

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045482.D
 Acq On : 27 Mar 2025 17:07
 Operator : JC/MD
 Sample : P167330ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#06

Quant Time: Mar 28 01:36:31 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)

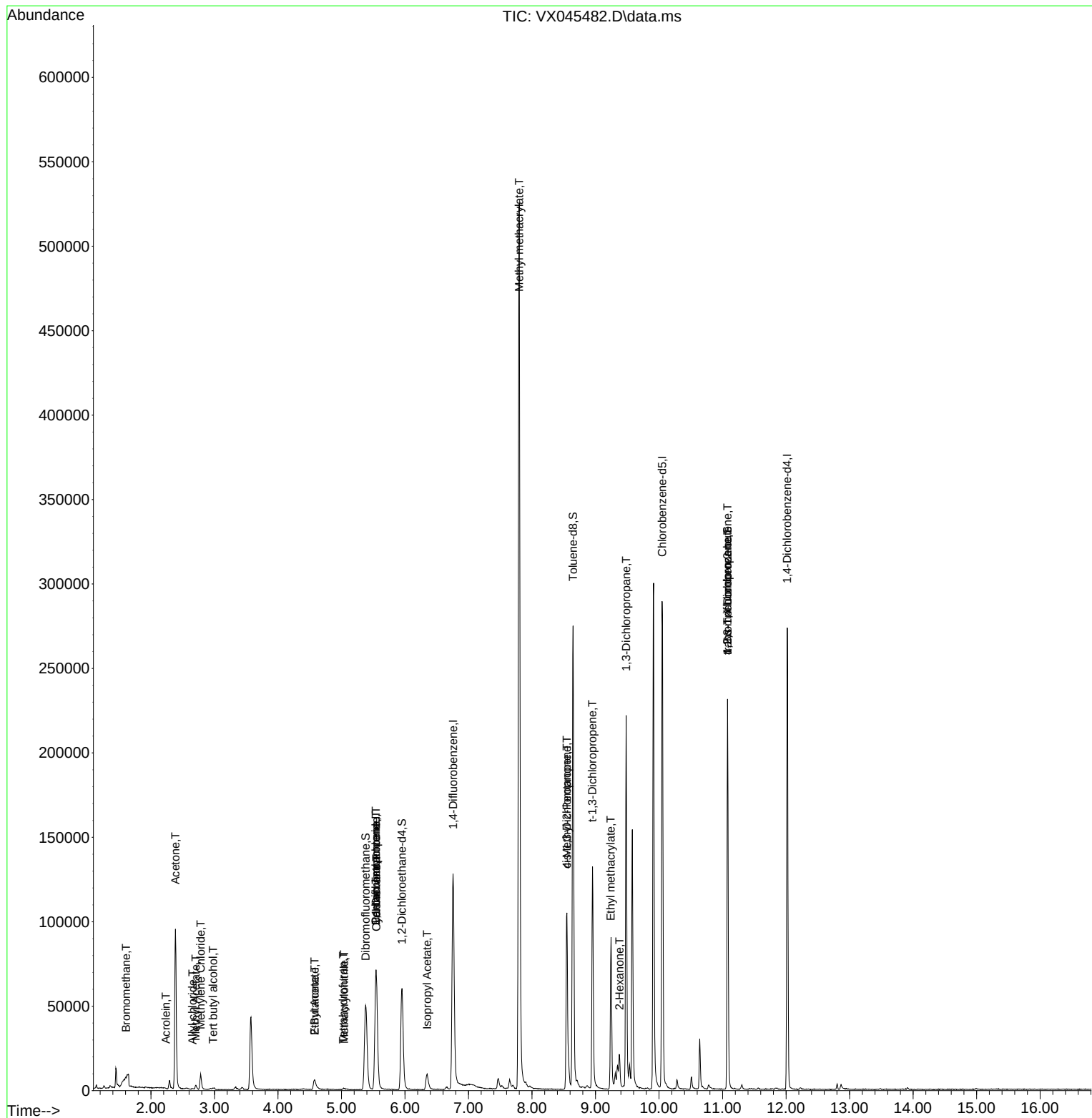
Internal Standards						
1) Pentafluorobenzene	5.543	168	62906	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	125666	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60733	60.696	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.400%	
35) Dibromofluoromethane	5.379	113	44625	53.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.220%	
50) Toluene-d8	8.646	98	158576	52.054	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.100%	
62) 4-Bromofluorobenzene	11.079	95	59115	58.560	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 117.120%	
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	129	0.341	ug/l	# 78
11) Tert butyl alcohol	2.977	59	1365	7.202	ug/l	98
13) Acrolein	2.233	56	80	0.365	ug/l	# 70
14) Allyl chloride	2.654	41	596	0.433	ug/l	# 25
16) Acetone	2.385	43	105517	227.283	ug/l	95
18) Methyl Acetate	2.702	43	3115	2.789	ug/l	93
20) Methylene Chloride	2.782	84	3689	4.011	ug/l	# 79
25) 2-Butanone	4.574	43	13103	18.750	ug/l	96
29) Tetrahydrofuran	5.025	42	287	0.612	ug/l	# 34
31) Cyclohexane	5.549	56	1789	1.314	ug/l	# 9
36) 1,1-Dichloropropene	5.543	75	6240	5.415	ug/l	# 48
37) Ethyl Acetate	4.574	43	13103	8.824	ug/l	# 70
38) Carbon Tetrachloride	5.543	117	6915	5.911	ug/l	# 16
41) Methacrylonitrile	5.043	41	322	0.401	ug/l	# 35
43) Isopropyl Acetate	6.348	43	14096	6.420	ug/l	96
48) Methyl methacrylate	7.799	41	51521	46.769	ug/l	# 48
51) 4-Methyl-2-Pentanone	8.549	43	46451	31.506	ug/l	# 46
53) t-1,3-Dichloropropene	8.951	75	317	0.292	ug/l	# 42
54) cis-1,3-Dichloropropene	8.549	75	16429	12.992	ug/l	# 71
56) Ethyl methacrylate	9.238	69	270	0.202	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	1914	1.258	ug/l	# 43
59) 2-Hexanone	9.378	43	16798	15.725	ug/l	# 26
76) 1,2,3-Trichloropropane	11.079	75	33346	28.489	ug/l	# 35
81) trans-1,4-Dichloro-2-b...	11.079	75	33346	97.493	ug/l	# 6

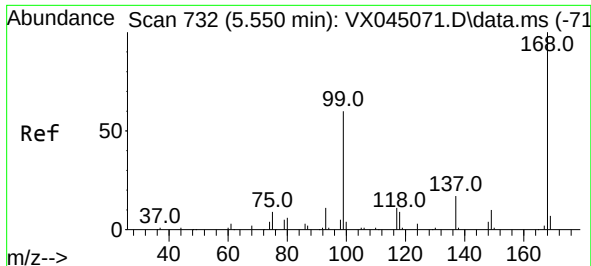
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

Quant Time: Mar 28 01:36:31 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

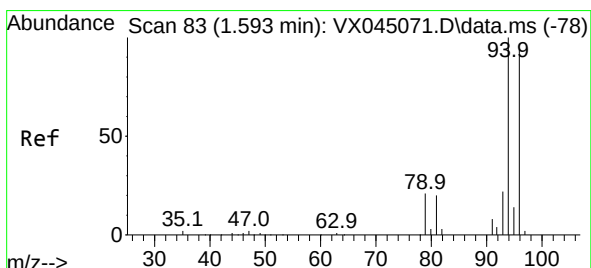
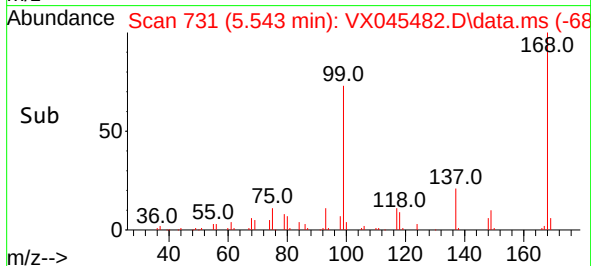
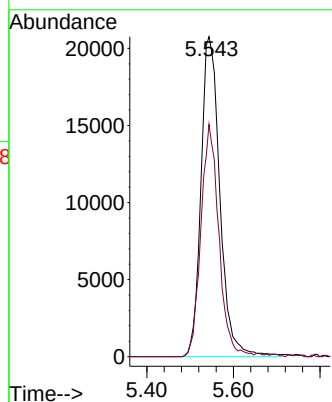
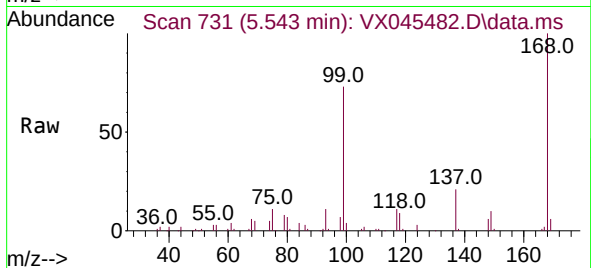




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

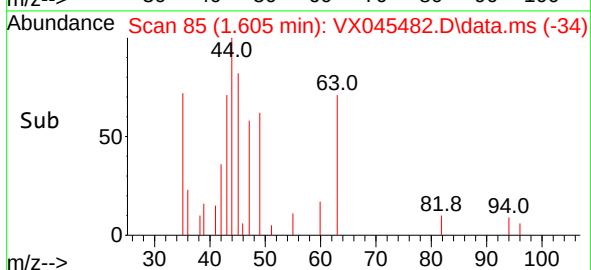
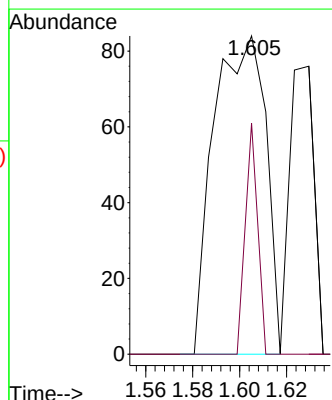
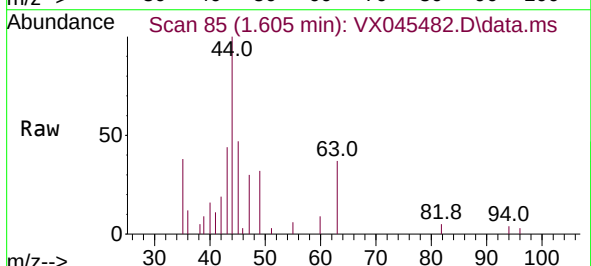
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

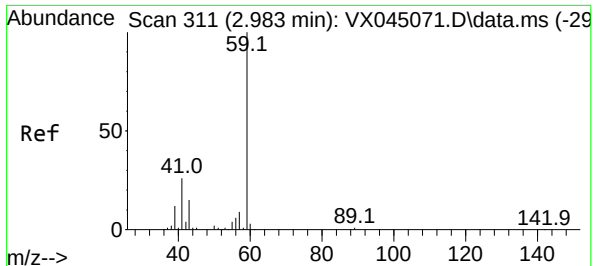
Tgt Ion:168 Resp: 62906
Ion Ratio Lower Upper
168 100
99 72.6 48.2 72.4#



#5
Bromomethane
Concen: 0.341 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion: 94 Resp: 129
Ion Ratio Lower Upper
94 100
96 72.6 75.0 112.4#





#11

Tert butyl alcohol

Concen: 7.202 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX045482.D

Acq: 27 Mar 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

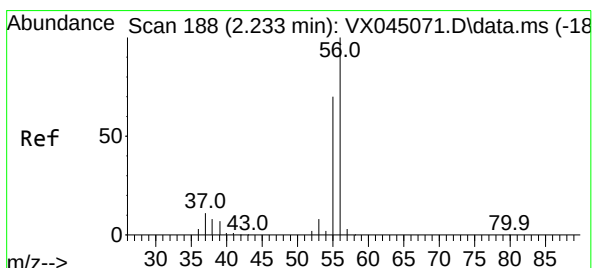
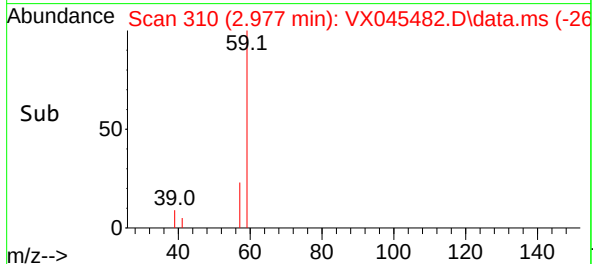
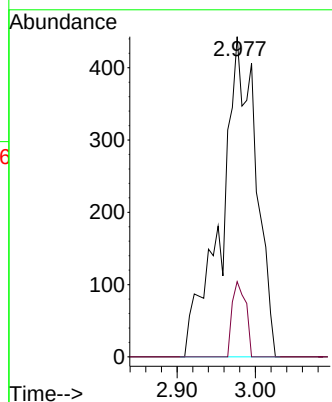
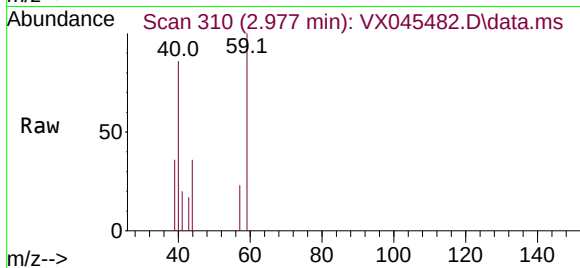
P167330ZHE#06

Tgt Ion: 59 Resp: 1365

Ion Ratio Lower Upper

59 100

57 9.1 7.8 11.8



#13

Acrolein

Concen: 0.365 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX045482.D

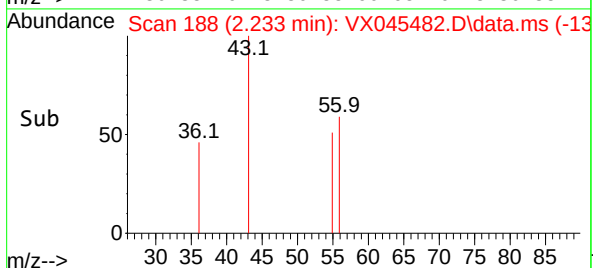
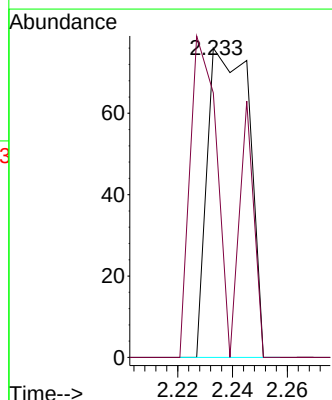
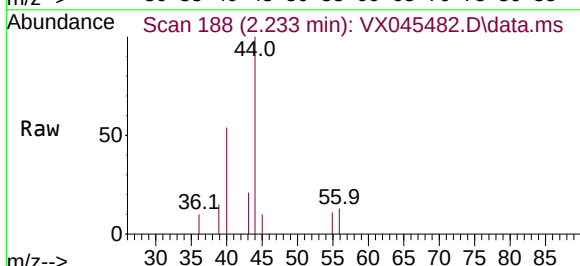
Acq: 27 Mar 2025 17:07

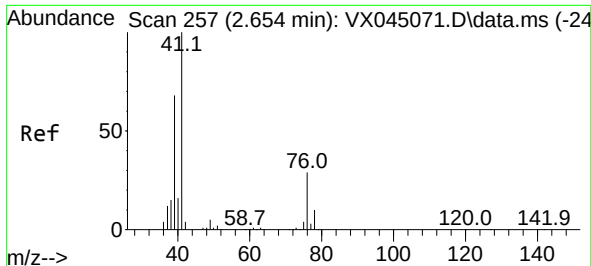
Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 95.0 56.2 84.4#

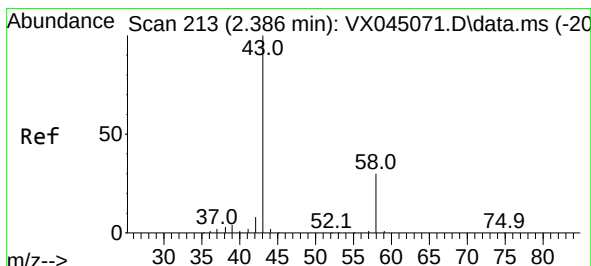
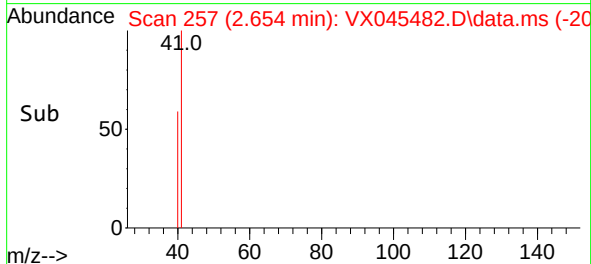
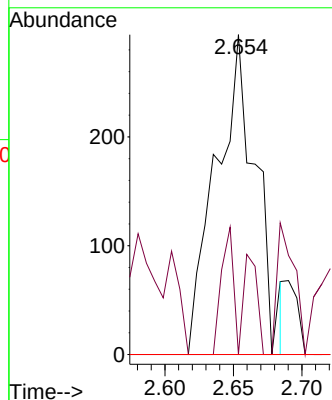
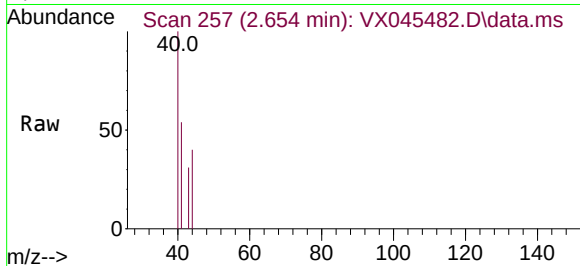




#14
 Allyl chloride
 Concen: 0.433 ug/l
 RT: 2.654 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045482.D
 Acq: 27 Mar 2025 17:07

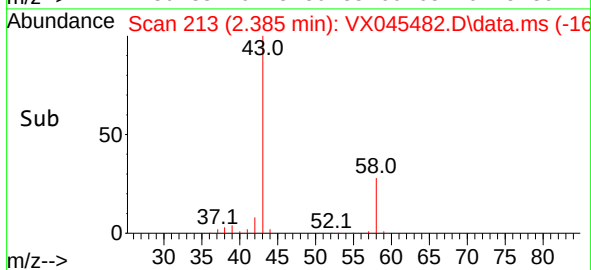
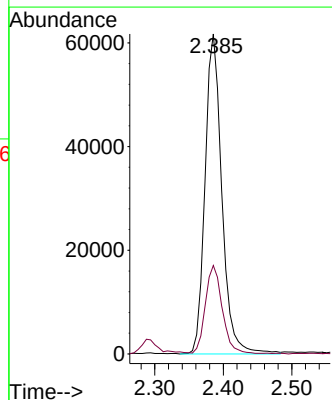
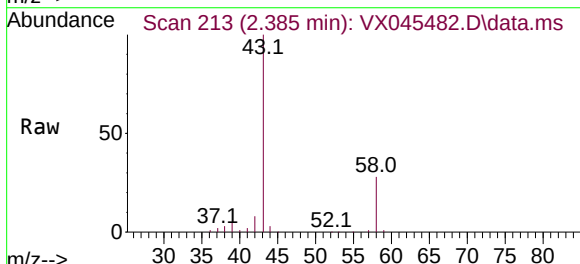
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#06

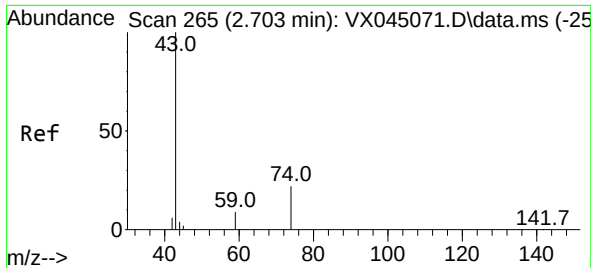
Tgt Ion:	41	Resp:	596
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.8	80.8#
76	0.0	25.2	37.8#



#16
 Acetone
 Concen: 227.283 ug/l
 RT: 2.385 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045482.D
 Acq: 27 Mar 2025 17:07

Tgt Ion:	43	Resp:	105517
Ion	Ratio	Lower	Upper
43	100		
58	27.5	24.2	36.4

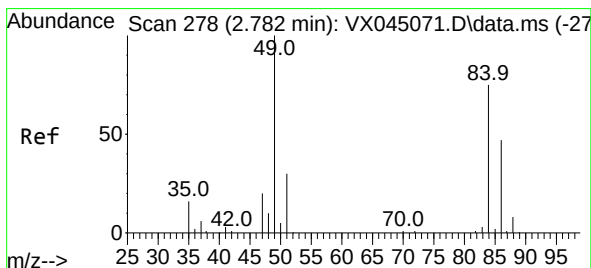
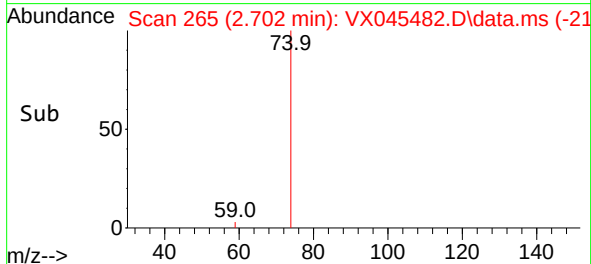
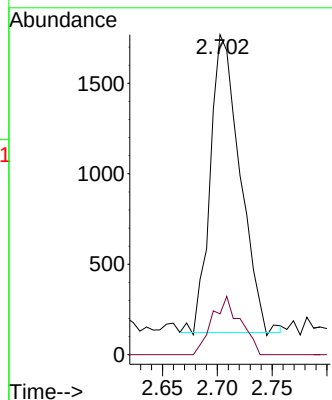
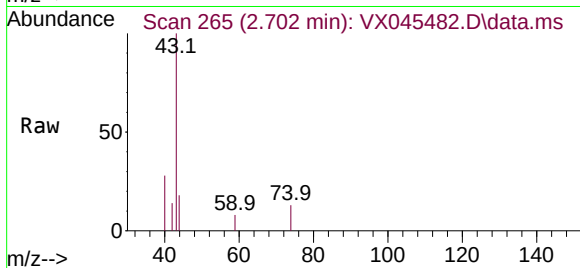




#18
Methyl Acetate
Concen: 2.789 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

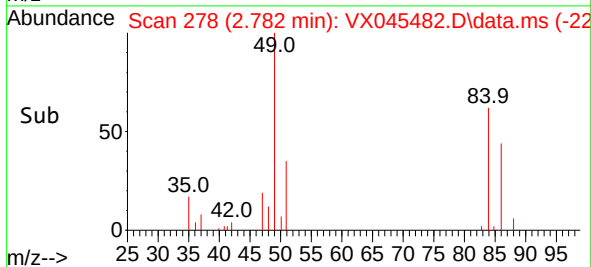
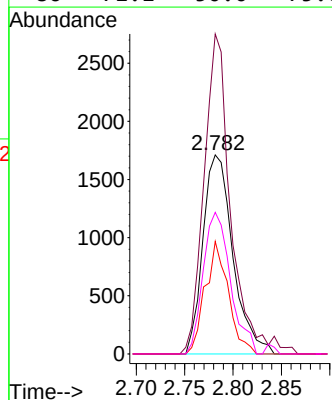
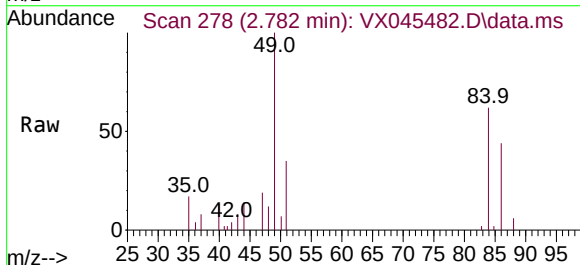
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

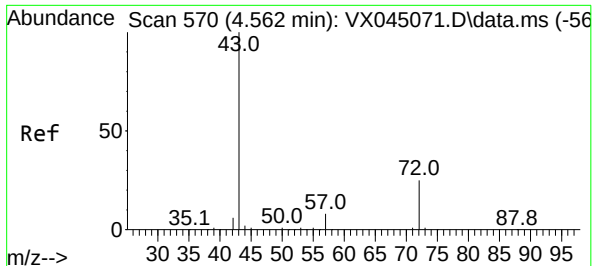
Tgt Ion: 43 Resp: 3115
Ion Ratio Lower Upper
43 100
74 18.5 17.4 26.2



#20
Methylene Chloride
Concen: 4.011 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion: 84 Resp: 3689
Ion Ratio Lower Upper
84 100
49 160.7 106.5 159.7#
51 56.5 32.1 48.1#
86 71.1 50.0 75.0

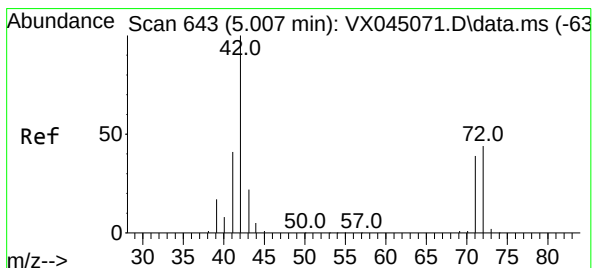
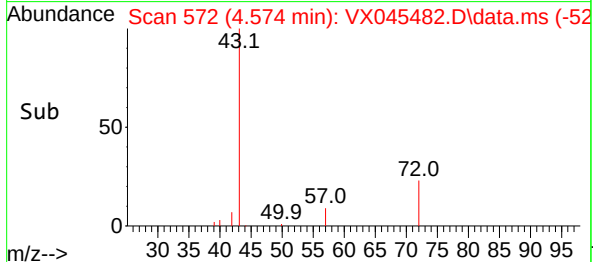
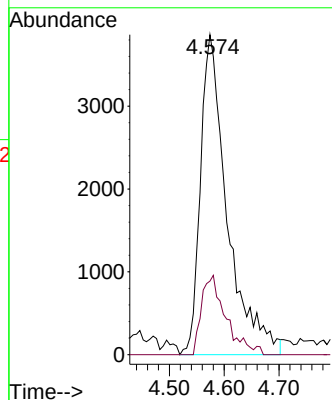
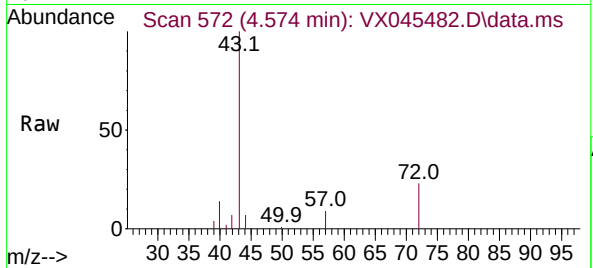




#25
2-Butanone
Concen: 18.750 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

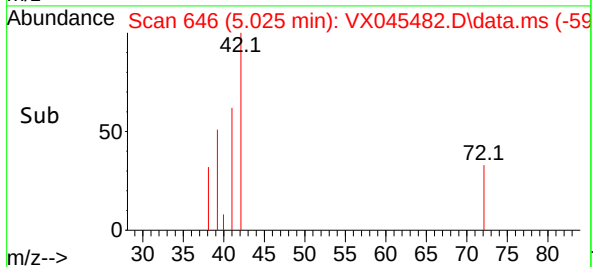
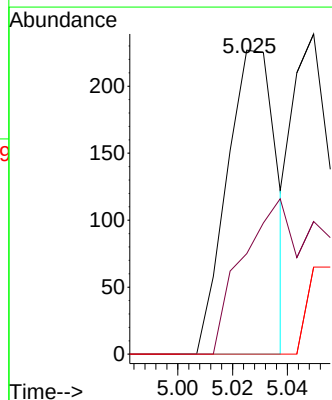
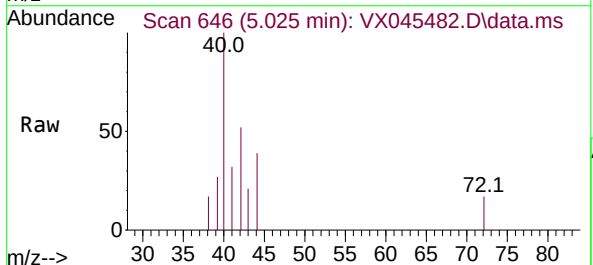
Instrument :
MSVOA_X
ClientSampleId :
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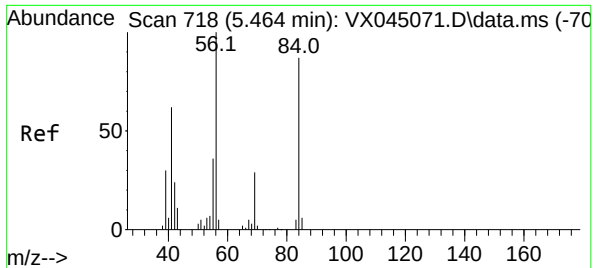
Tgt Ion: 43 Resp: 13103
Ion Ratio Lower Upper
43 100
72 23.0 20.0 30.0



#29
Tetrahydrofuran
Concen: 0.612 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

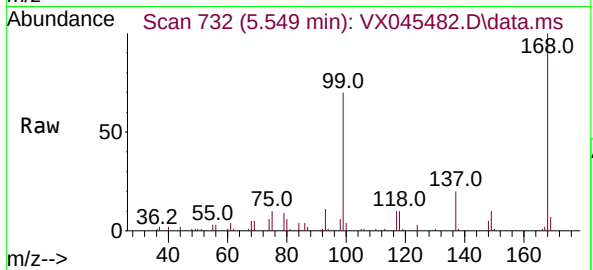
Tgt Ion: 42 Resp: 287
Ion Ratio Lower Upper
42 100
72 0.0 34.1 51.1#
71 0.0 31.4 47.0#



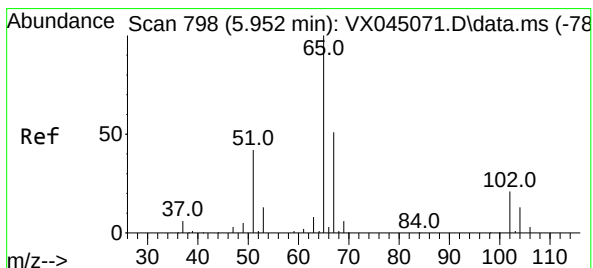
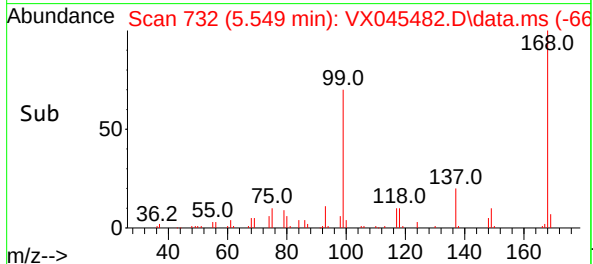
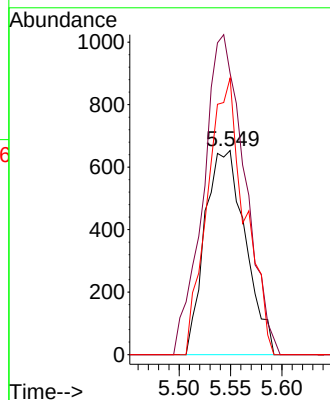


#31
Cyclohexane
Concen: 1.314 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

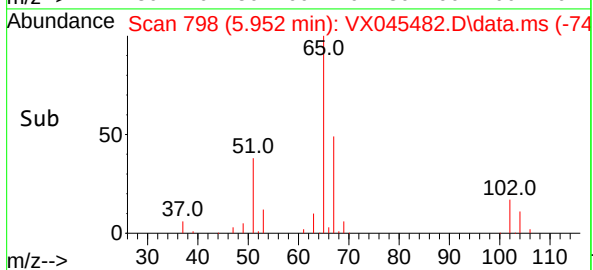
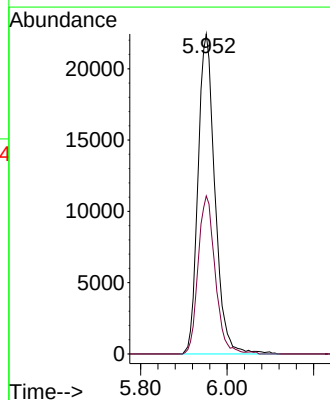
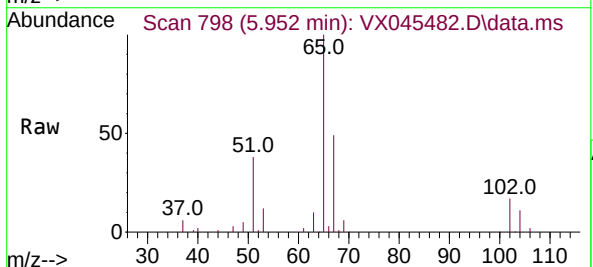


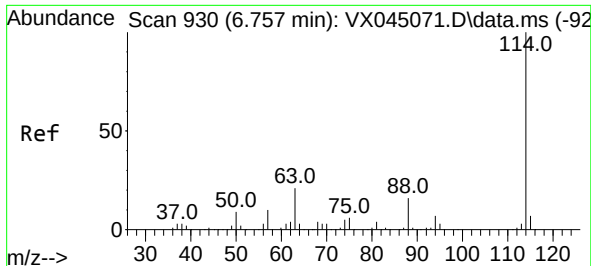
Tgt Ion: 56 Resp: 1789
Ion Ratio Lower Upper
56 100
69 137.8 23.4 35.2#
84 135.5 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 60.696 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion: 65 Resp: 60733
Ion Ratio Lower Upper
65 100
67 49.8 0.0 106.2

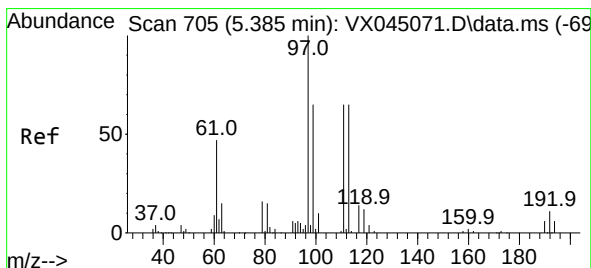
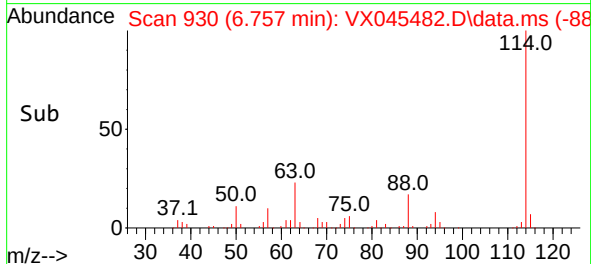
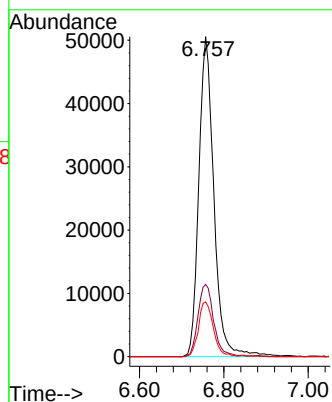
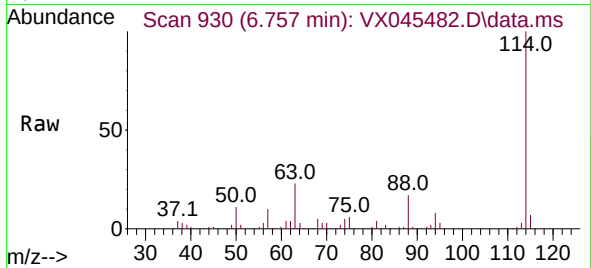




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

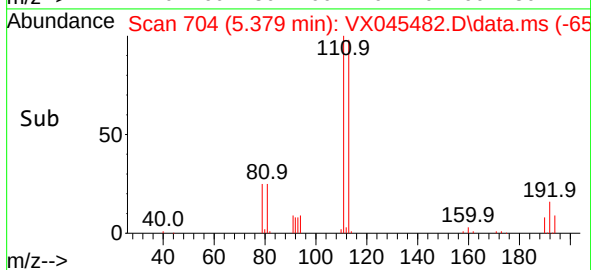
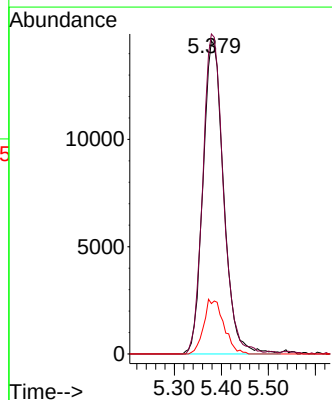
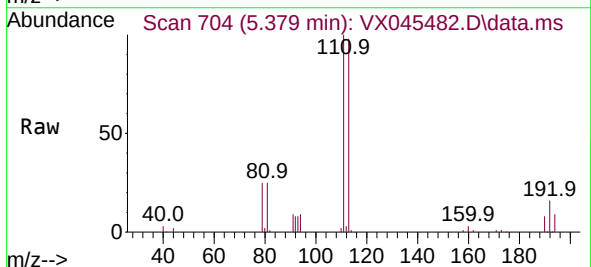
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MSVOA_X
ClientSampleId :
P167330ZHE#06

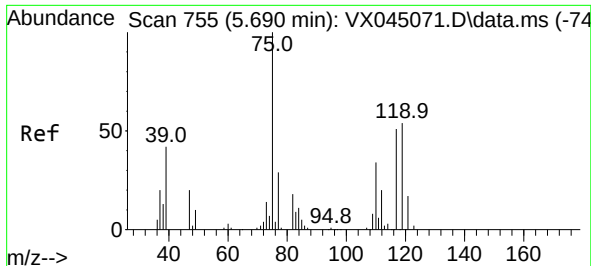
Tgt Ion:114 Resp: 125666
Ion Ratio Lower Upper
114 100
63 22.6 0.0 41.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.106 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion:113 Resp: 44625
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.6
192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.415 ug/l

RT: 5.543 min Scan# 71

Delta R.T. -0.147 min

Lab File: VX045482.D

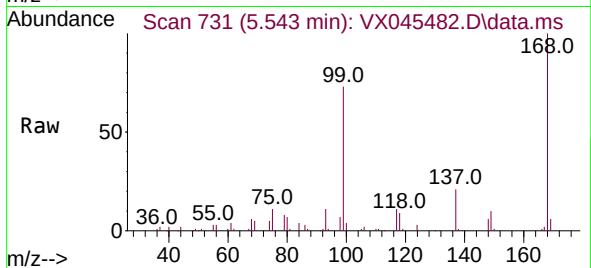
Acq: 27 Mar 2025 17:07

Instrument :

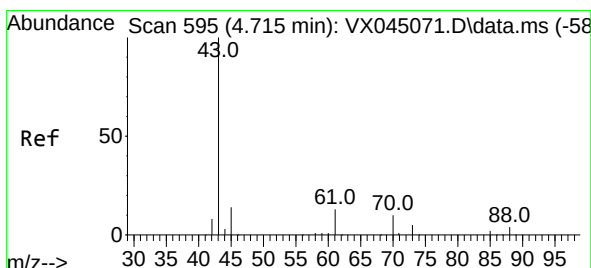
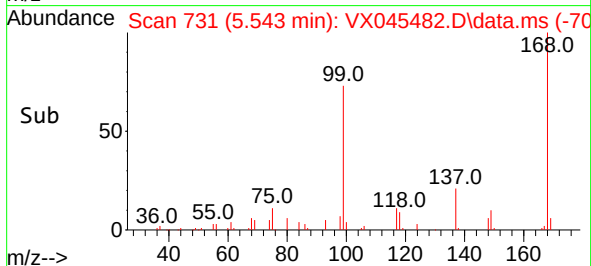
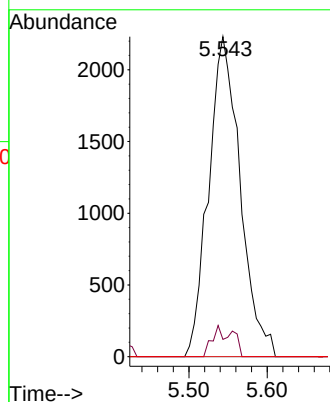
MSVOA_X

ClientSampleId :

P167330ZHE#06



Tgt Ion:	75	Resp:	6240
Ion	Ratio	Lower	Upper
75	100		
110	6.0	16.9	50.6#
77	0.0	24.5	36.7#



#37

Ethyl Acetate

Concen: 8.824 ug/l

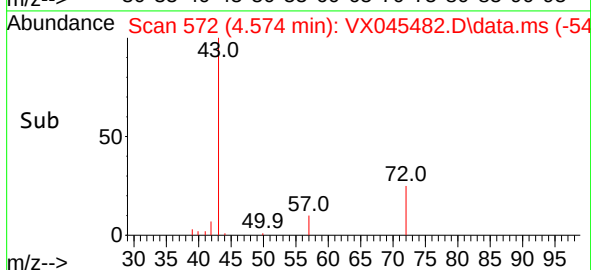
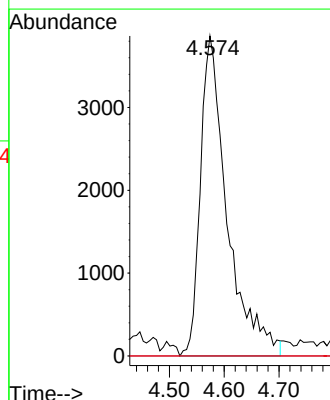
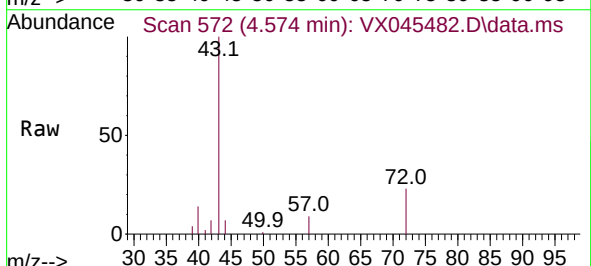
RT: 4.574 min Scan# 572

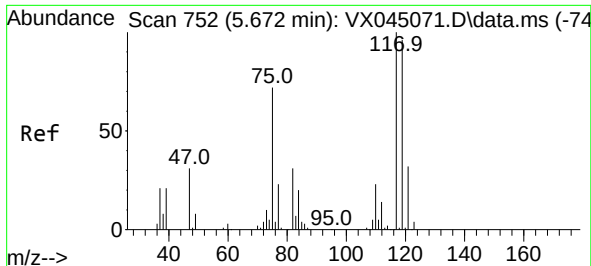
Delta R.T. -0.141 min

Lab File: VX045482.D

Acq: 27 Mar 2025 17:07

Tgt Ion:	43	Resp:	13103
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.7	11.5#

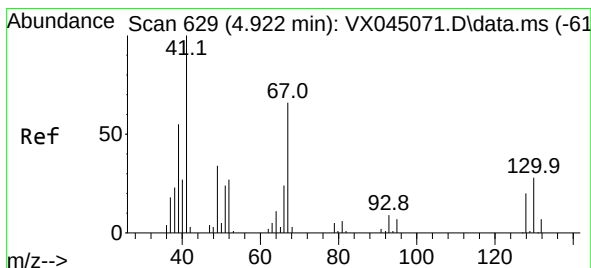
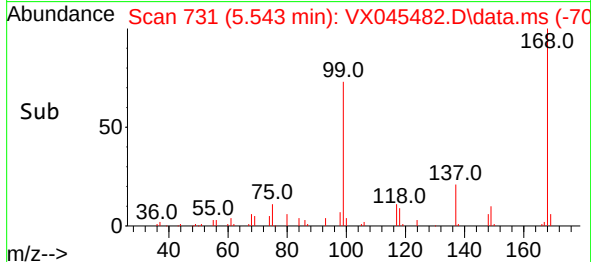
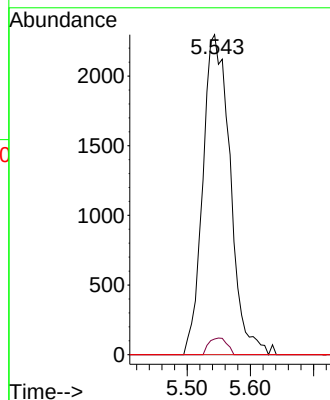
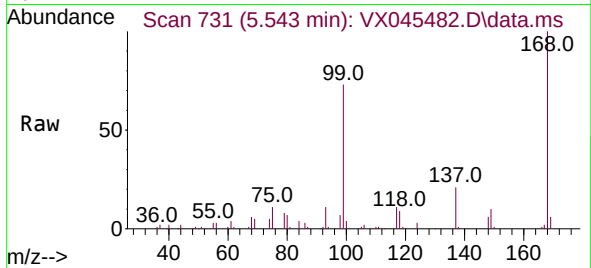




#38
Carbon Tetrachloride
Concen: 5.911 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

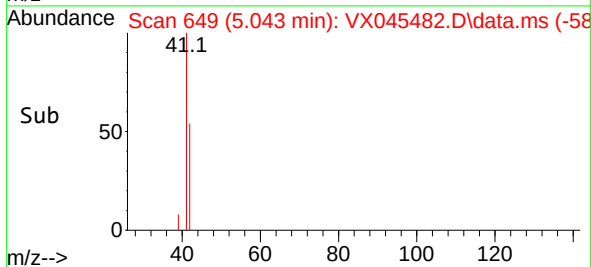
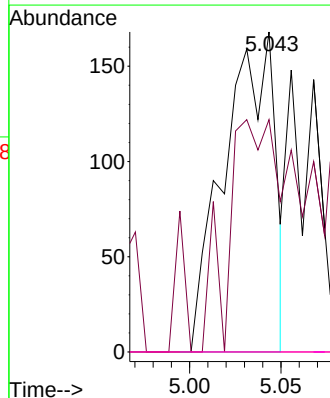
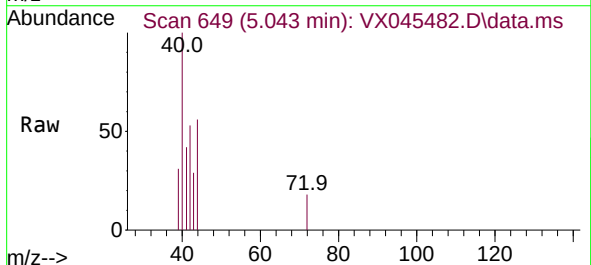
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

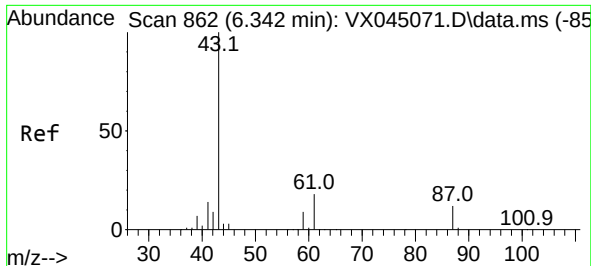
Tgt Ion:117 Resp: 6915
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: 0.401 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion: 41 Resp: 322
Ion Ratio Lower Upper
41 100
39 91.0 44.6 67.0#
67 0.0 53.9 80.9#
52 0.0 23.3 34.9#

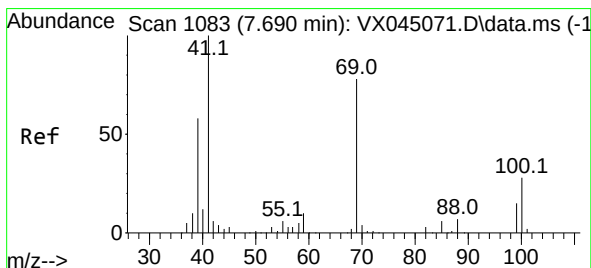
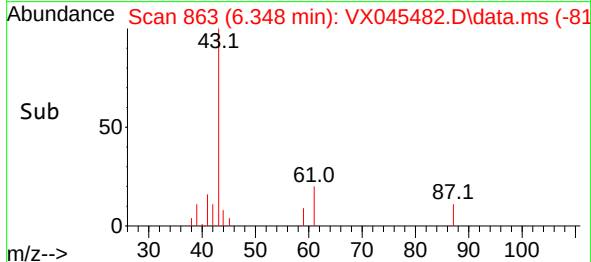
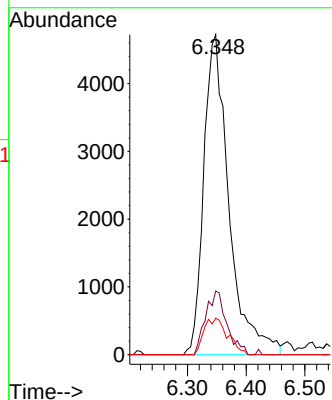
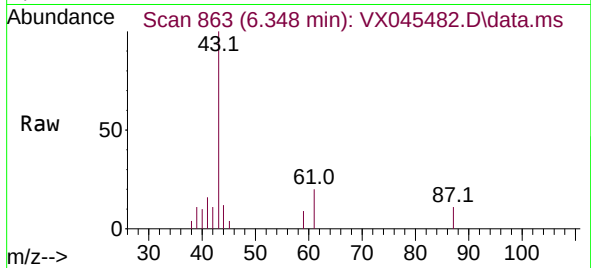




#43
Isopropyl Acetate
Concen: 6.420 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

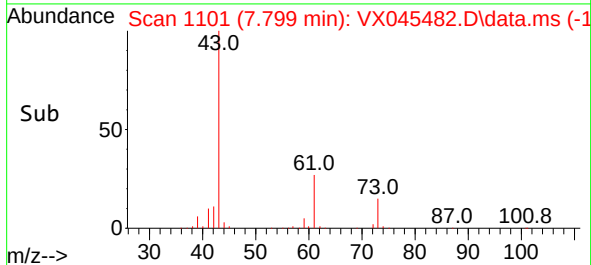
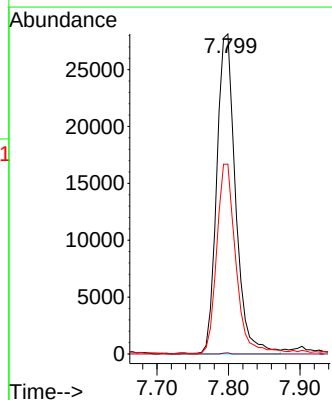
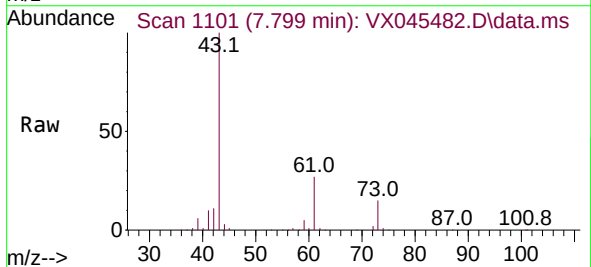
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

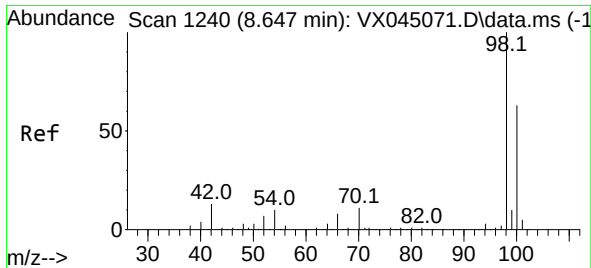
Tgt Ion: 43 Resp: 14096
Ion Ratio Lower Upper
43 100
61 16.6 14.9 22.3
87 10.8 9.4 14.2



#48
Methyl methacrylate
Concen: 46.769 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion: 41 Resp: 51521
Ion Ratio Lower Upper
41 100
69 0.1 63.0 94.6#
39 60.4 47.5 71.3

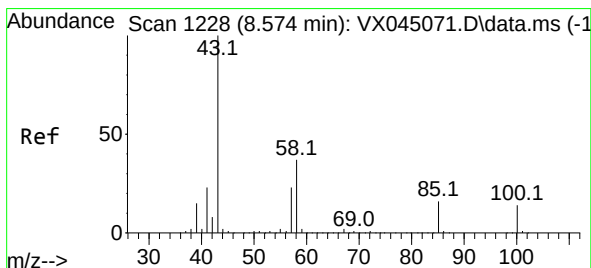
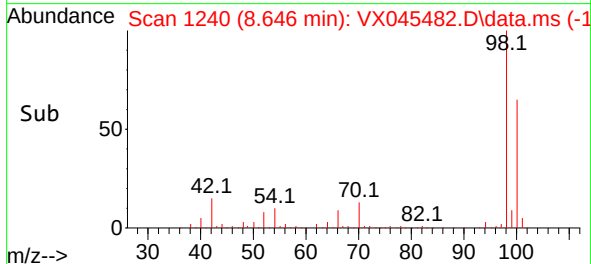
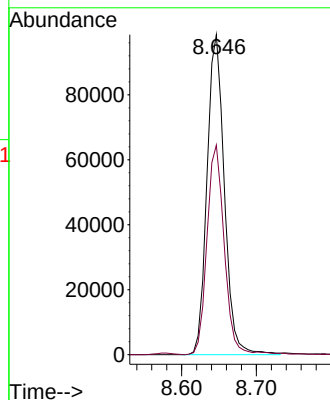
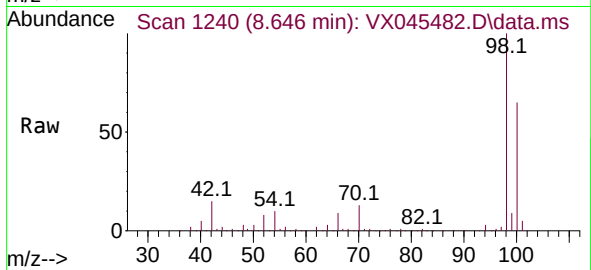




#50
Toluene-d8
Concen: 52.054 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

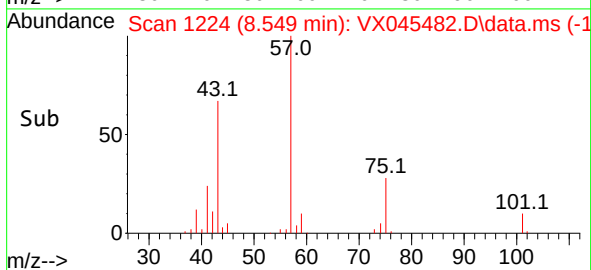
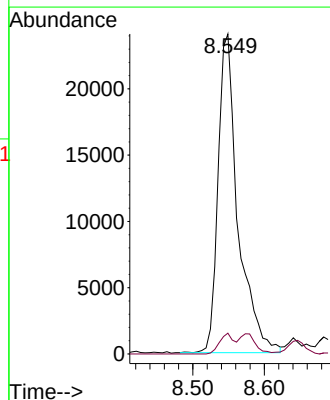
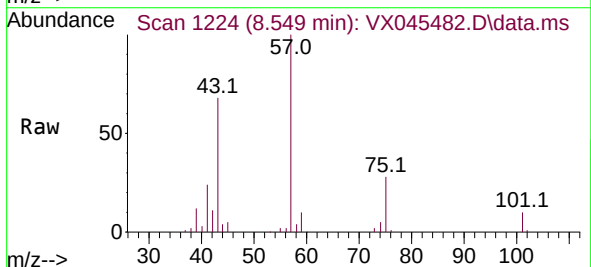
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

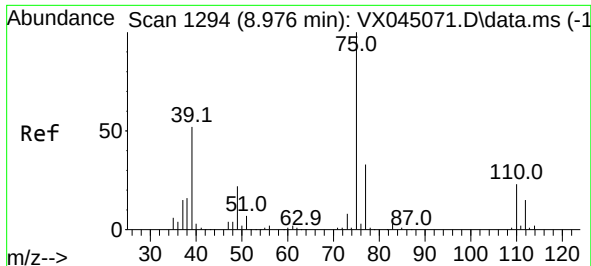
Tgt Ion: 98 Resp: 158576
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 31.506 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion: 43 Resp: 46451
Ion Ratio Lower Upper
43 100
58 4.8 29.2 43.8#

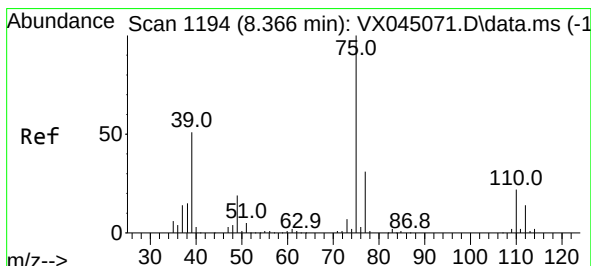
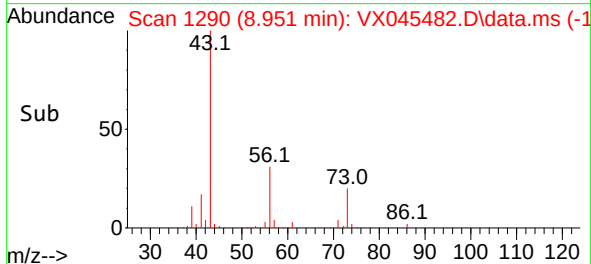
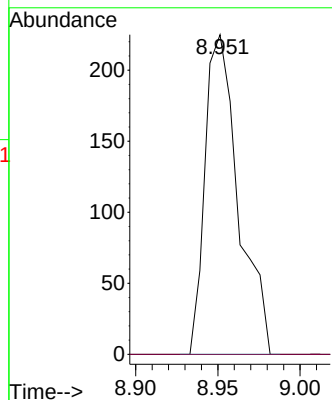
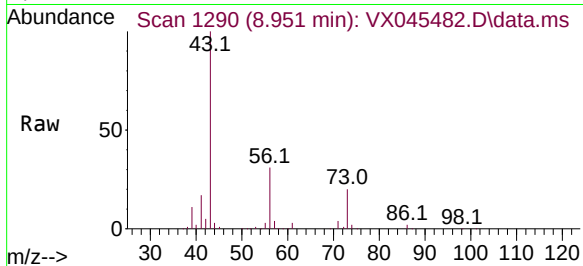




#53
 t-1,3-Dichloropropene
 Concen: 0.292 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX045482.D
 Acq: 27 Mar 2025 17:07

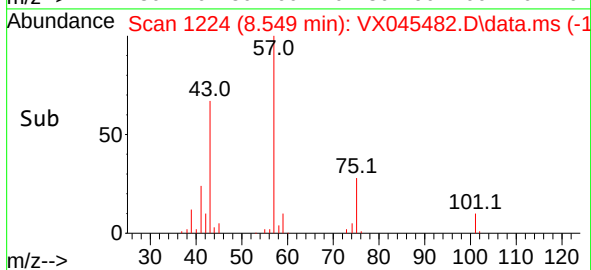
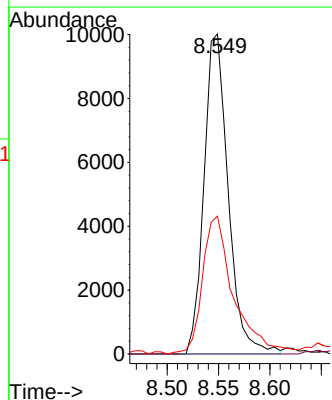
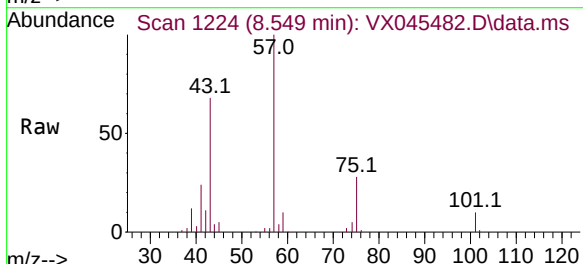
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#06

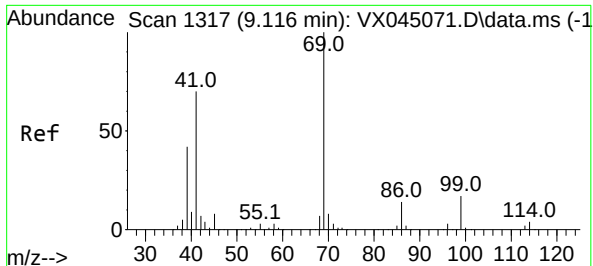
Tgt Ion: 75 Resp: 317
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#



#54
 cis-1,3-Dichloropropene
 Concen: 12.992 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045482.D
 Acq: 27 Mar 2025 17:07

Tgt Ion: 75 Resp: 16429
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 42.2 40.7 61.1





#56

Ethyl methacrylate

Concen: 0.202 ug/l

RT: 9.238 min Scan# 1

Delta R.T. 0.122 min

Lab File: VX045482.D

Acq: 27 Mar 2025 17:07

Instrument :

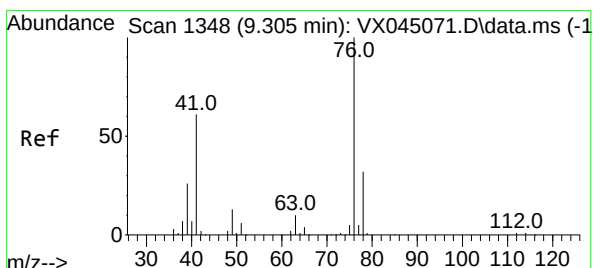
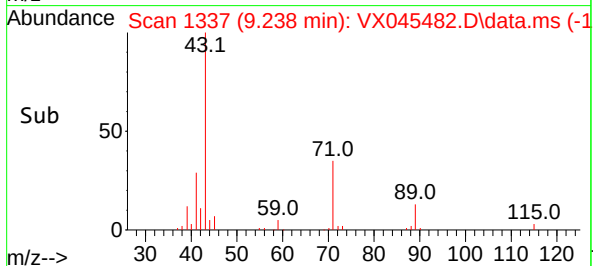
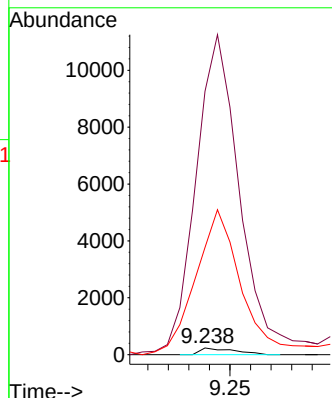
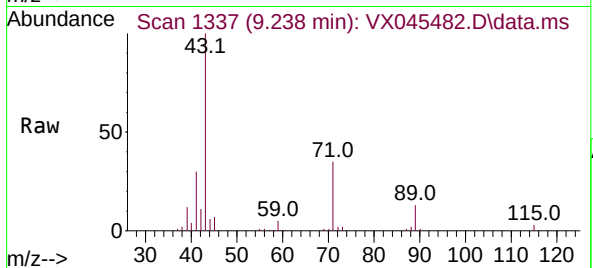
MSVOA_X

ClientSampleId :

P167330ZHE#06

Tgt Ion: 69 Resp: 270

Ion	Ratio	Lower	Upper
69	100		
41	6299.3	57.0	85.4#
39	2978.1	34.2	51.4#



#57

1,3-Dichloropropane

Concen: 1.258 ug/l

RT: 9.482 min Scan# 1377

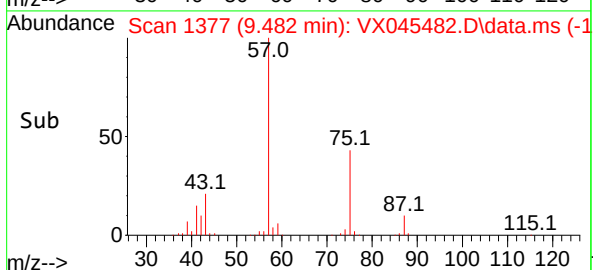
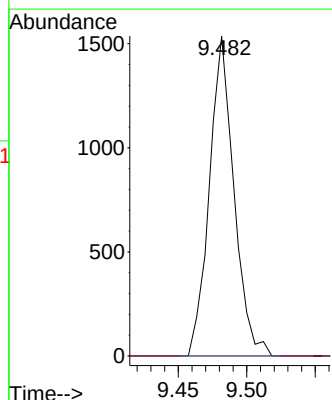
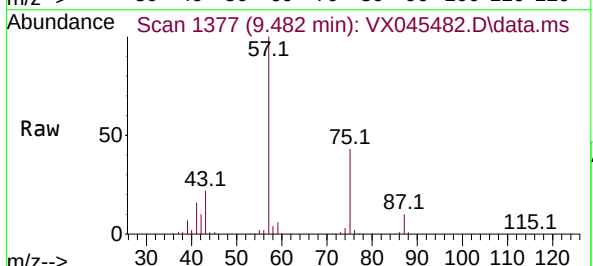
Delta R.T. 0.176 min

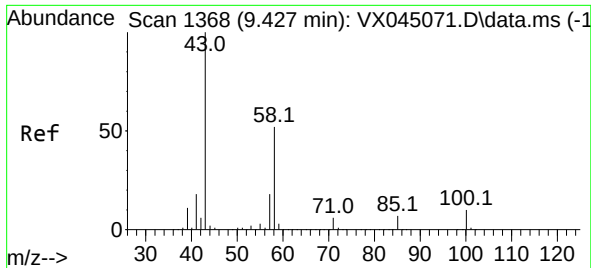
Lab File: VX045482.D

Acq: 27 Mar 2025 17:07

Tgt Ion: 76 Resp: 1914

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.5	38.3#

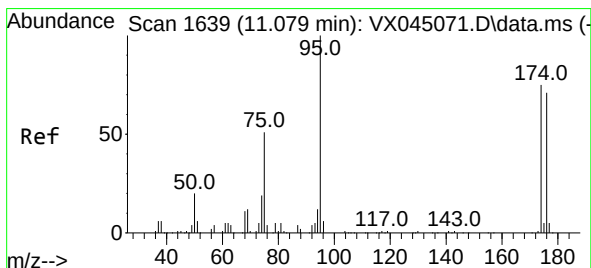
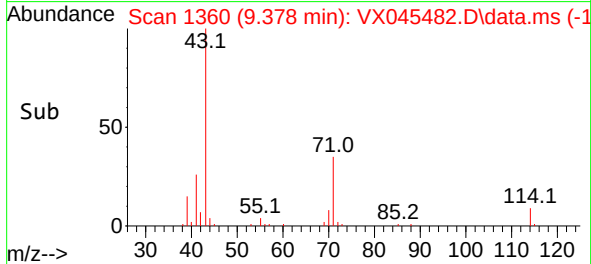
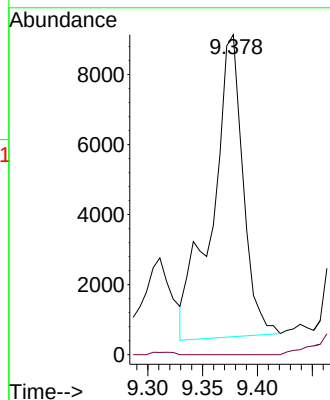
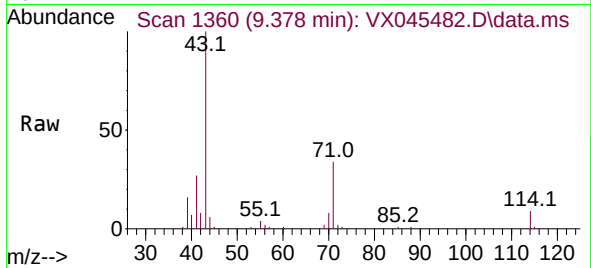




#59
2-Hexanone
Concen: 15.725 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

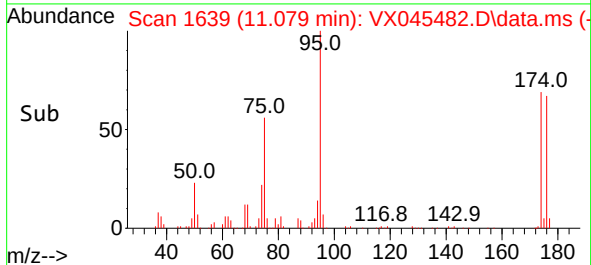
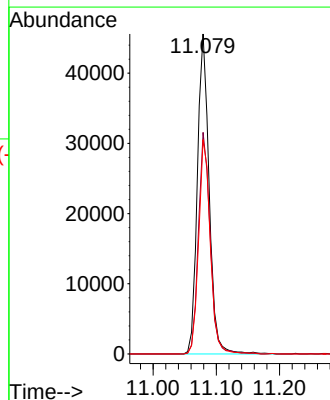
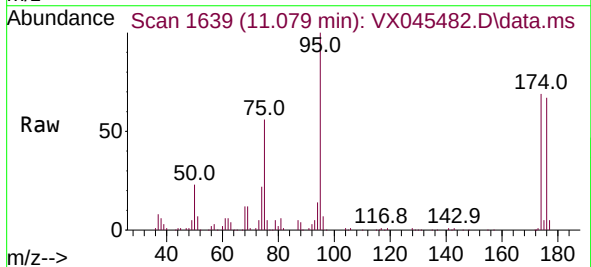
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

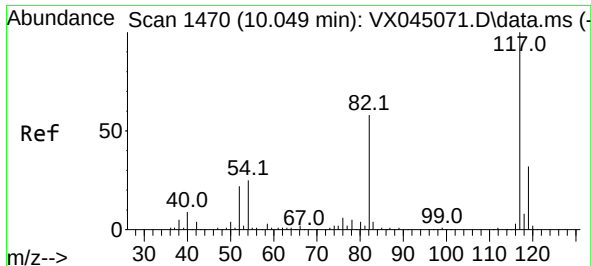
Tgt Ion: 43 Resp: 16798
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 58.560 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion: 95 Resp: 59115
Ion Ratio Lower Upper
95 100
174 68.9 0.0 148.2
176 66.5 0.0 141.4

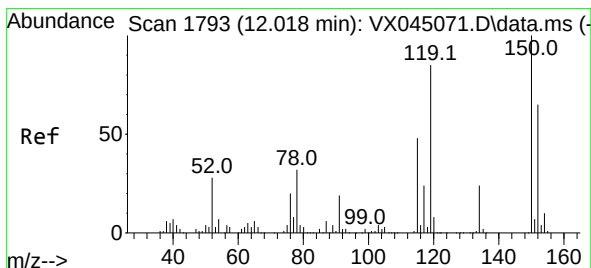
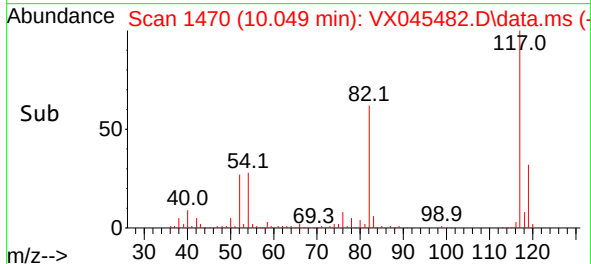
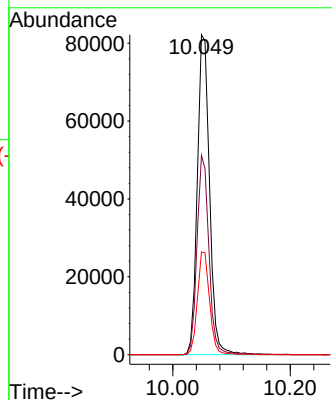
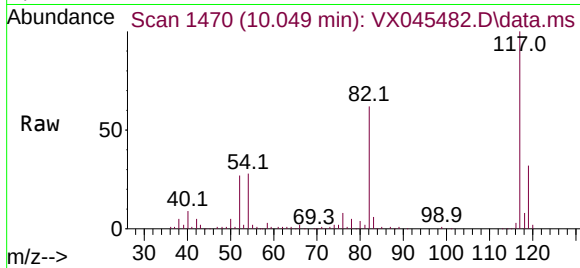




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

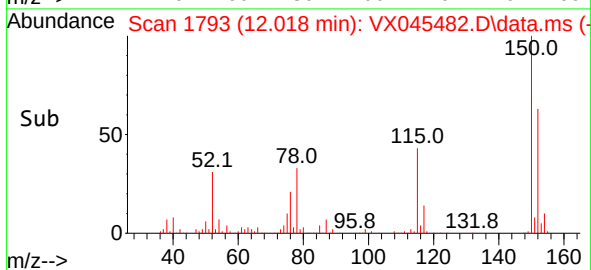
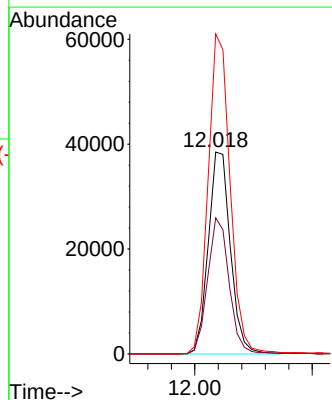
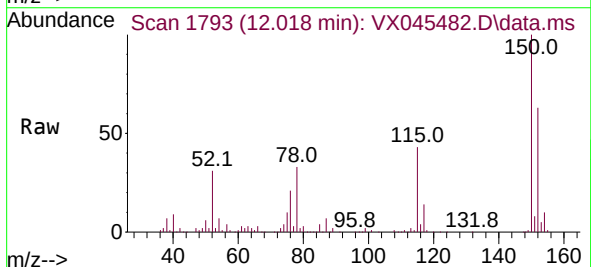
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

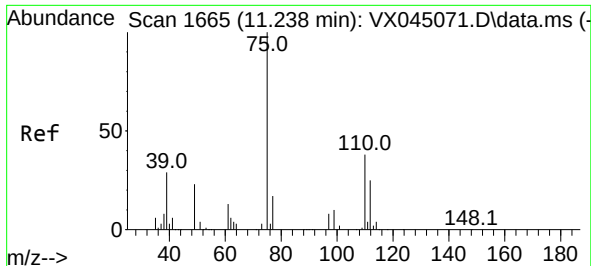
Tgt Ion:117 Resp: 118846
Ion Ratio Lower Upper
117 100
82 62.3 46.3 69.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion:152 Resp: 50290
Ion Ratio Lower Upper
152 100
115 65.9 44.2 132.6
150 158.1 0.0 349.0

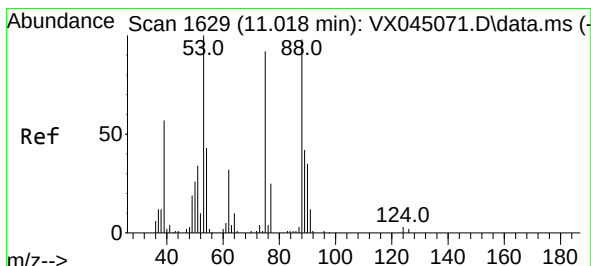
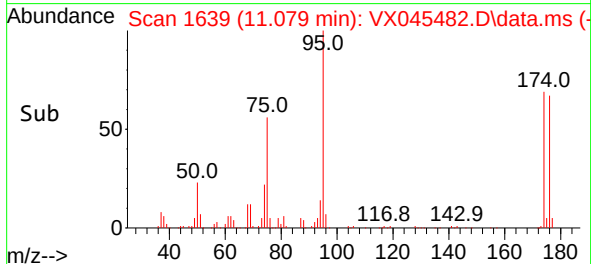
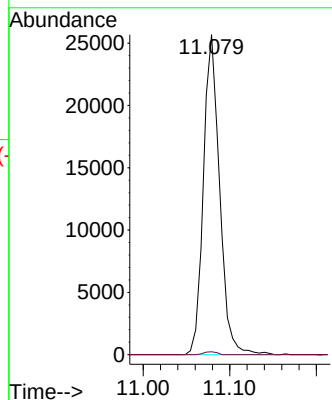
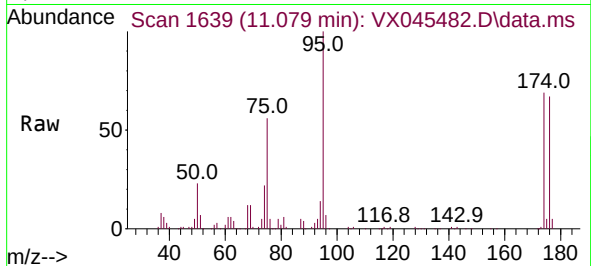




#76
1,2,3-Trichloropropane
Concen: 28.489 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#06

Tgt Ion: 75 Resp: 33346
Ion Ratio Lower Upper
75 100
77 0.7 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.493 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045482.D
Acq: 27 Mar 2025 17:07

Tgt Ion: 75 Resp: 33346
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.2 36.2 54.4#

