

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045484.D
 Acq On : 27 Mar 2025 17:53
 Operator : JC/MD
 Sample : P167330ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#08

Quant Time: Mar 28 01:36:56 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)

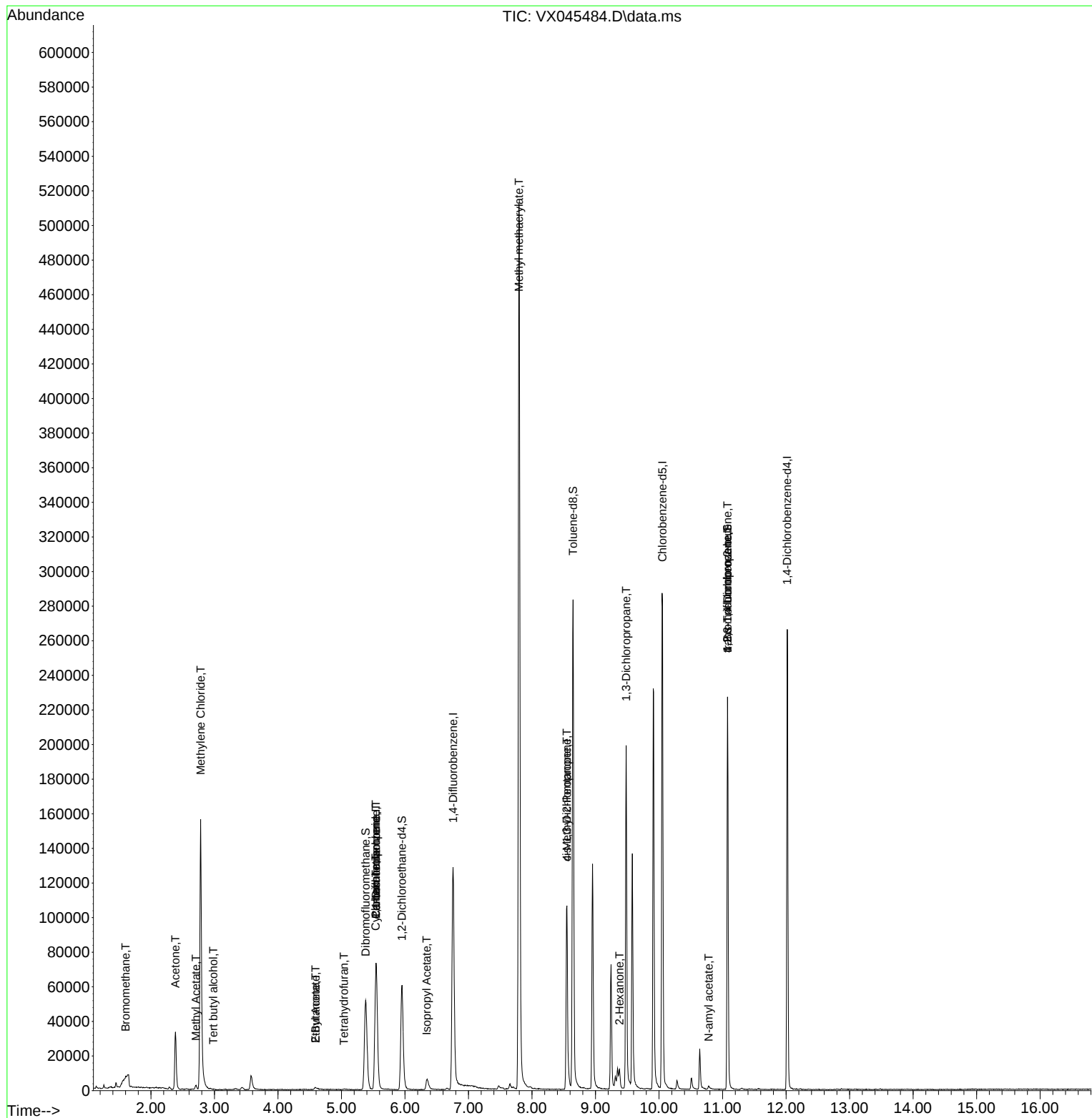
Internal Standards						
1) Pentafluorobenzene	5.544	168	62959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126118	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60041	59.954	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.900%
35) Dibromofluoromethane	5.379	113	45849	54.367	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.740%
50) Toluene-d8	8.647	98	162026	52.996	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.000%
62) 4-Bromofluorobenzene	11.079	95	58466	57.710	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	115.420%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	85	0.225	ug/l #	3
11) Tert butyl alcohol	2.983	59	230	1.212	ug/l #	73
16) Acetone	2.386	43	37132	79.915	ug/l	94
18) Methyl Acetate	2.709	43	3493	3.125	ug/l #	90
20) Methylene Chloride	2.782	84	69328	75.323	ug/l	98
25) 2-Butanone	4.593	43	2930	4.189	ug/l	95
29) Tetrahydrofuran	5.038	42	105	0.224	ug/l #	65
31) Cyclohexane	5.538	56	1956	1.436	ug/l #	40
36) 1,1-Dichloropropene	5.544	75	6169	5.334	ug/l #	48
37) Ethyl Acetate	4.593	43	2930	1.966	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7437	6.334	ug/l #	15
43) Isopropyl Acetate	6.342	43	9020	4.093	ug/l	99
48) Methyl methacrylate	7.793	41	49931	45.164	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	42952	29.029	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	16530	13.025	ug/l #	73
57) 1,3-Dichloropropane	9.482	76	1722	1.128	ug/l #	43
59) 2-Hexanone	9.378	43	10526	9.818	ug/l #	26
74) N-amyl acetate	10.781	43	1725	0.969	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	34401	30.394	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	34401	104.013	ug/l #	6

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

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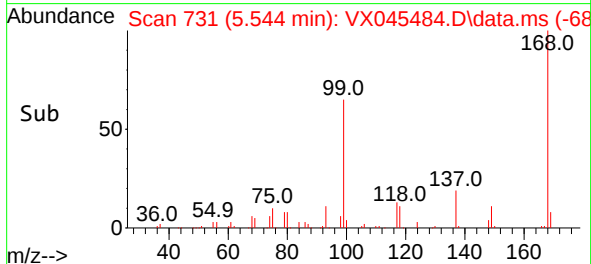
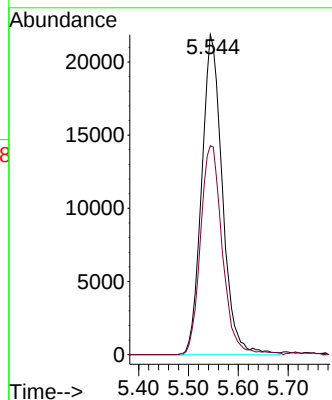
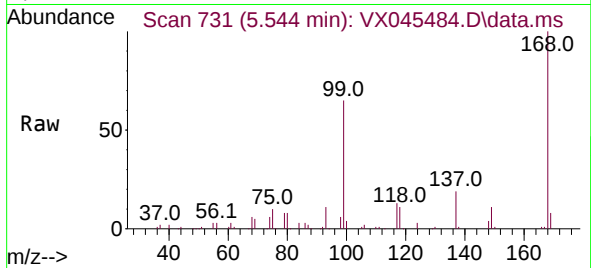




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

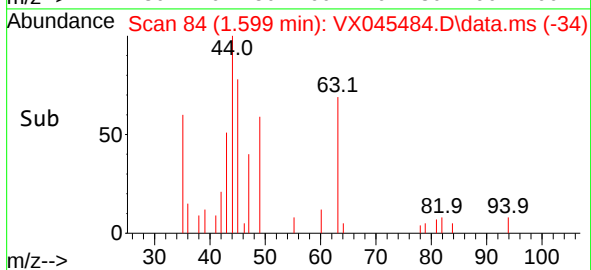
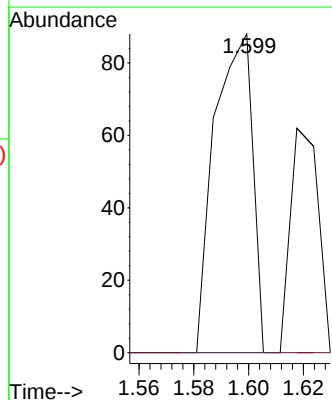
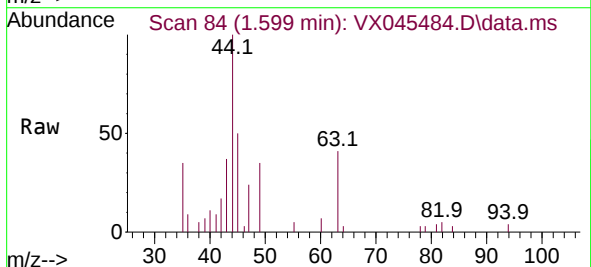
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

Tgt Ion:168 Resp: 62959
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.4



#5
Bromomethane
Concen: 0.225 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 94 Resp: 85
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#





#11

Tert butyl alcohol

Concen: 1.212 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.000 min

Lab File: VX045484.D

Acq: 27 Mar 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

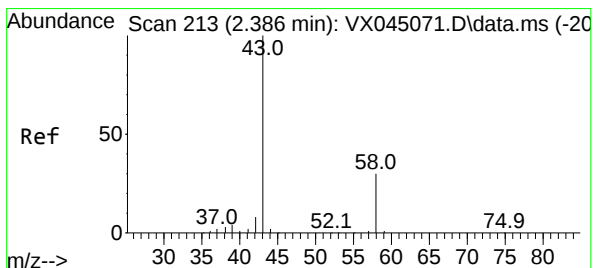
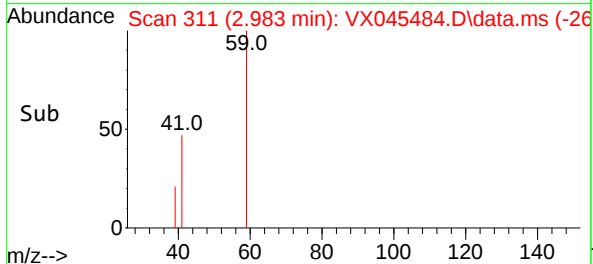
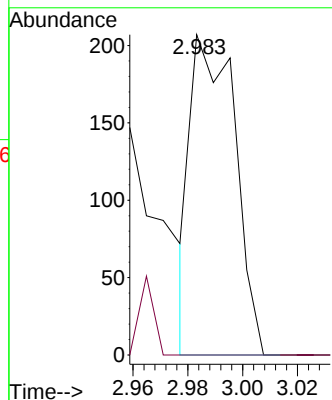
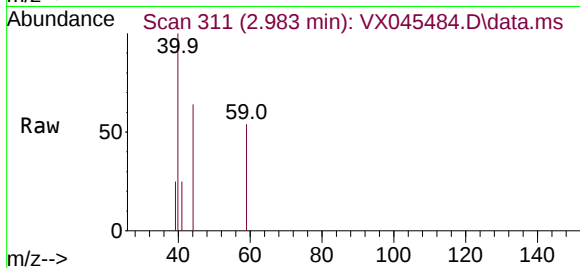
P167330ZHE#08

Tgt Ion: 59 Resp: 230

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 79.915 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045484.D

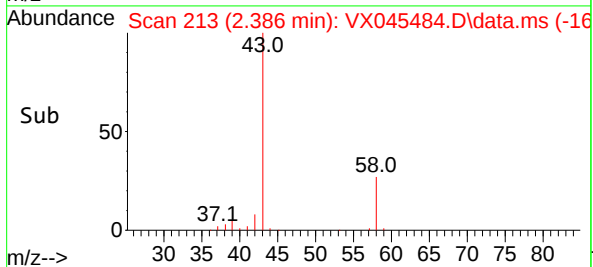
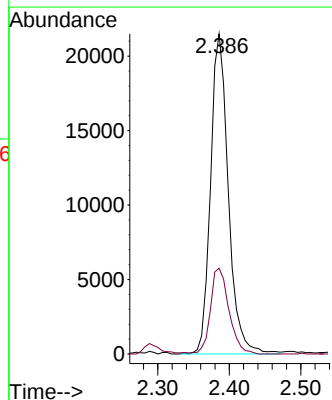
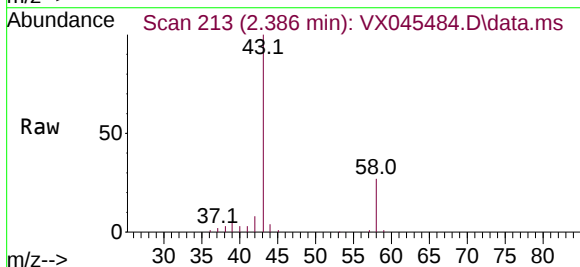
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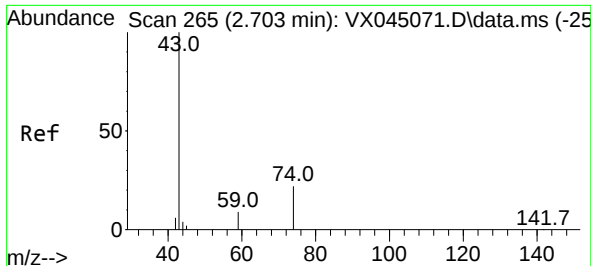
Tgt Ion: 43 Resp: 37132

Ion Ratio Lower Upper

43 100

58 26.8 24.2 36.4

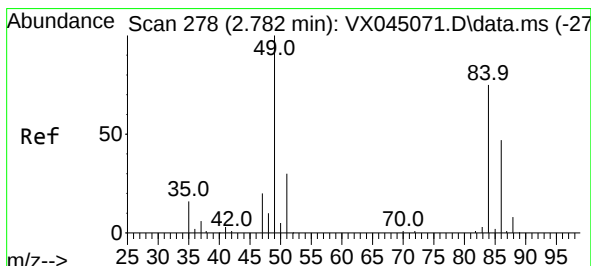
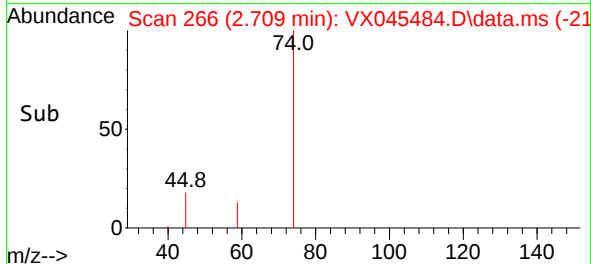
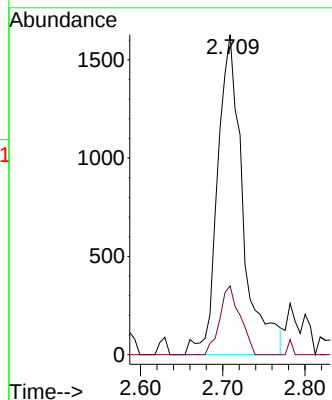
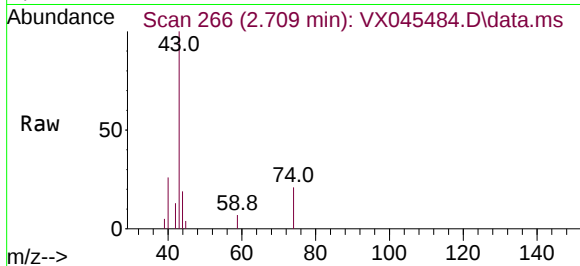




#18
Methyl Acetate
Concen: 3.125 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

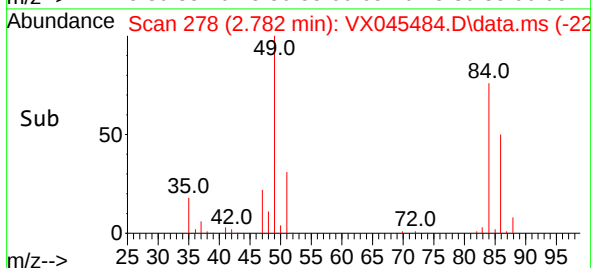
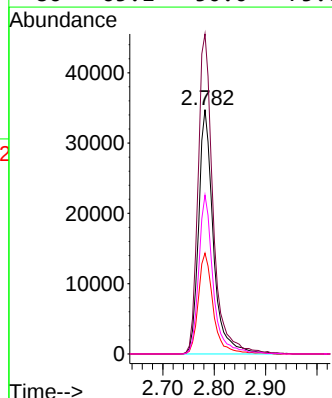
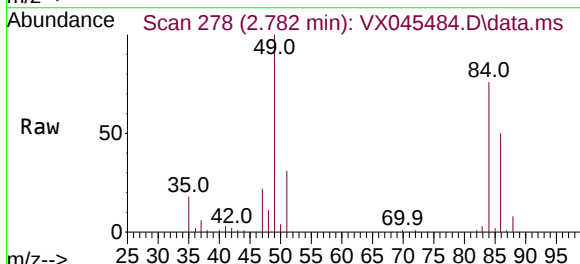
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

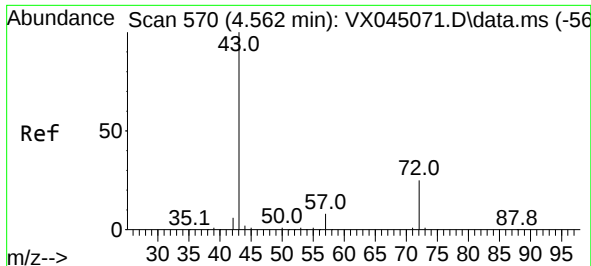
Tgt Ion: 43 Resp: 3493
Ion Ratio Lower Upper
43 100
74 17.2 17.4 26.2#



#20
Methylene Chloride
Concen: 75.323 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 84 Resp: 69328
Ion Ratio Lower Upper
84 100
49 131.0 106.5 159.7
51 41.2 32.1 48.1
86 65.1 50.0 75.0

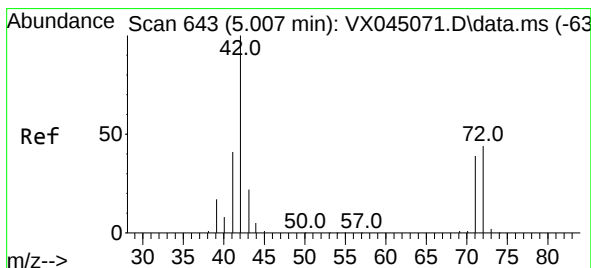
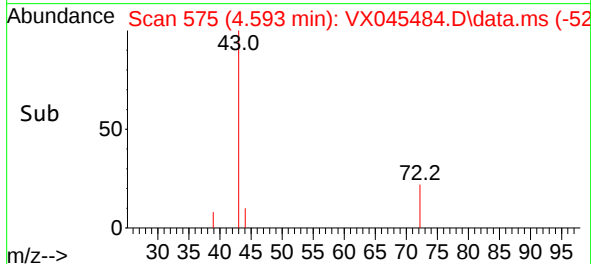
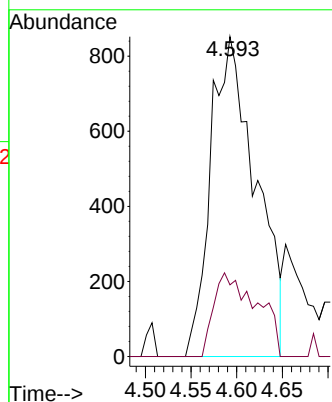
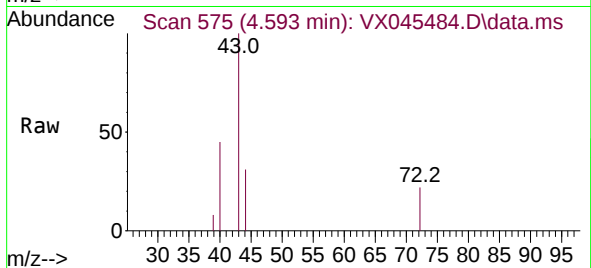




#25
2-Butanone
Concen: 4.189 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

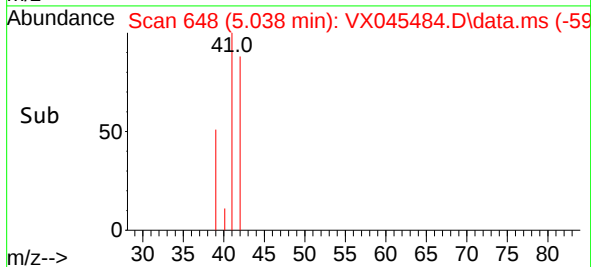
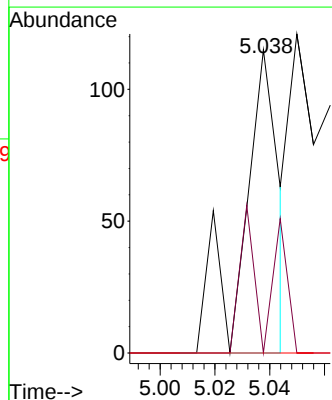
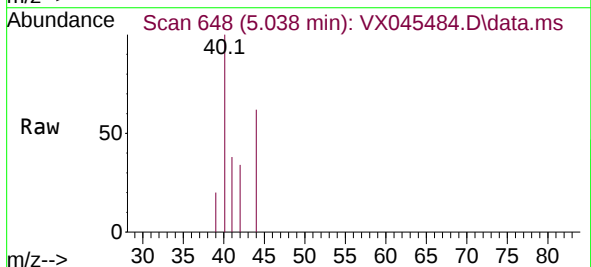
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

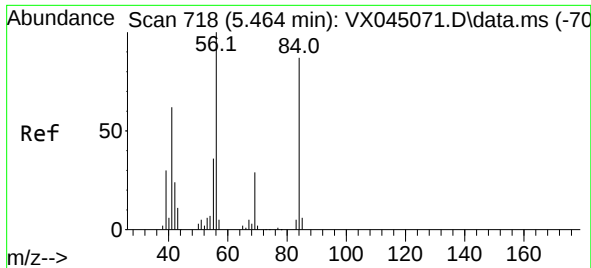
Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
72 22.4 20.0 30.0



#29
Tetrahydrofuran
Concen: 0.224 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.030 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 42 Resp: 105
Ion Ratio Lower Upper
42 100
72 37.1 34.1 51.1
71 0.0 31.4 47.0#

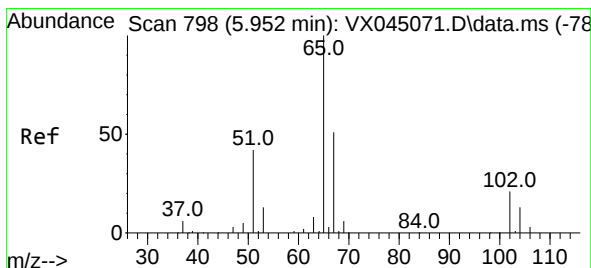
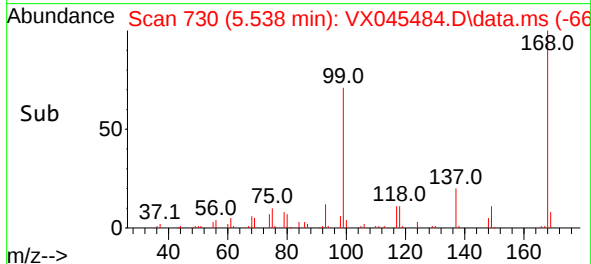
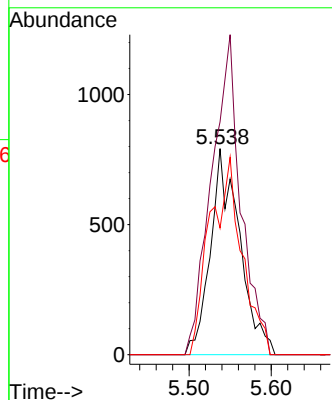
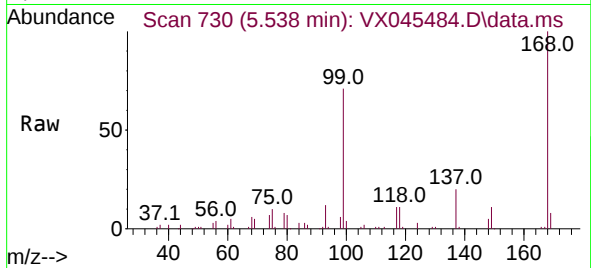




#31
Cyclohexane
Concen: 1.436 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

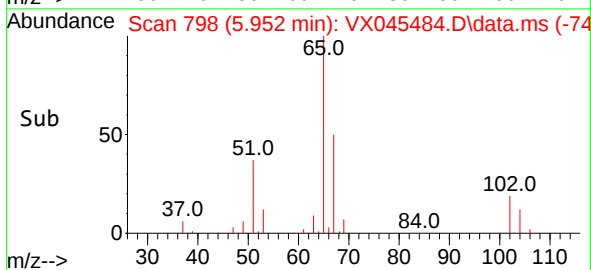
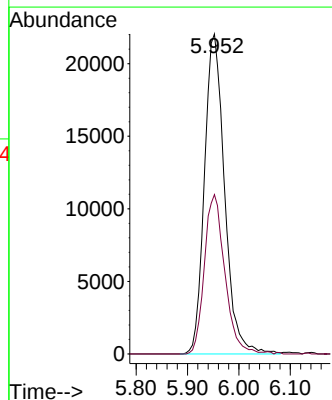
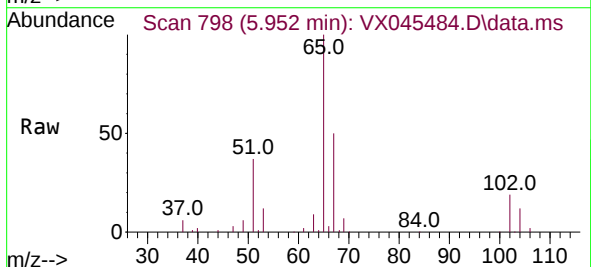
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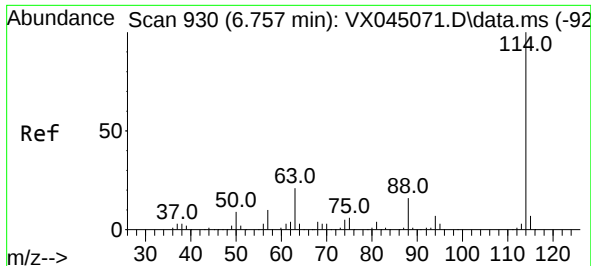
Tgt Ion: 56 Resp: 1956
Ion Ratio Lower Upper
56 100
69 113.0 23.4 35.2#
84 61.5 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 59.954 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 65 Resp: 60041
Ion Ratio Lower Upper
65 100
67 50.4 0.0 106.2

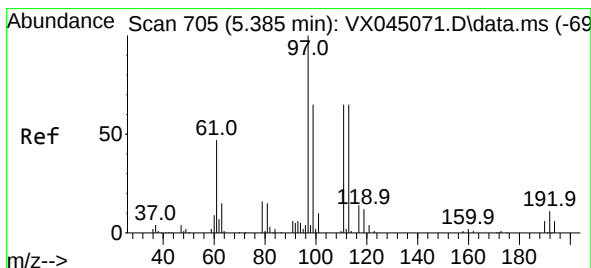
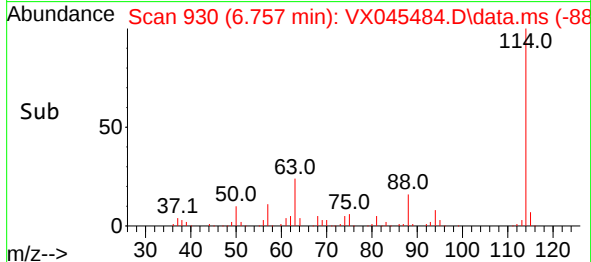
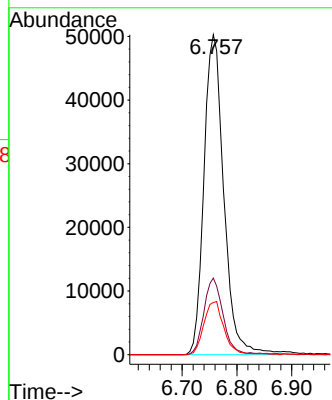
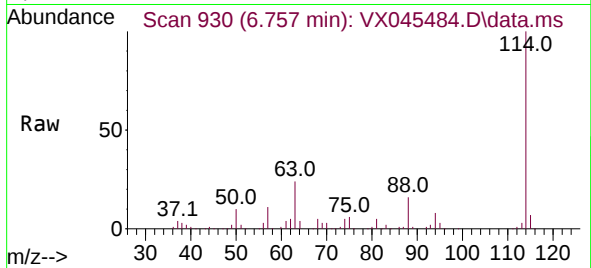




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045484.D
 Acq: 27 Mar 2025 17:53

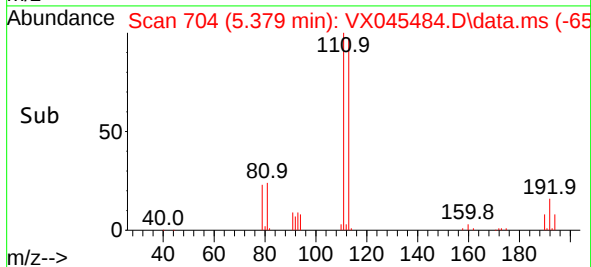
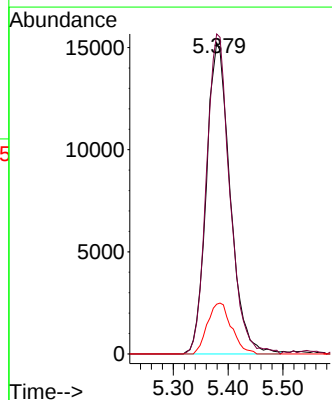
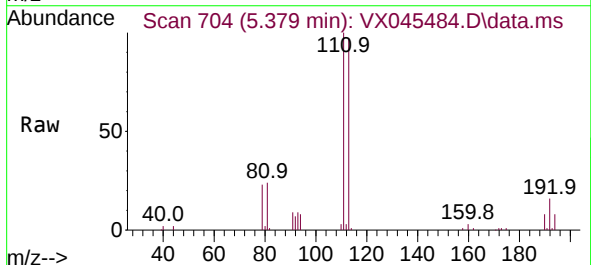
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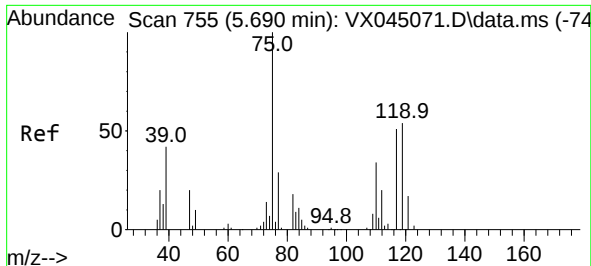
Tgt Ion:114 Resp: 126118
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 41.8
 88 16.3 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 54.367 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.006 min
 Lab File: VX045484.D
 Acq: 27 Mar 2025 17:53

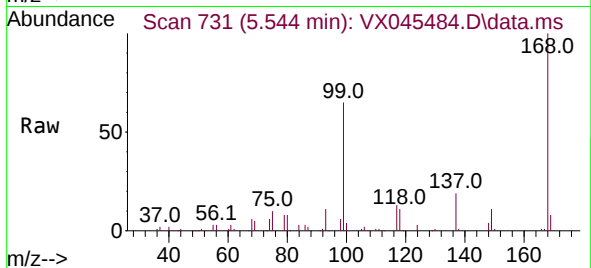
Tgt Ion:113 Resp: 45849
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.8 122.6
 192 16.5 14.3 21.5



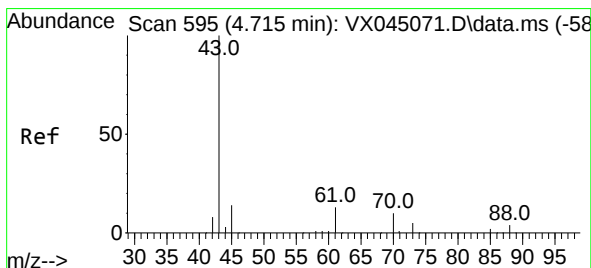
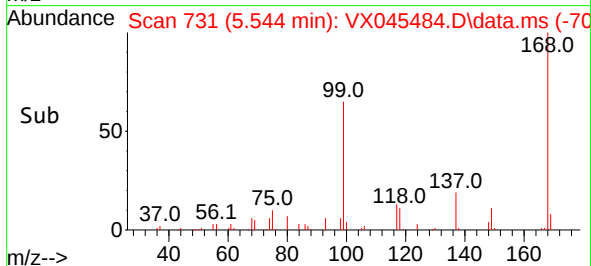
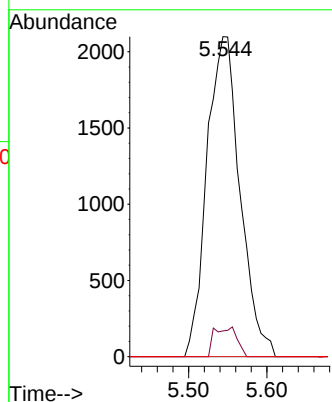


#36
1,1-Dichloropropene
Concen: 5.334 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

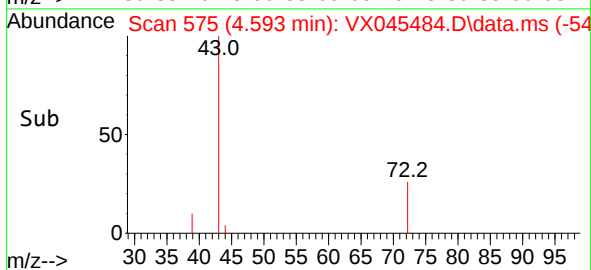
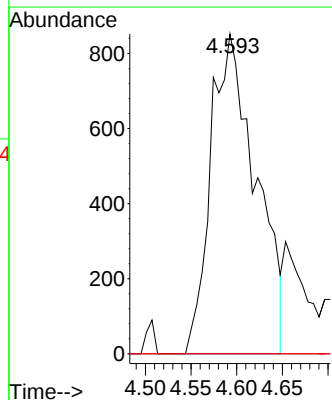
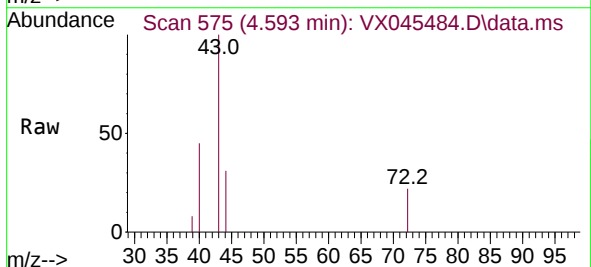


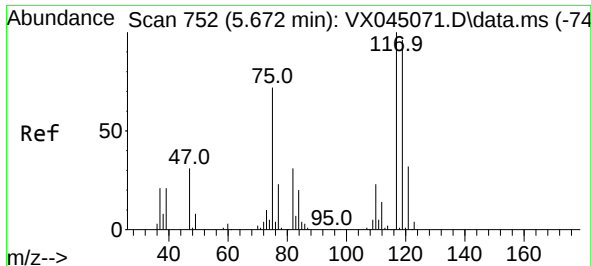
Tgt Ion: 75 Resp: 6169
Ion Ratio Lower Upper
75 100
110 6.3 16.9 50.6#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 1.966 ug/l
RT: 4.593 min Scan# 575
Delta R.T. -0.122 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

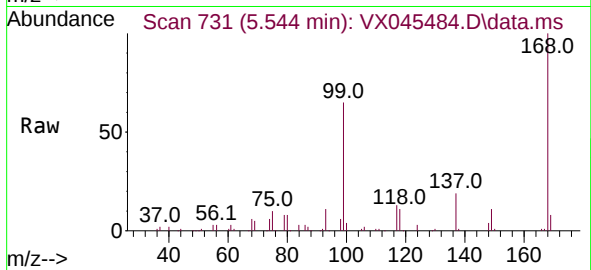
Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
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61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



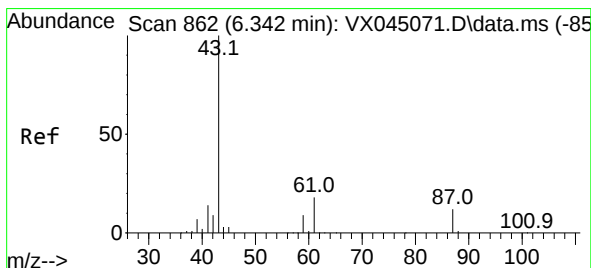
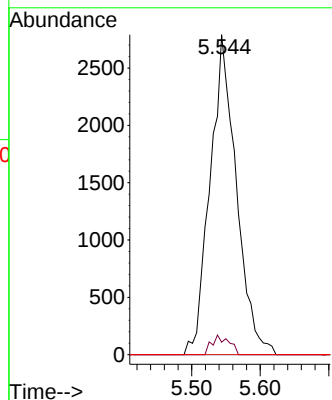
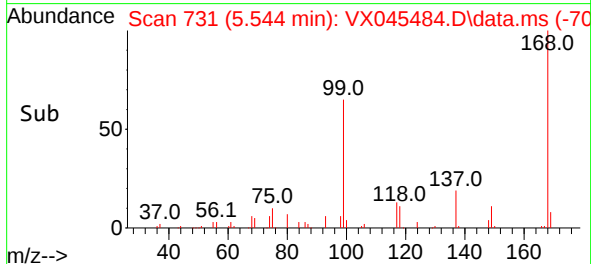


#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

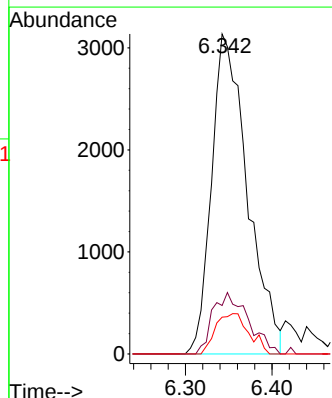
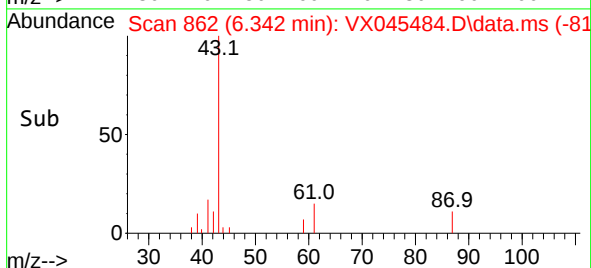
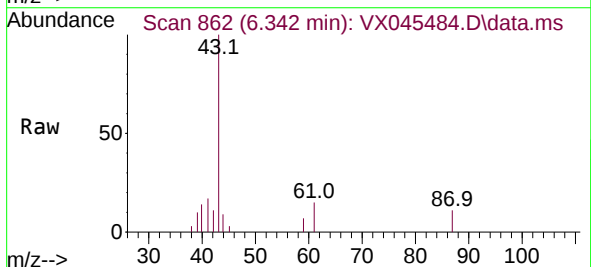


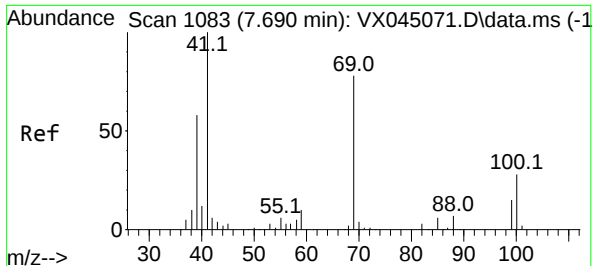
Tgt Ion:117 Resp: 7437
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 4.093 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 43 Resp: 9020
Ion Ratio Lower Upper
43 100
61 19.0 14.9 22.3
87 11.7 9.4 14.2





#48

Methyl methacrylate

Concen: 45.164 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX045484.D

Acq: 27 Mar 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#08

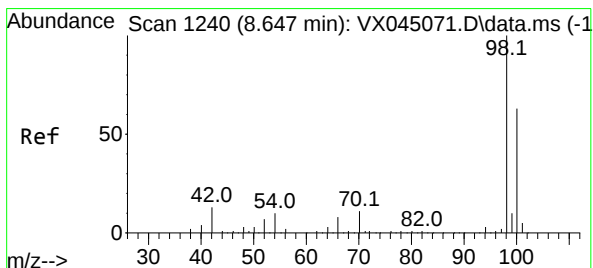
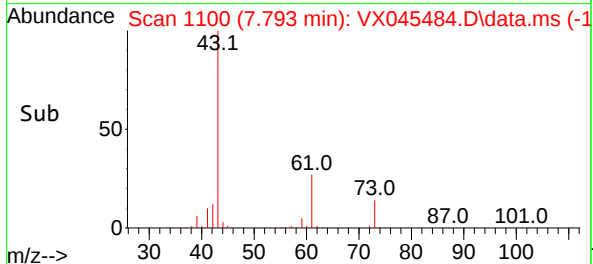
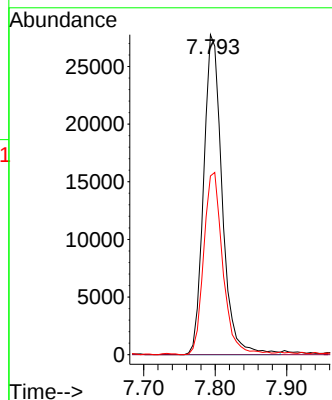
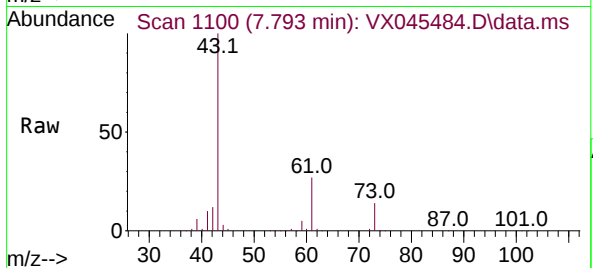
Tgt Ion: 41 Resp: 49931

Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6#

39 59.0 47.5 71.3



#50

Toluene-d8

Concen: 52.996 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045484.D

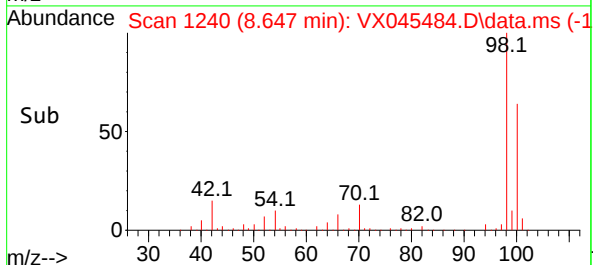
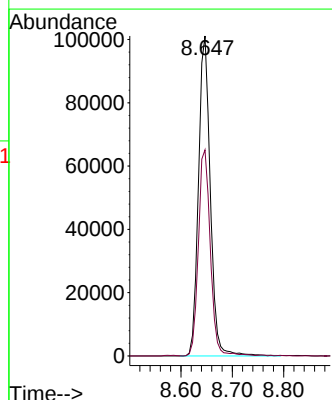
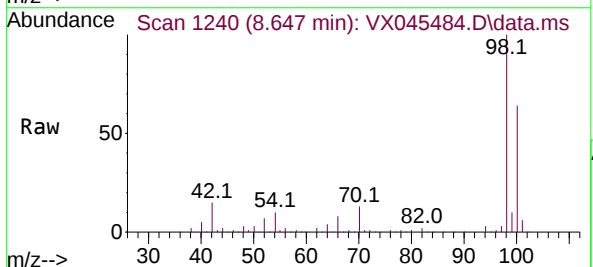
Acq: 27 Mar 2025 17:53

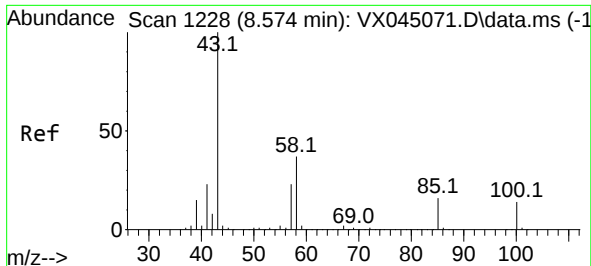
Tgt Ion: 98 Resp: 162026

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

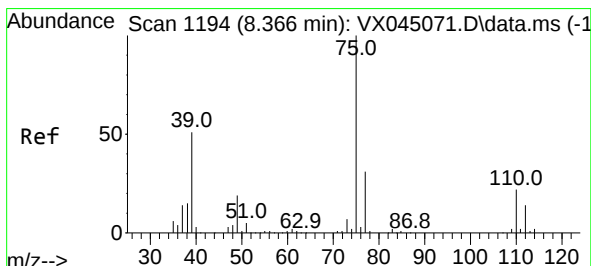
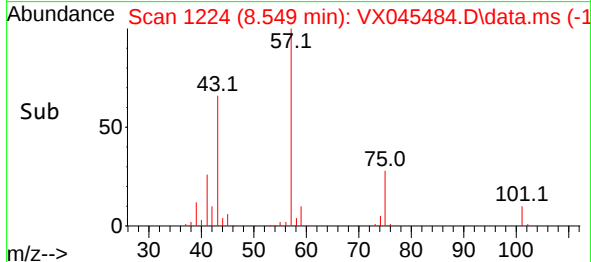
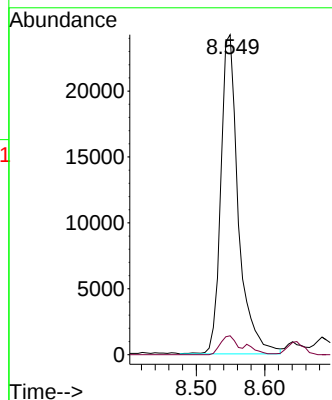
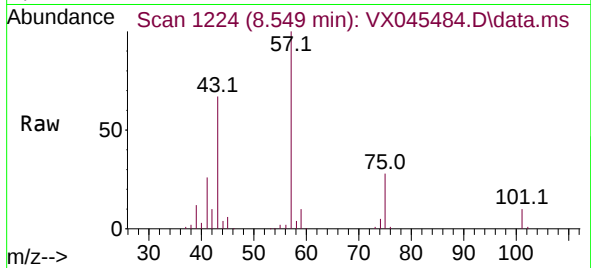




#51
4-Methyl-2-Pentanone
Concen: 29.029 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

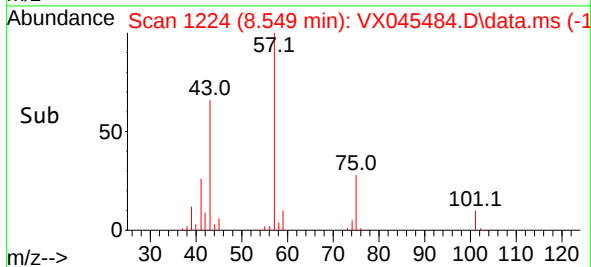
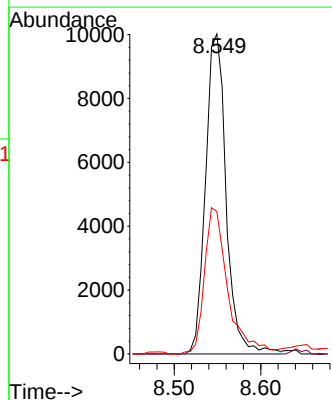
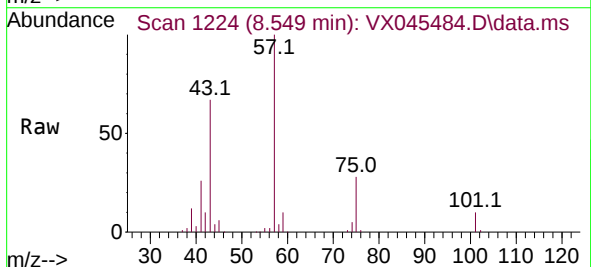
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

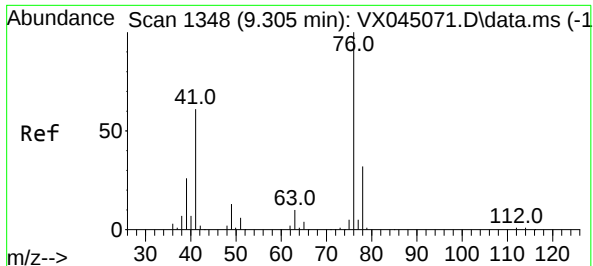
Tgt Ion: 43 Resp: 42952
Ion Ratio Lower Upper
43 100
58 5.5 29.2 43.8#



#54
cis-1,3-Dichloropropene
Concen: 13.025 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 75 Resp: 16530
Ion Ratio Lower Upper
75 100
77 0.0 24.7 37.1#
39 44.5 40.7 61.1





#57

1,3-Dichloropropane

Concen: 1.128 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045484.D

Acq: 27 Mar 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

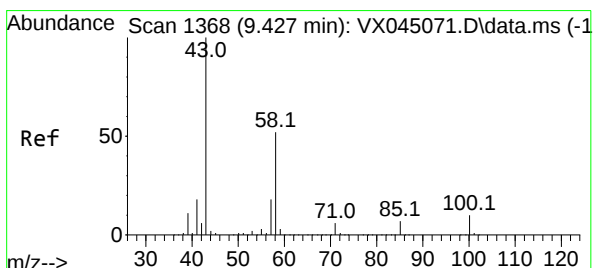
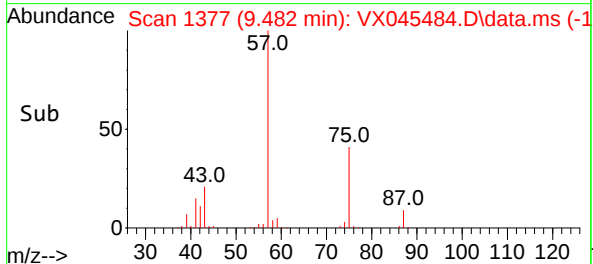
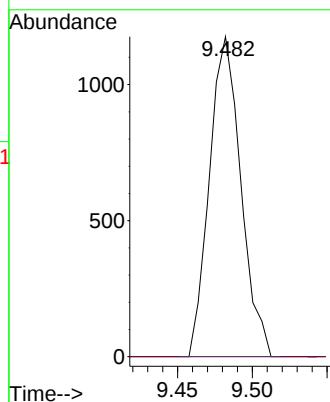
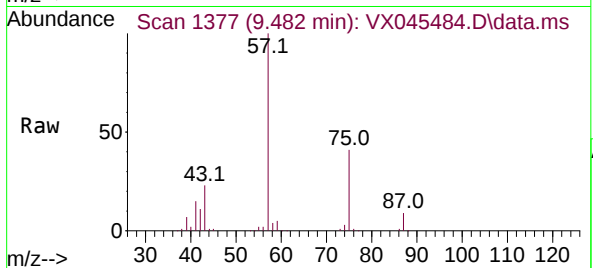
P167330ZHE#08

Tgt Ion: 76 Resp: 1722

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 9.818 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045484.D

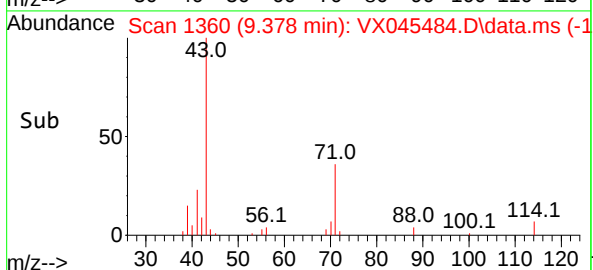
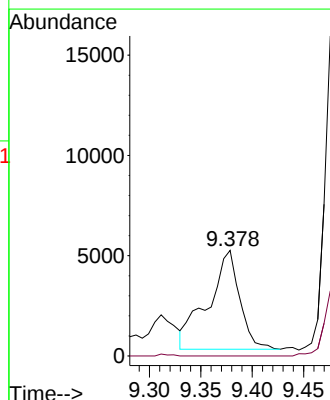
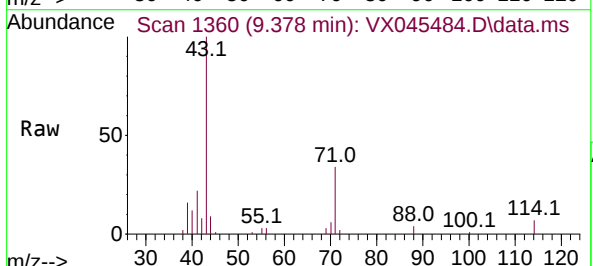
Acq: 27 Mar 2025 17:53

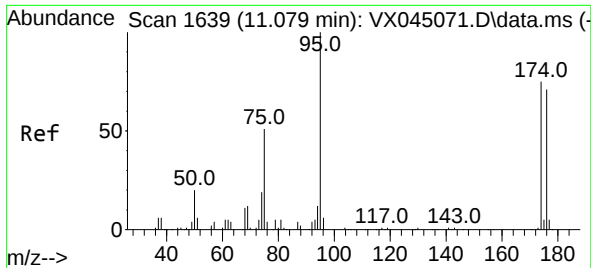
Tgt Ion: 43 Resp: 10526

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

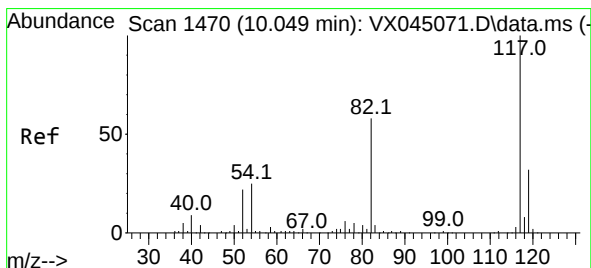
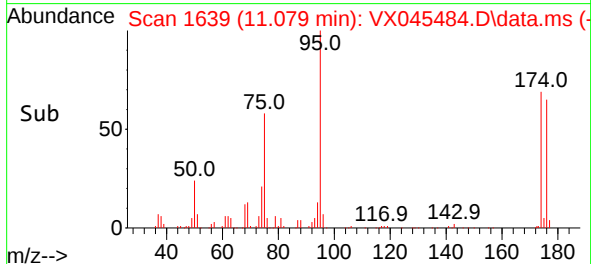
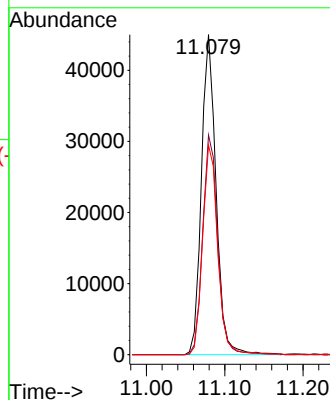
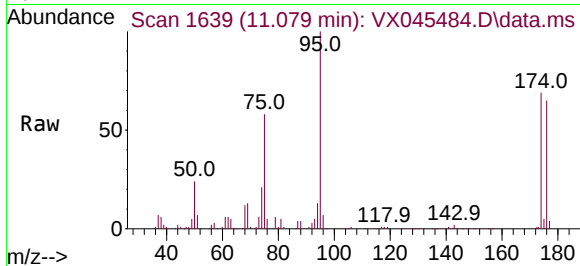




#62
4-Bromofluorobenzene
Concen: 57.710 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

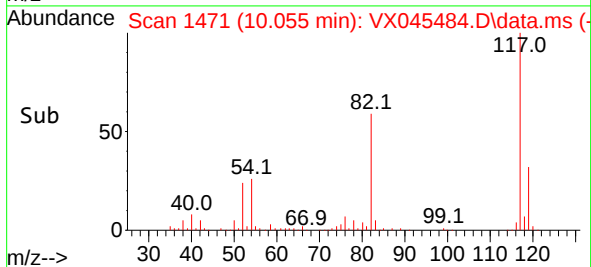
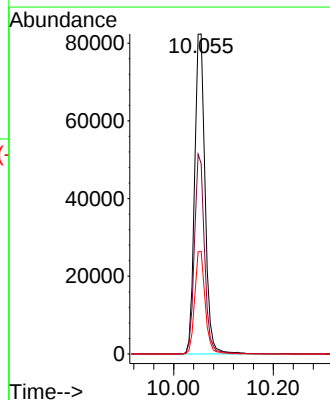
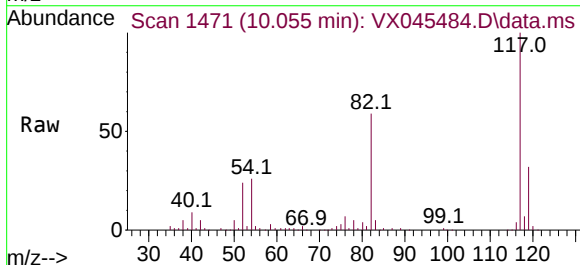
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

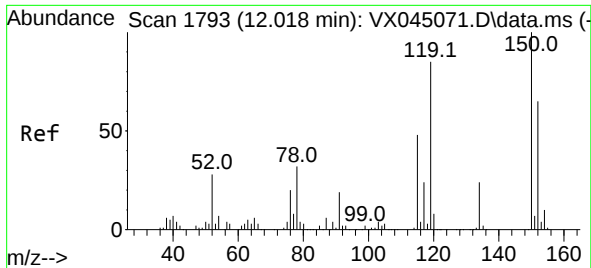
Tgt Ion: 95 Resp: 58466
Ion Ratio Lower Upper
95 100
174 70.4 0.0 148.2
176 67.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 117 Resp: 120049
Ion Ratio Lower Upper
117 100
82 59.5 46.3 69.5
119 32.0 25.7 38.5

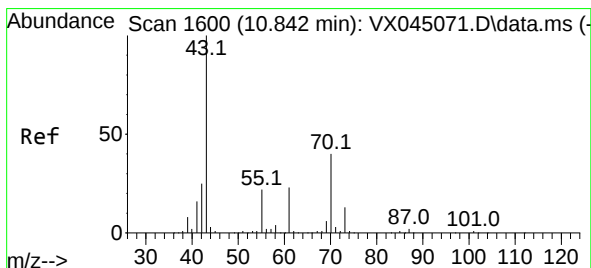
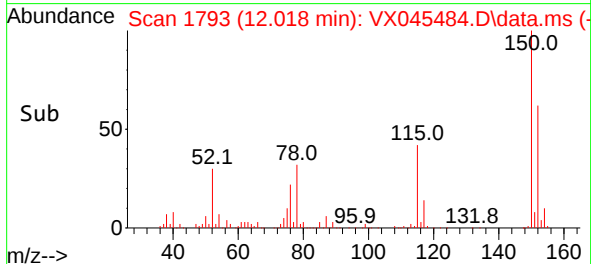
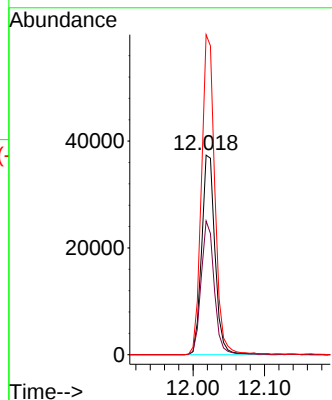
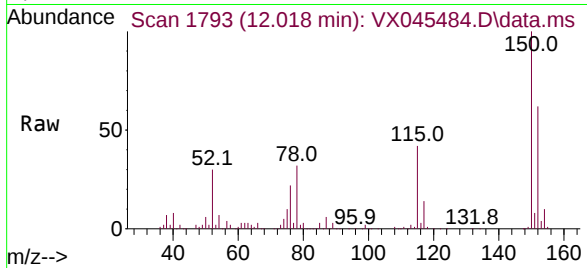




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

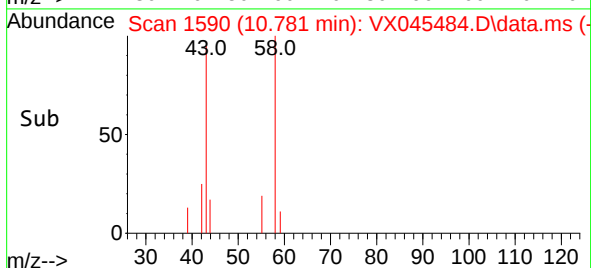
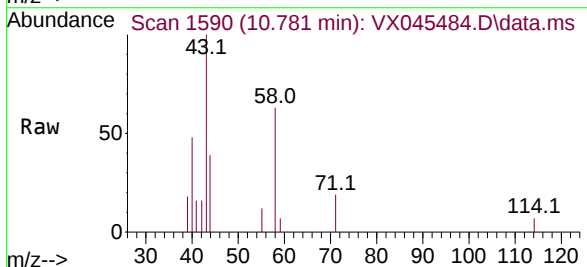
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

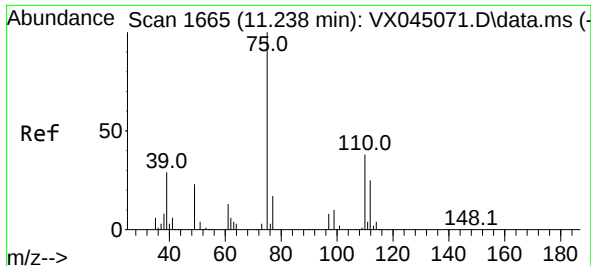
Tgt Ion:152 Resp: 48629
Ion Ratio Lower Upper
152 100
115 65.6 44.2 132.6
150 160.0 0.0 349.0



#74
N-ethyl acetate
Concen: 0.969 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 3.2 18.3 27.5#
61 0.0 18.3 27.5#

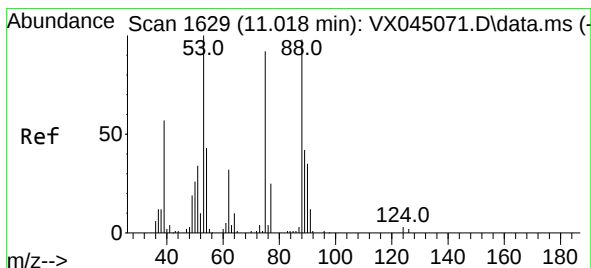
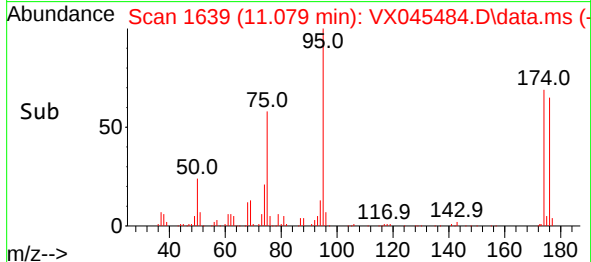
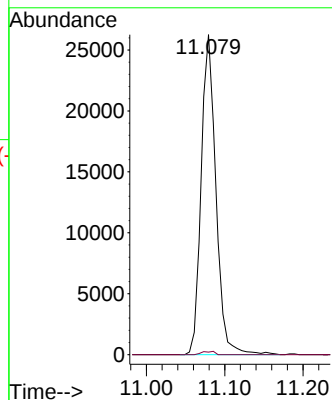
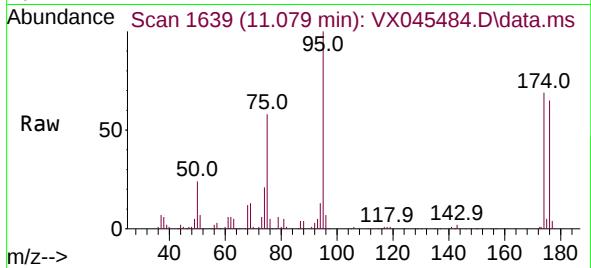




#76
1,2,3-Trichloropropane
Concen: 30.394 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#08

Tgt Ion: 75 Resp: 34401
Ion Ratio Lower Upper
75 100
77 0.9 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.013 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045484.D
Acq: 27 Mar 2025 17:53

Tgt Ion: 75 Resp: 34401
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

