

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045490.D
 Acq On : 27 Mar 2025 20:13
 Operator : JC/MD
 Sample : Q1642-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAT-1-032525

Quant Time: Mar 28 01:38:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

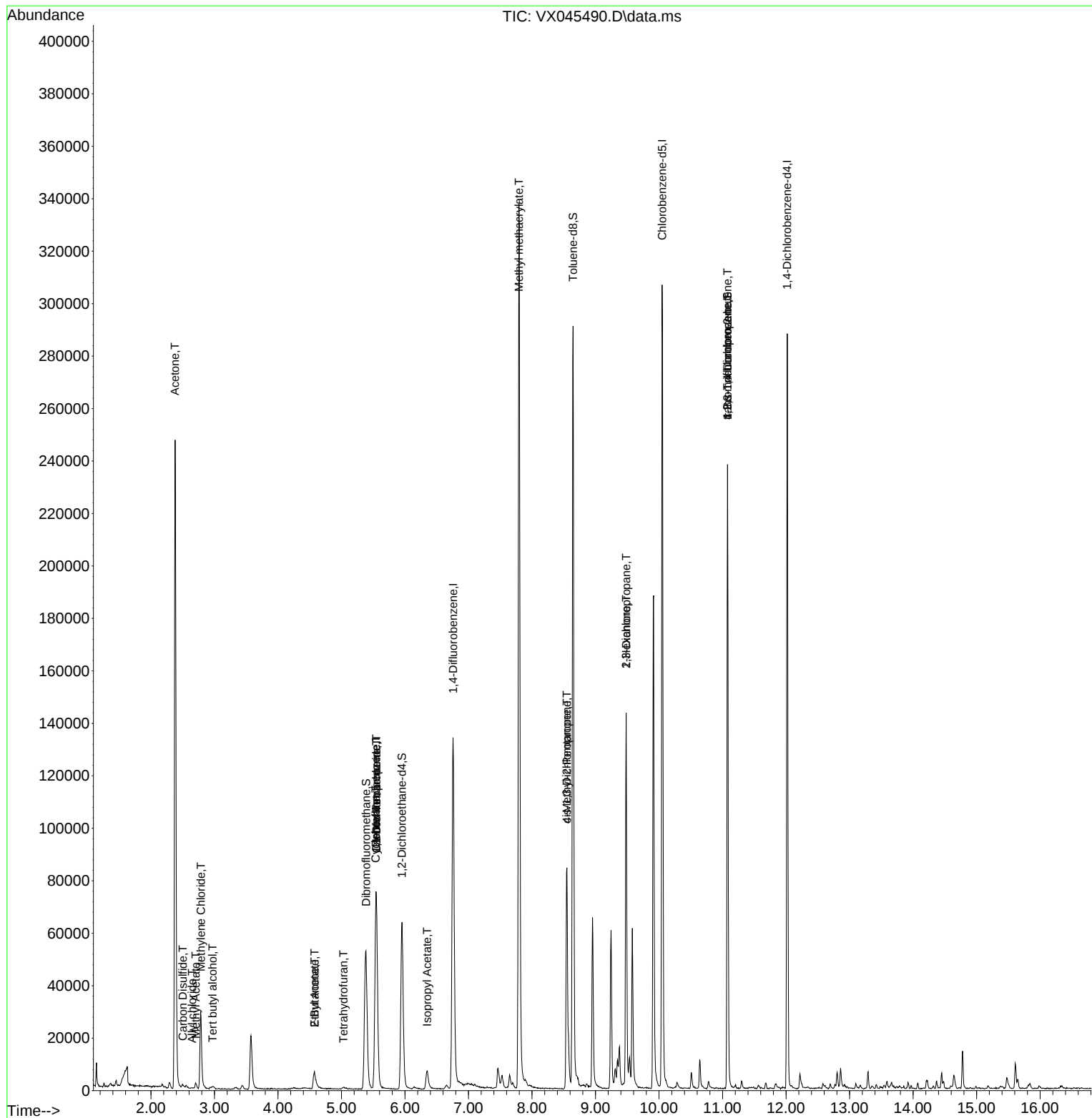
Internal Standards						
1) Pentafluorobenzene	5.544	168	65936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129647	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62947	60.018	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.040%			
35) Dibromofluoromethane	5.385	113	47087	54.316	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.640%			
50) Toluene-d8	8.647	98	167628	53.336	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.680%			
62) 4-Bromofluorobenzene	11.079	95	60443	58.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 116.080%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	1345	6.770	ug/l #	73
14) Allyl chloride	2.648	41	509	0.353	ug/l #	25
16) Acetone	2.380	43	263794	542.100	ug/l	95
17) Carbon Disulfide	2.502	76	1268	0.588	ug/l #	93
18) Methyl Acetate	2.703	43	2538	2.168	ug/l	96
20) Methylene Chloride	2.788	84	13272	13.769	ug/l	94
25) 2-Butanone	4.574	43	12768	17.431	ug/l	98
29) Tetrahydrofuran	5.032	42	451	0.917	ug/l #	56
31) Cyclohexane	5.538	56	1992	1.396	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	6353	5.344	ug/l #	50
37) Ethyl Acetate	4.574	43	12768	8.334	ug/l #	70
38) Carbon Tetrachloride	5.550	117	7723	6.398	ug/l #	15
43) Isopropyl Acetate	6.348	43	10509	4.639	ug/l	97
48) Methyl methacrylate	7.793	41	33112	29.135	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	39487	25.960	ug/l #	47
54) cis-1,3-Dichloropropene	8.549	75	13644	10.459	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1147	0.731	ug/l #	43
59) 2-Hexanone	9.482	43	18991	17.232	ug/l #	57
76) 1,2,3-Trichloropropane	11.079	75	34142	28.871	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34142	98.801	ug/l #	6

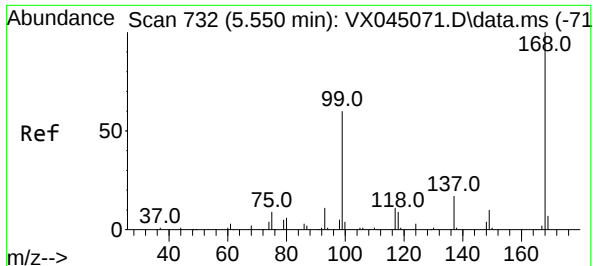
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

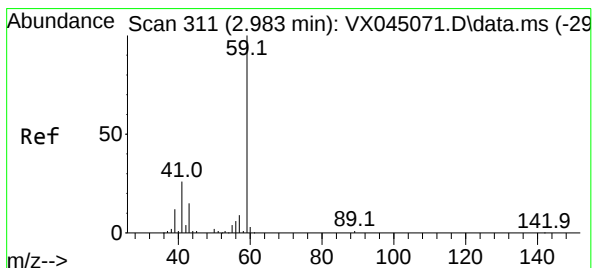
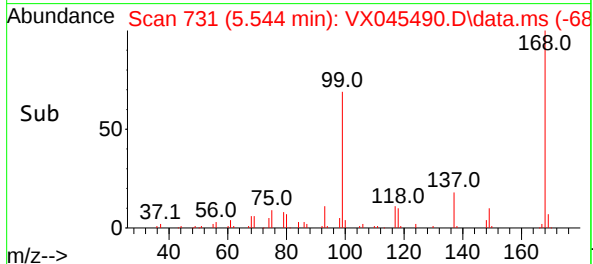
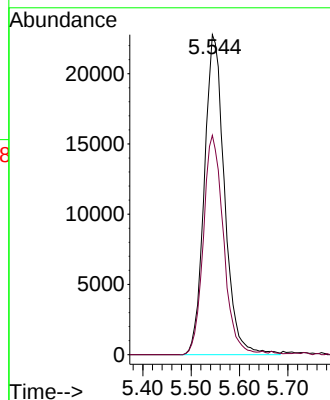
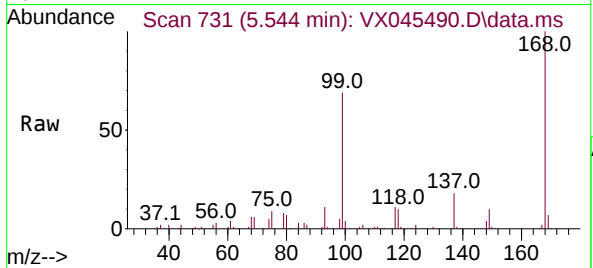




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

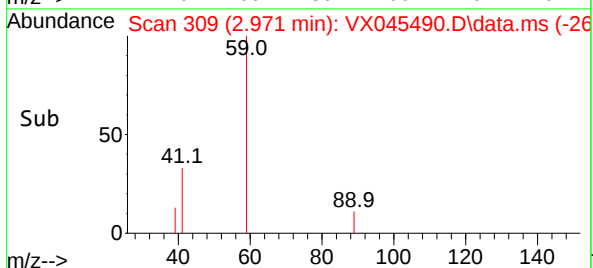
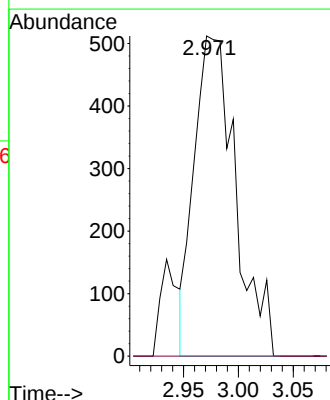
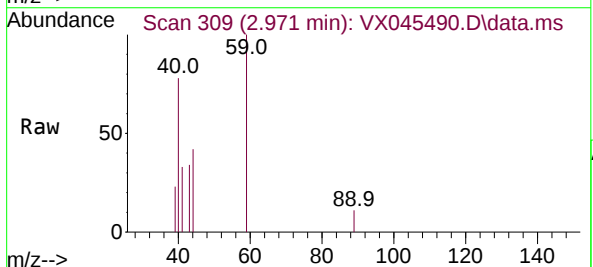
Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

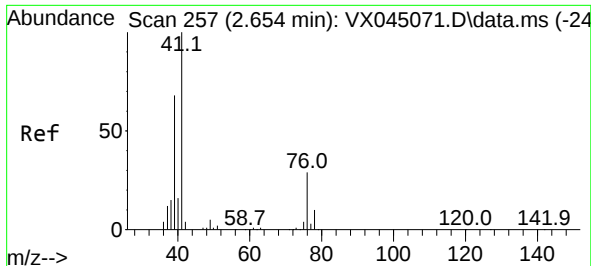
Tgt Ion:168 Resp: 65936
Ion Ratio Lower Upper
168 100
99 68.5 48.2 72.4



#11
Tert butyl alcohol
Concen: 6.770 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion: 59 Resp: 1345
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

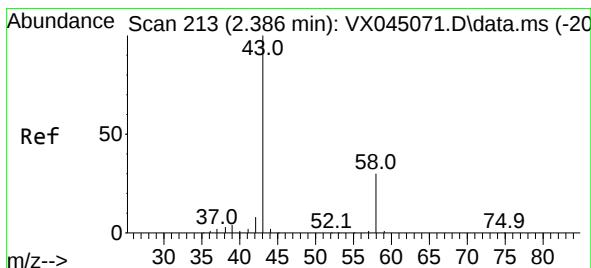
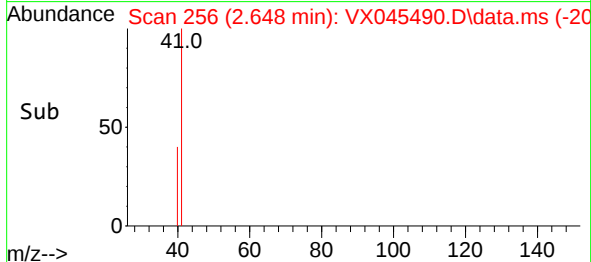
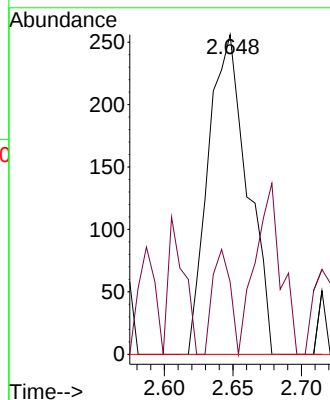
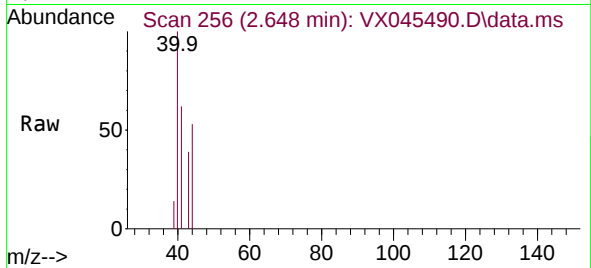




#14
 Allyl chloride
 Concen: 0.353 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045490.D
 Acq: 27 Mar 2025 20:13

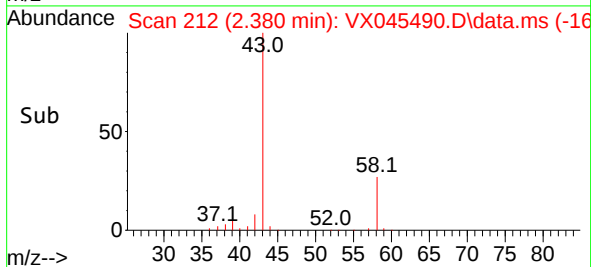
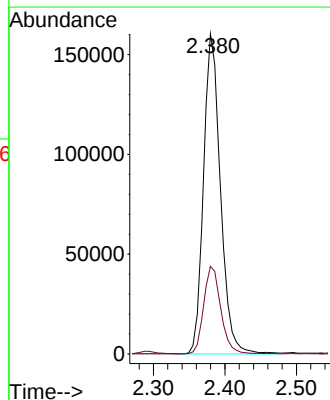
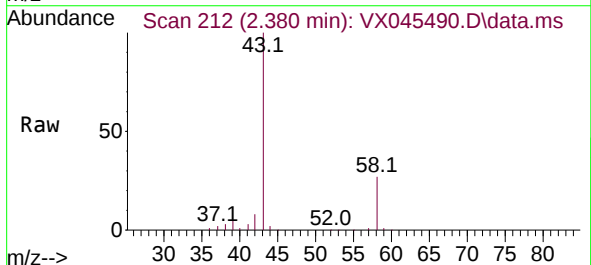
Instrument :
 MSVOA_X
 ClientSampleId :
 PAT-1-032525

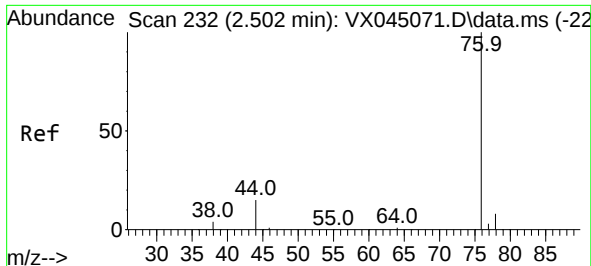
Tgt Ion: 41 Resp: 509
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 542.100 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045490.D
 Acq: 27 Mar 2025 20:13

Tgt Ion: 43 Resp: 263794
 Ion Ratio Lower Upper
 43 100
 58 27.4 24.2 36.4

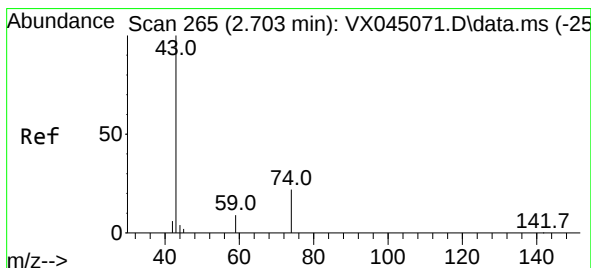
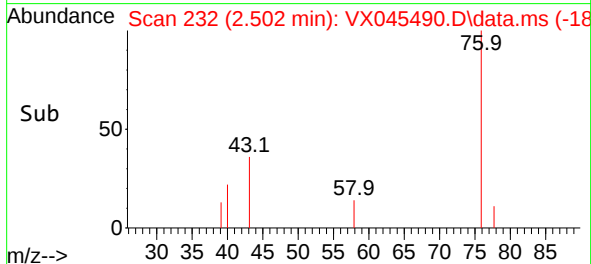
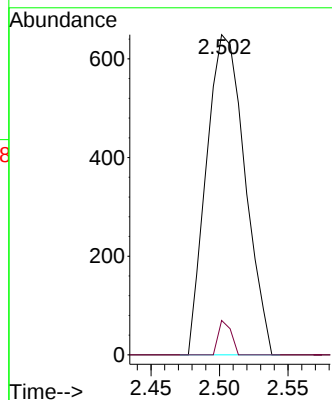
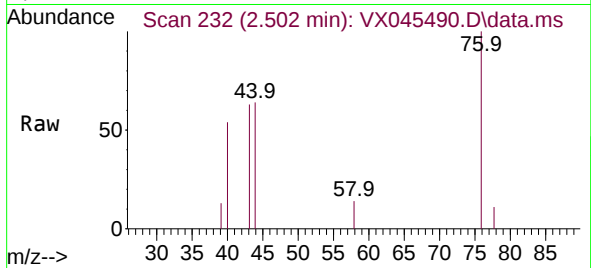




#17
Carbon Disulfide
Concen: 0.588 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

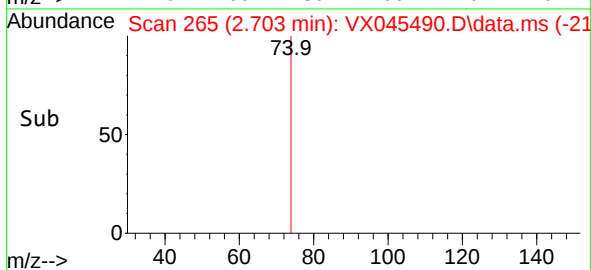
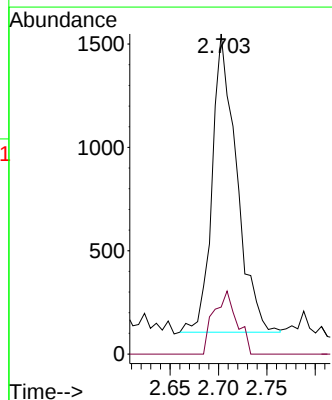
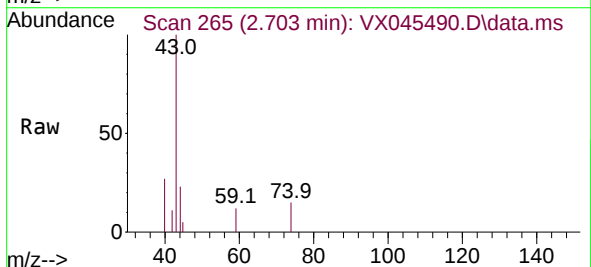
Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

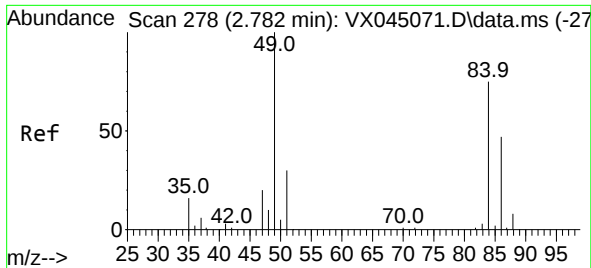
Tgt Ion: 76 Resp: 1268
Ion Ratio Lower Upper
76 100
78 10.8 6.6 9.8#



#18
Methyl Acetate
Concen: 2.168 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion: 43 Resp: 2538
Ion Ratio Lower Upper
43 100
74 20.0 17.4 26.2

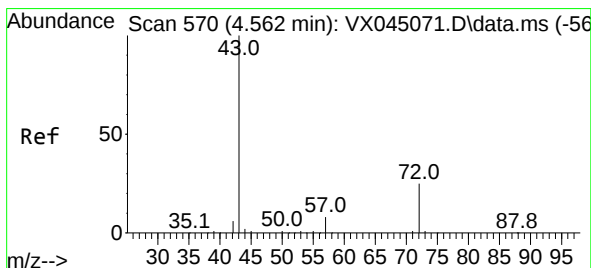
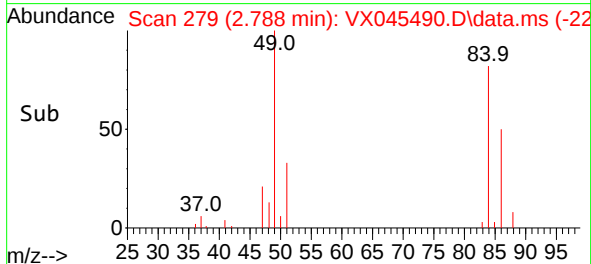
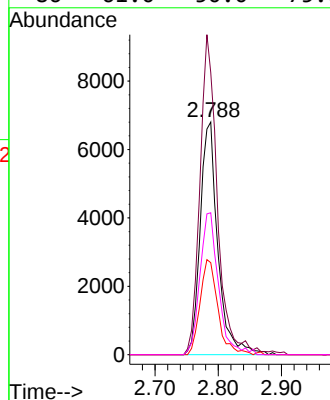
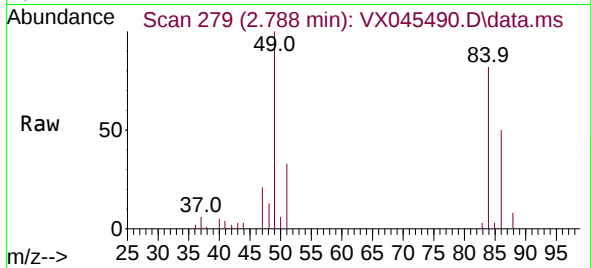




#20
Methylene Chloride
Concen: 13.769 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

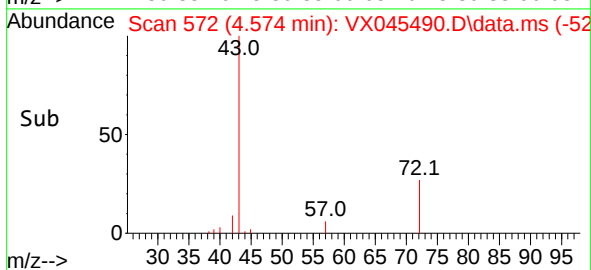
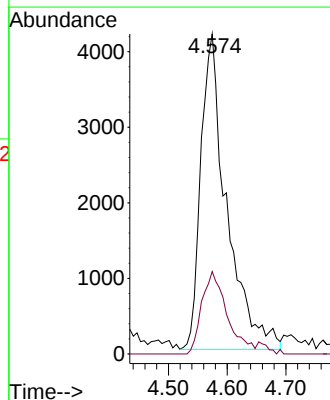
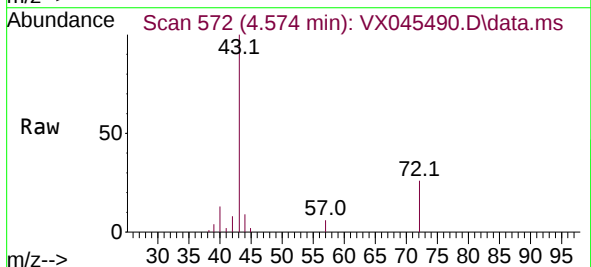
Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

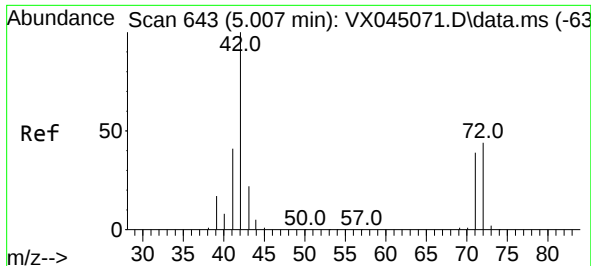
Tgt Ion:	84	Resp:	13272
Ion	Ratio	Lower	Upper
84	100		
49	121.3	106.5	159.7
51	39.5	32.1	48.1
86	61.0	50.0	75.0



#25
2-Butanone
Concen: 17.431 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion:	43	Resp:	12768
Ion	Ratio	Lower	Upper
43	100		
72	26.1	20.0	30.0





#29

Tetrahydrofuran

Concen: 0.917 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.024 min

Lab File: VX045490.D

Acq: 27 Mar 2025 20:13

Instrument :

MSVOA_X

ClientSampleId :

PAT-1-032525

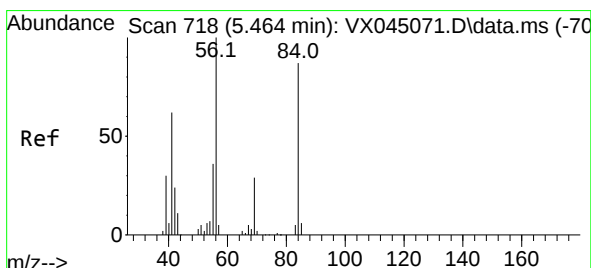
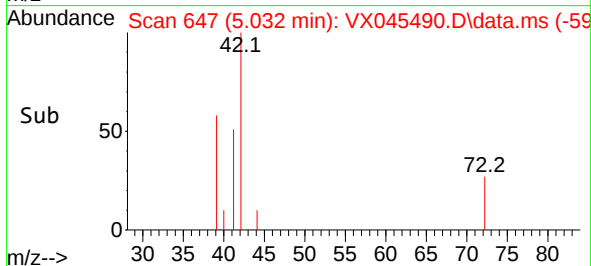
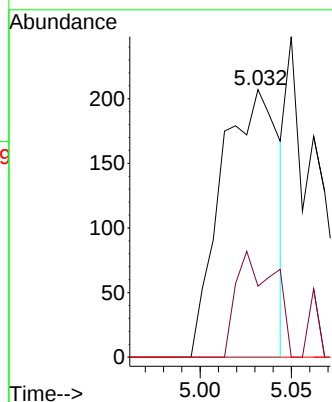
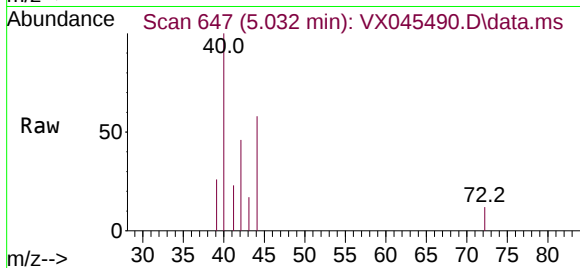
Tgt Ion: 42 Resp: 451

Ion Ratio Lower Upper

42 100

72 26.4 34.1 51.1#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.396 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045490.D

Acq: 27 Mar 2025 20:13

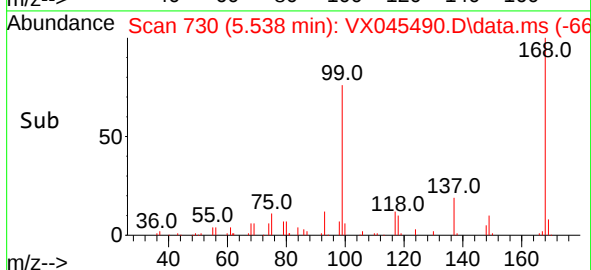
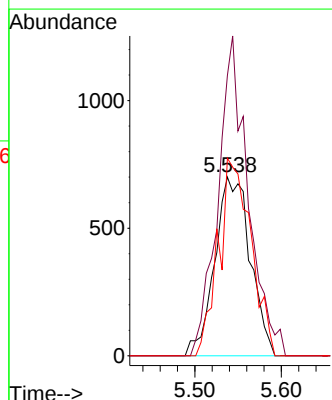
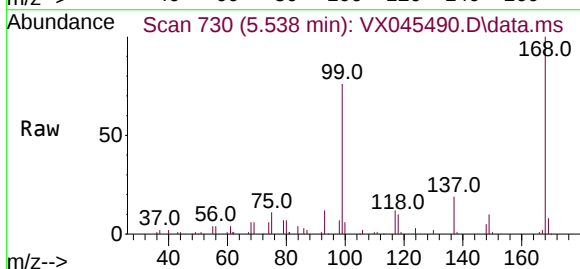
Tgt Ion: 56 Resp: 1992

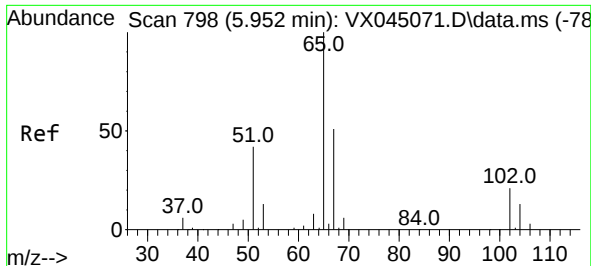
Ion Ratio Lower Upper

56 100

69 156.9 23.4 35.2#

84 110.6 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 60.018 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045490.D

Acq: 27 Mar 2025 20:13

Instrument :

MSVOA_X

ClientSampleId :

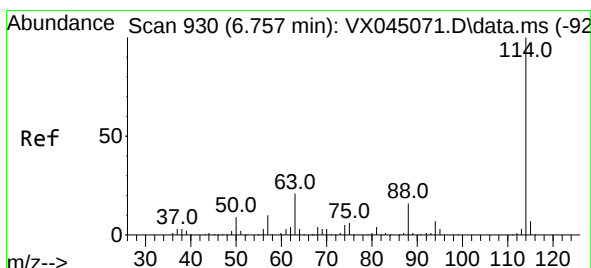
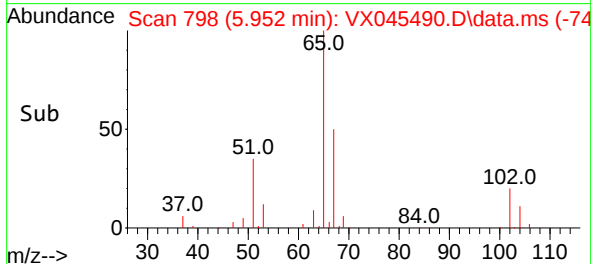
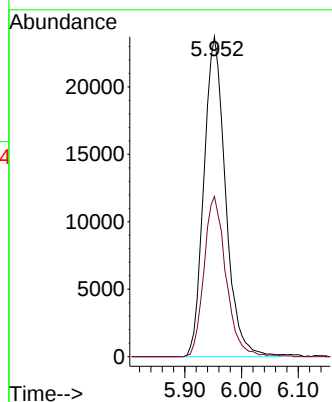
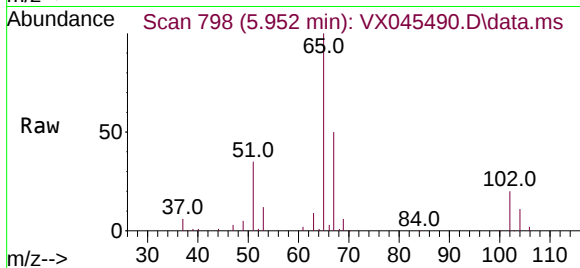
PAT-1-032525

Tgt Ion: 65 Resp: 62947

Ion Ratio Lower Upper

65 100

67 50.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045490.D

Acq: 27 Mar 2025 20:13

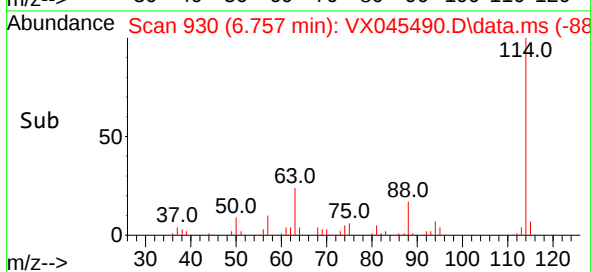
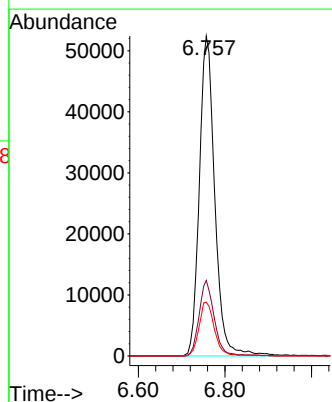
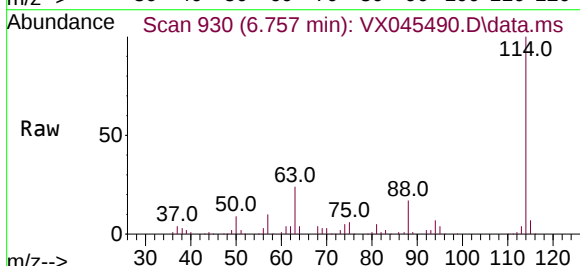
Tgt Ion: 114 Resp: 129647

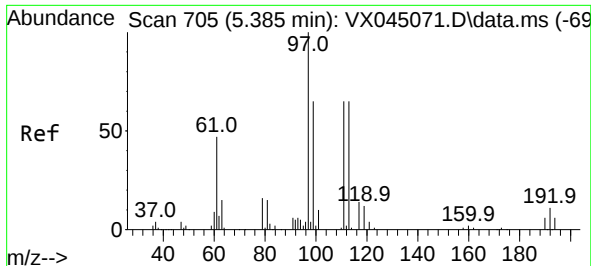
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 16.8 0.0 32.8

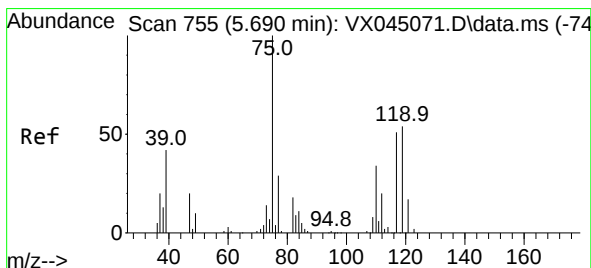
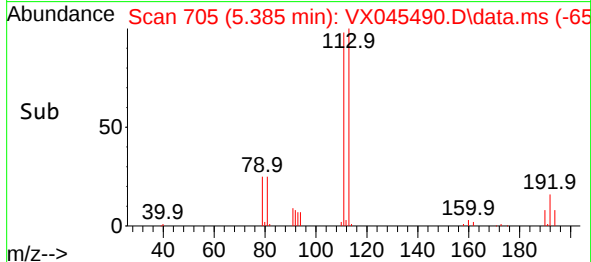
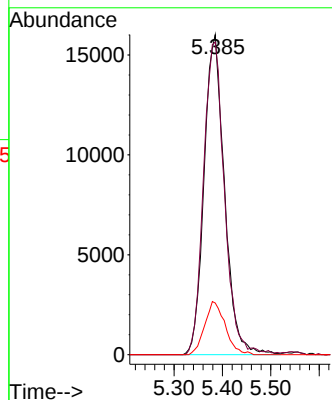
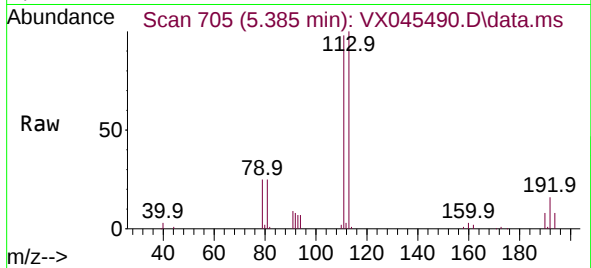




#35
Dibromofluoromethane
Concen: 54.316 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

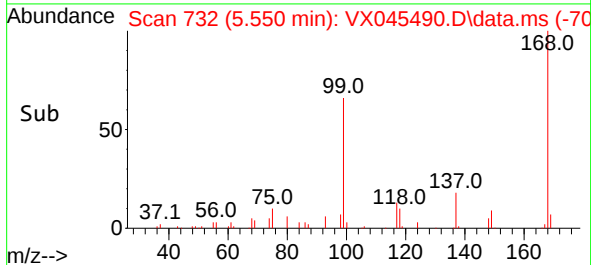
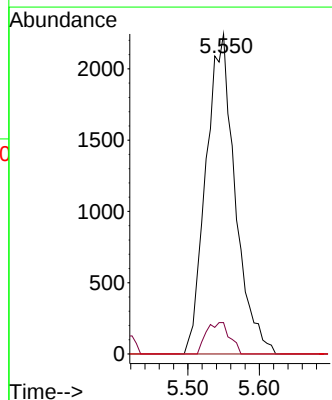
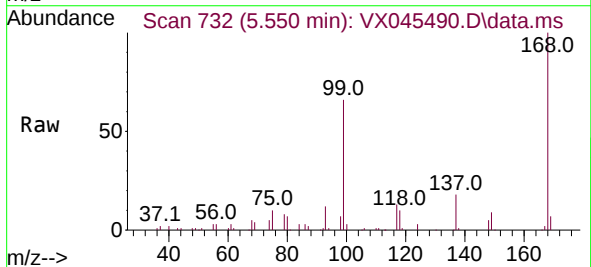
Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

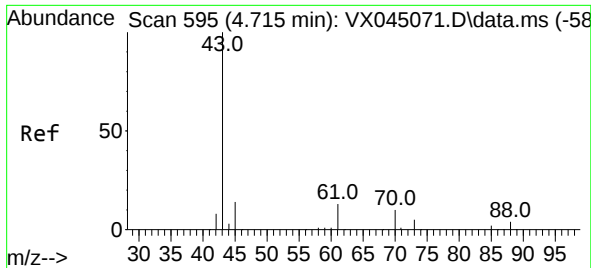
Tgt Ion:113 Resp: 47087
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.6
192 16.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.344 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion: 75 Resp: 6353
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 24.5 36.7#

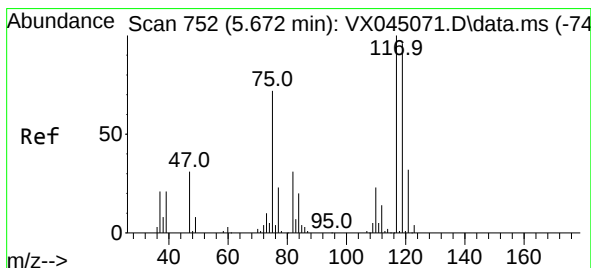
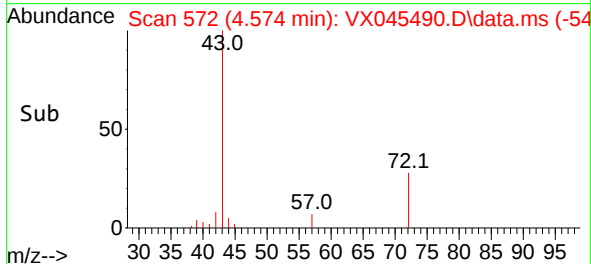
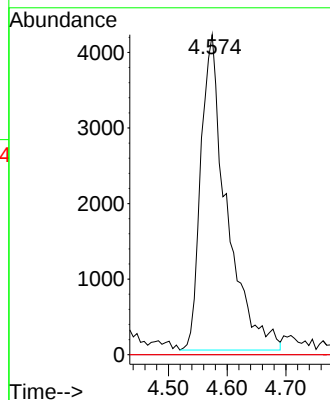
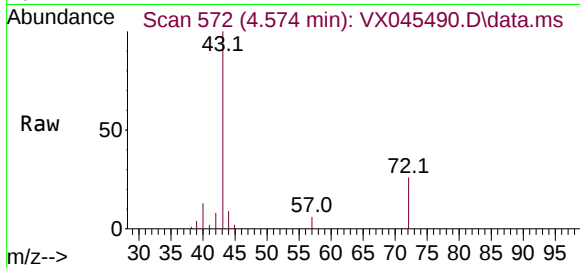




#37
Ethyl Acetate
Concen: 8.334 ug/l
RT: 4.574 min Scan# 51
Delta R.T. -0.140 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

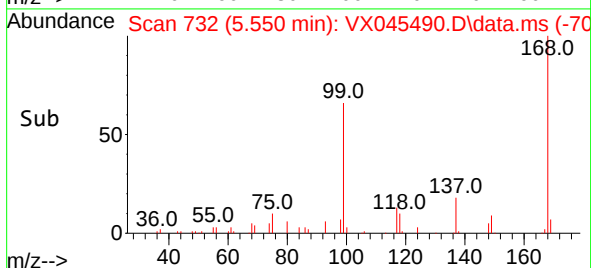
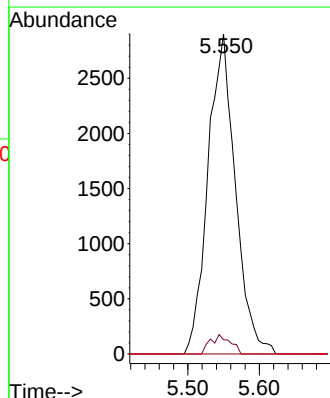
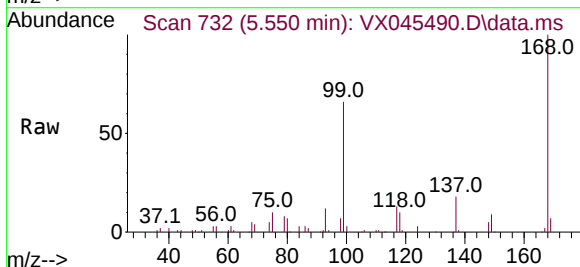
Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

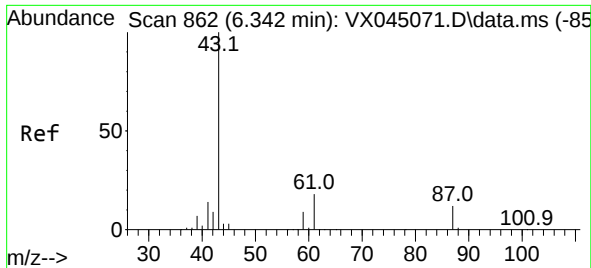
Tgt Ion: 43 Resp: 12768
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.398 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion: 117 Resp: 7723
Ion Ratio Lower Upper
117 100
119 4.4 76.7 115.1#
121 0.0 25.5 38.3#

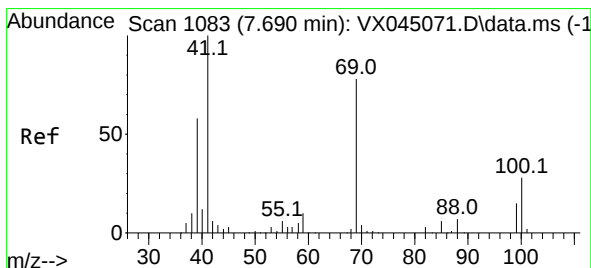
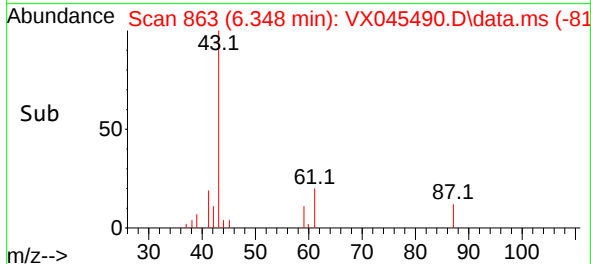
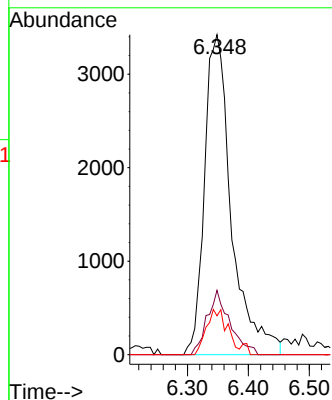
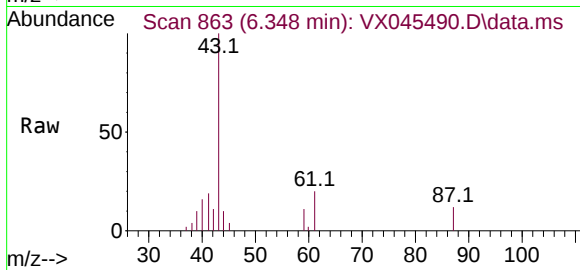




#43
Isopropyl Acetate
Concen: 4.639 ug/l
RT: 6.348 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

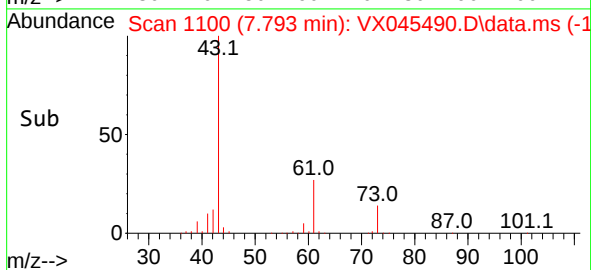
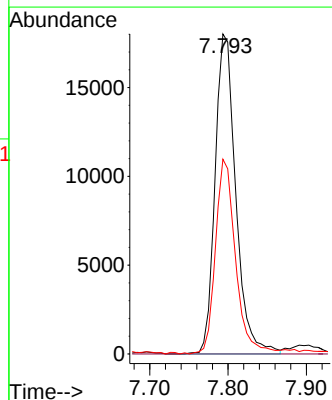
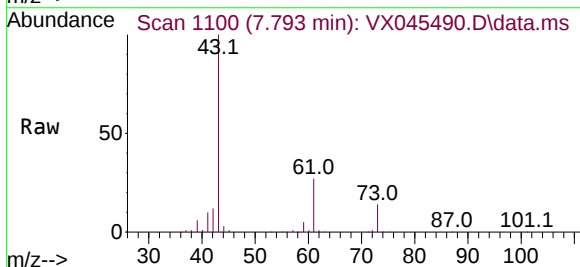
Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

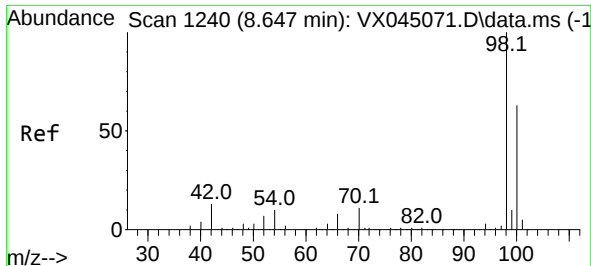
Tgt Ion: 43 Resp: 10509
Ion Ratio Lower Upper
43 100
61 17.0 14.9 22.3
87 11.1 9.4 14.2



#48
Methyl methacrylate
Concen: 29.135 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion: 41 Resp: 33112
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 59.1 47.5 71.3

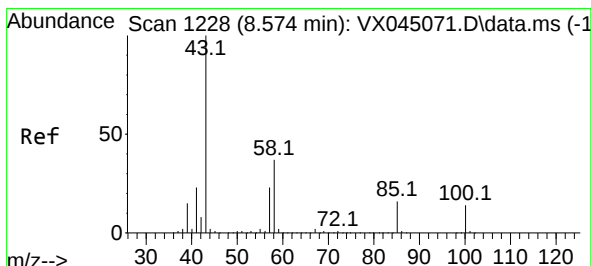
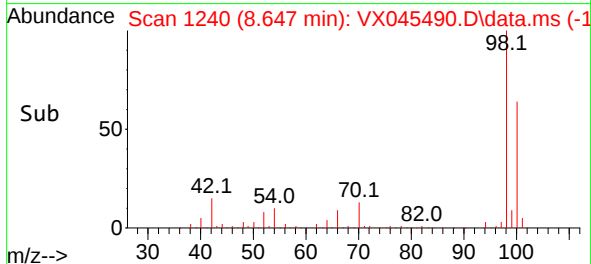
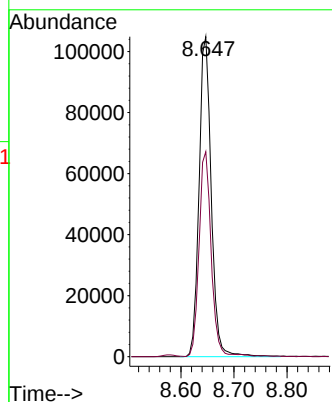
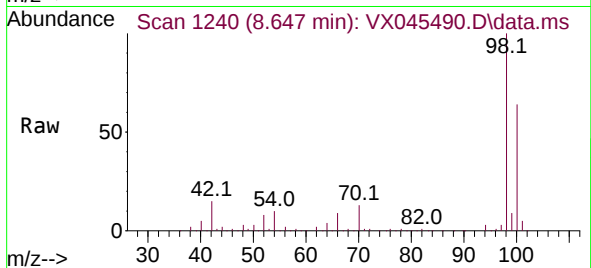




#50
Toluene-d8
Concen: 53.336 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

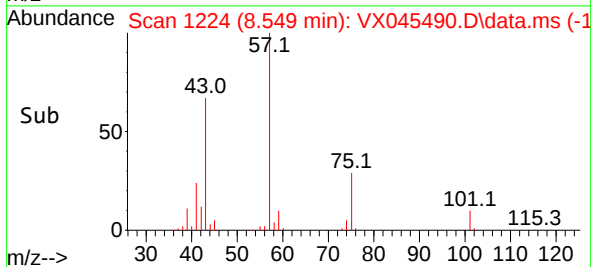
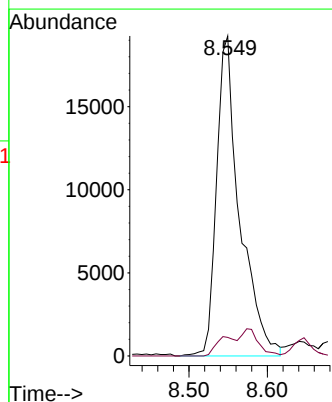
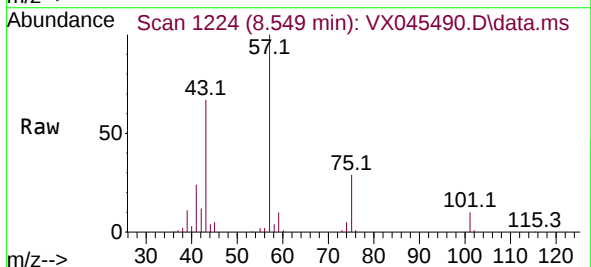
Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

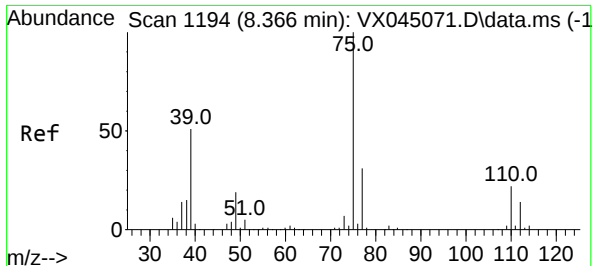
Tgt Ion: 98 Resp: 167628
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 25.960 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion: 43 Resp: 39487
Ion Ratio Lower Upper
43 100
58 5.2 29.2 43.8#

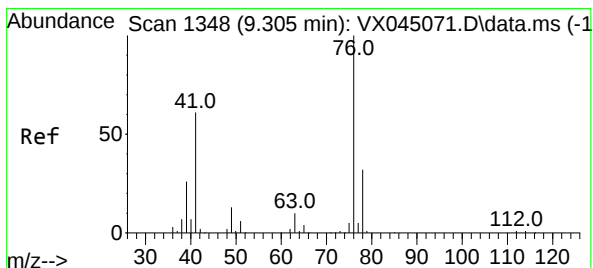
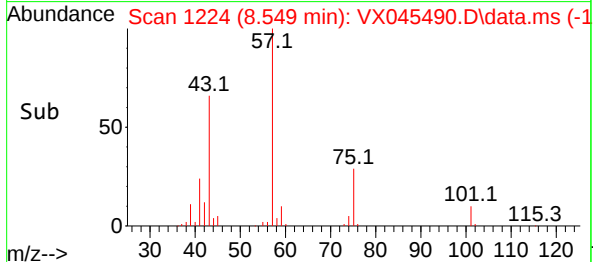
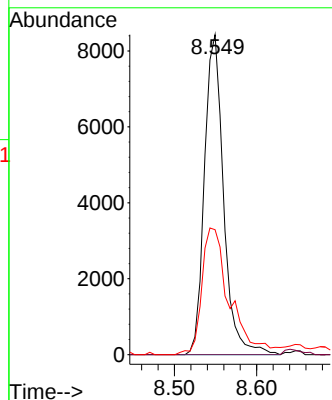
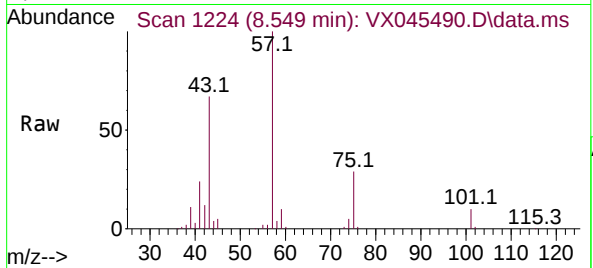




#54
 cis-1,3-Dichloropropene
 Concen: 10.459 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045490.D
 Acq: 27 Mar 2025 20:13

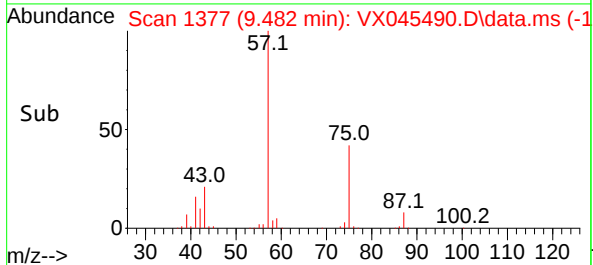
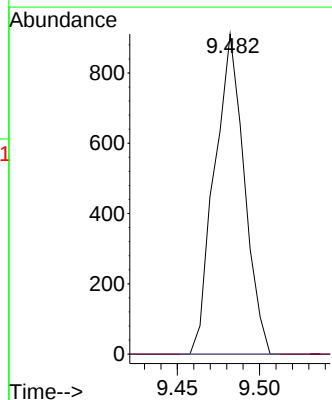
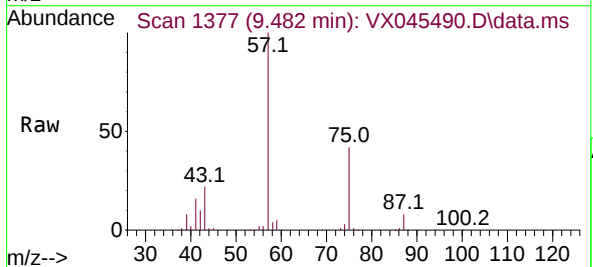
Instrument :
 MSVOA_X
 ClientSampleId :
 PAT-1-032525

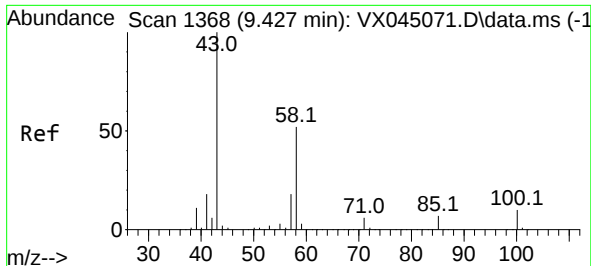
Tgt Ion: 75 Resp: 13644
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 38.3 40.7 61.1#



#57
 1,3-Dichloropropane
 Concen: 0.731 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045490.D
 Acq: 27 Mar 2025 20:13

Tgt Ion: 76 Resp: 1147
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 17.232 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX045490.D

Acq: 27 Mar 2025 20:13

Instrument :

MSVOA_X

ClientSampleId :

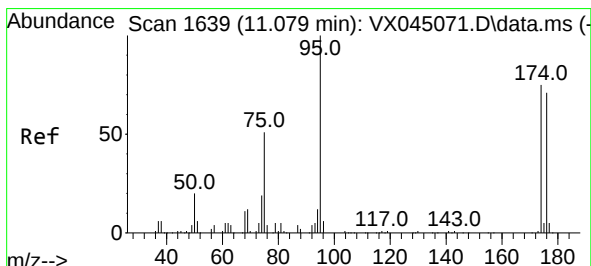
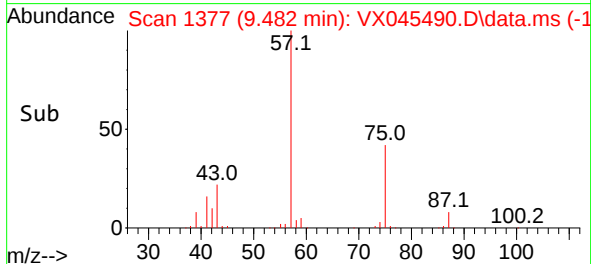
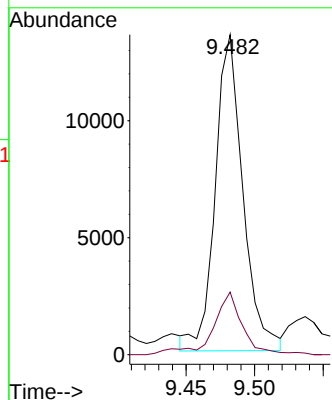
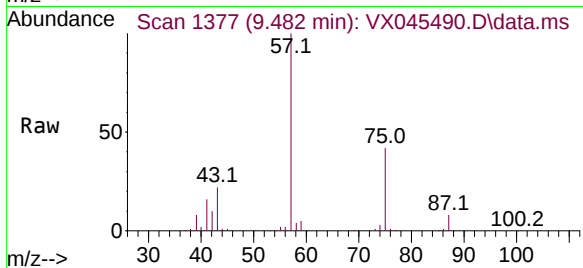
PAT-1-032525

Tgt Ion: 43 Resp: 18991

Ion Ratio Lower Upper

43 100

58 21.3 25.9 77.6#



#62

4-Bromofluorobenzene

Concen: 58.037 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045490.D

Acq: 27 Mar 2025 20:13

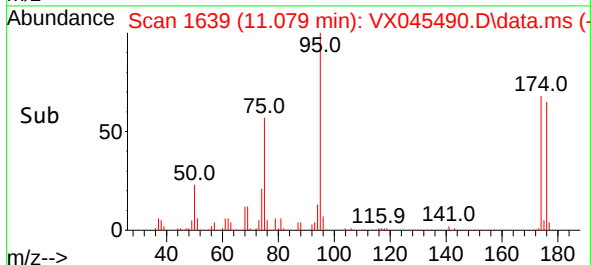
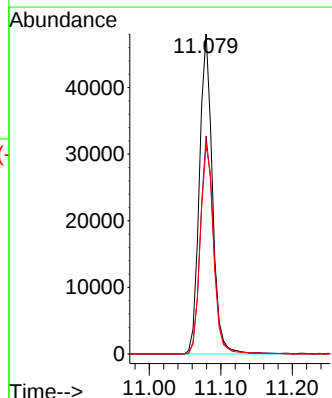
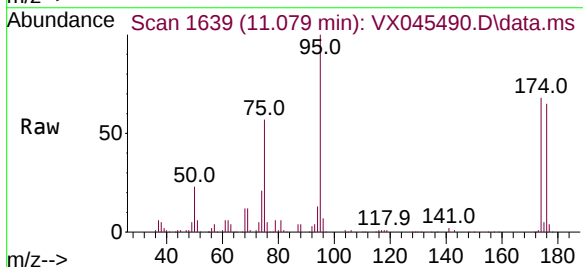
Tgt Ion: 95 Resp: 60443

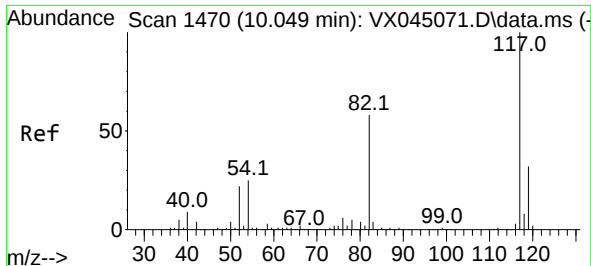
Ion Ratio Lower Upper

95 100

174 69.7 0.0 148.2

176 67.2 0.0 141.4

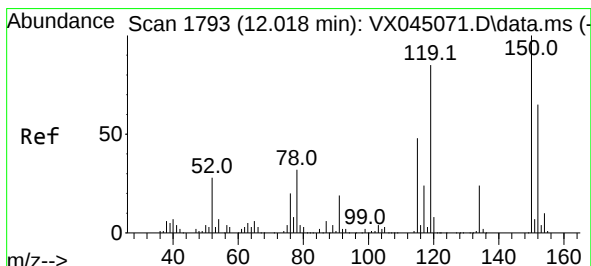
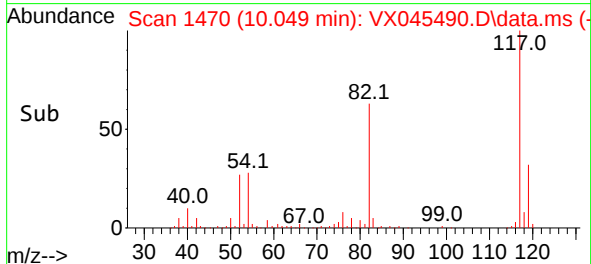
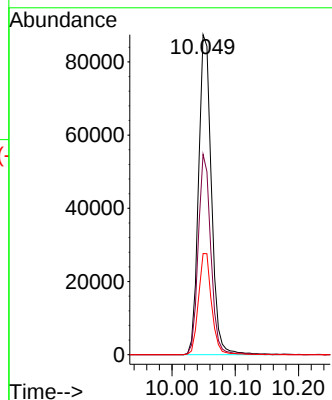
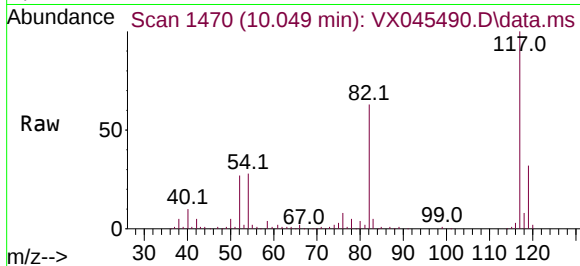




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

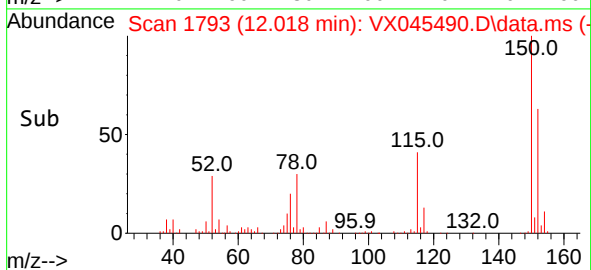
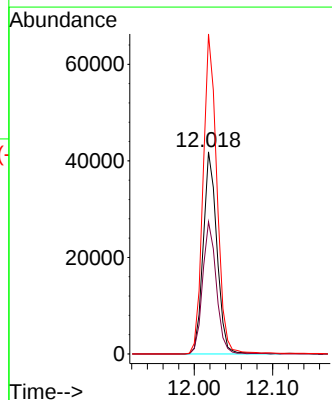
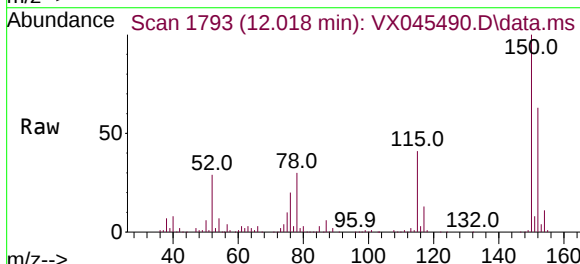
Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

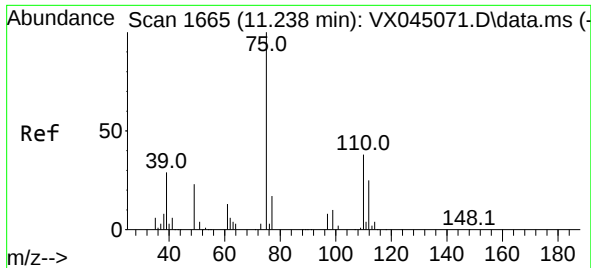
Tgt Ion:117 Resp: 123957
Ion Ratio Lower Upper
117 100
82 62.6 46.3 69.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion:152 Resp: 50809
Ion Ratio Lower Upper
152 100
115 65.3 44.2 132.6
150 160.4 0.0 349.0

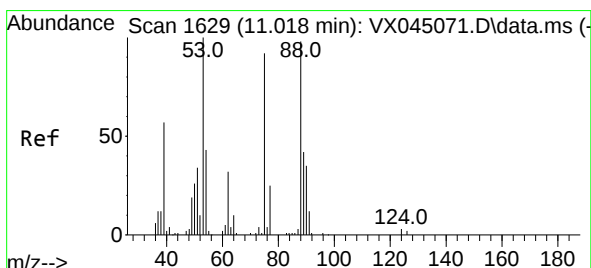
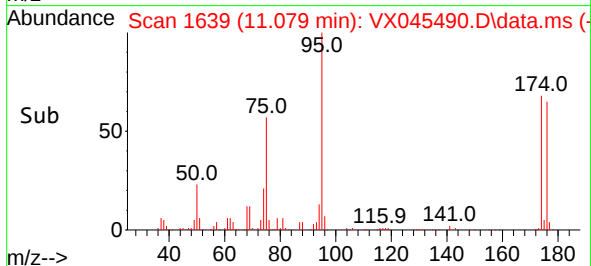
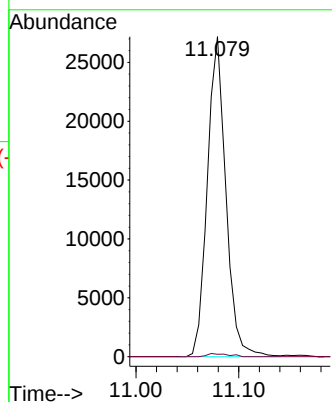
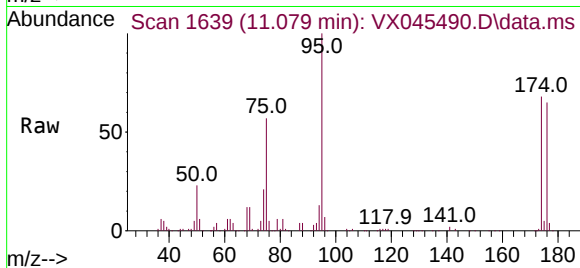




#76
1,2,3-Trichloropropane
Concen: 28.871 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Instrument :
MSVOA_X
ClientSampleId :
PAT-1-032525

Tgt Ion: 75 Resp: 34142
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045490.D
Acq: 27 Mar 2025 20:13

Tgt Ion: 75 Resp: 34142
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

