

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045488.D
 Acq On : 27 Mar 2025 19:26
 Operator : JC/MD
 Sample : P167330ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#12

Quant Time: Mar 28 01:37:45 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)

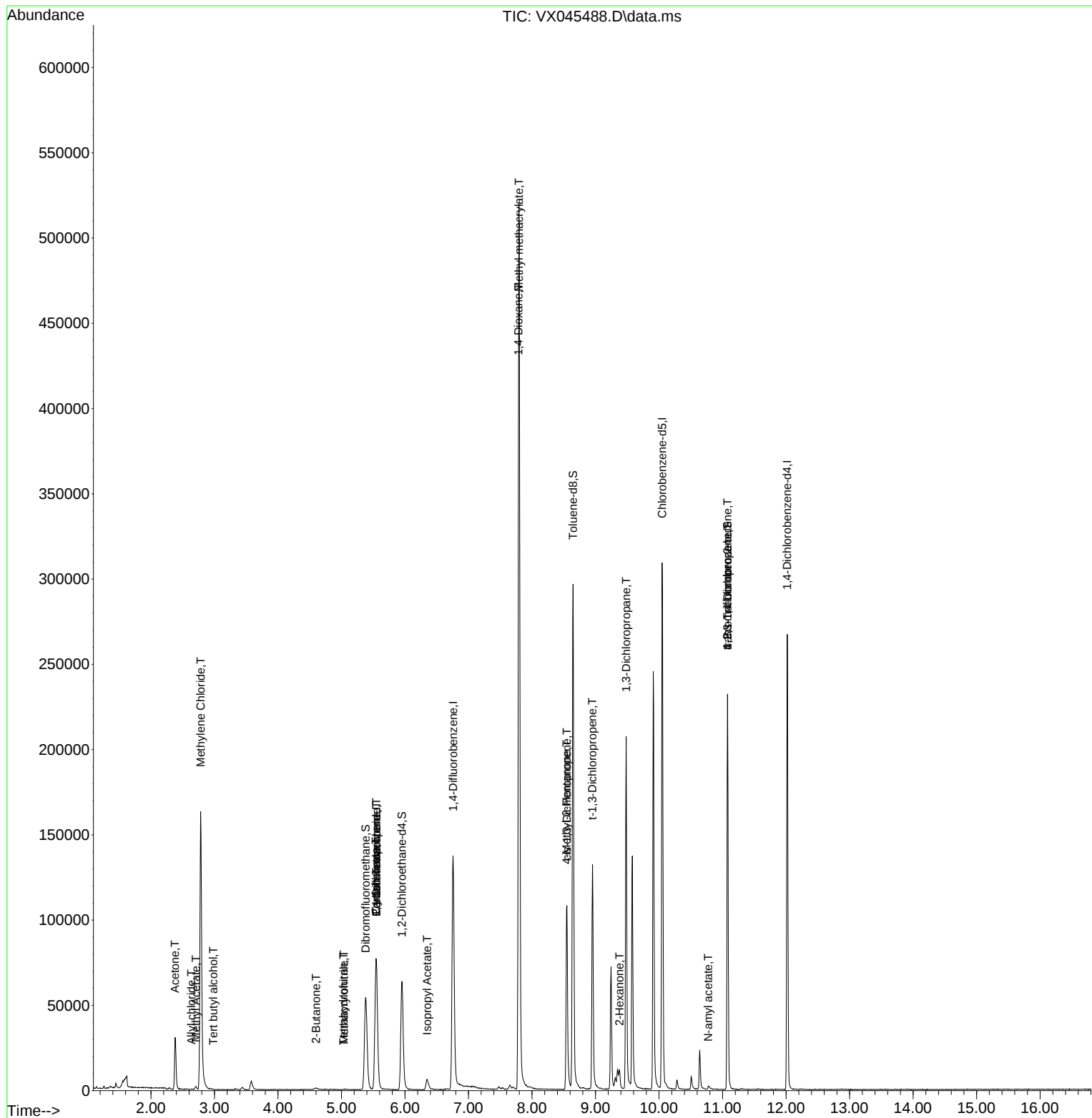
Internal Standards						
1) Pentafluorobenzene	5.550	168	67410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64326	59.991	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.980%	
35) Dibromofluoromethane	5.379	113	47378	53.294	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.580%	
50) Toluene-d8	8.647	98	167821	52.071	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.140%	
62) 4-Bromofluorobenzene	11.079	95	59553	55.762	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	98	0.483	ug/l #	73
14) Allyl chloride	2.636	41	302	0.205	ug/l #	55
16) Acetone	2.380	43	33159	66.652	ug/l	93
18) Methyl Acetate	2.709	43	2408	2.012	ug/l	100
20) Methylene Chloride	2.782	84	74975	76.080	ug/l	94
25) 2-Butanone	4.599	43	2447	3.268	ug/l #	73
29) Tetrahydrofuran	5.032	42	215	0.428	ug/l #	52
31) Cyclohexane	5.544	56	1977	1.355	ug/l #	11
36) 1,1-Dichloropropene	5.550	75	6708	5.502	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7710	6.229	ug/l #	16
41) Methacrylonitrile	5.038	41	227	0.267	ug/l #	24
43) Isopropyl Acetate	6.348	43	9677	4.166	ug/l	96
48) Methyl methacrylate	7.793	41	51518	44.205	ug/l #	48
49) 1,4-Dioxane	7.787	88	41	1.668	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	43266	27.738	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	240	0.209	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16299	12.183	ug/l #	74
57) 1,3-Dichloropropane	9.482	76	1743	1.083	ug/l #	43
59) 2-Hexanone	9.378	43	10690	9.459	ug/l #	26
74) N-amyl acetate	10.775	43	1711	0.957	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	34646	30.482	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34646	104.316	ug/l #	6

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

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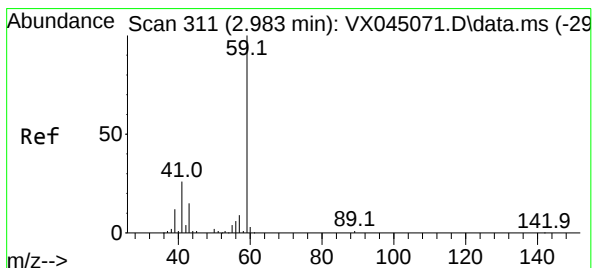
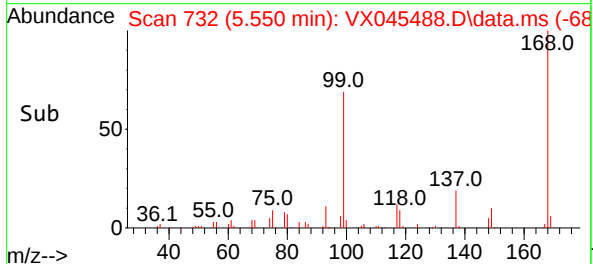
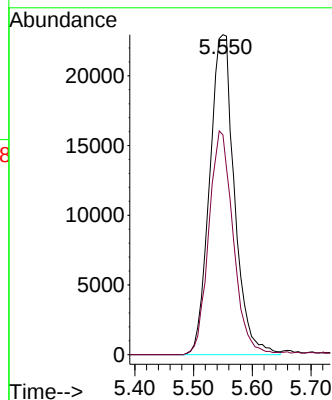
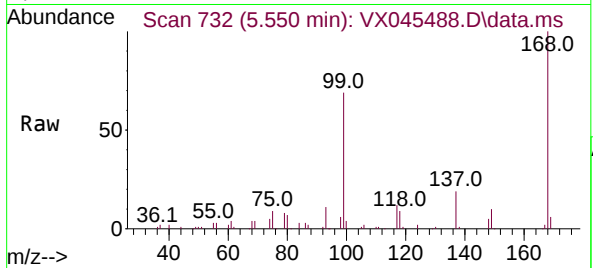




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

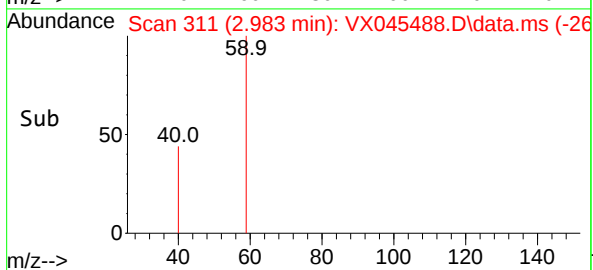
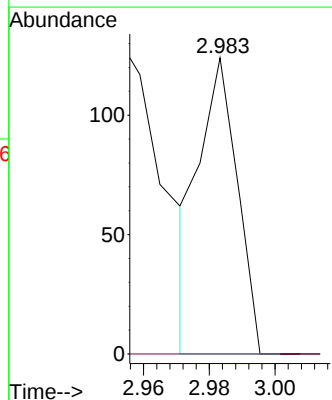
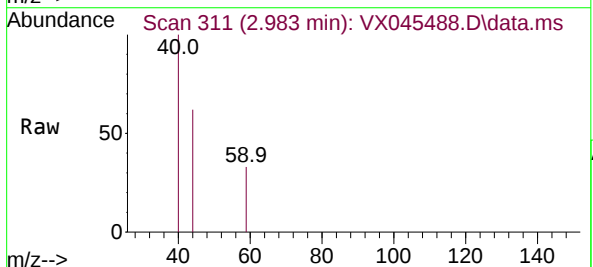
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

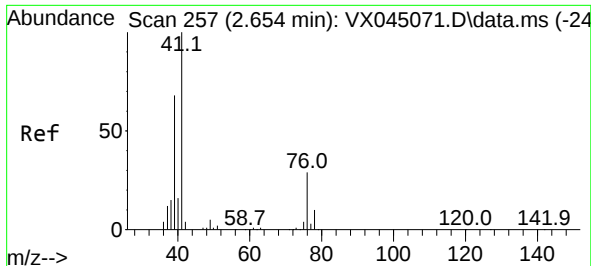
Tgt Ion:168 Resp: 67410
Ion Ratio Lower Upper
168 100
99 68.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.483 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

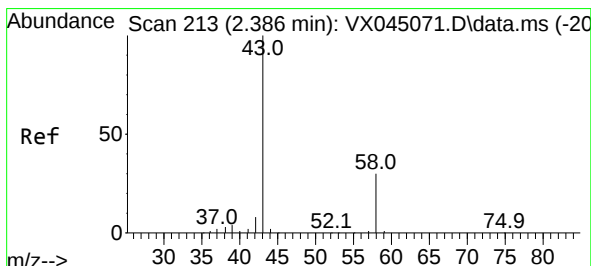
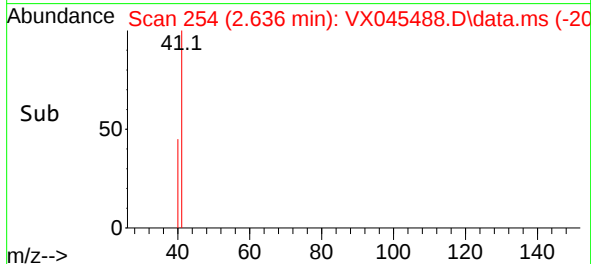
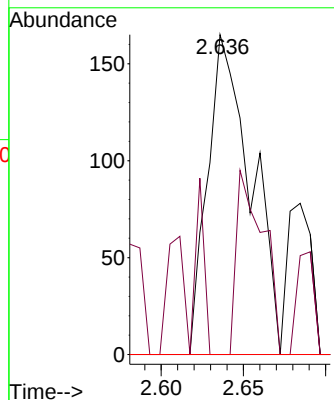
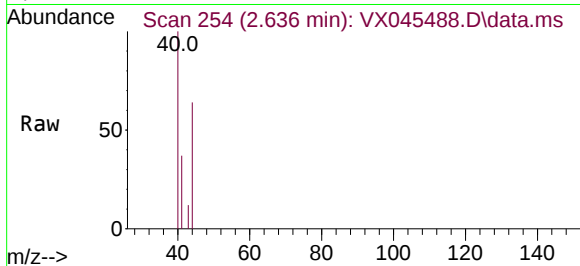




#14
Allyl chloride
Concen: 0.205 ug/l
RT: 2.636 min Scan# 212
Delta R.T. -0.018 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

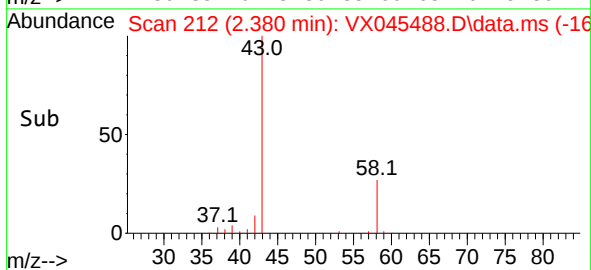
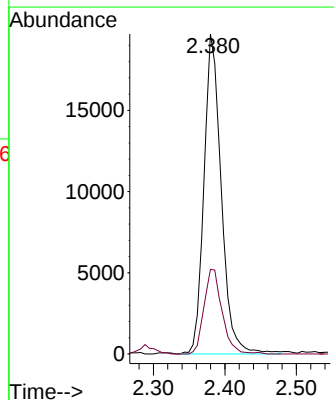
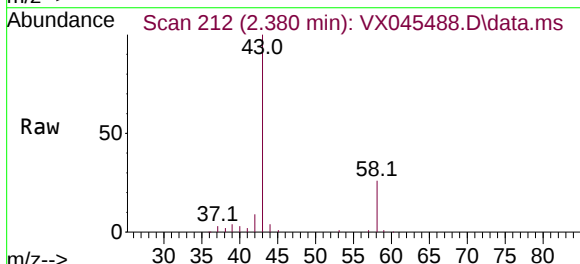
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

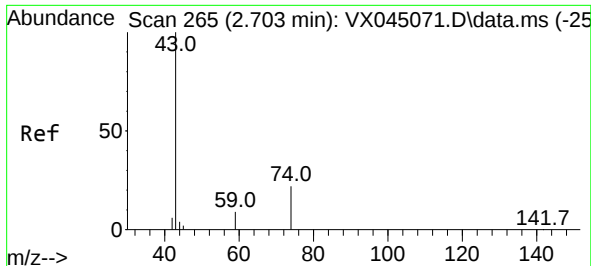
Tgt Ion: 41 Resp: 302
Ion Ratio Lower Upper
41 100
39 36.1 53.8 80.8#
76 0.0 25.2 37.8#



#16
Acetone
Concen: 66.652 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 43 Resp: 33159
Ion Ratio Lower Upper
43 100
58 26.4 24.2 36.4

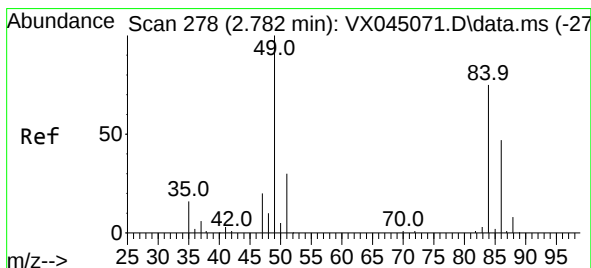
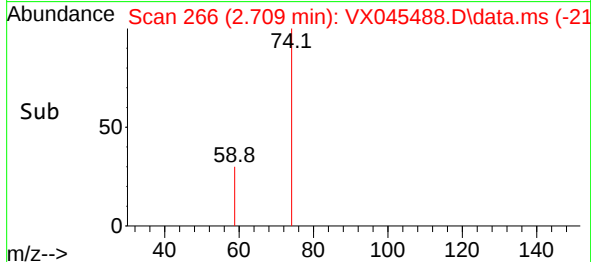
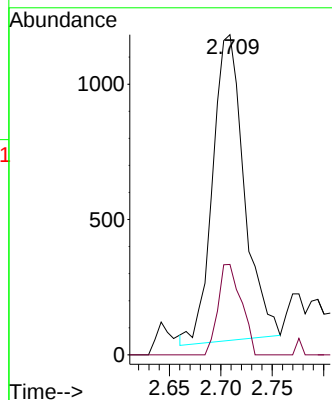
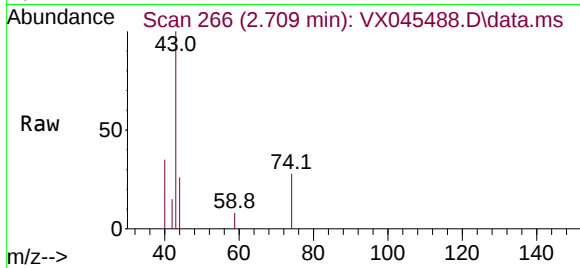




#18
Methyl Acetate
Concen: 2.012 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

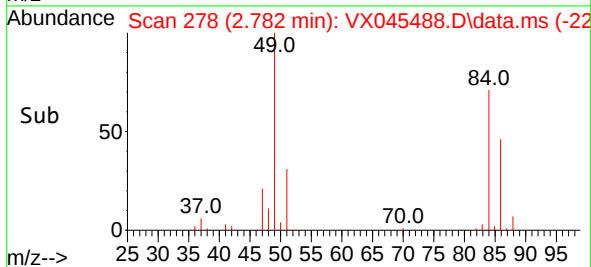
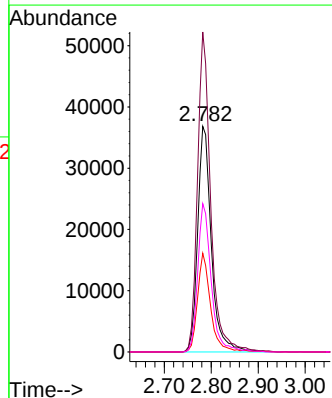
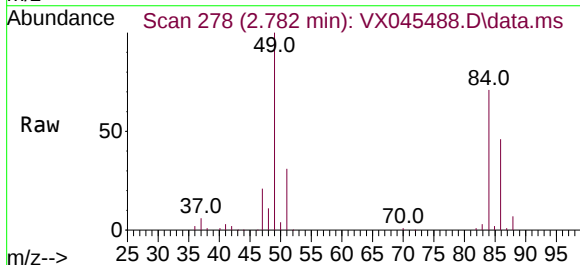
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

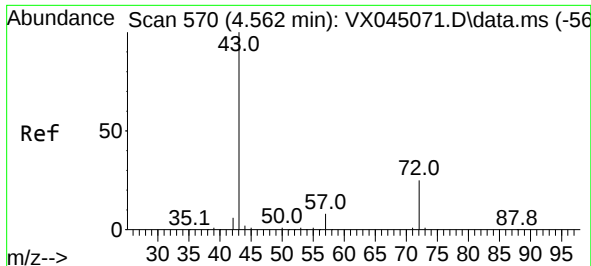
Tgt Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.2



#20
Methylene Chloride
Concen: 76.080 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 84 Resp: 74975
Ion Ratio Lower Upper
84 100
49 141.8 106.5 159.7
51 43.7 32.1 48.1
86 65.8 50.0 75.0

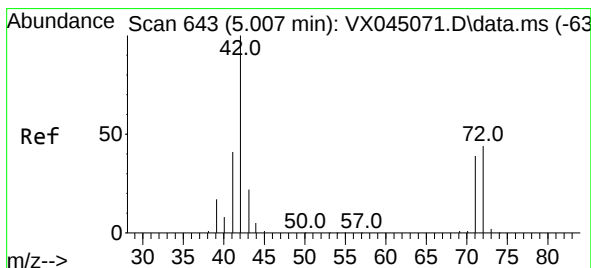
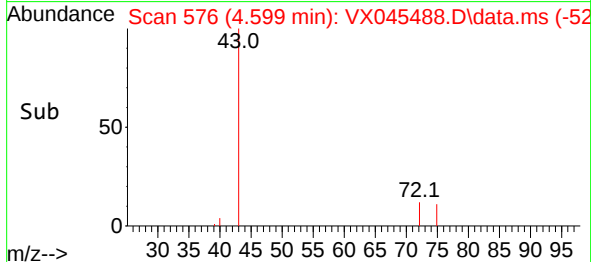
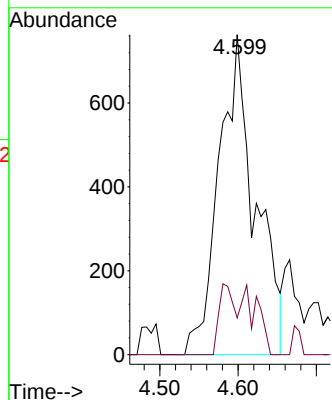
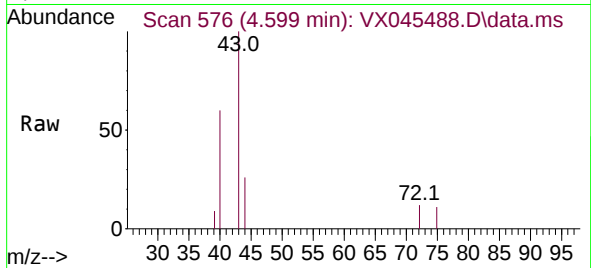




#25
2-Butanone
Concen: 3.268 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

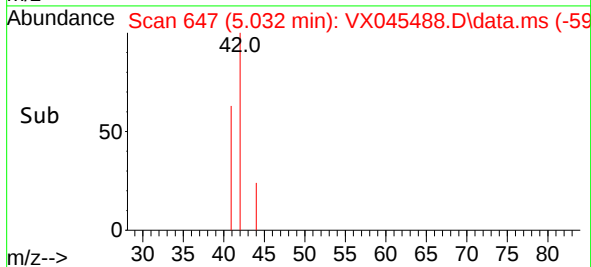
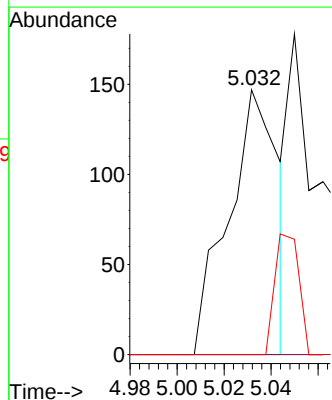
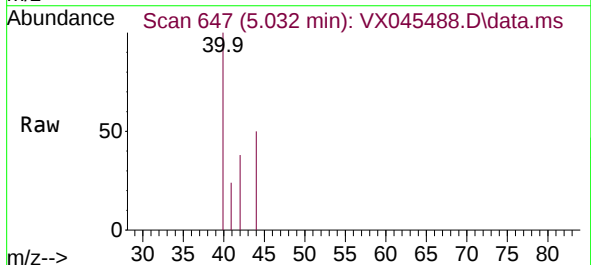
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

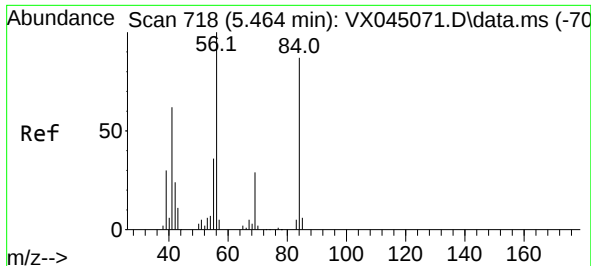
Tgt Ion: 43 Resp: 2447
Ion Ratio Lower Upper
43 100
72 11.5 20.0 30.0#



#29
Tetrahydrofuran
Concen: 0.428 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 42 Resp: 215
Ion Ratio Lower Upper
42 100
72 0.0 34.1 51.1#
71 22.3 31.4 47.0#

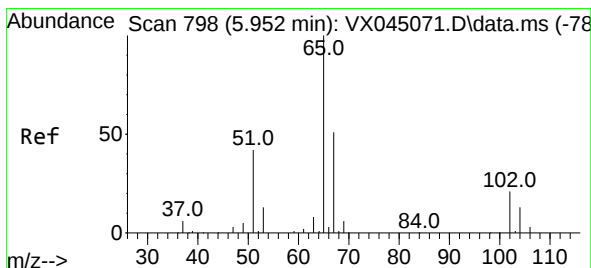
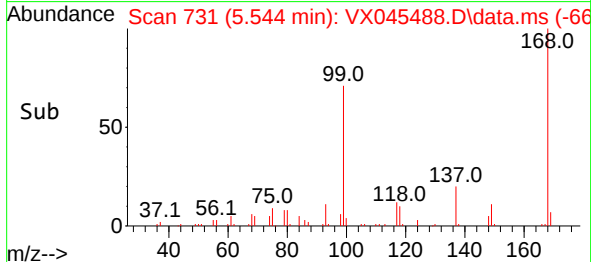
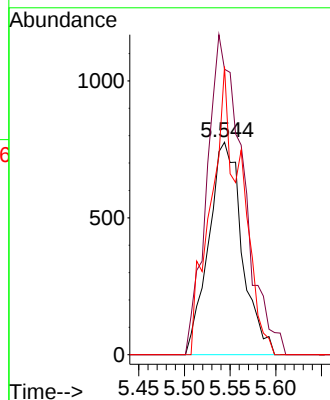
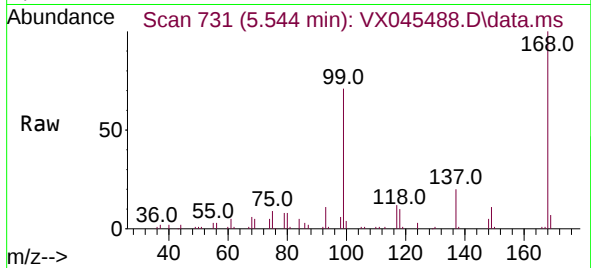




#31
Cyclohexane
Concen: 1.355 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

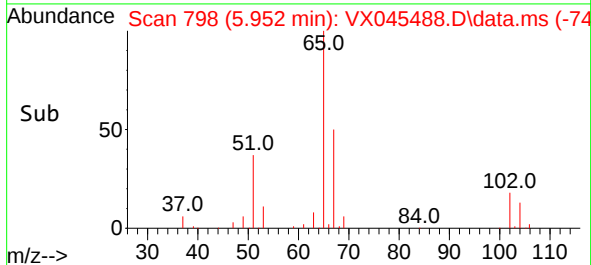
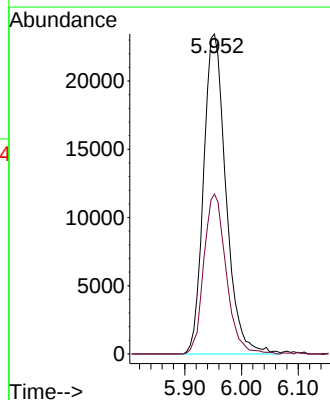
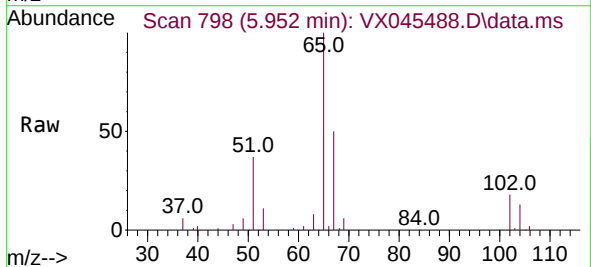
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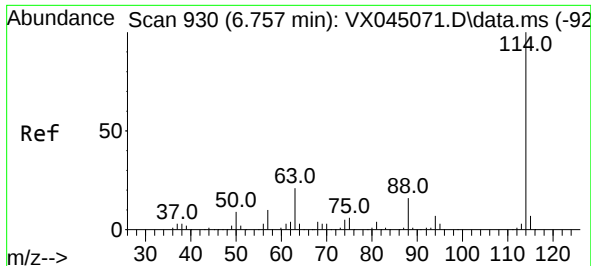
Tgt Ion: 56 Resp: 1977
Ion Ratio Lower Upper
56 100
69 134.4 23.4 35.2#
84 135.6 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 59.991 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 65 Resp: 64326
Ion Ratio Lower Upper
65 100
67 49.8 0.0 106.2

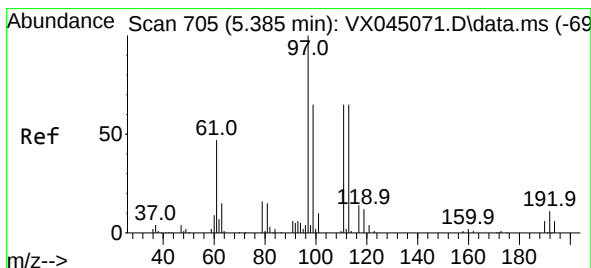
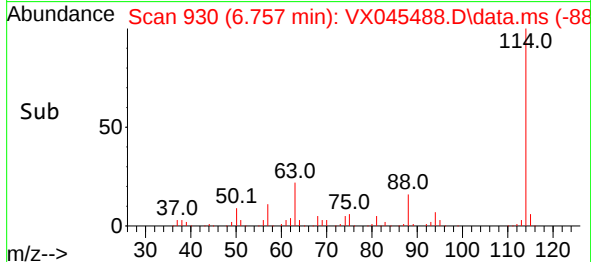
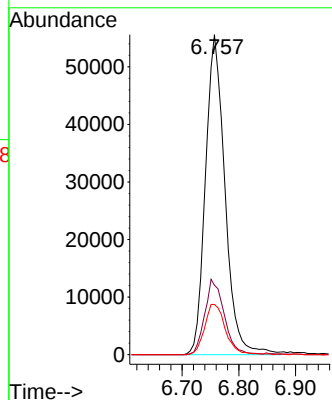
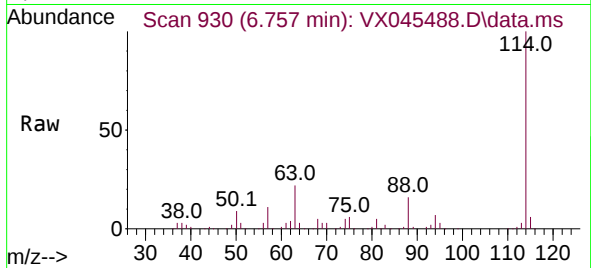




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045488.D
 Acq: 27 Mar 2025 19:26

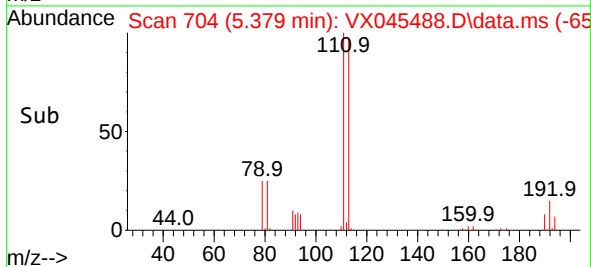
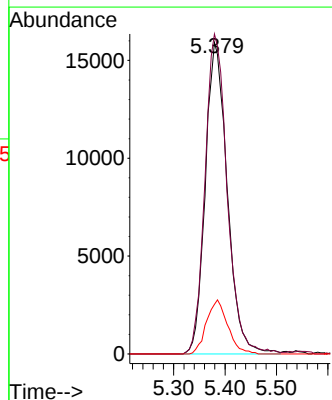
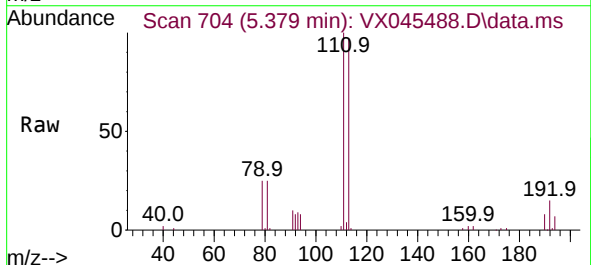
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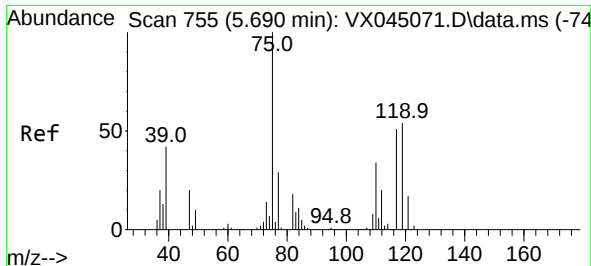
Tgt Ion:114 Resp: 132949
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.8
 88 15.7 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 53.294 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX045488.D
 Acq: 27 Mar 2025 19:26

Tgt Ion:113 Resp: 47378
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.8 122.6
 192 16.8 14.3 21.5

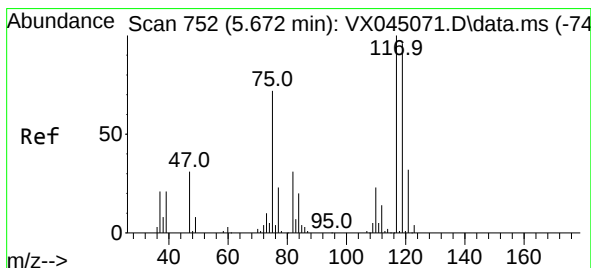
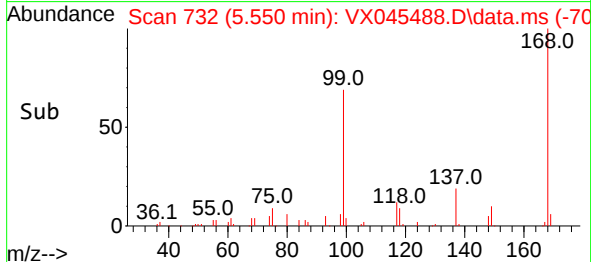
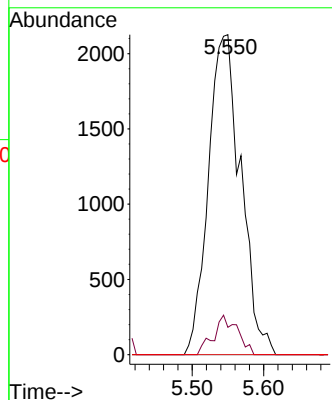
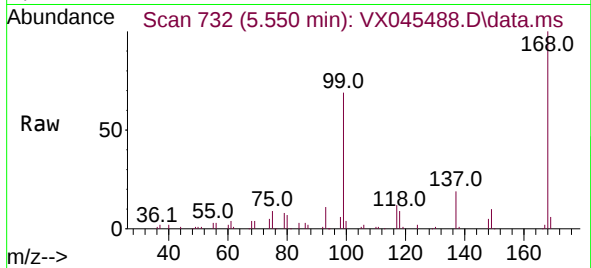




#36
1,1-Dichloropropene
Concen: 5.502 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

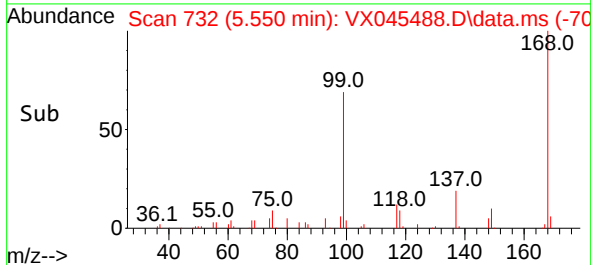
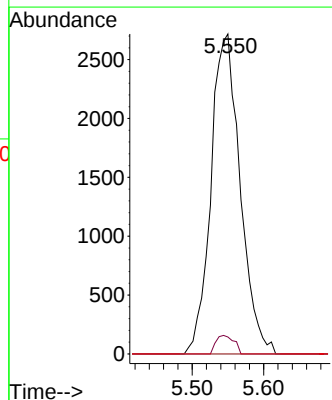
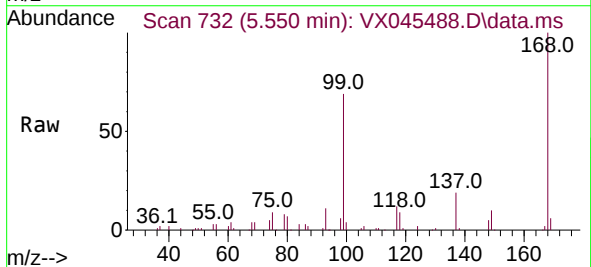
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

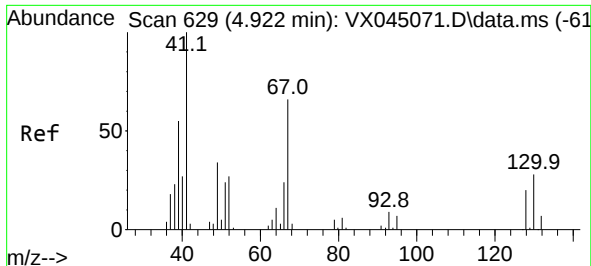
Tgt Ion: 75 Resp: 6708
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 117 Resp: 7710
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.5 38.3#

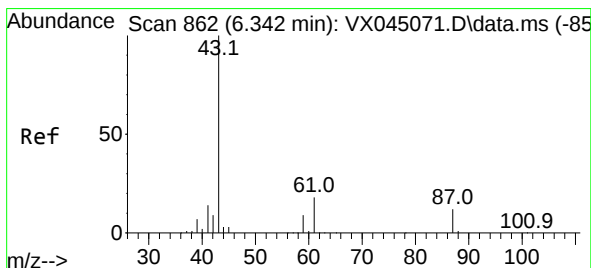
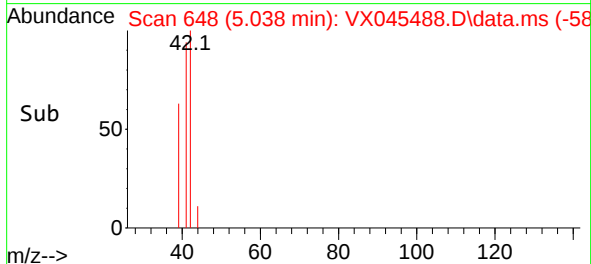
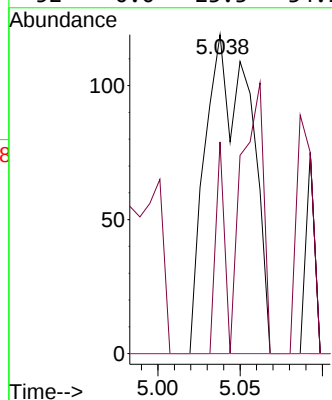
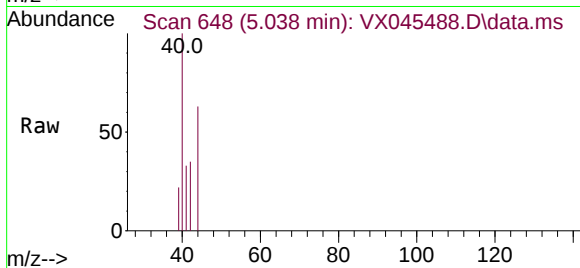




#41
Methacrylonitrile
Concen: 0.267 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.116 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

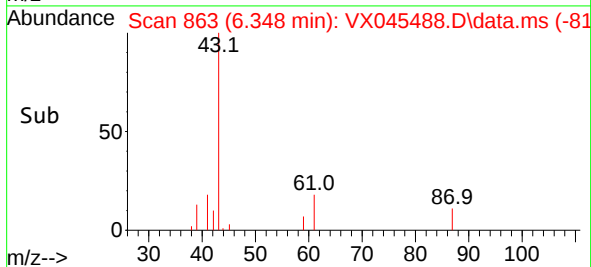
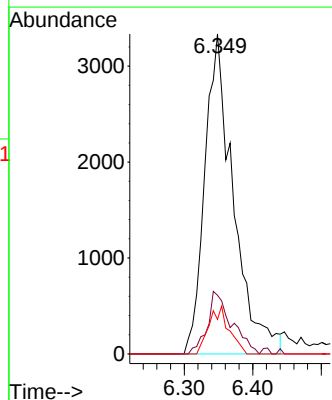
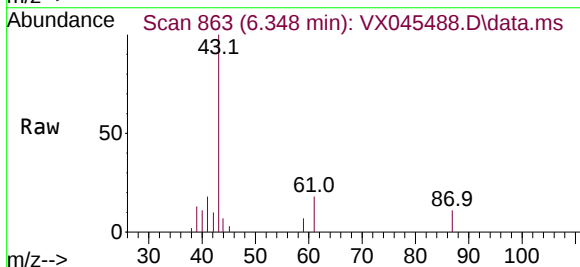
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

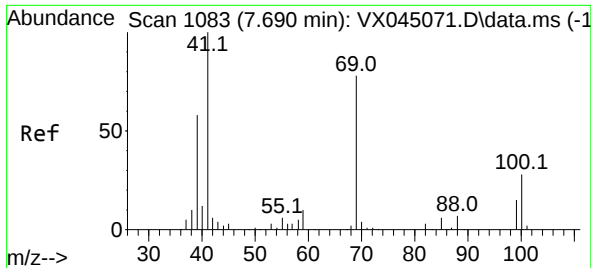
Tgt Ion: 41	Resp: 227
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	53.9 80.9#
52 0.0	23.3 34.9#



#43
Isopropyl Acetate
Concen: 4.166 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 43	Resp:	9677	
Ion	Ratio	Lower	Upper
43	100		
61	16.6	14.9	22.3
87	10.5	9.4	14.2

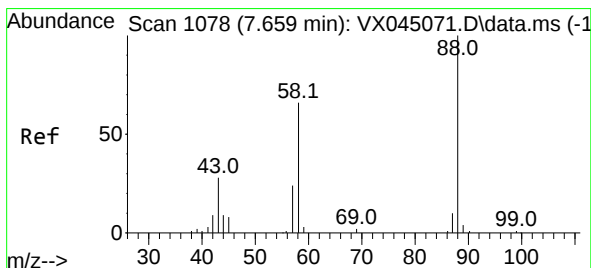
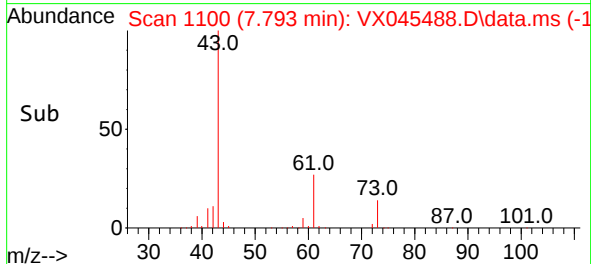
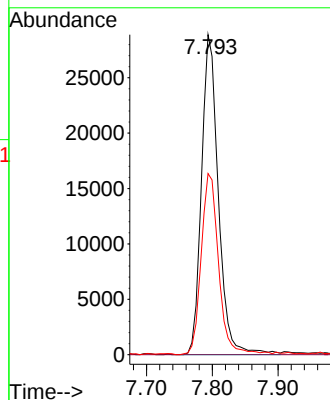
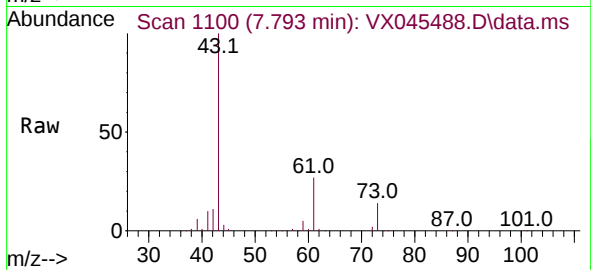




#48
Methyl methacrylate
Concen: 44.205 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

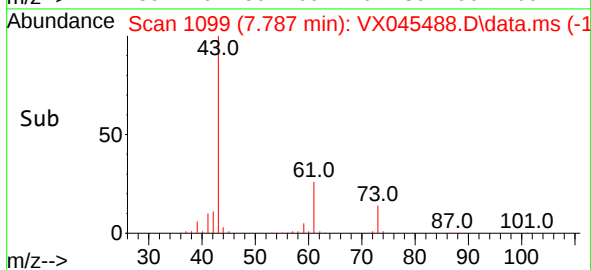
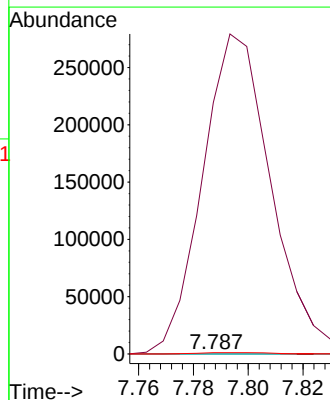
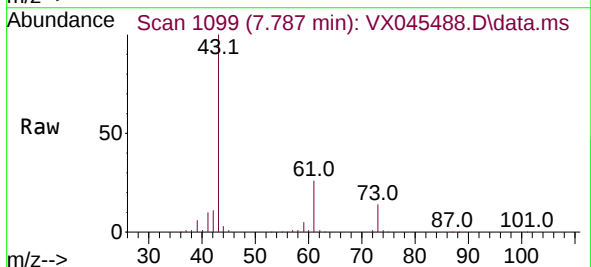
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

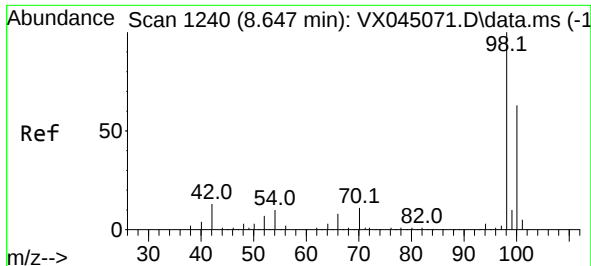
Tgt Ion: 41 Resp: 51518
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 58.6 47.5 71.3



#49
1,4-Dioxane
Concen: 1.668 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 1218948.8 28.7 43.1#
58 5843.9 55.8 83.8#

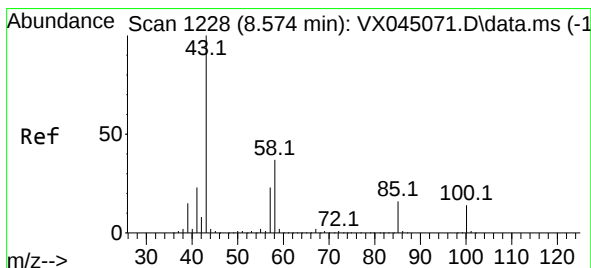
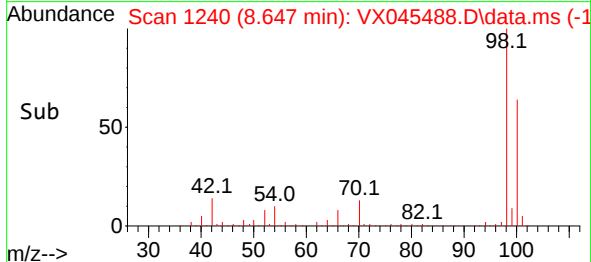
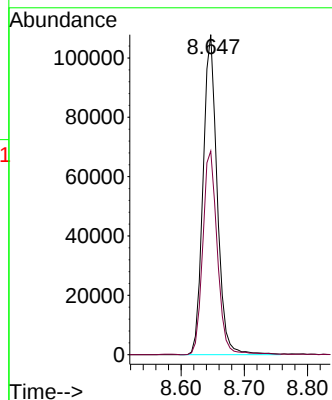
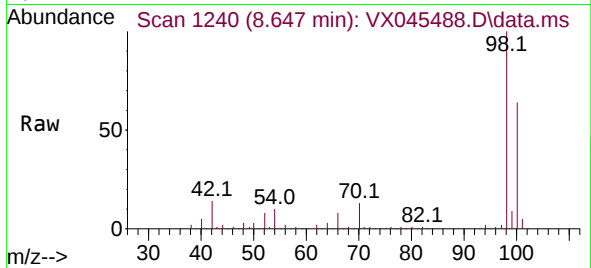




#50
Toluene-d8
Concen: 52.071 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

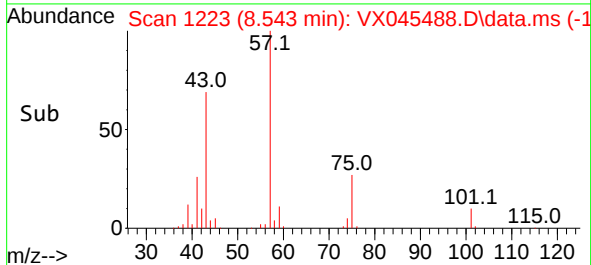
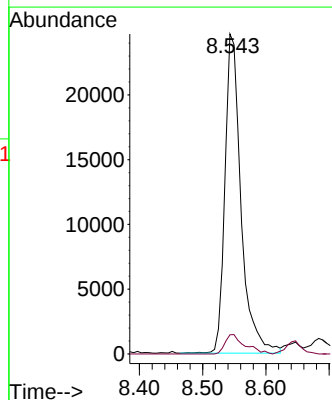
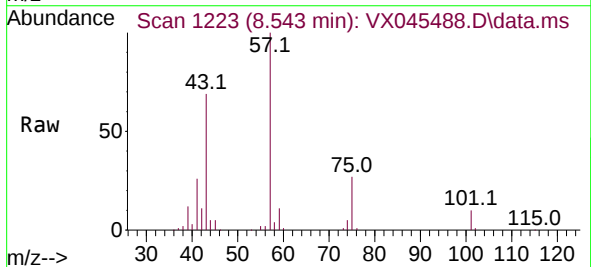
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

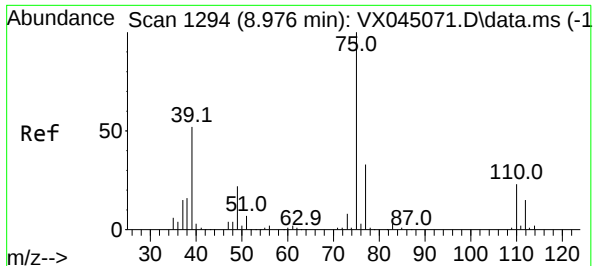
Tgt Ion: 98 Resp: 167821
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 27.738 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 43 Resp: 43266
Ion Ratio Lower Upper
43 100
58 7.5 29.2 43.8#





#53

t-1,3-Dichloropropene

Concen: 0.209 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045488.D

Acq: 27 Mar 2025 19:26

Instrument :

MSVOA_X

ClientSampleId :

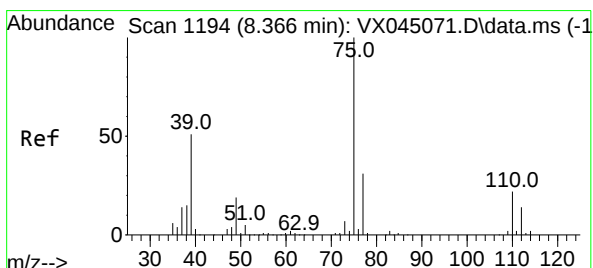
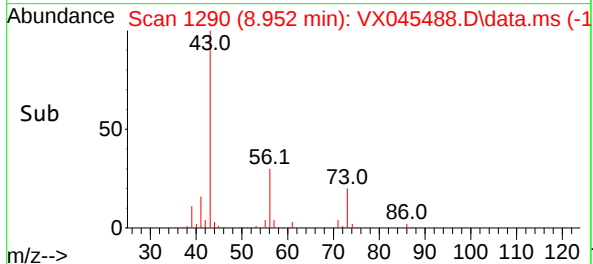
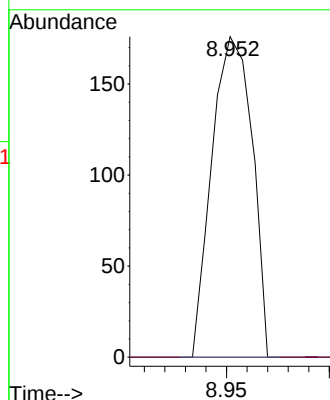
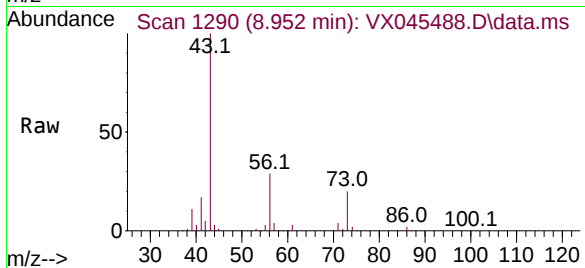
P167330ZHE#12

Tgt Ion: 75 Resp: 240

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#



#54

cis-1,3-Dichloropropene

Concen: 12.183 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045488.D

Acq: 27 Mar 2025 19:26

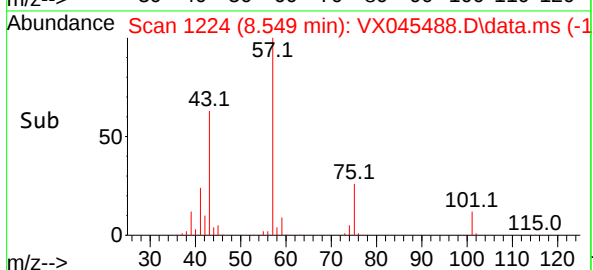
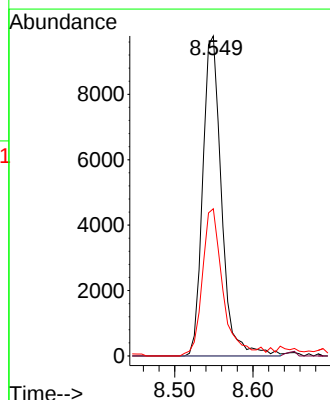
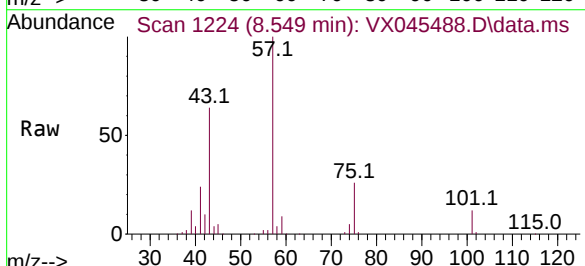
Tgt Ion: 75 Resp: 16299

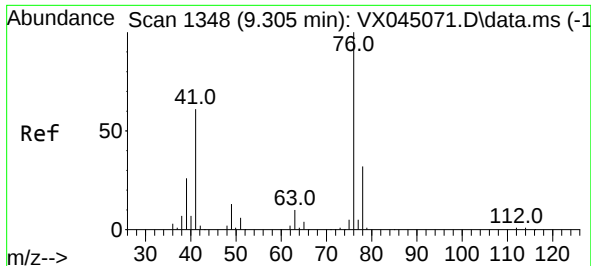
Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

39 46.0 40.7 61.1





#57

1,3-Dichloropropane

Concen: 1.083 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045488.D

Acq: 27 Mar 2025 19:26

Instrument :

MSVOA_X

ClientSampleId :

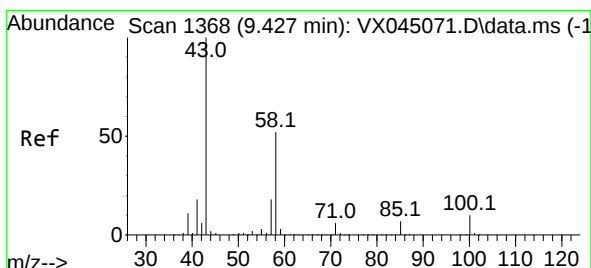
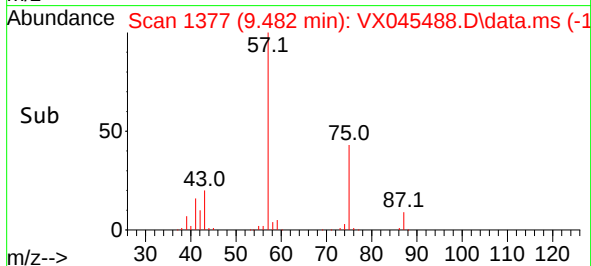
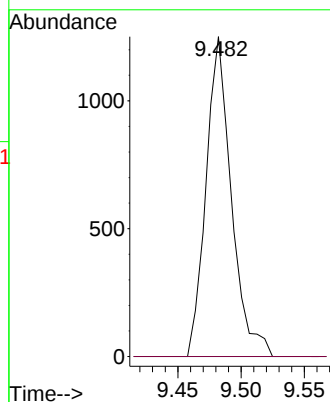
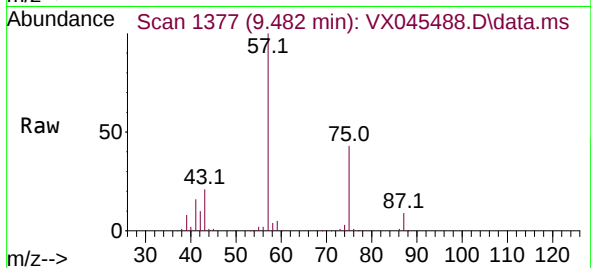
P167330ZHE#12

Tgt Ion: 76 Resp: 1743

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 9.459 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045488.D

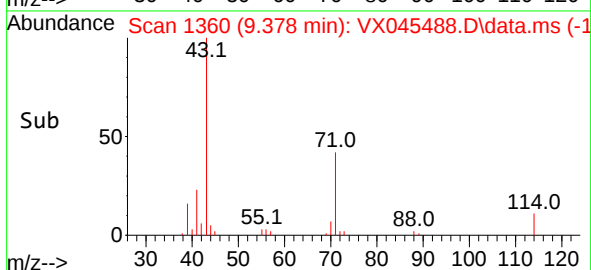
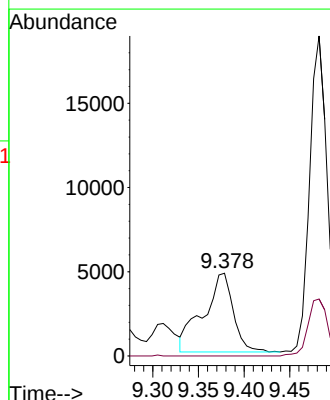
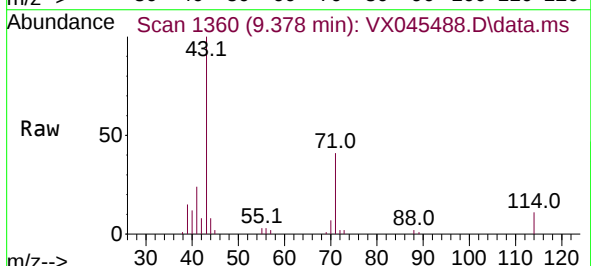
Acq: 27 Mar 2025 19:26

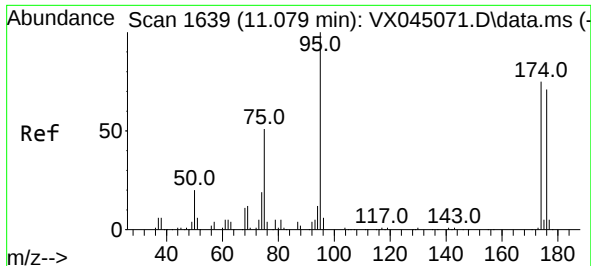
Tgt Ion: 43 Resp: 10690

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

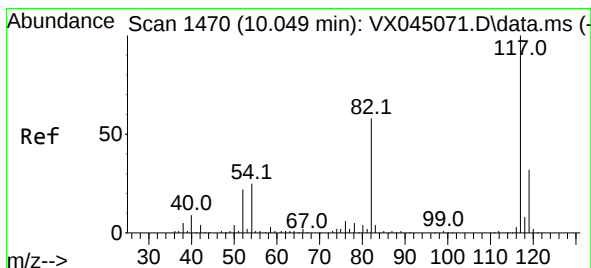
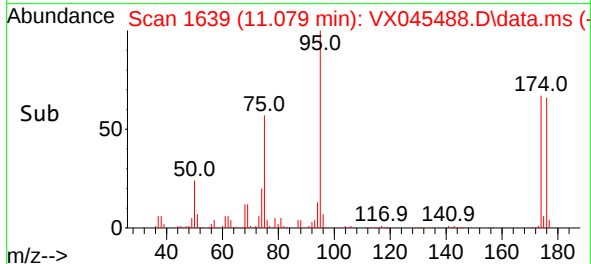
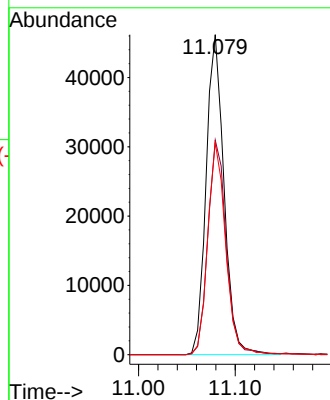
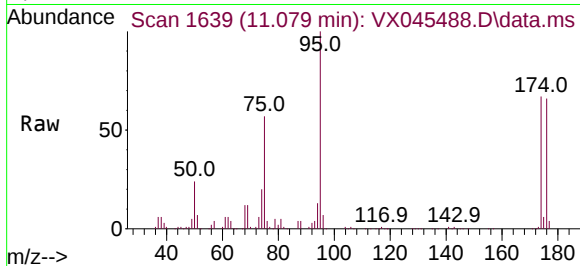




#62
4-Bromofluorobenzene
Concen: 55.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

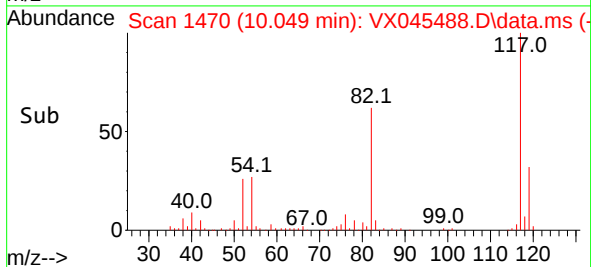
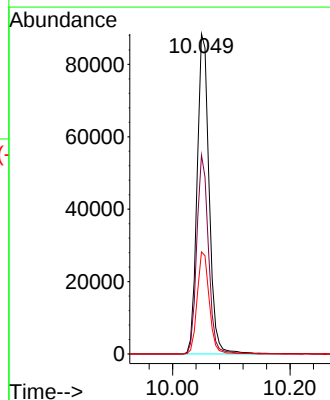
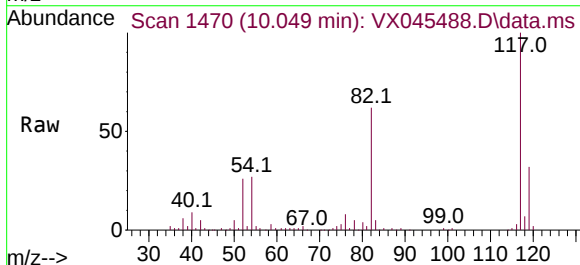
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

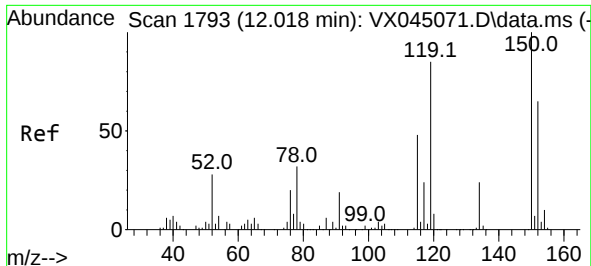
Tgt Ion: 95 Resp: 59553
Ion Ratio Lower Upper
95 100
174 68.6 0.0 148.2
176 66.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 117 Resp: 125323
Ion Ratio Lower Upper
117 100
82 62.1 46.3 69.5
119 31.9 25.7 38.5

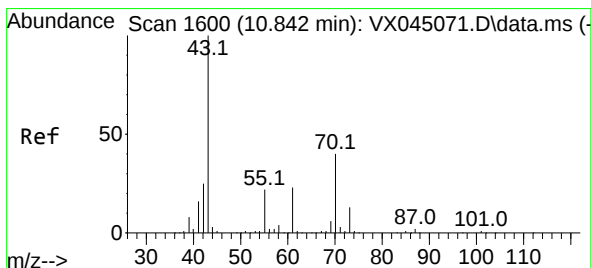
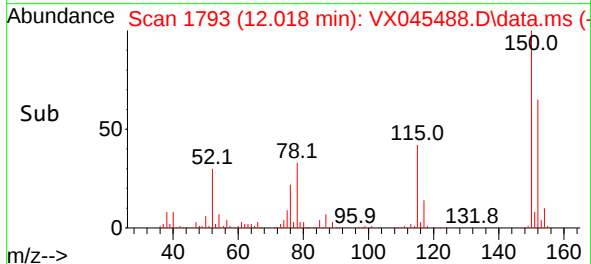
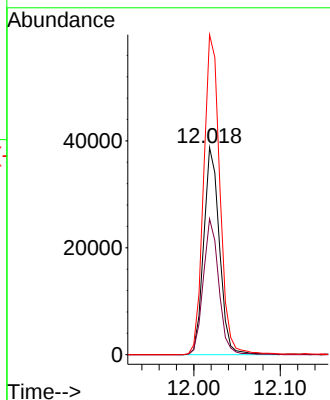
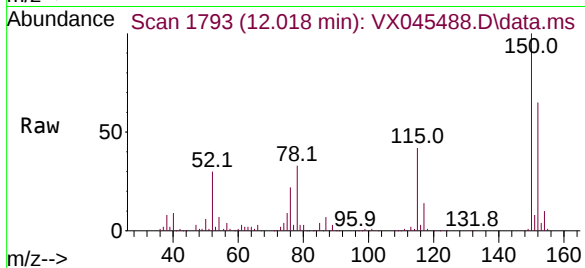




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

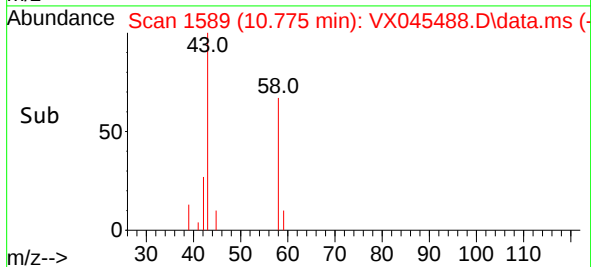
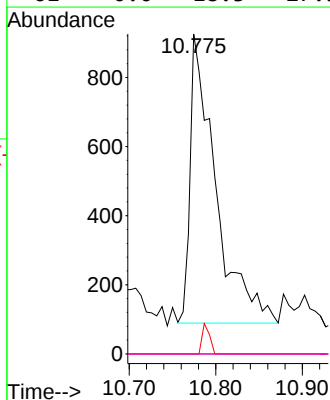
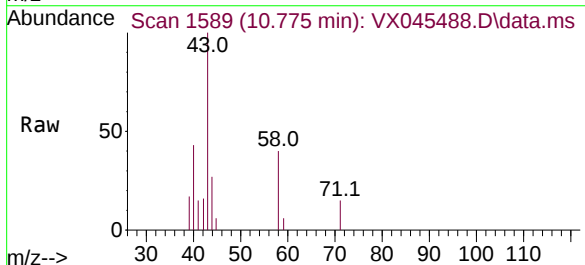
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

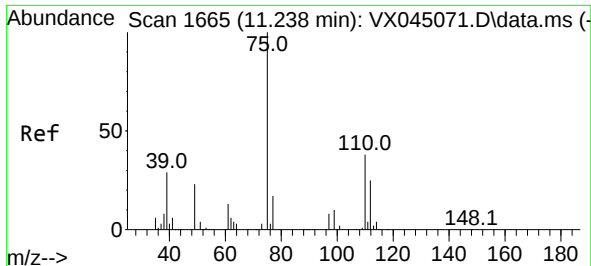
Tgt Ion:152 Resp: 48833
Ion Ratio Lower Upper
152 100
115 64.7 44.2 132.6
150 159.9 0.0 349.0



#74
N-ethyl acetate
Concen: 0.957 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 3.0 18.3 27.5#
61 0.0 18.3 27.5#

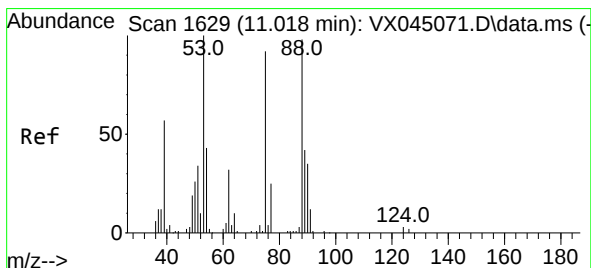
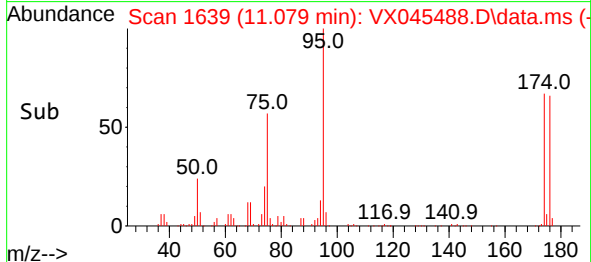
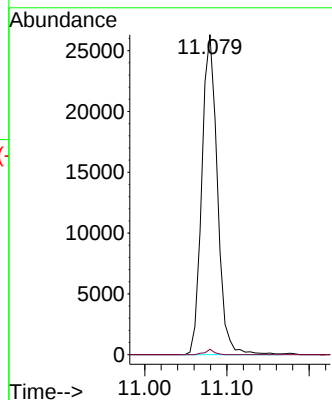
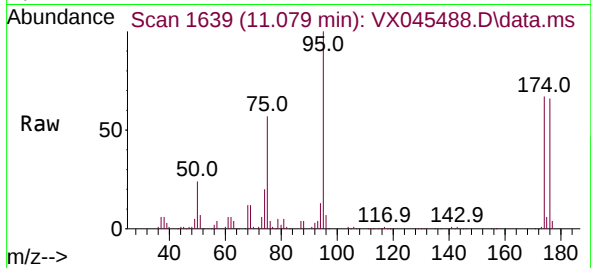




#76
1,2,3-Trichloropropane
Concen: 30.482 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#12

Tgt Ion: 75 Resp: 34646
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045488.D
Acq: 27 Mar 2025 19:26

Tgt Ion: 75 Resp: 34646
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

