

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045725.D
 Acq On : 11 Apr 2025 08:37
 Operator : JC/MD
 Sample : Q1756-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-9

Quant Time: Apr 11 09:13:27 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

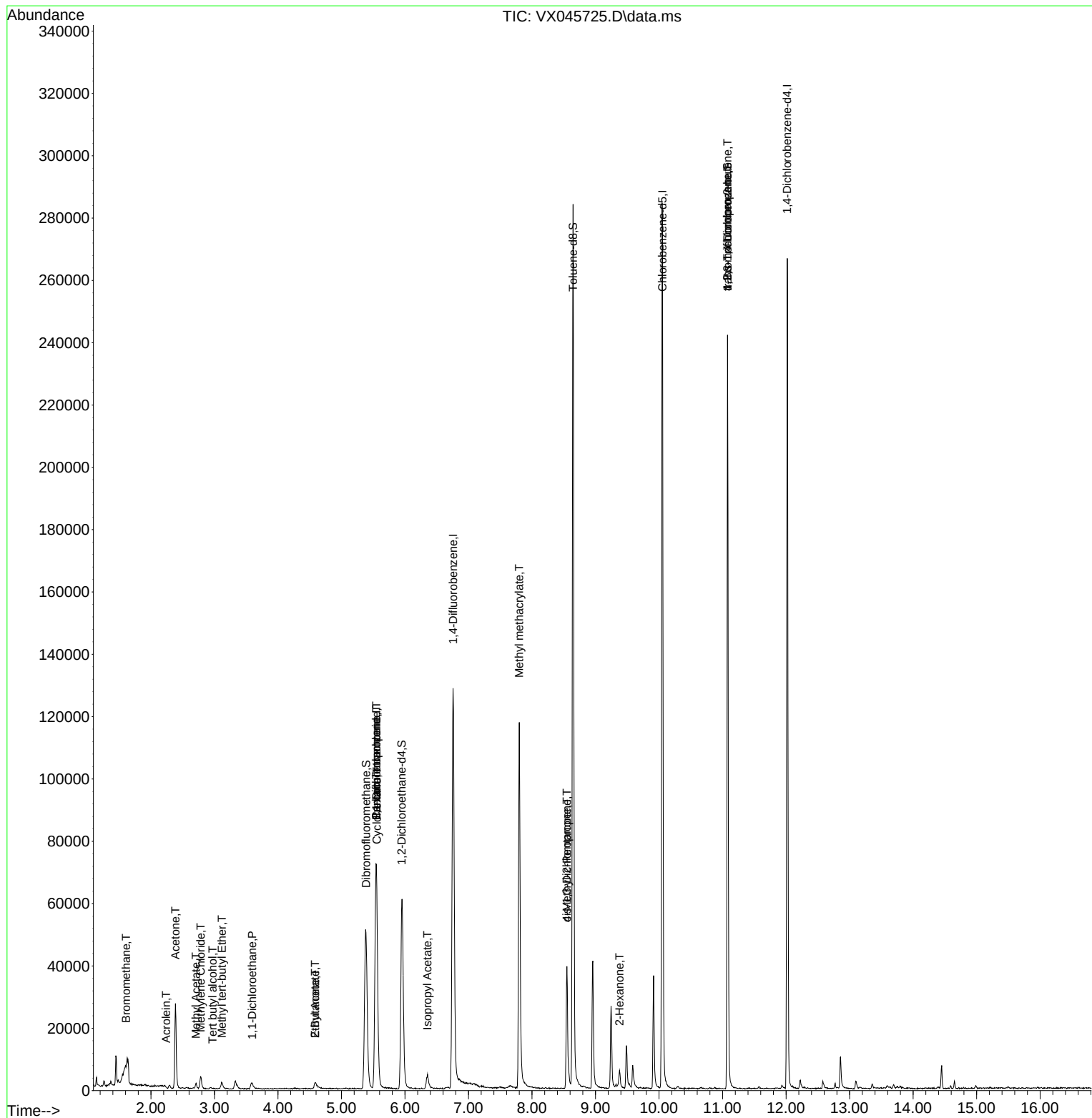
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	63005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122458	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63442	55.062	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.120%
35) Dibromofluoromethane	5.385	113	45057	51.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.720%
50) Toluene-d8	8.647	98	158975	52.422	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.840%
62) 4-Bromofluorobenzene	11.079	95	60636	54.893	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.780%
Target Compounds						Qvalue
5) Bromomethane	1.605	94	115	0.274	ug/l #	3
11) Tert butyl alcohol	2.971	59	124	0.801	ug/l #	72
13) Acrolein	2.239	56	128	0.600	ug/l #	79
16) Acetone	2.386	43	29540	62.436	ug/l	96
18) Methyl Acetate	2.709	43	2255	2.070	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	1966	0.743	ug/l #	90
20) Methylene Chloride	2.782	84	1900	2.145	ug/l #	84
24) 1,1-Dichloroethane	3.593	63	457	0.286	ug/l #	83
25) 2-Butanone	4.587	43	4650	6.714	ug/l	92
31) Cyclohexane	5.556	56	1794	1.269	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6419	5.472	ug/l #	51
37) Ethyl Acetate	4.587	43	4650	3.145	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7459	5.883	ug/l #	14
43) Isopropyl Acetate	6.355	43	6189	2.762	ug/l #	91
48) Methyl methacrylate	7.799	41	12073	10.436	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	16676	11.227	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	5844	4.538	ug/l #	73
59) 2-Hexanone	9.378	43	4474	4.067	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35116	29.306	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35116	99.461	ug/l #	1

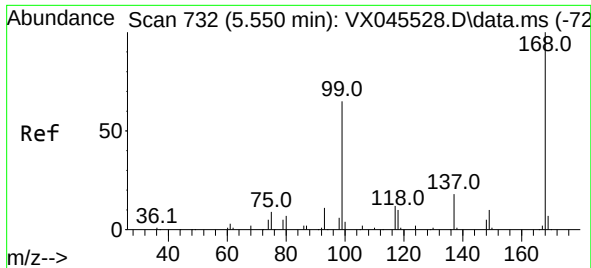
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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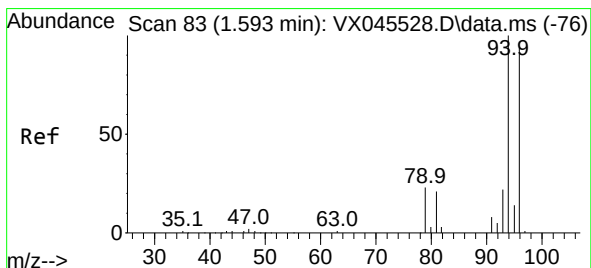
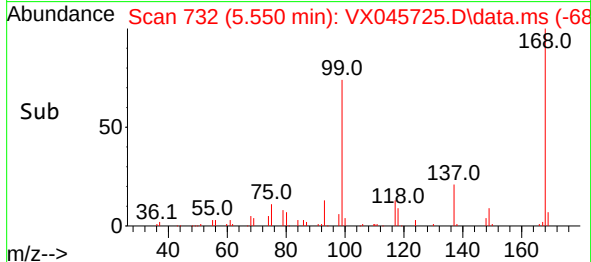
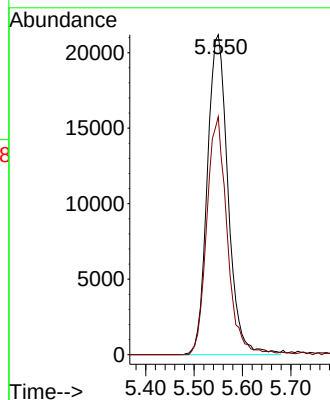
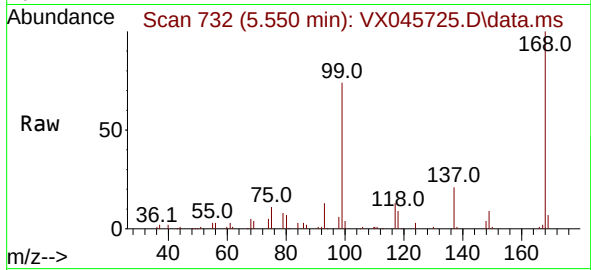




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

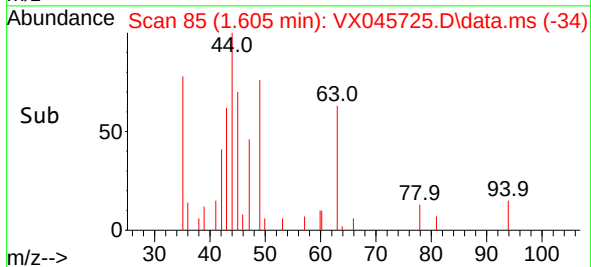
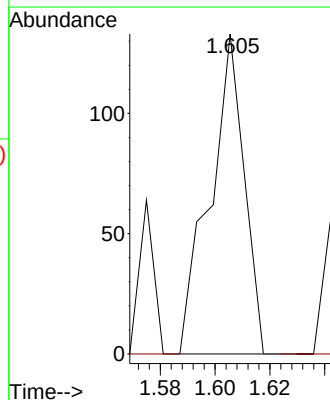
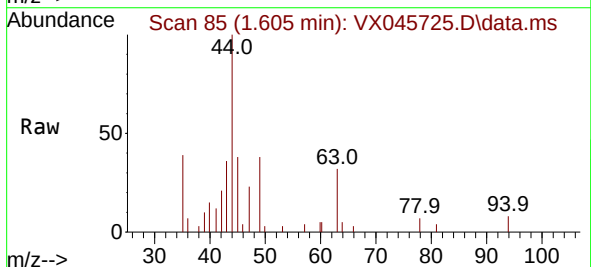
Instrument :
MSVOA_X
ClientSampleId :
TP-9

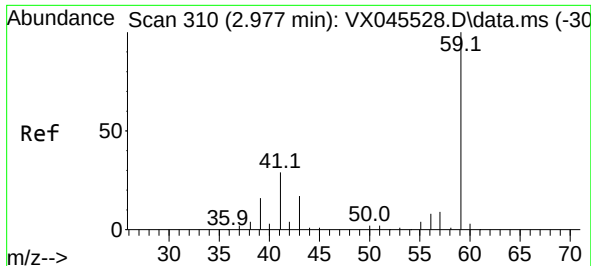
Tgt Ion:168 Resp: 63005
Ion Ratio Lower Upper
168 100
99 74.4 52.3 78.5



#5
Bromomethane
Concen: 0.274 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

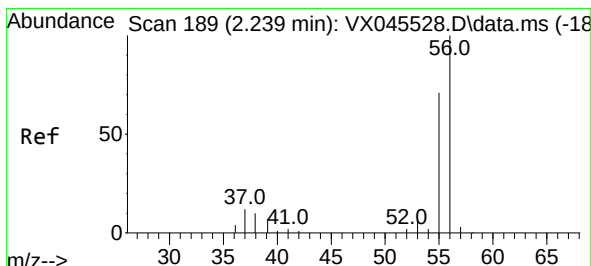
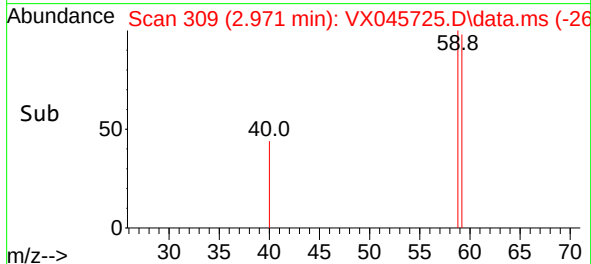
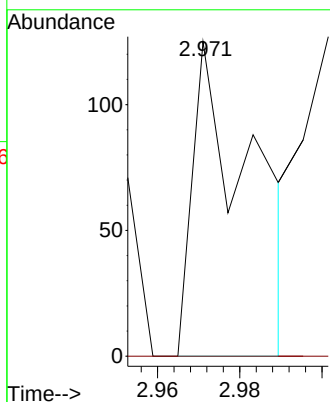
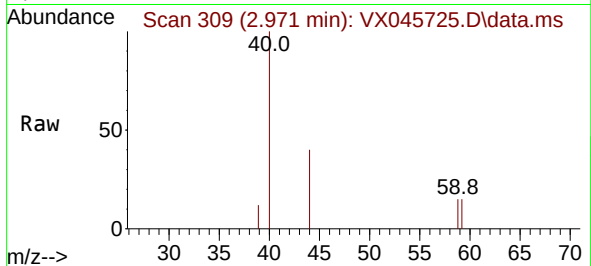




#11
Tert butyl alcohol
Concen: 0.801 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

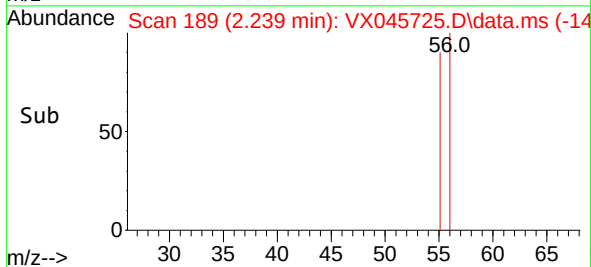
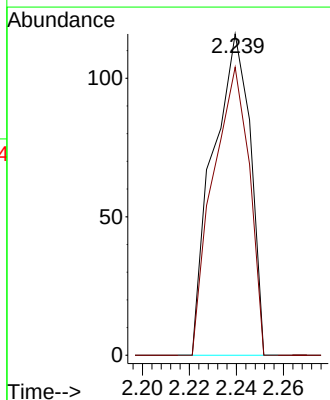
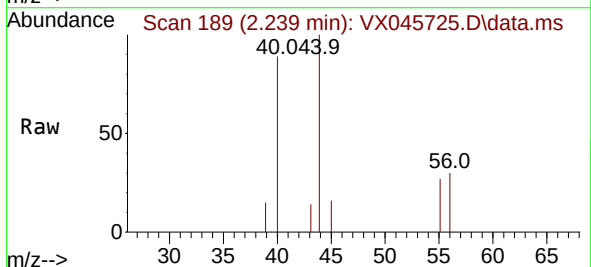
Instrument :
MSVOA_X
ClientSampleId :
TP-9

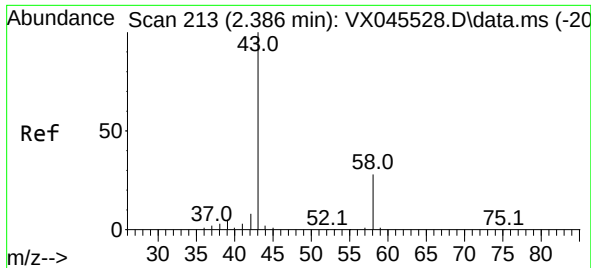
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.600 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 87.5 56.2 84.2#

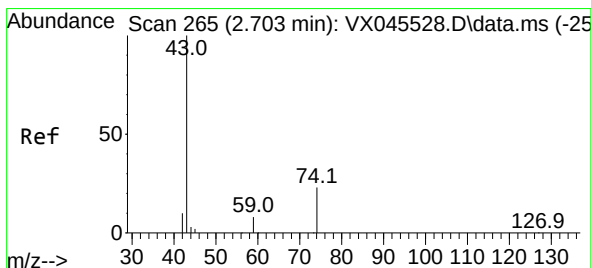
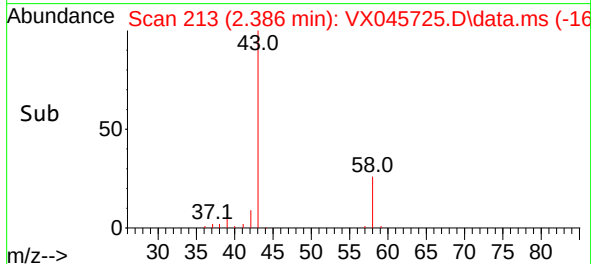
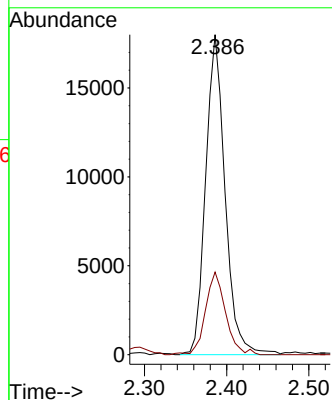
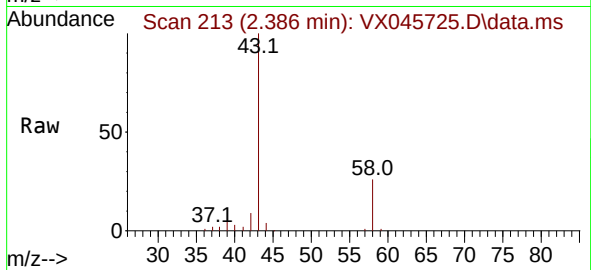




#16
Acetone
Concen: 62.436 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

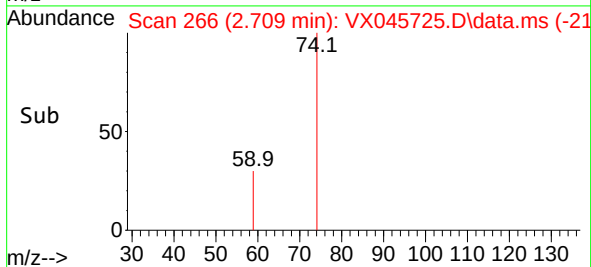
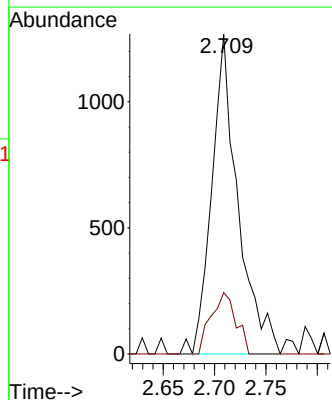
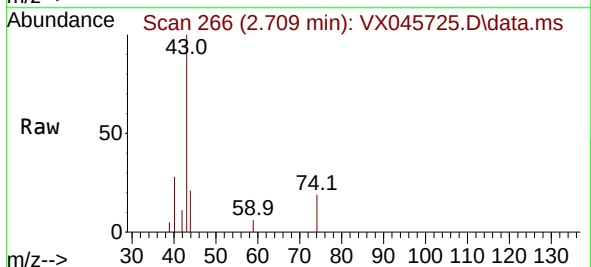
Instrument :
MSVOA_X
ClientSampleId :
TP-9

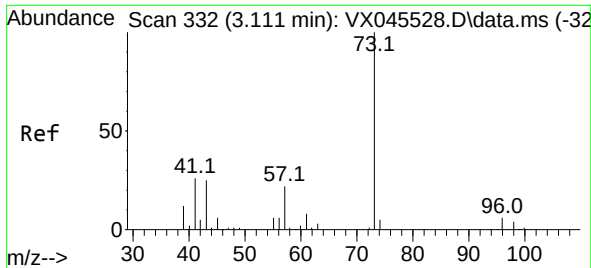
Tgt Ion: 43 Resp: 29540
Ion Ratio Lower Upper
43 100
58 25.8 22.3 33.5



#18
Methyl Acetate
Concen: 2.070 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 43 Resp: 2255
Ion Ratio Lower Upper
43 100
74 18.2 17.5 26.3

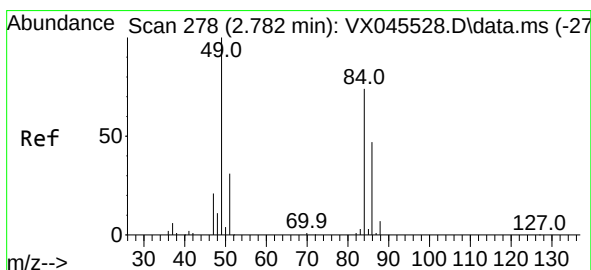
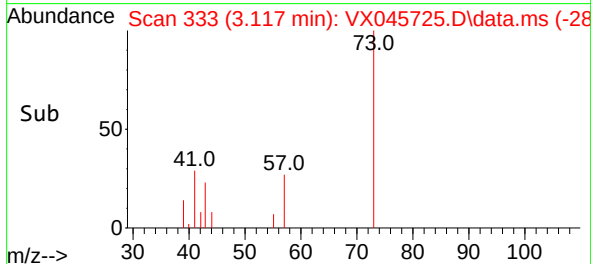
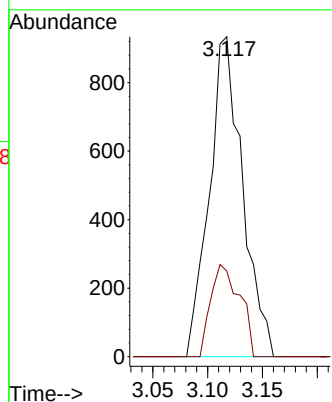
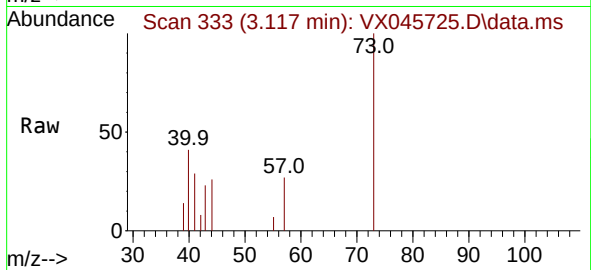




#19
Methyl tert-butyl Ether
Concen: 0.743 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

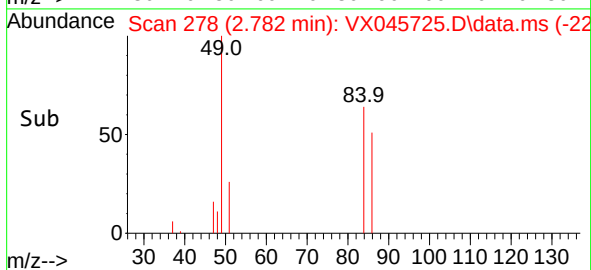
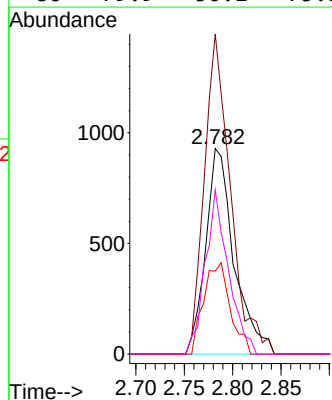
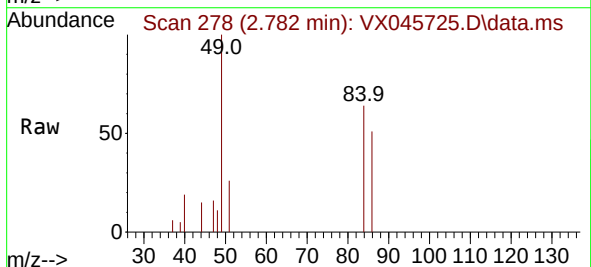
Instrument :
MSVOA_X
ClientSampleId :
TP-9

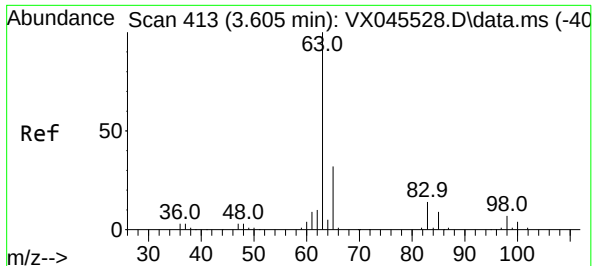
Tgt Ion: 73 Resp: 1966
Ion Ratio Lower Upper
73 100
57 26.8 17.6 26.4#



#20
Methylene Chloride
Concen: 2.145 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 84 Resp: 1900
Ion Ratio Lower Upper
84 100
49 155.8 107.5 161.3
51 40.4 33.0 49.6
86 79.9 50.1 75.1#

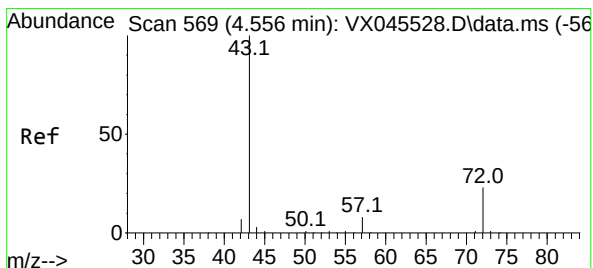
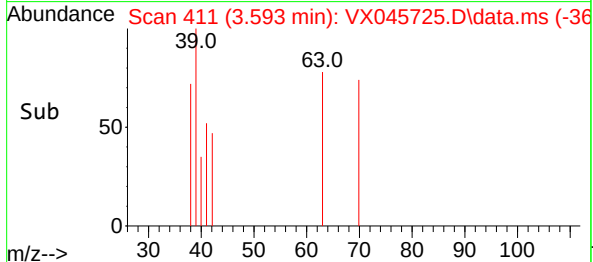
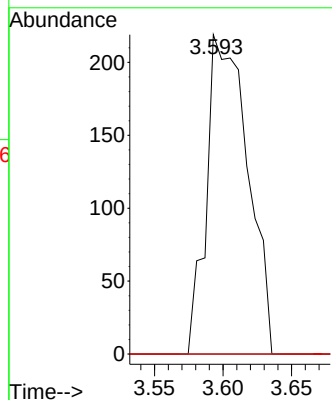
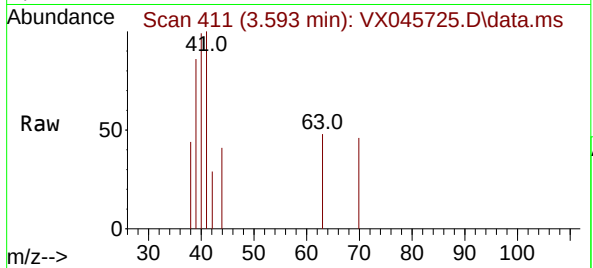




#24
1,1-Dichloroethane
Concen: 0.286 ug/l
RT: 3.593 min Scan# 41
Delta R.T. -0.012 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

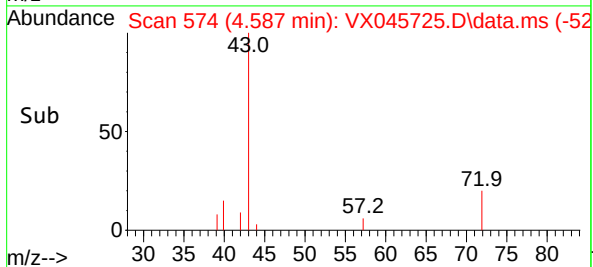
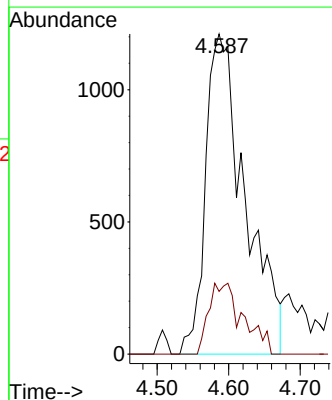
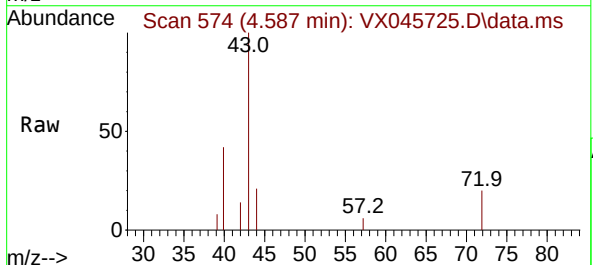
Instrument :
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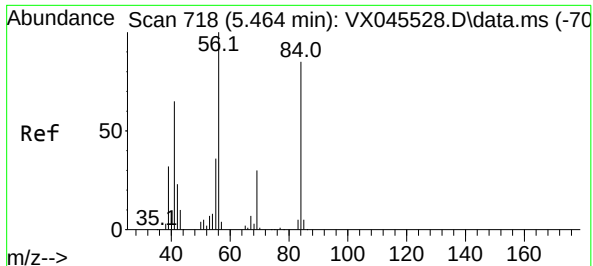
Tgt Ion: 63 Resp: 457
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.1#
100 0.0 2.2 6.6#



#25
2-Butanone
Concen: 6.714 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 43 Resp: 4650
Ion Ratio Lower Upper
43 100
72 19.6 18.6 28.0

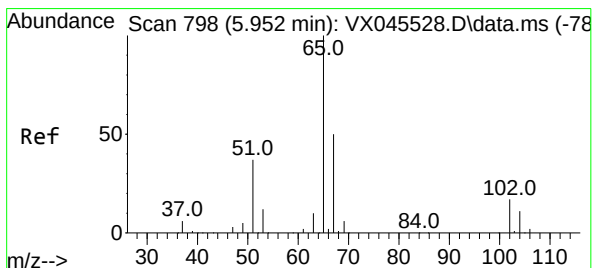
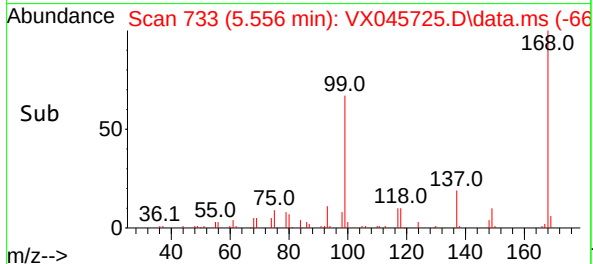
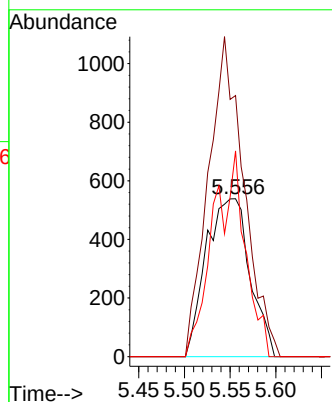
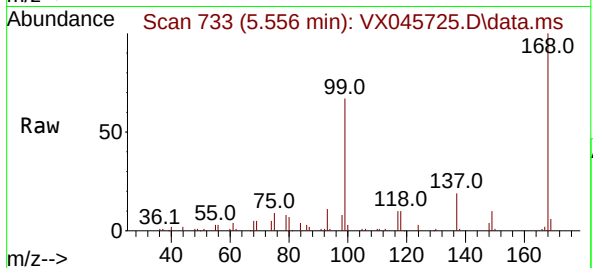




#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

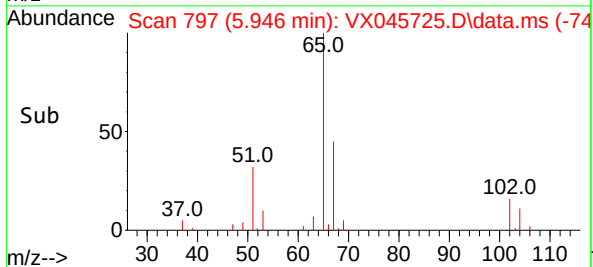
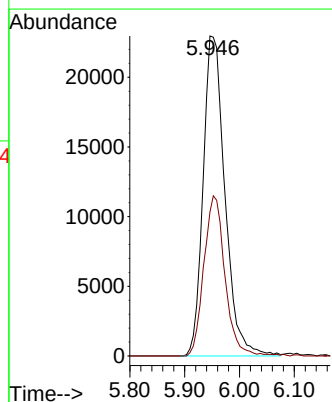
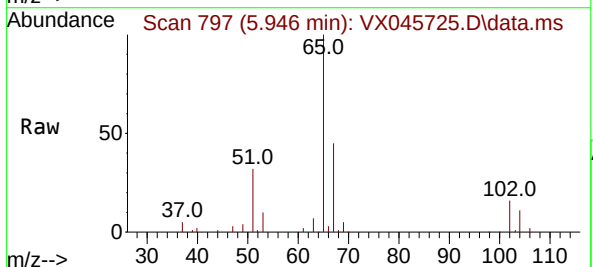
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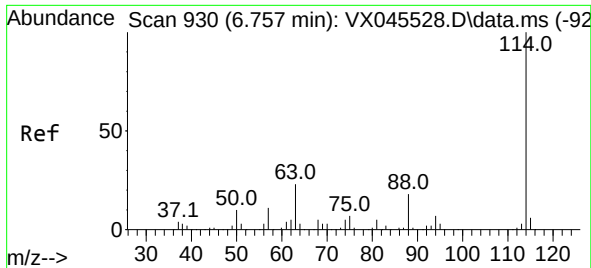
Tgt Ion: 56 Resp: 1794
Ion Ratio Lower Upper
56 100
69 165.3 23.6 35.4#
84 130.2 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.062 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 65 Resp: 63442
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.0

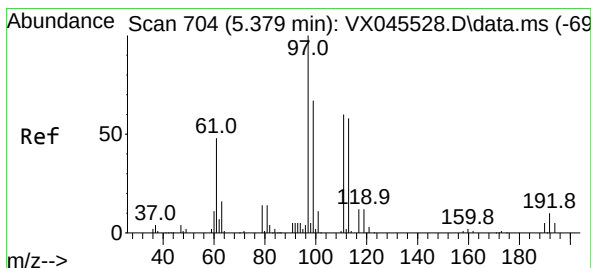
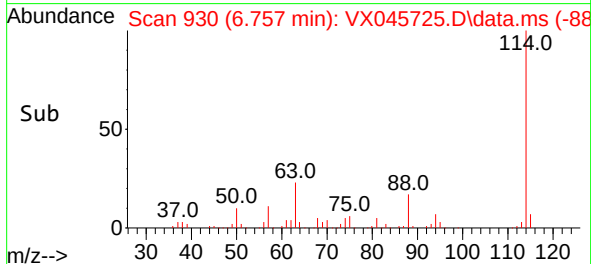
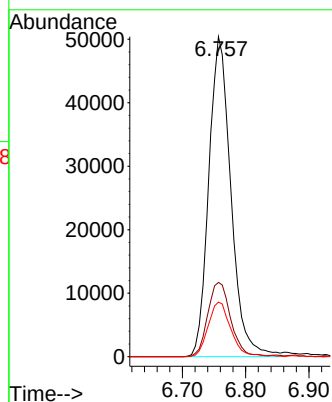
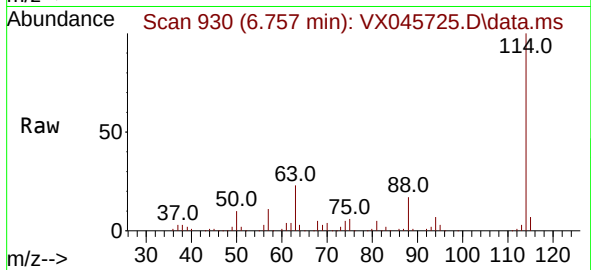




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

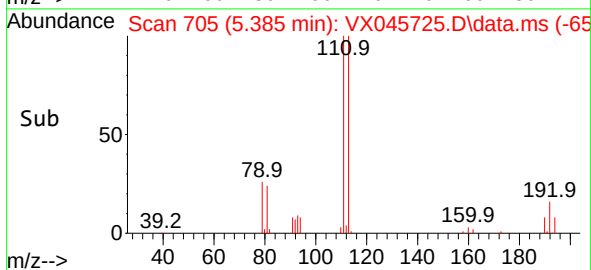
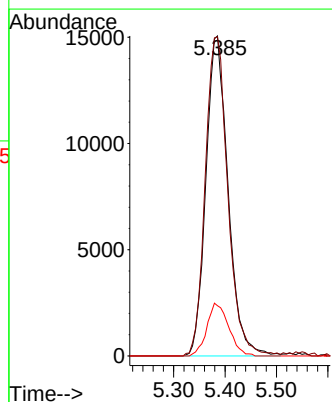
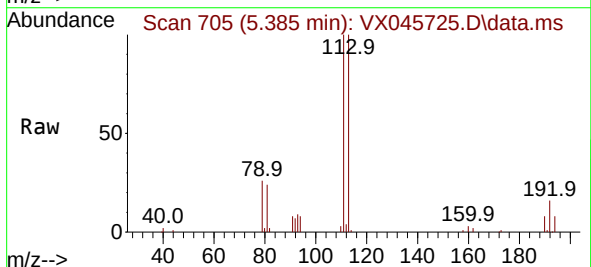
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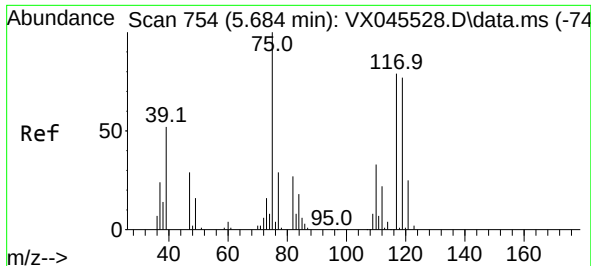
Tgt Ion:114 Resp: 122458
Ion Ratio Lower Upper
114 100
63 23.2 0.0 46.8
88 17.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.859 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion:113 Resp: 45057
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 16.2 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.472 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045725.D

Acq: 11 Apr 2025 08:37

Instrument :

MSVOA_X

ClientSampleId :

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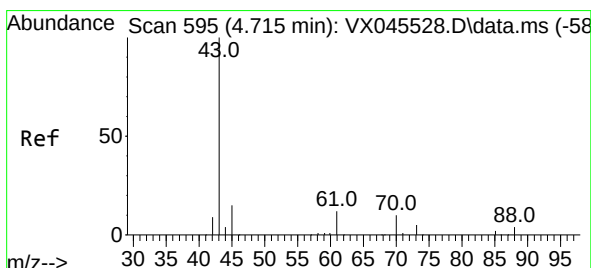
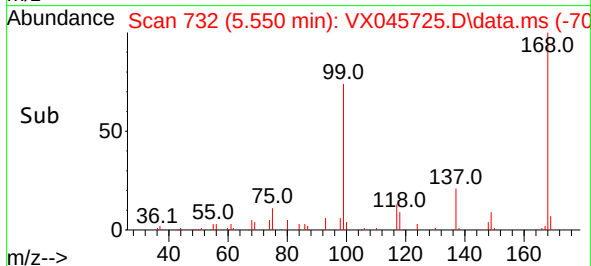
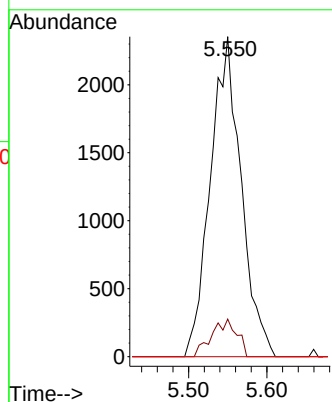
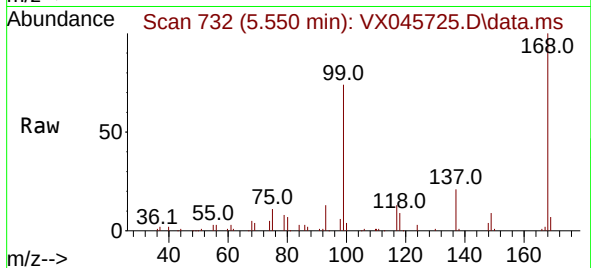
Tgt Ion: 75 Resp: 6419

Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 3.145 ug/l

RT: 4.587 min Scan# 574

Delta R.T. -0.128 min

Lab File: VX045725.D

Acq: 11 Apr 2025 08:37

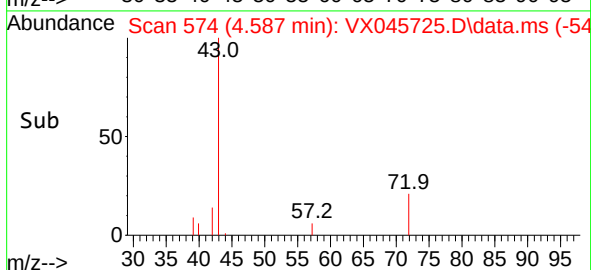
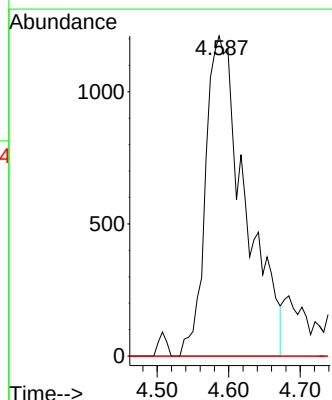
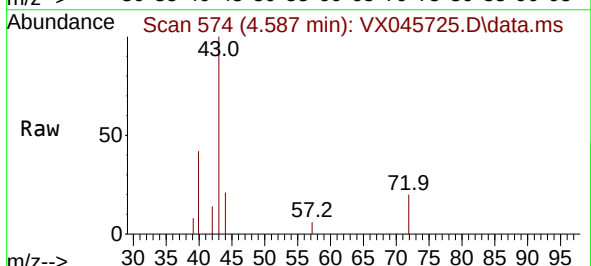
Tgt Ion: 43 Resp: 4650

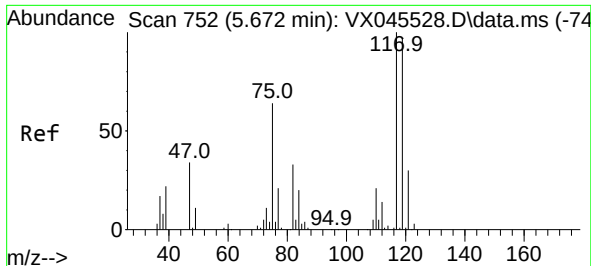
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

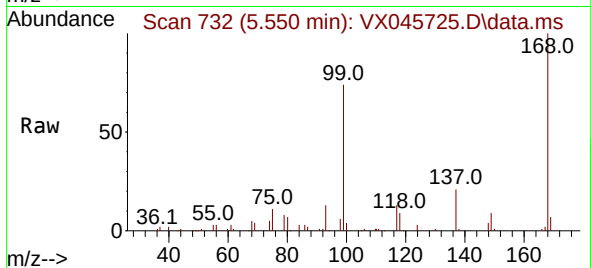
70 0.0 7.5 11.3#



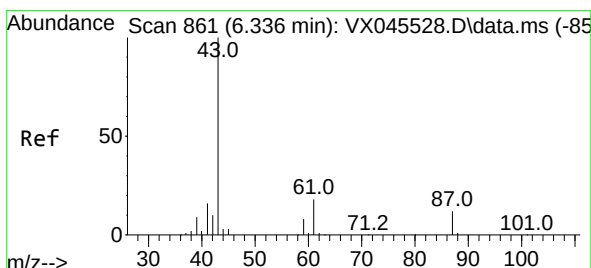
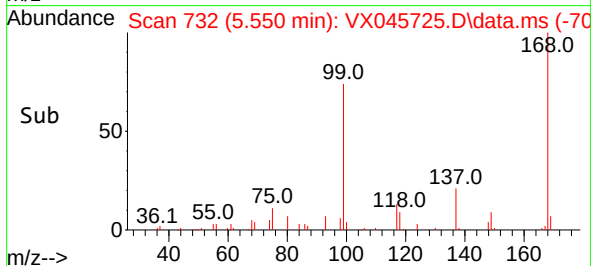
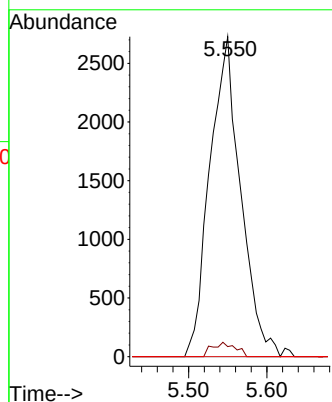


#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Instrument :
MSVOA_X
ClientSampleId :
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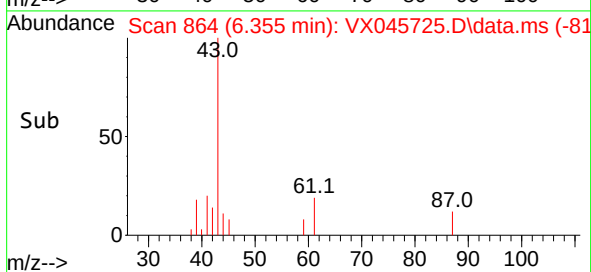
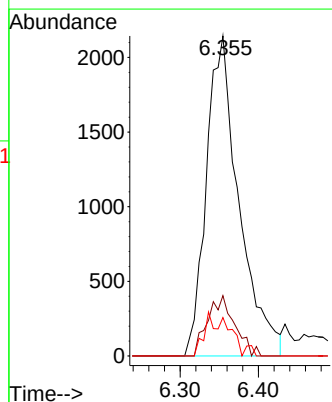
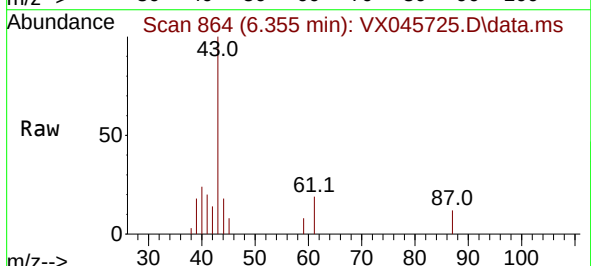


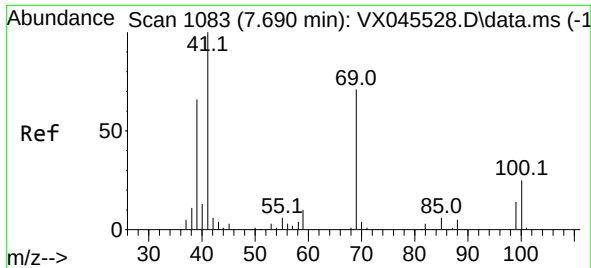
Tgt Ion:117 Resp: 7459
Ion Ratio Lower Upper
117 100
119 3.2 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.762 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 43 Resp: 6189
Ion Ratio Lower Upper
43 100
61 15.7 14.1 21.1
87 5.2 9.2 13.8#

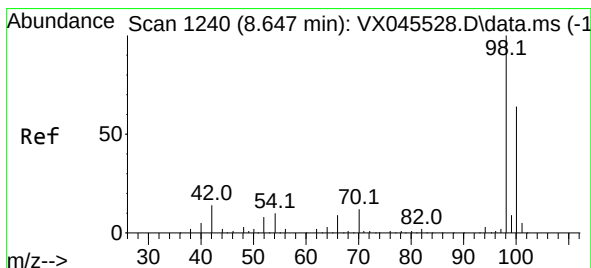
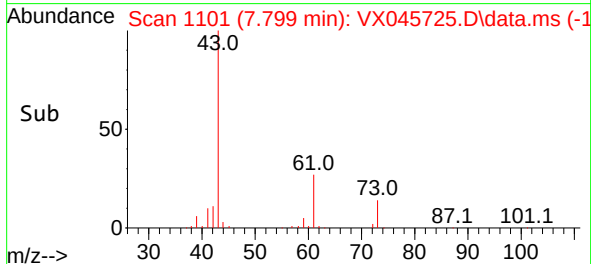
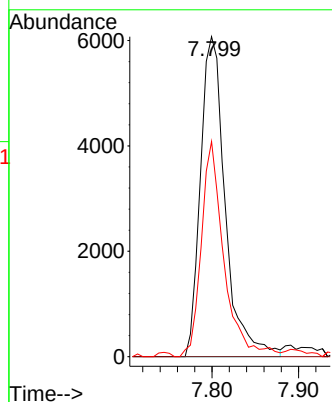
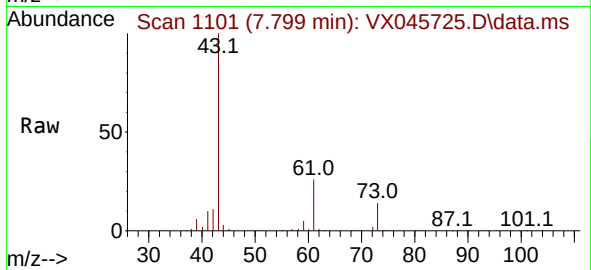




#48
Methyl methacrylate
Concen: 10.436 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

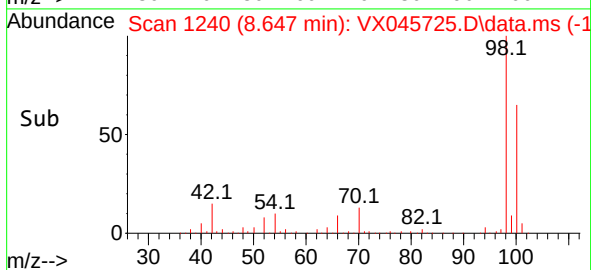
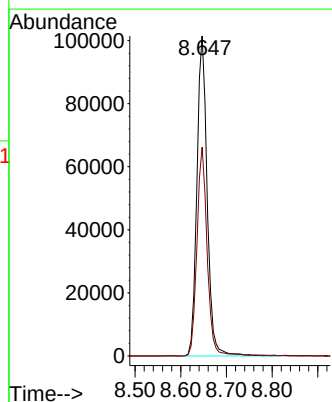
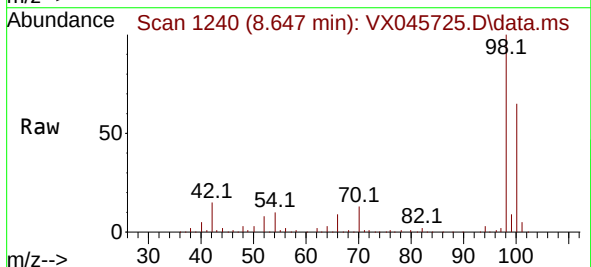
Instrument :
MSVOA_X
ClientSampleId :
TP-9

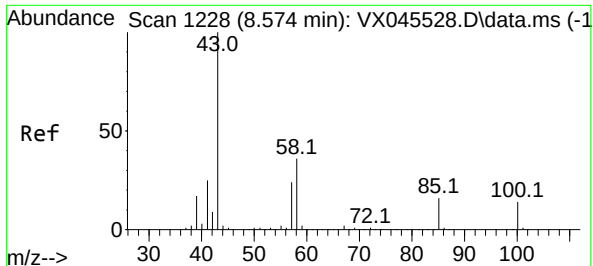
Tgt Ion: 41 Resp: 12073
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 61.3 53.6 80.4



#50
Toluene-d8
Concen: 52.422 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 98 Resp: 158975
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

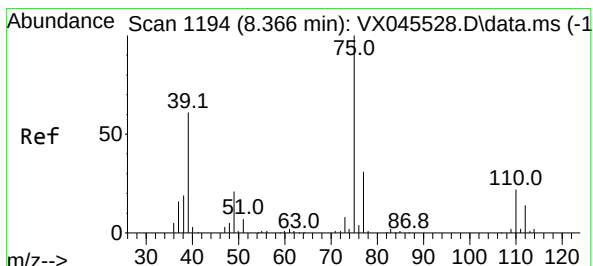
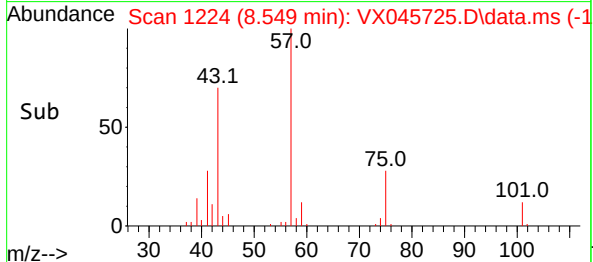
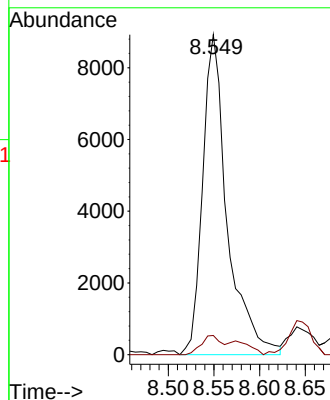
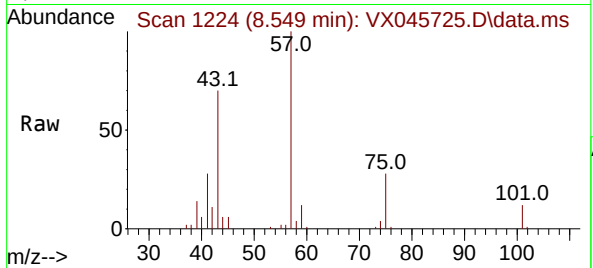




#51
4-Methyl-2-Pentanone
Concen: 11.227 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

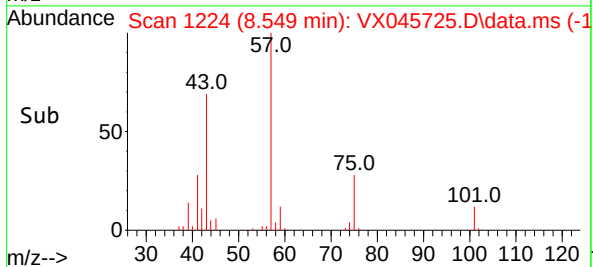
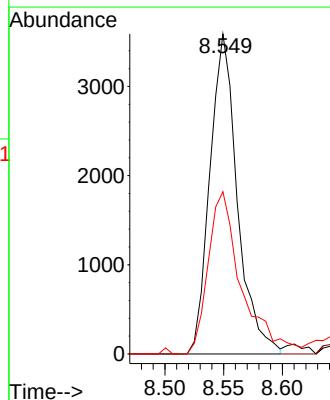
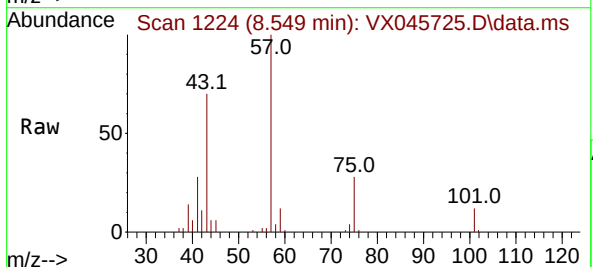
Instrument :
MSVOA_X
ClientSampleId :
TP-9

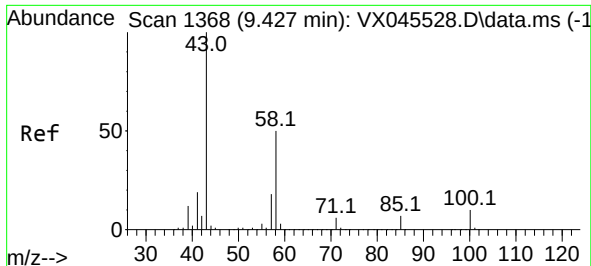
Tgt Ion: 43 Resp: 16676
Ion Ratio Lower Upper
43 100
58 4.9 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 4.538 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 75 Resp: 5844
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 50.7 48.4 72.6





#59

2-Hexanone

Concen: 4.067 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045725.D

Acq: 11 Apr 2025 08:37

Instrument :

MSVOA_X

ClientSampleId :

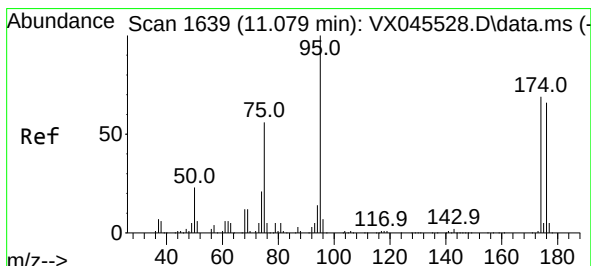
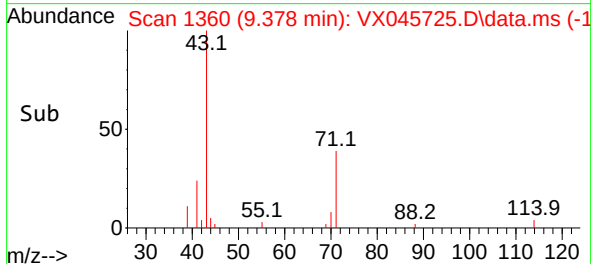
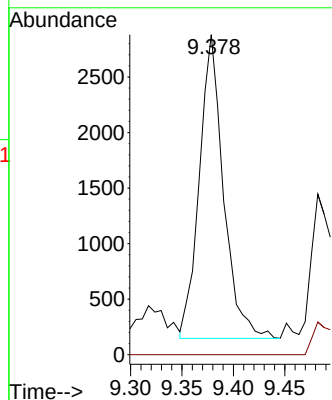
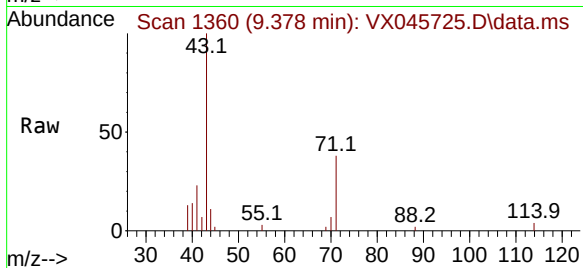
TP-9

Tgt Ion: 43 Resp: 4474

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 54.893 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045725.D

Acq: 11 Apr 2025 08:37

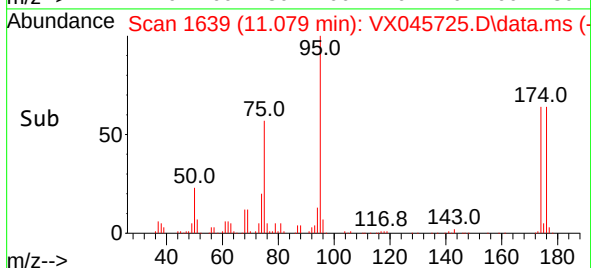
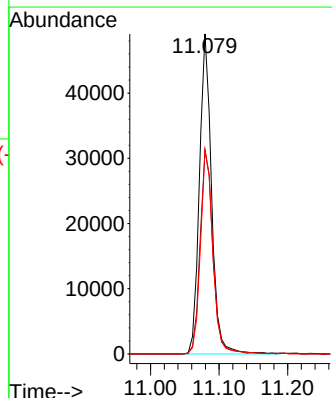
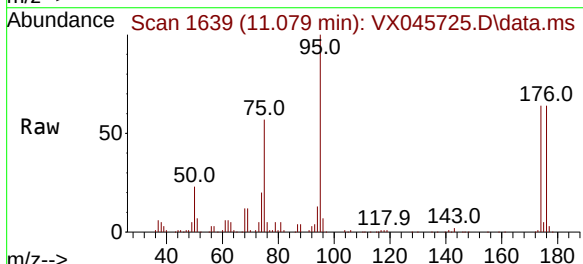
Tgt Ion: 95 Resp: 60636

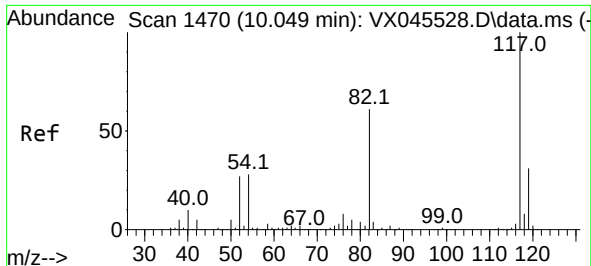
Ion Ratio Lower Upper

95 100

174 67.1 0.0 135.8

176 65.2 0.0 131.4

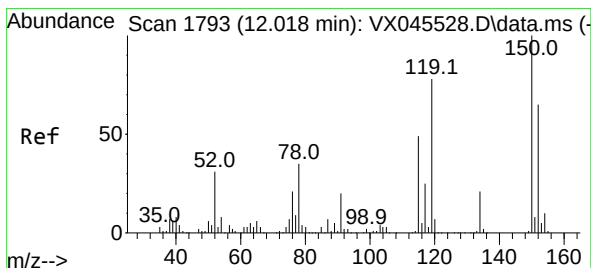
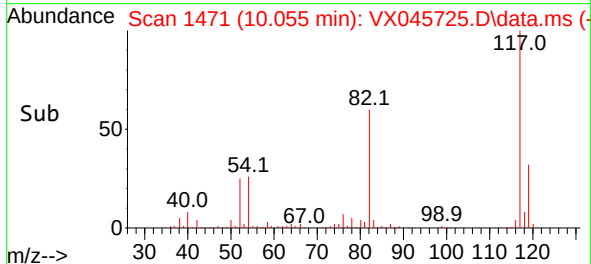
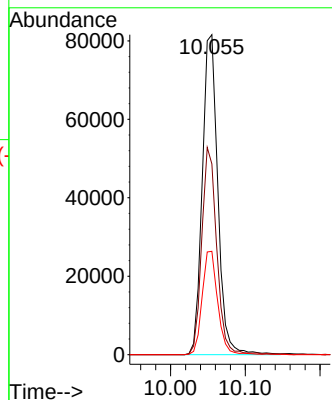
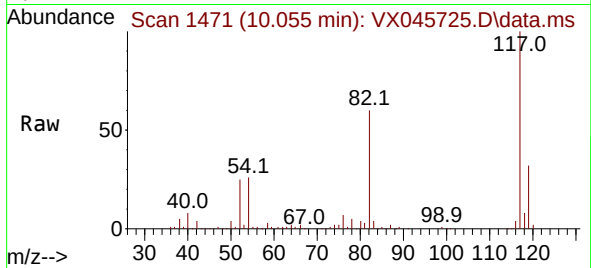




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

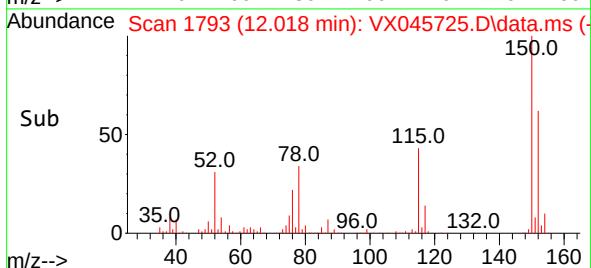
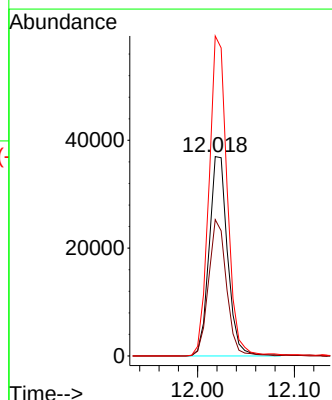
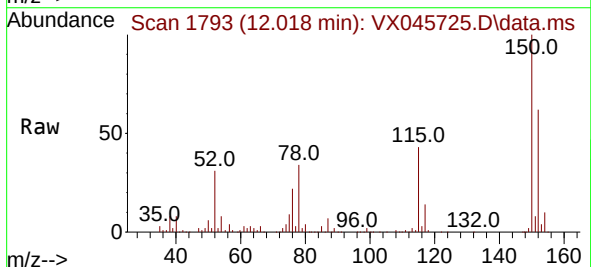
Instrument :
MSVOA_X
ClientSampleId :
TP-9

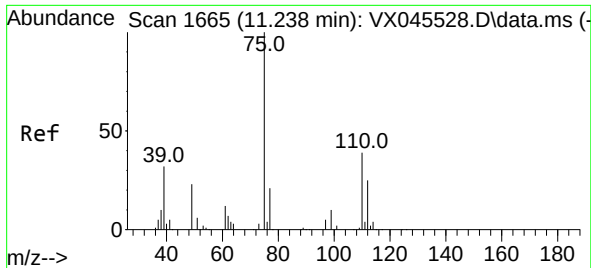
Tgt Ion:117 Resp: 117911
Ion Ratio Lower Upper
117 100
82 59.6 49.2 73.8
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion:152 Resp: 49124
Ion Ratio Lower Upper
152 100
115 66.5 46.9 140.7
150 159.4 0.0 349.4

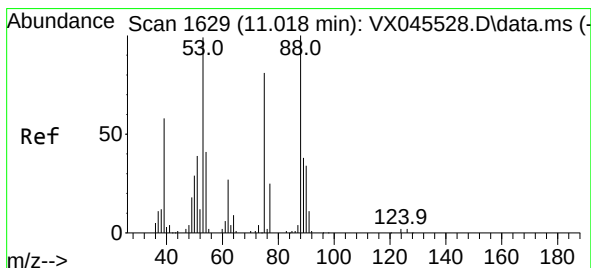
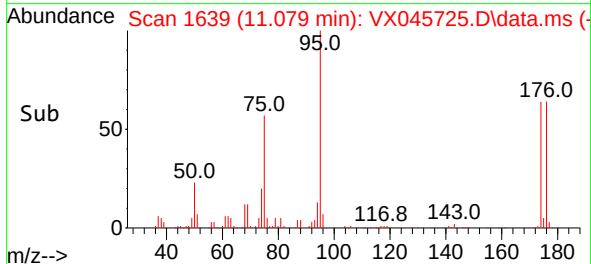
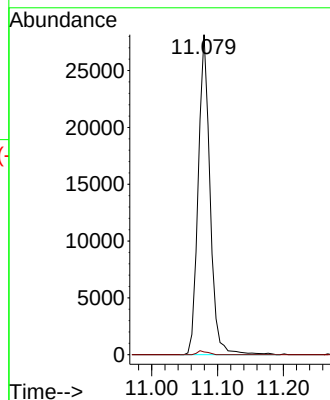
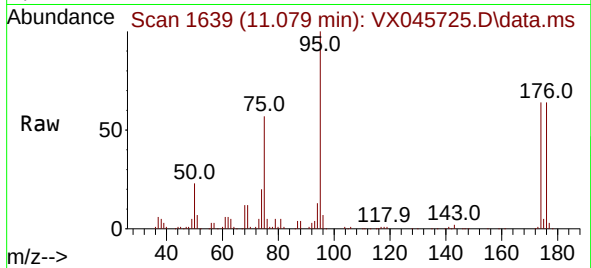




#76
1,2,3-Trichloropropane
Concen: 29.306 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Instrument :
MSVOA_X
ClientSampleId :
TP-9

Tgt Ion: 75 Resp: 35116
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.461 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045725.D
Acq: 11 Apr 2025 08:37

Tgt Ion: 75 Resp: 35116
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

