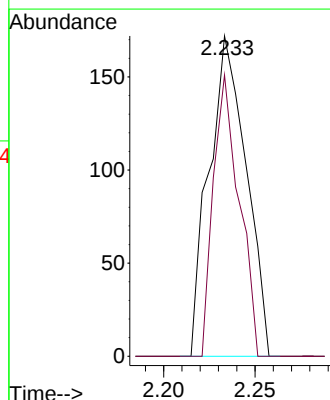
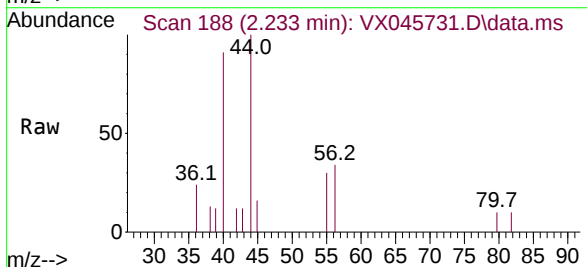
Instrument :
MSVOA_X
ClientSampleId :
VX0411MBL01

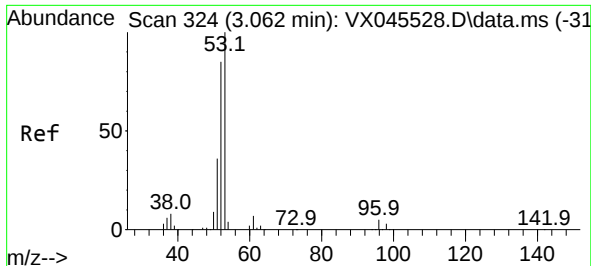
Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.128 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 60.7 56.2 84.2





#15

Acrylonitrile

Concen: 0.732 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX045731.D

Acq: 11 Apr 2025 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBL01

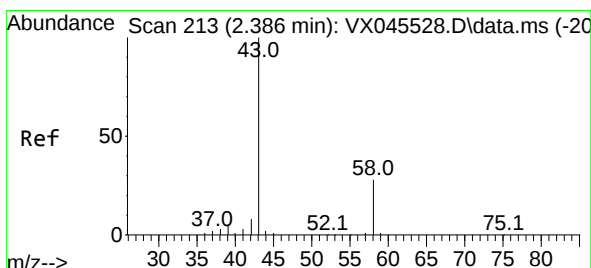
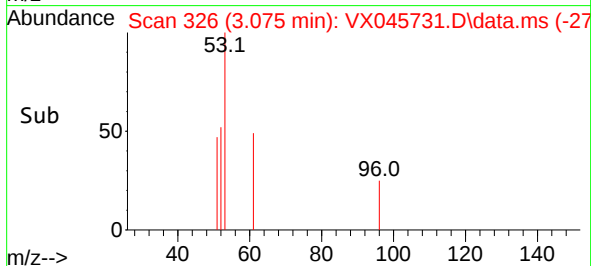
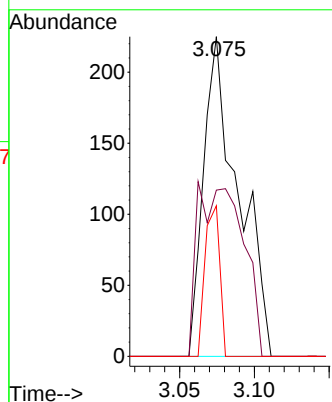
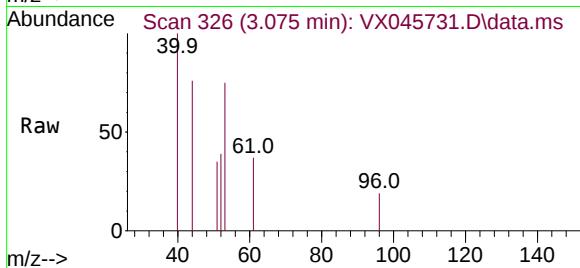
Tgt Ion: 53 Resp: 363

Ion Ratio Lower Upper

53 100

52 70.8 67.4 101.2

51 19.8 29.9 44.9#



#16

Acetone

Concen: 1.466 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045731.D

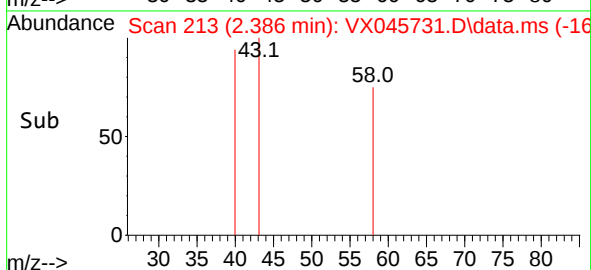
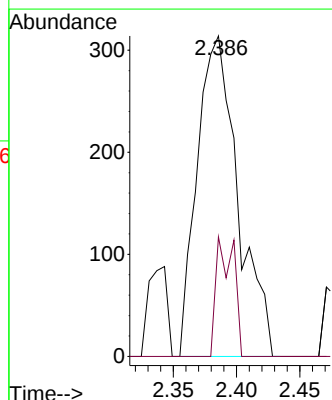
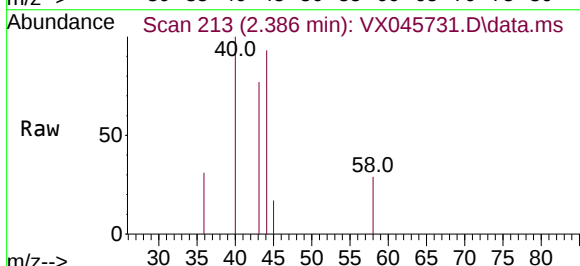
Acq: 11 Apr 2025 11:09

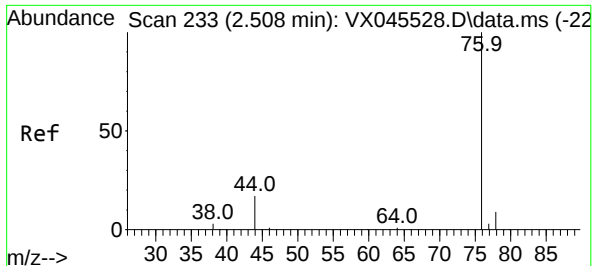
Tgt Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

58 37.3 22.3 33.5#

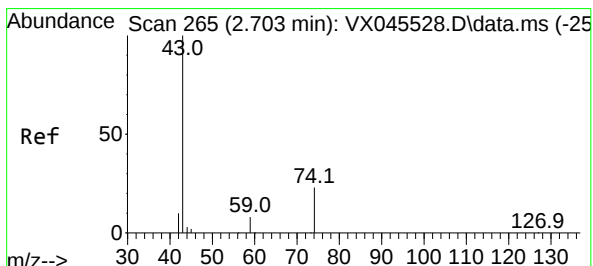
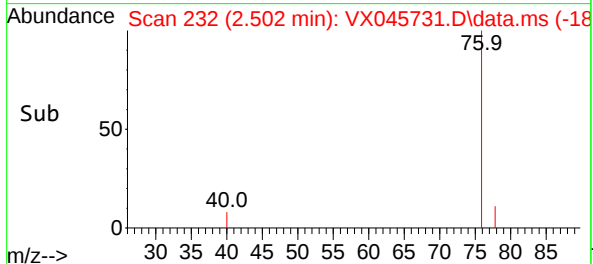
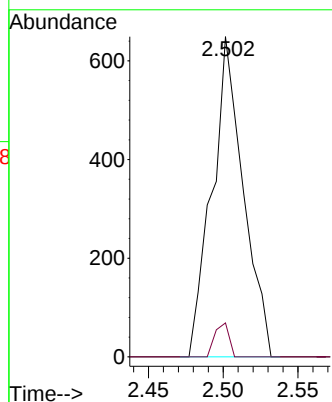
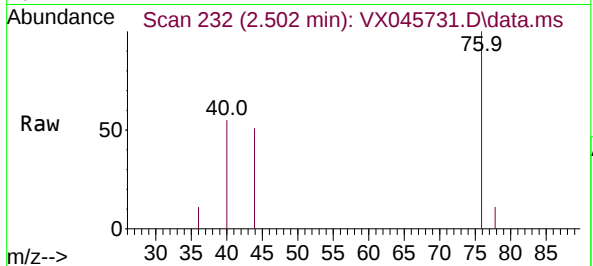




#17
Carbon Disulfide
Concen: 0.498 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

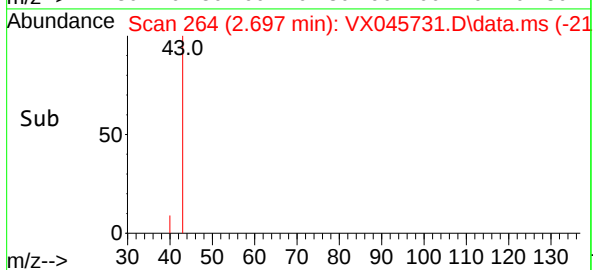
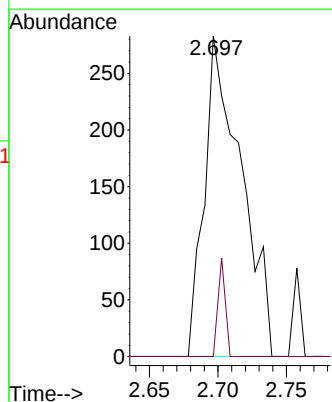
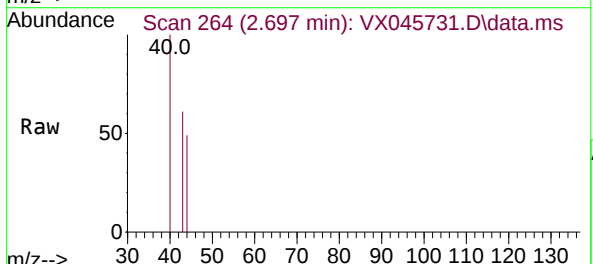
Instrument :
MSVOA_X
ClientSampleId :
VX0411MBL01

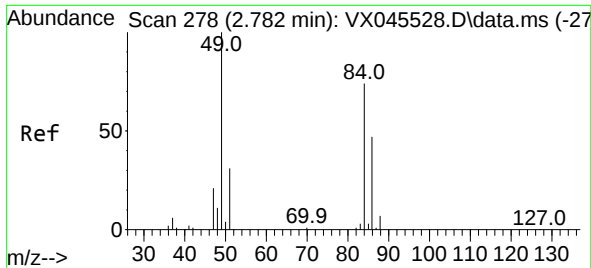
Tgt Ion: 76 Resp: 945
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.6#



#18
Methyl Acetate
Concen: 0.478 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
74 6.1 17.5 26.3#

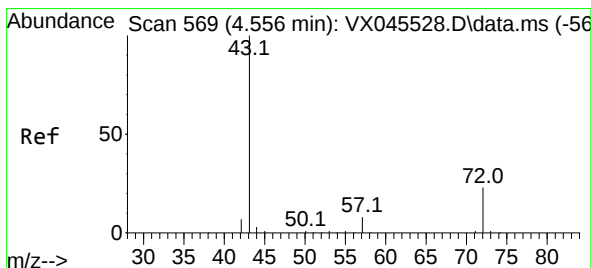
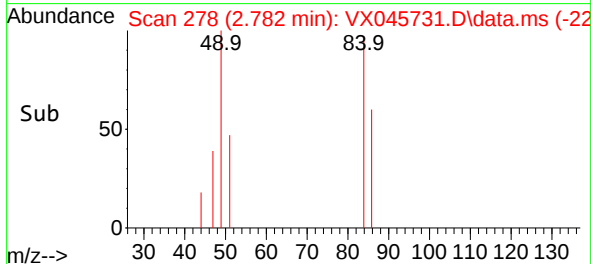
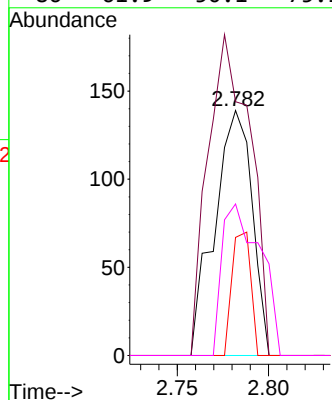
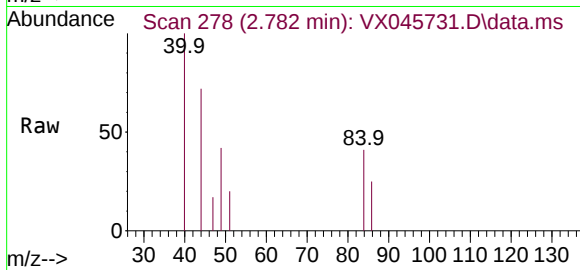




#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

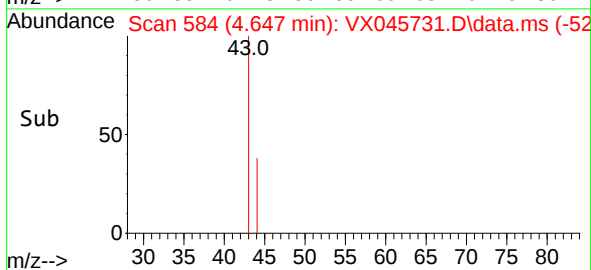
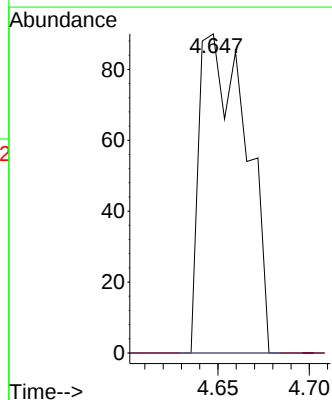
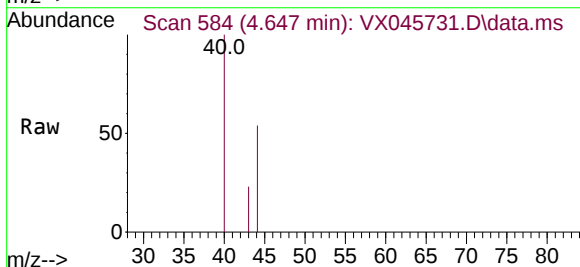
Instrument :
MSVOA_X
ClientSampleId :
VX0411MBL01

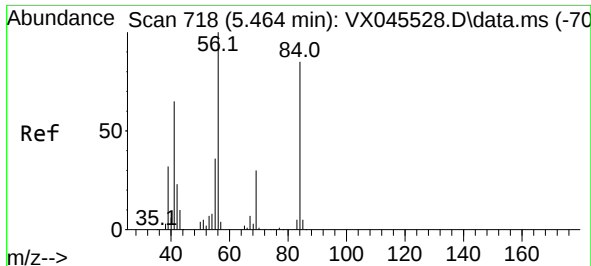
Tgt Ion:	84	Resp:	200
Ion	Ratio	Lower	Upper
84	100		
49	103.6	107.5	161.3#
51	48.2	33.0	49.6
86	61.9	50.1	75.1



#25
2-Butanone
Concen: 0.228 ug/l
RT: 4.647 min Scan# 584
Delta R.T. 0.091 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion:	43	Resp:	160
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	28.0#

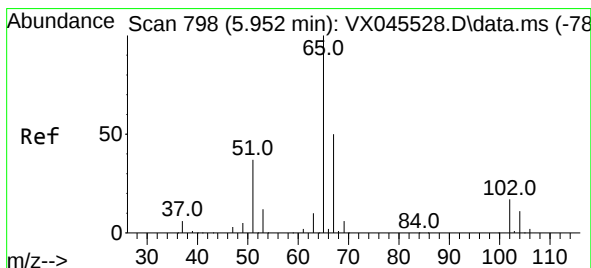
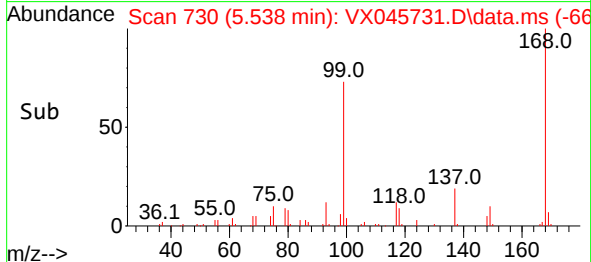
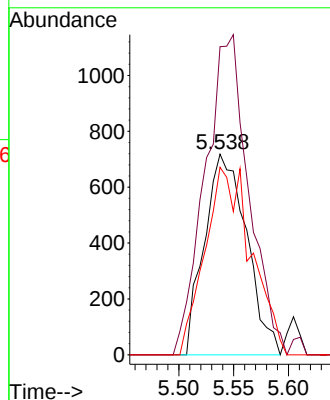
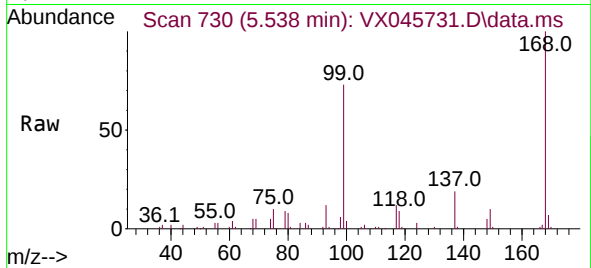




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

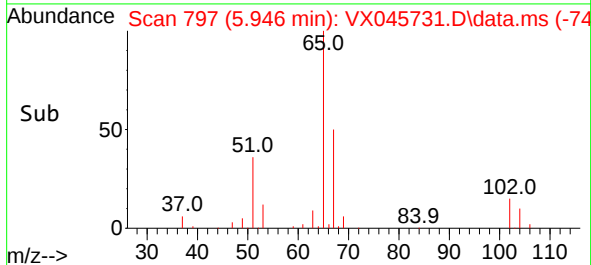
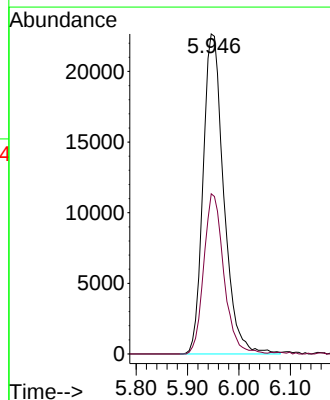
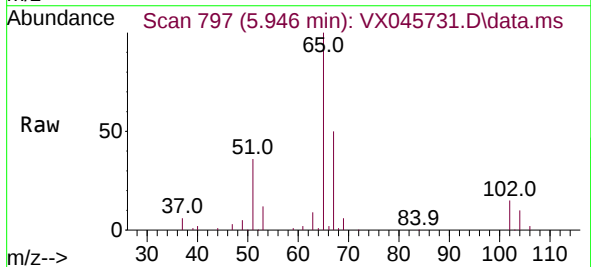
Instrument :
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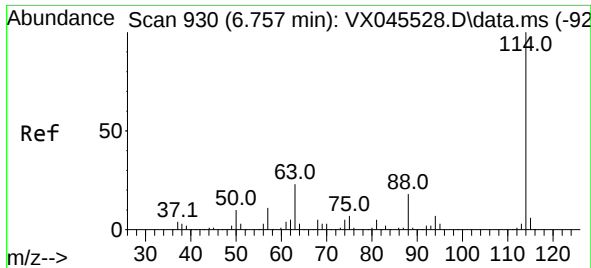
Tgt Ion: 56 Resp: 1918
Ion Ratio Lower Upper
56 100
69 142.6 23.6 35.4#
84 93.5 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.115 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion: 65 Resp: 63273
Ion Ratio Lower Upper
65 100
67 48.6 0.0 99.0

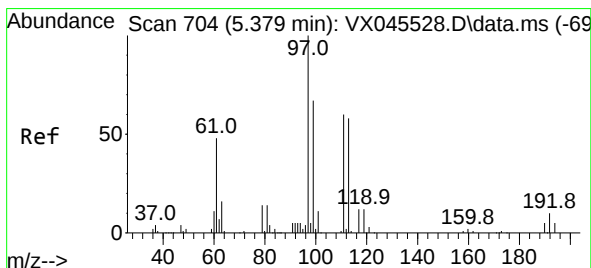
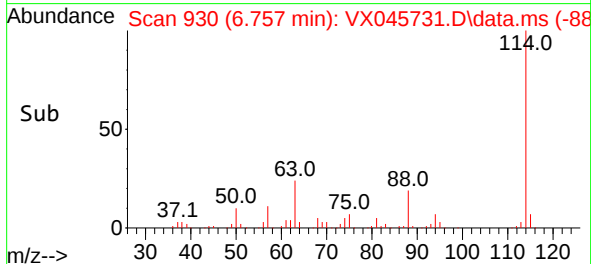
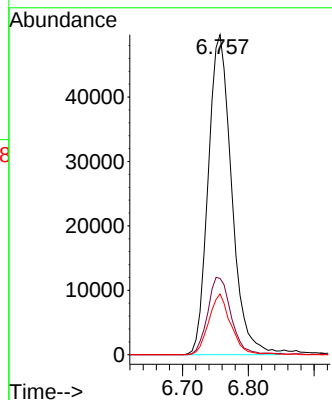
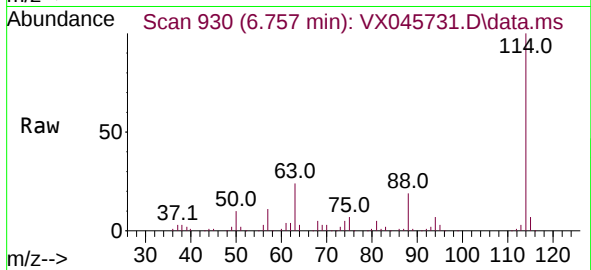




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

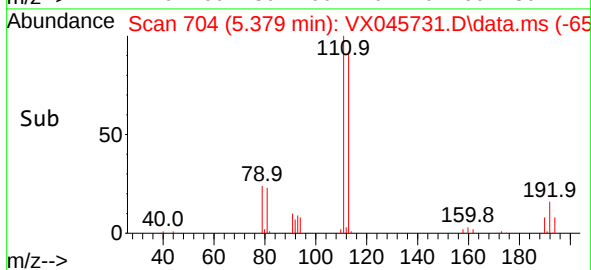
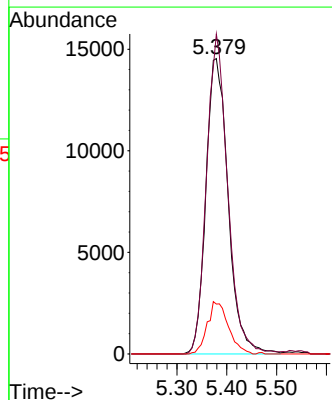
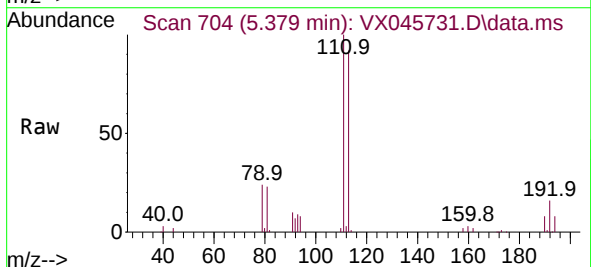
Instrument :
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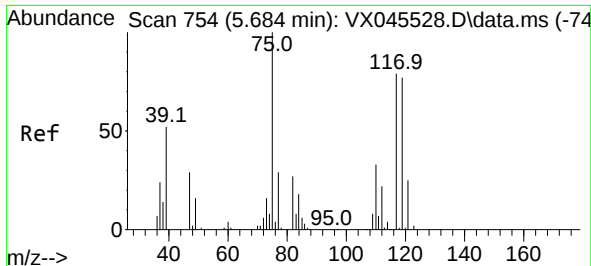
Tgt Ion:114 Resp: 123400
Ion Ratio Lower Upper
114 100
63 23.8 0.0 46.8
88 19.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.579 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion:113 Resp: 45159
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 16.7 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.360 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045731.D

Acq: 11 Apr 2025 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0411MBL01

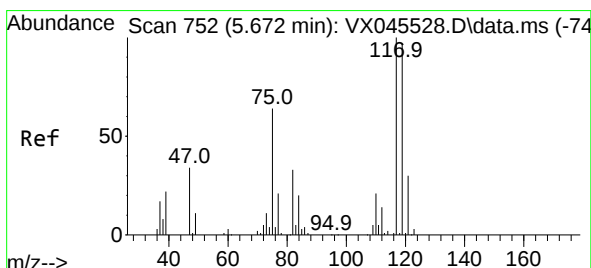
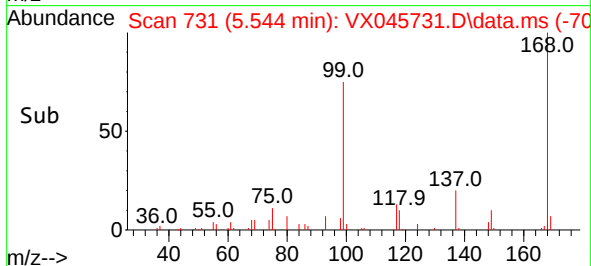
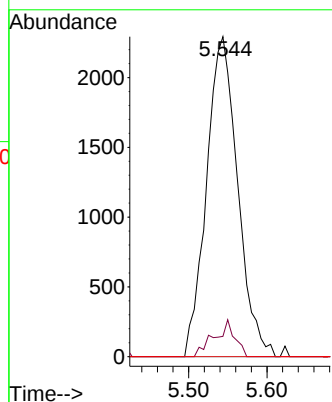
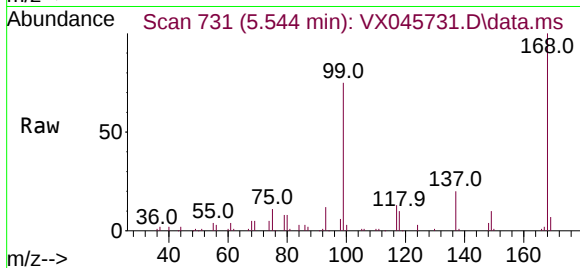
Tgt Ion: 75 Resp: 6336

Ion Ratio Lower Upper

75 100

110 7.5 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.751 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045731.D

Acq: 11 Apr 2025 11:09

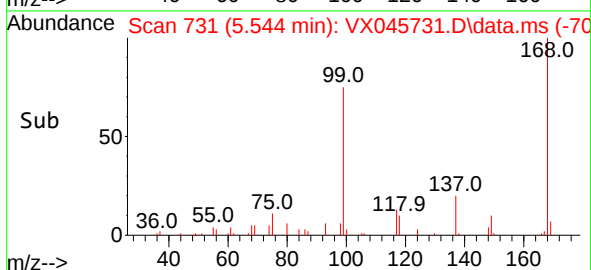
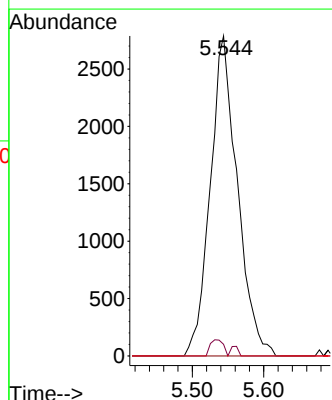
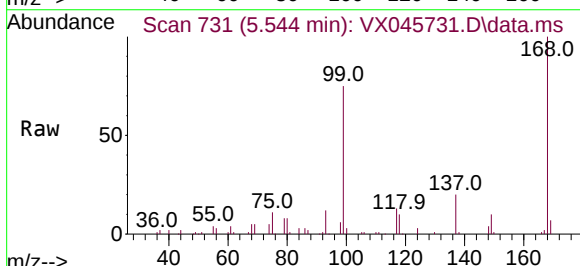
Tgt Ion: 117 Resp: 7347

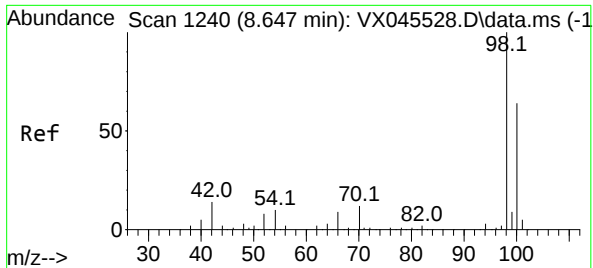
Ion Ratio Lower Upper

117 100

119 3.7 76.9 115.3#

121 0.0 24.2 36.2#

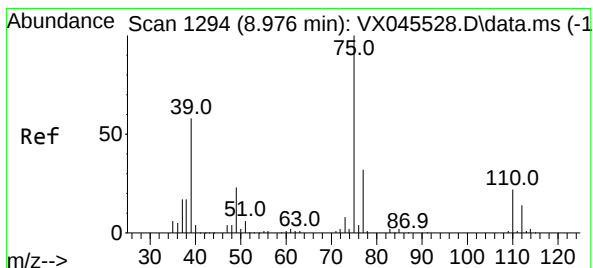
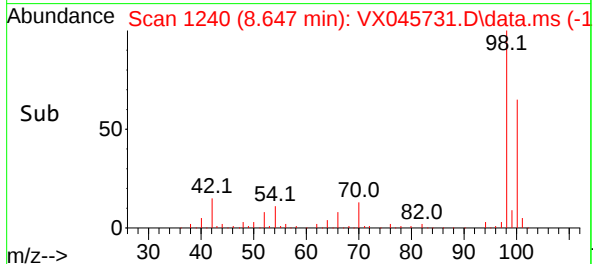
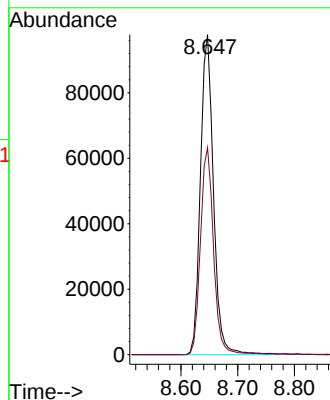
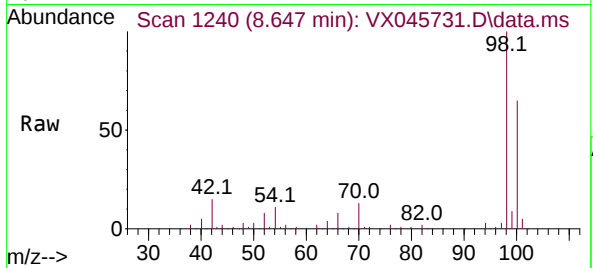




#50
Toluene-d8
Concen: 51.117 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

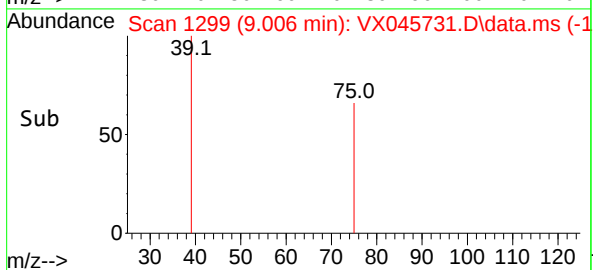
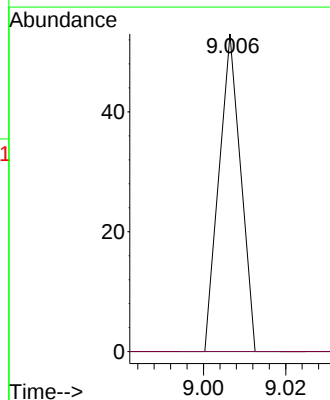
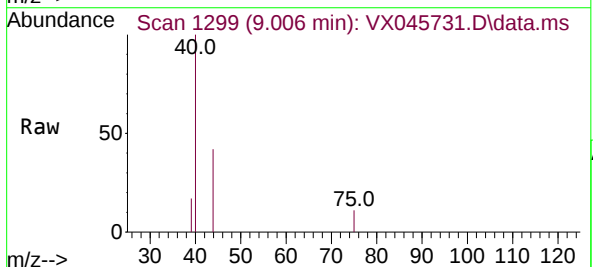
Instrument :
MSVOA_X
ClientSampleId :
VX0411MBL01

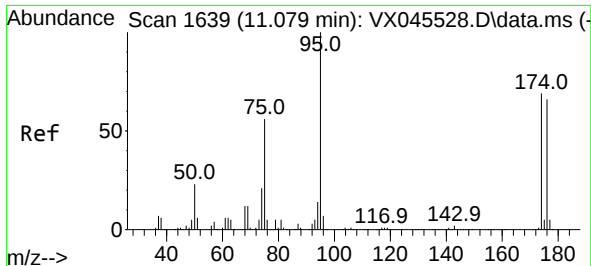
Tgt Ion: 98 Resp: 156210
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#53
t-1,3-Dichloropropene
Concen: 2.303 ug/l
RT: 9.006 min Scan# 1299
Delta R.T. 0.030 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

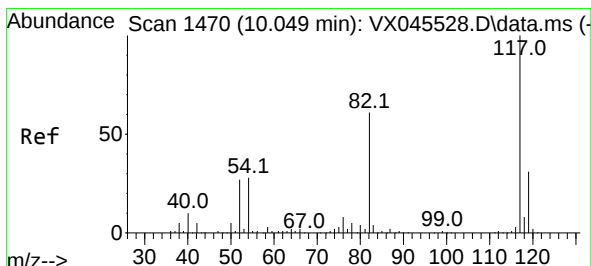
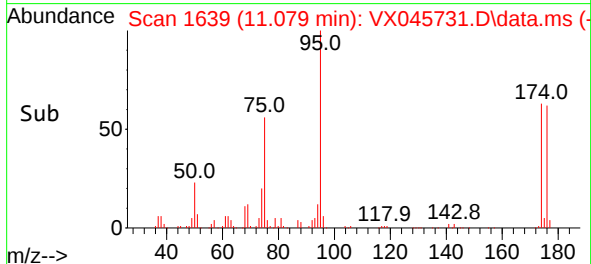
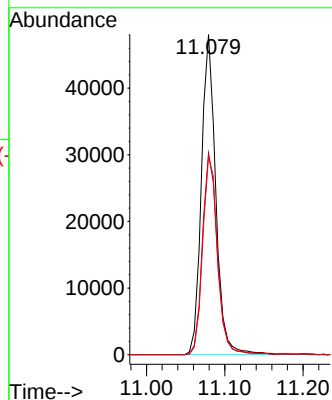
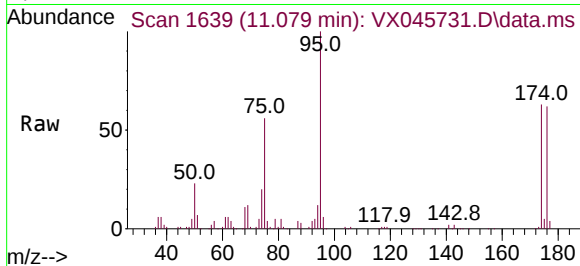




#62
4-Bromofluorobenzene
Concen: 55.071 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

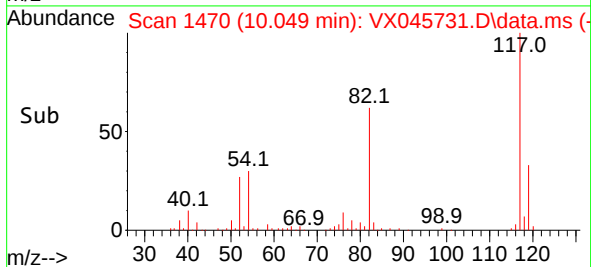
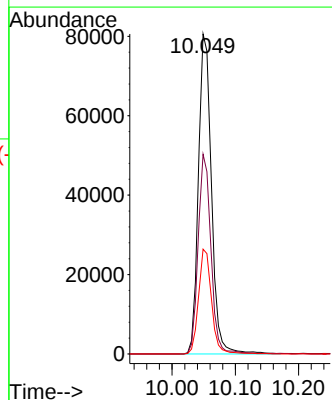
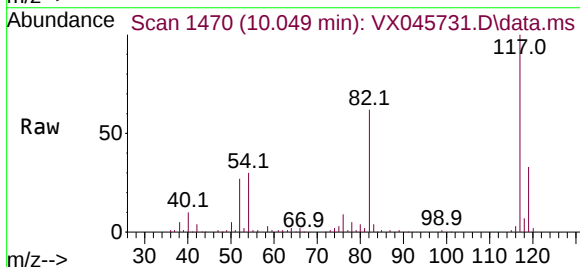
Instrument :
MSVOA_X
ClientSampleId :
VX0411MBL01

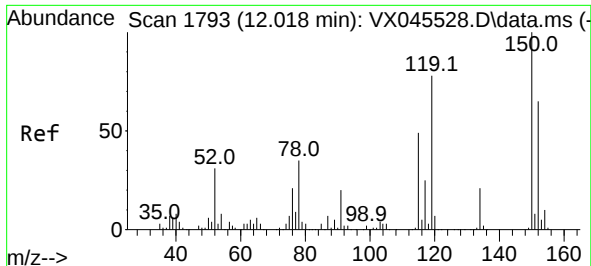
Tgt Ion: 95 Resp: 61301
Ion Ratio Lower Upper
95 100
174 65.8 0.0 135.8
176 63.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion: 117 Resp: 116081
Ion Ratio Lower Upper
117 100
82 62.4 49.2 73.8
119 32.7 25.1 37.7

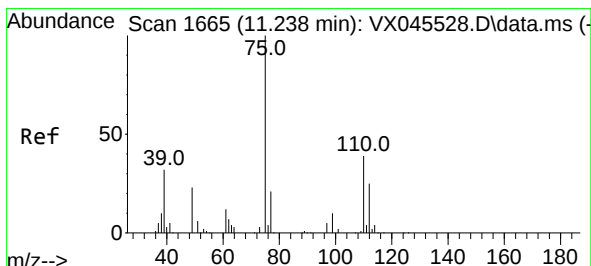
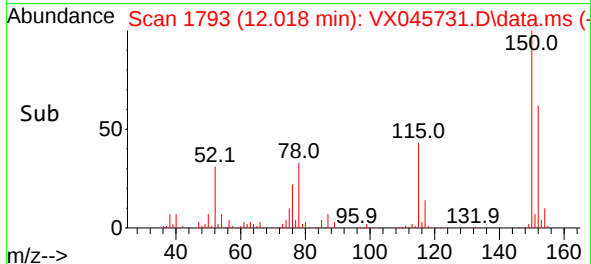
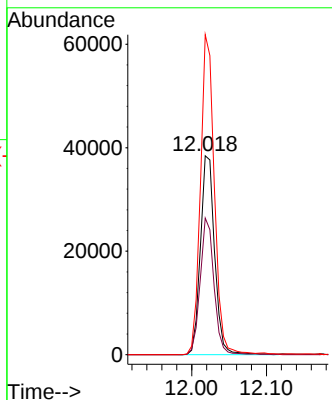
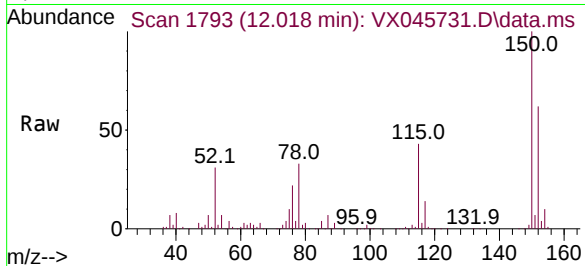




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045731.D
 Acq: 11 Apr 2025 11:09

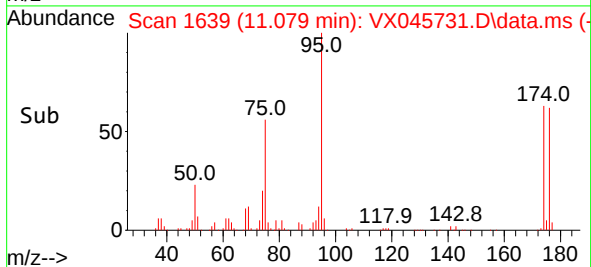
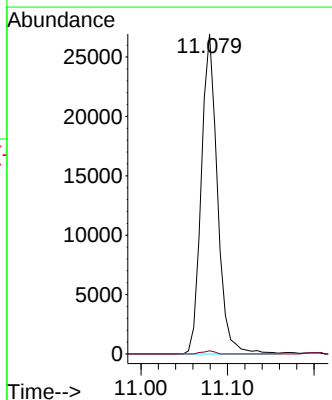
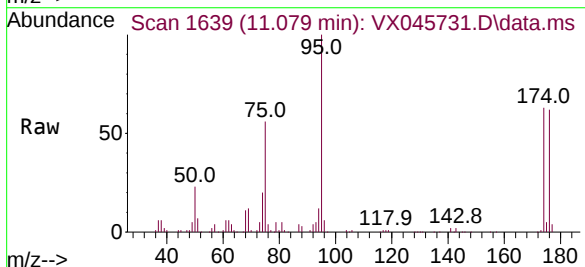
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411MBL01

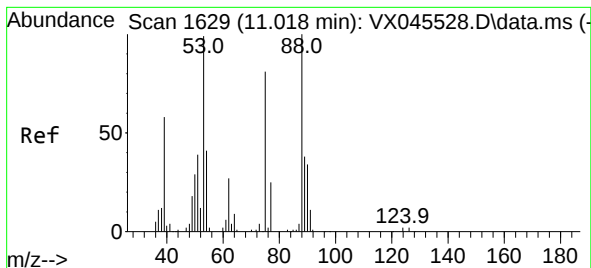
Tgt Ion:152 Resp: 50980
 Ion Ratio Lower Upper
 152 100
 115 66.6 46.9 140.7
 150 157.5 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.075 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045731.D
 Acq: 11 Apr 2025 11:09

Tgt Ion: 75 Resp: 34912
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.0 59.9#

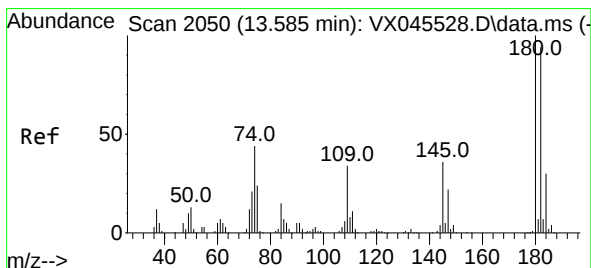
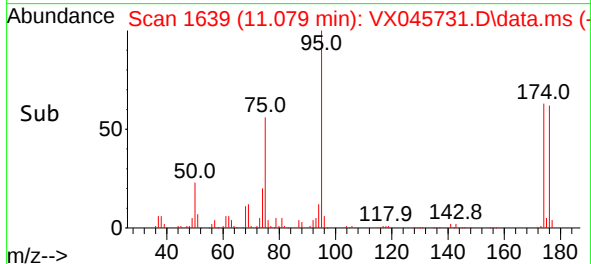
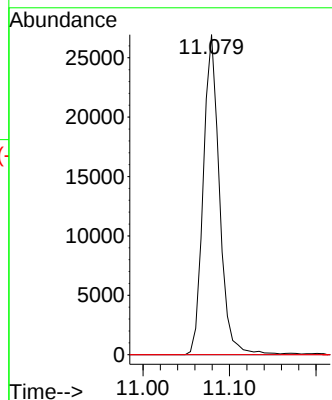
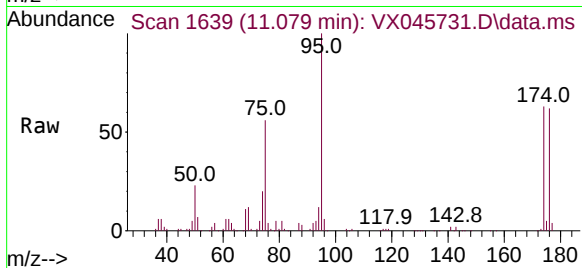




#81
trans-1,4-Dichloro-2-butene
Concen: 95.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

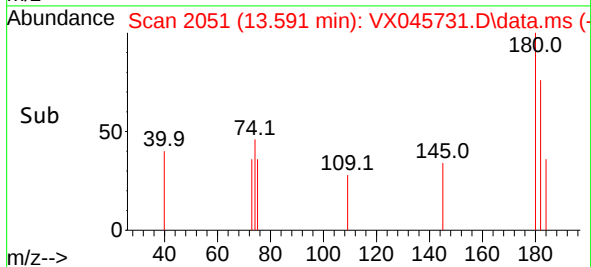
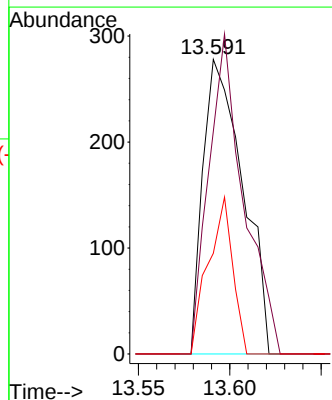
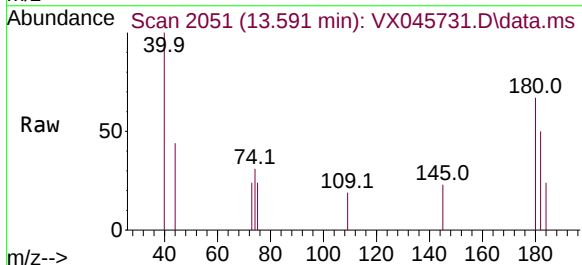
Instrument :
MSVOA_X
ClientSampleId :
VX0411MBL01

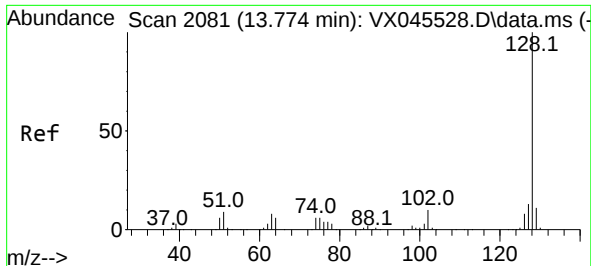
Tgt Ion: 75 Resp: 34912
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.444 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion:180 Resp: 422
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.6
145 32.7 17.9 53.8

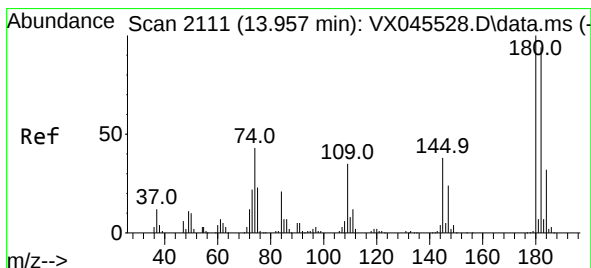
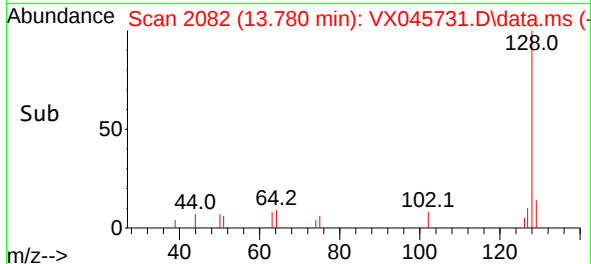
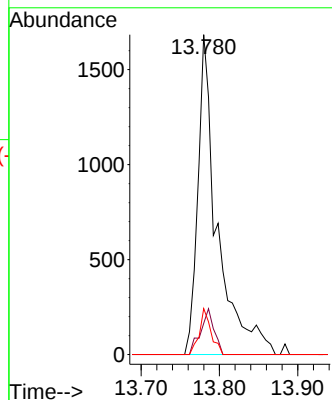
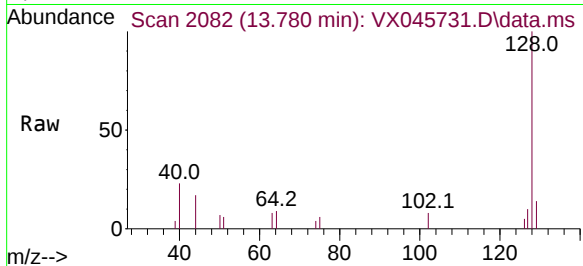




#95
Naphthalene
Concen: 0.822 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0411MBL01

Tgt Ion:128 Resp: 2906
Ion Ratio Lower Upper
128 100
127 10.0 10.3 15.5#
129 8.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.427 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX045731.D
Acq: 11 Apr 2025 11:09

Tgt Ion:180 Resp: 425
Ion Ratio Lower Upper
180 100
182 125.9 47.3 141.8
145 30.1 18.2 54.6

