

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045485.D
 Acq On : 27 Mar 2025 18:17
 Operator : JC/MD
 Sample : P167330ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#09

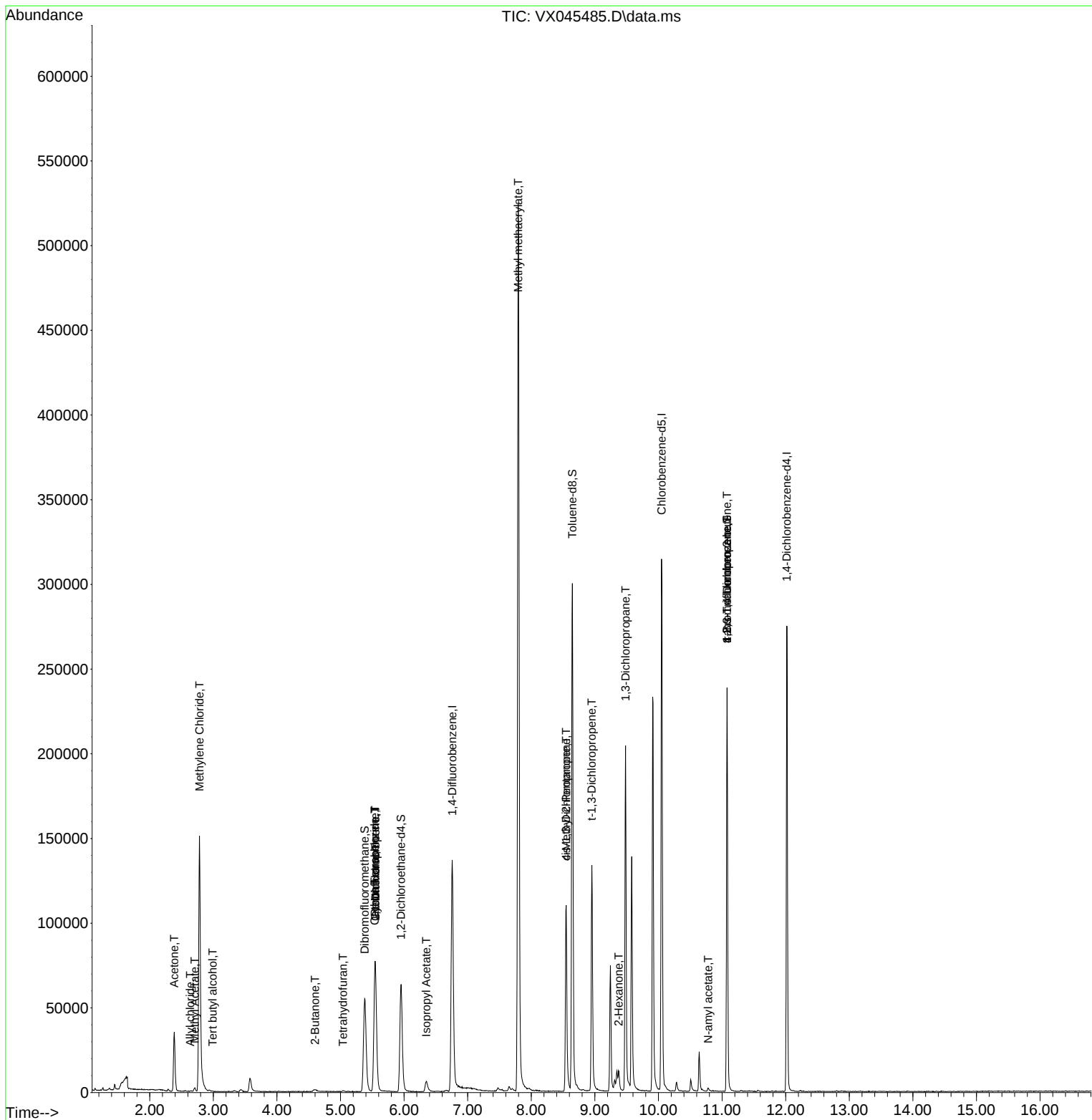
Quant Time: Mar 28 01:37:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

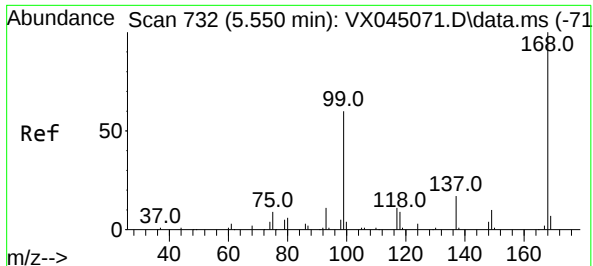
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	66501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132883	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63912	60.420	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 120.840%		
35) Dibromofluoromethane	5.379	113	47661	53.639	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 107.280%		
50) Toluene-d8	8.647	98	172018	53.400	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.800%		
62) 4-Bromofluorobenzene	11.079	95	60584	56.756	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 113.520%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	242	1.208	ug/l #	73
14) Allyl chloride	2.636	41	295	0.203	ug/l #	65
16) Acetone	2.386	43	38616	78.682	ug/l	93
18) Methyl Acetate	2.709	43	2988	2.531	ug/l	92
20) Methylene Chloride	2.782	84	69761	71.757	ug/l	96
25) 2-Butanone	4.599	43	3482	4.713	ug/l #	82
29) Tetrahydrofuran	5.038	42	369	0.744	ug/l #	46
31) Cyclohexane	5.550	56	1984	1.379	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	6599	5.415	ug/l #	50
38) Carbon Tetrachloride	5.537	117	7885	6.374	ug/l #	15
43) Isopropyl Acetate	6.348	43	9604	4.136	ug/l #	97
48) Methyl methacrylate	7.793	41	51311	44.049	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	43378	27.824	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	239	0.208	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16420	12.280	ug/l #	76
57) 1,3-Dichloropropane	9.482	76	1717	1.067	ug/l #	43
59) 2-Hexanone	9.372	43	10644	9.423	ug/l #	26
74) N-amyl acetate	10.780	43	1389	0.747	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	34671	29.331	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34671	100.377	ug/l #	6

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

Quant Time: Mar 28 01:37:09 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

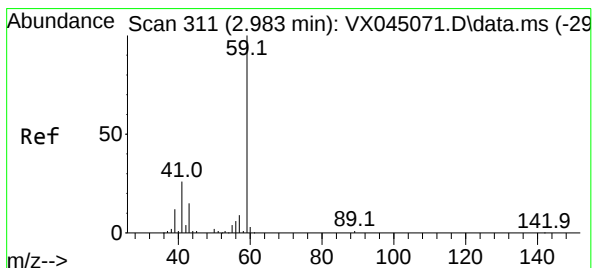
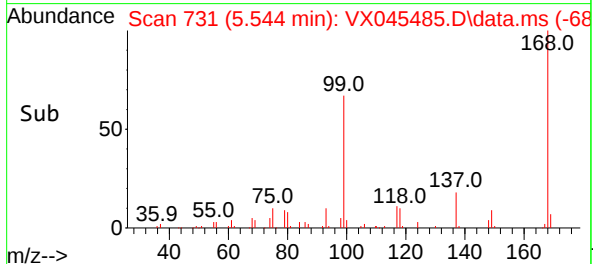
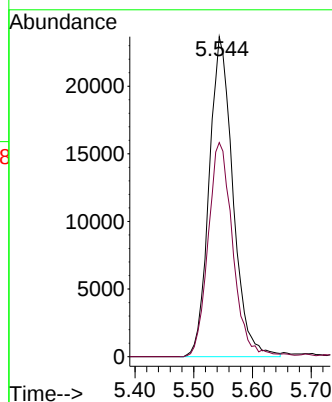
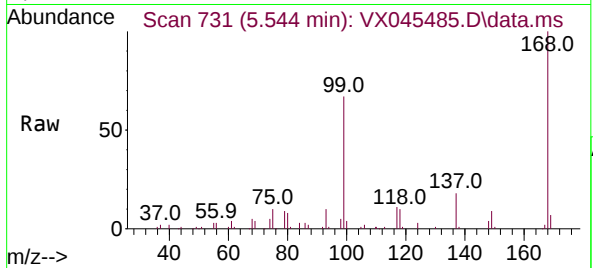




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

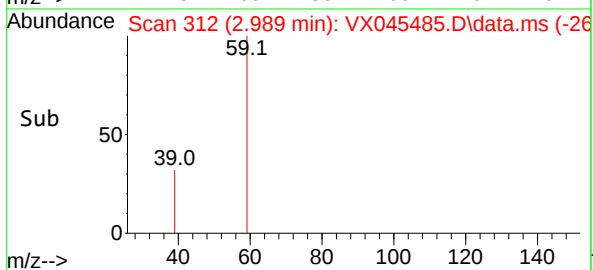
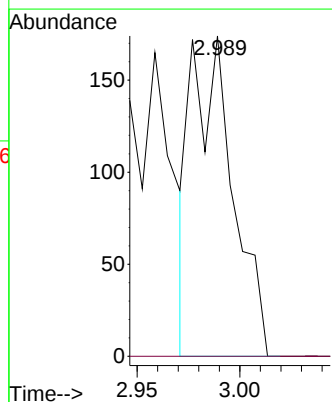
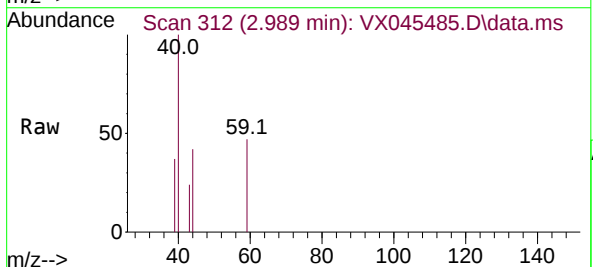
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#09

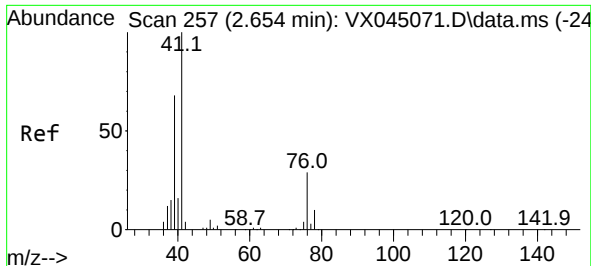
Tgt Ion:168 Resp: 66501
Ion Ratio Lower Upper
168 100
99 66.9 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.208 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.006 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

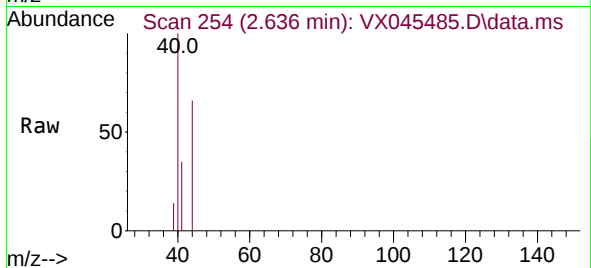
Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



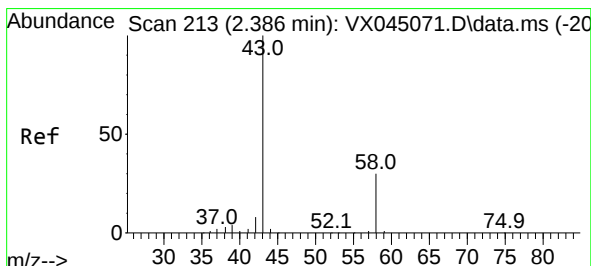
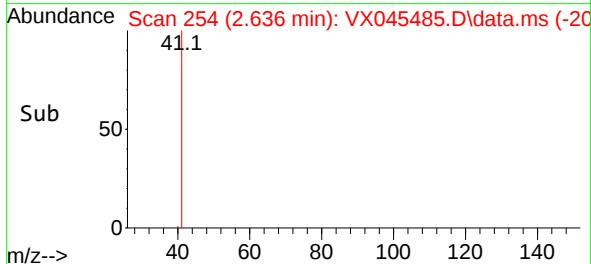
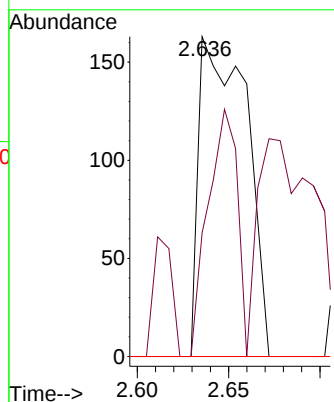


#14
 Allyl chloride
 Concen: 0.203 ug/l
 RT: 2.636 min Scan# 214
 Delta R.T. -0.018 min
 Lab File: VX045485.D
 Acq: 27 Mar 2025 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#09

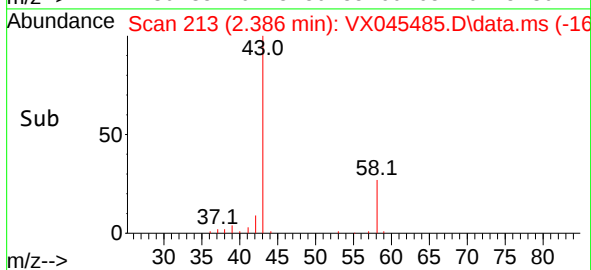
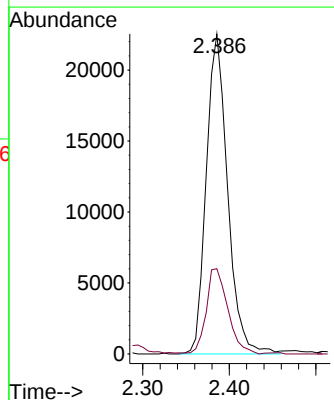
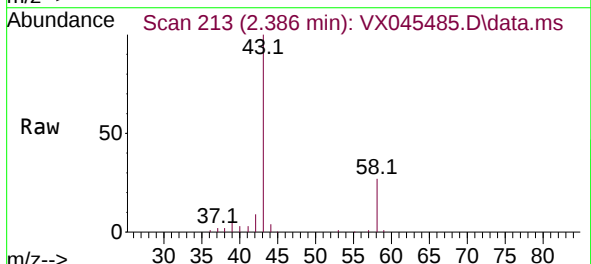


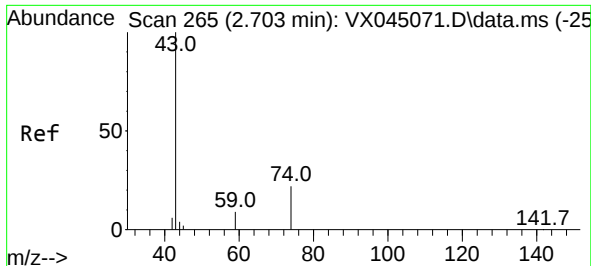
Tgt Ion: 41 Resp: 295
 Ion Ratio Lower Upper
 41 100
 39 47.8 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 78.682 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045485.D
 Acq: 27 Mar 2025 18:17

Tgt Ion: 43 Resp: 38616
 Ion Ratio Lower Upper
 43 100
 58 26.3 24.2 36.4

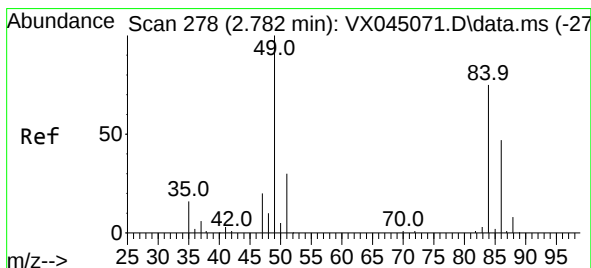
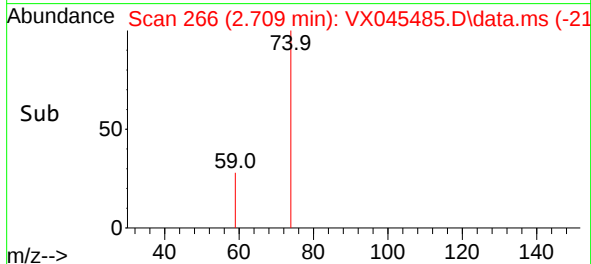
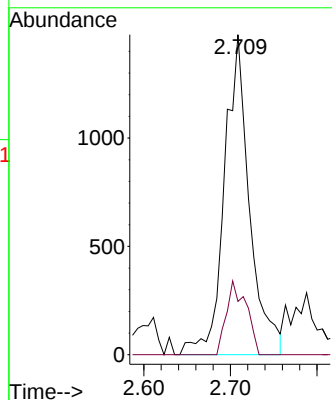
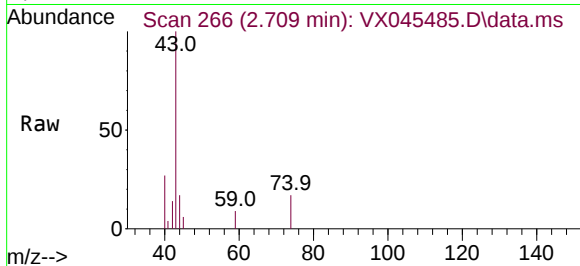




#18
Methyl Acetate
Concen: 2.531 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

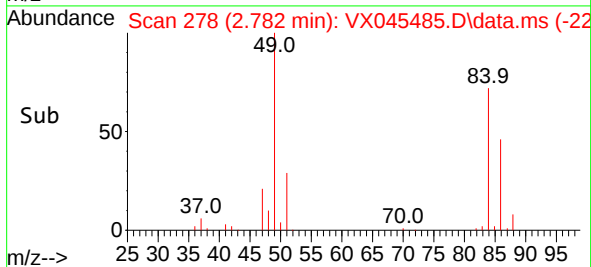
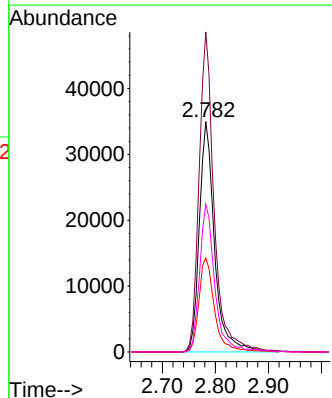
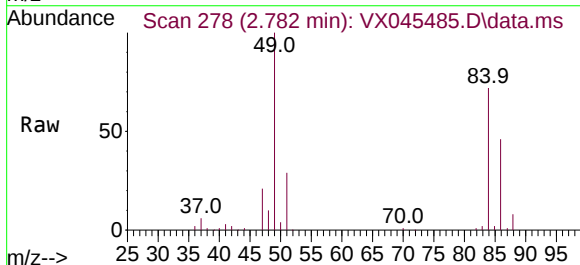
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#09

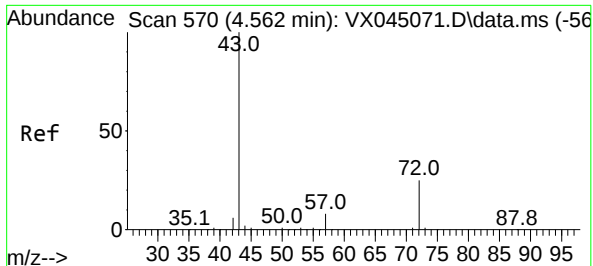
Tgt Ion: 43 Resp: 2988
Ion Ratio Lower Upper
43 100
74 18.2 17.4 26.2



#20
Methylene Chloride
Concen: 71.757 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Tgt Ion: 84 Resp: 69761
Ion Ratio Lower Upper
84 100
49 139.0 106.5 159.7
51 40.8 32.1 48.1
86 64.1 50.0 75.0

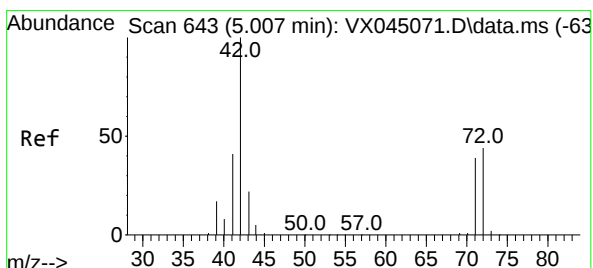
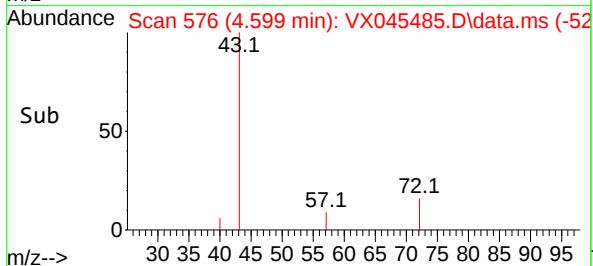
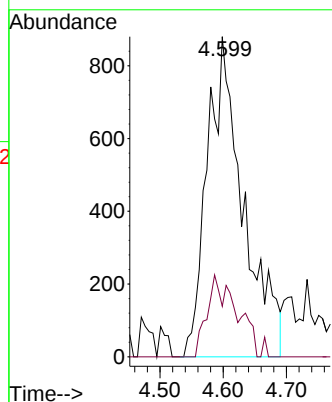
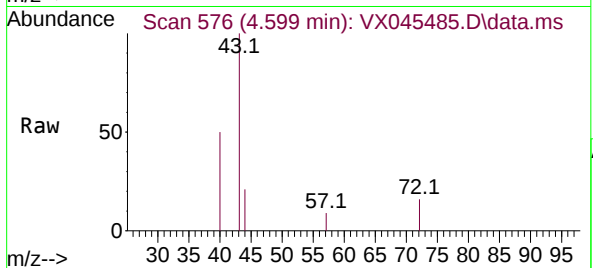




#25
2-Butanone
Concen: 4.713 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

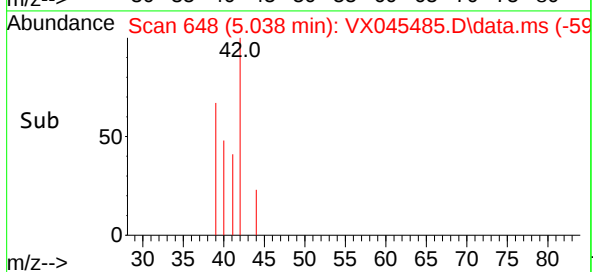
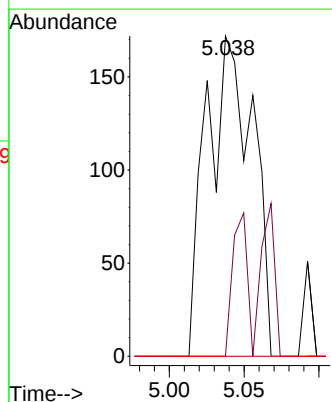
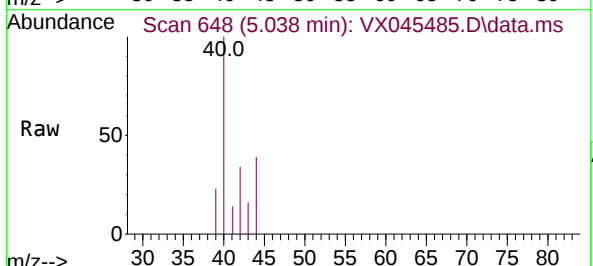
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#09

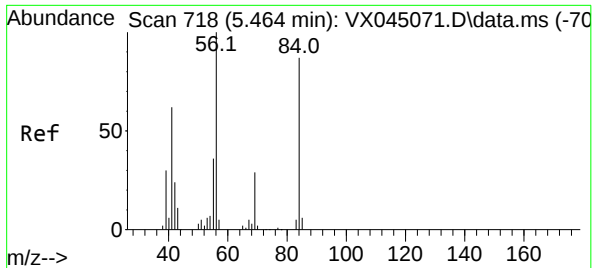
Tgt Ion: 43 Resp: 3482
Ion Ratio Lower Upper
43 100
72 15.8 20.0 30.0#



#29
Tetrahydrofuran
Concen: 0.744 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.030 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Tgt Ion: 42 Resp: 369
Ion Ratio Lower Upper
42 100
72 14.1 34.1 51.1#
71 0.0 31.4 47.0#

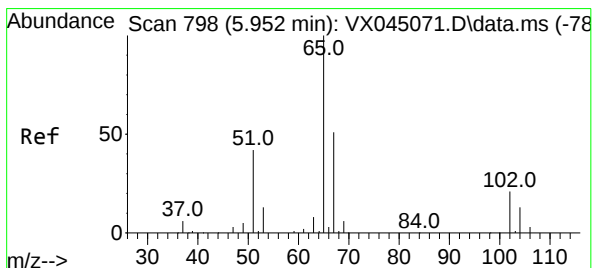
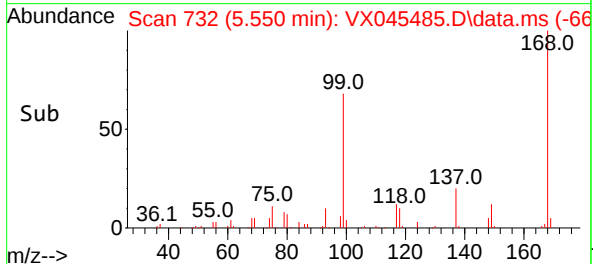
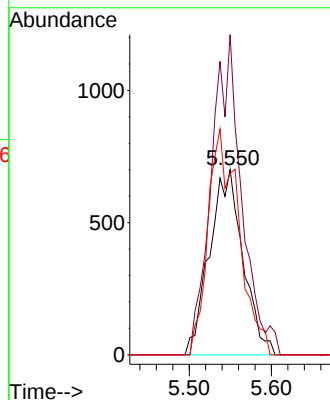
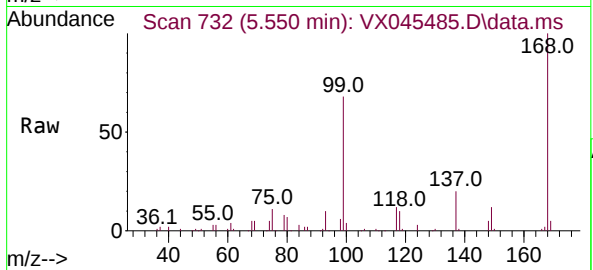




#31
Cyclohexane
Concen: 1.379 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

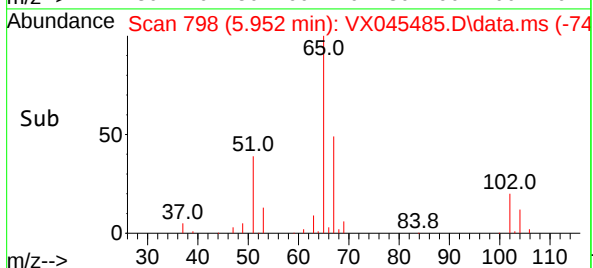
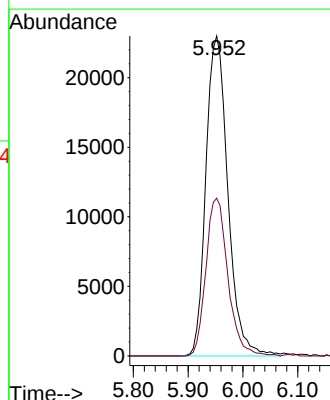
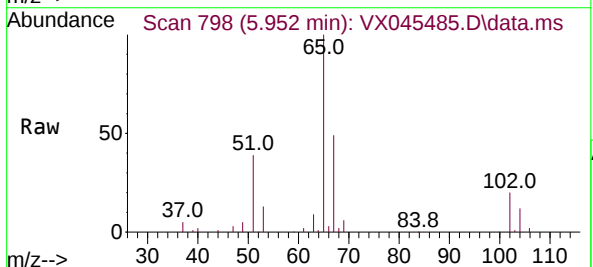
Instrument :
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ClientSampleId :
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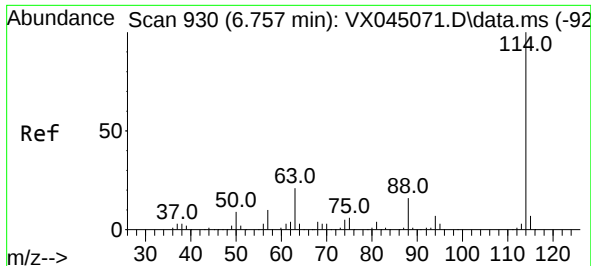
Tgt Ion: 56 Resp: 1984
Ion Ratio Lower Upper
56 100
69 172.8 23.4 35.2#
84 97.9 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 60.420 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Tgt Ion: 65 Resp: 63912
Ion Ratio Lower Upper
65 100
67 49.4 0.0 106.2

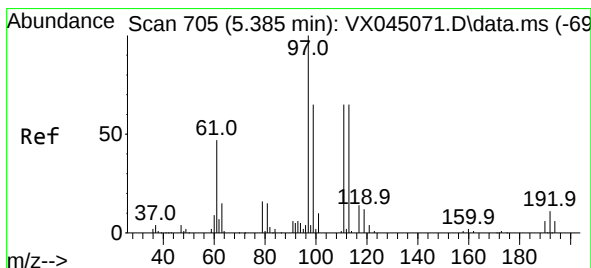
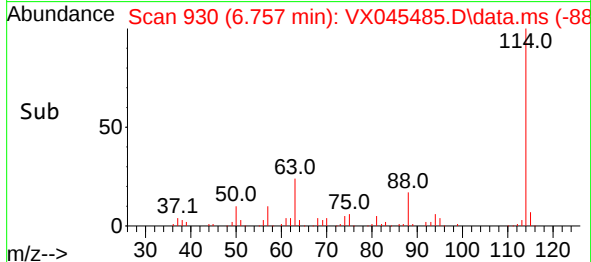
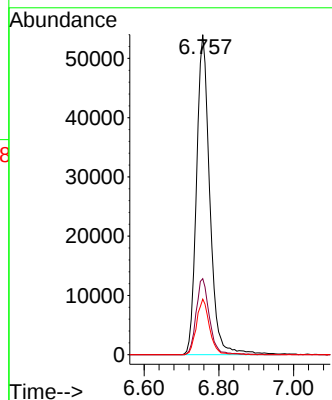
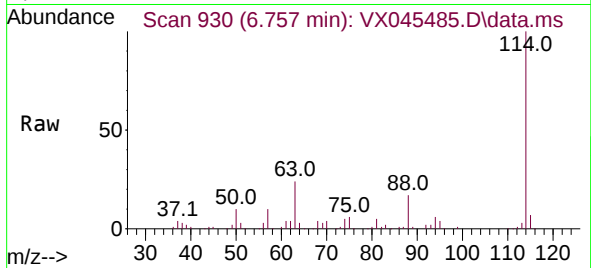




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

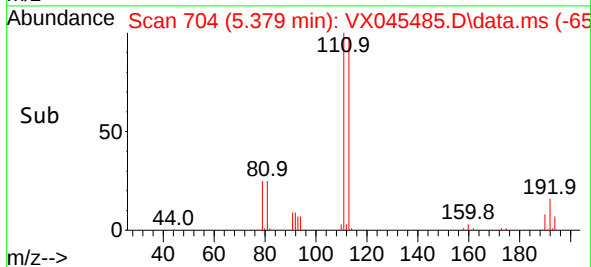
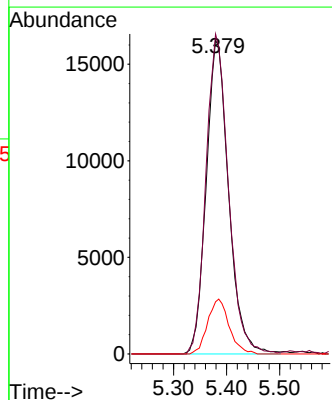
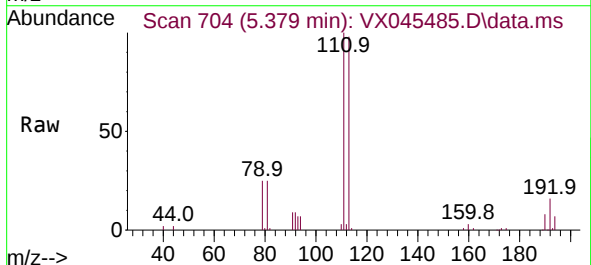
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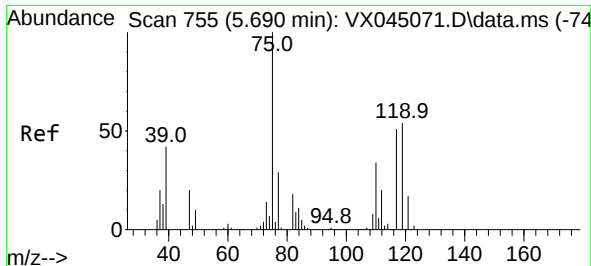
Tgt Ion:114 Resp: 132883
Ion Ratio Lower Upper
114 100
63 23.7 0.0 41.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.639 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Tgt Ion:113 Resp: 47661
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 16.8 14.3 21.5

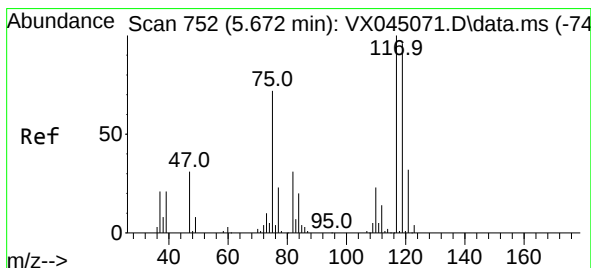
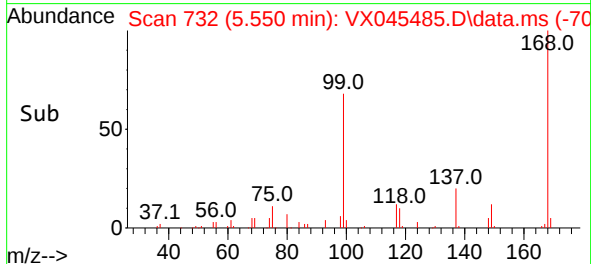
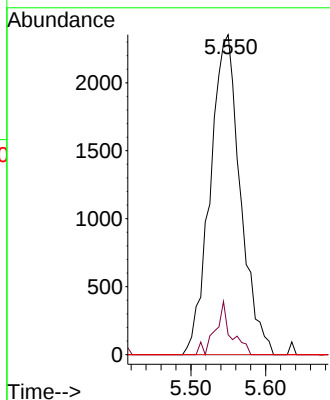
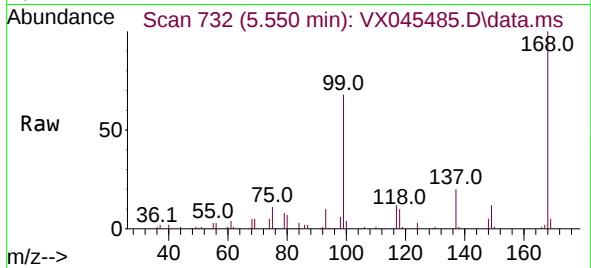




#36
1,1-Dichloropropene
Concen: 5.415 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

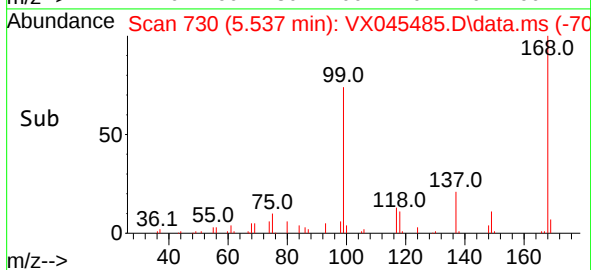
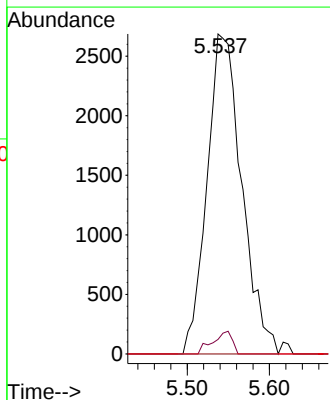
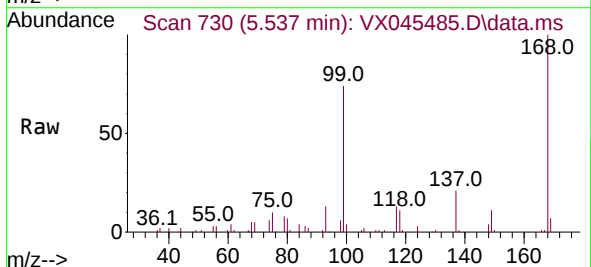
Instrument :
MSVOA_X
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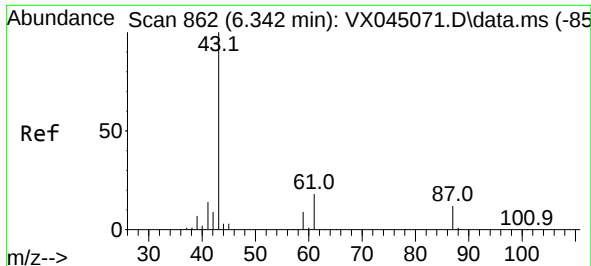
Tgt Ion: 75 Resp: 6599
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Tgt Ion: 117 Resp: 7885
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 25.5 38.3#

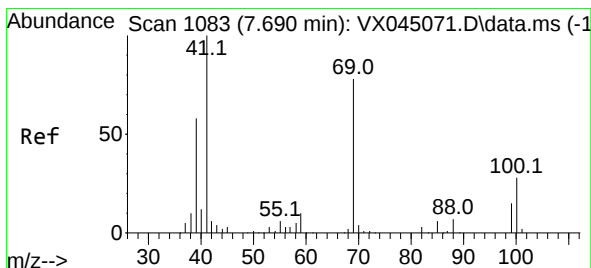
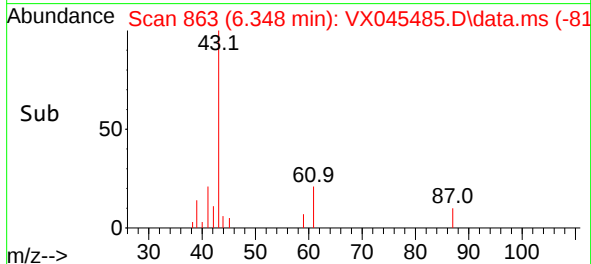
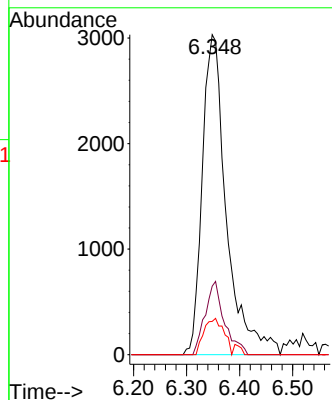
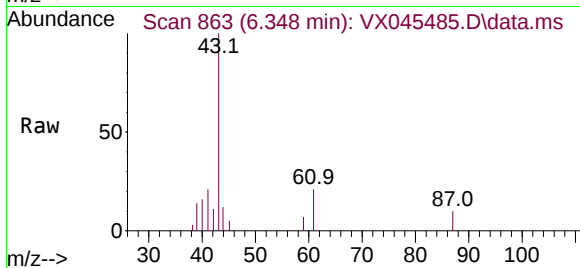




#43
Isopropyl Acetate
Concen: 4.136 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

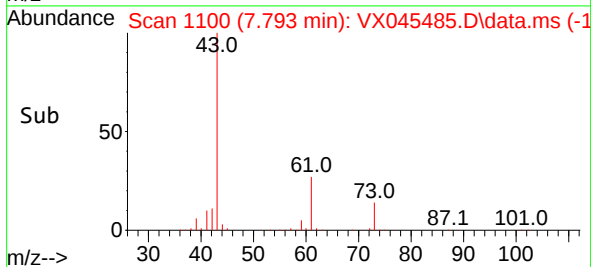
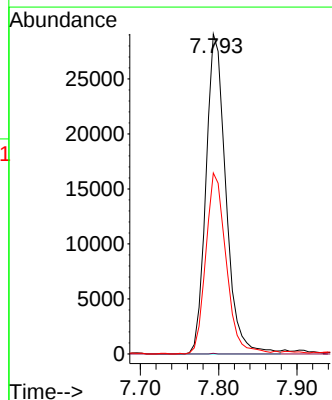
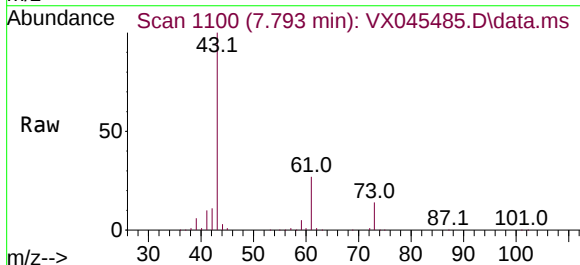
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#09

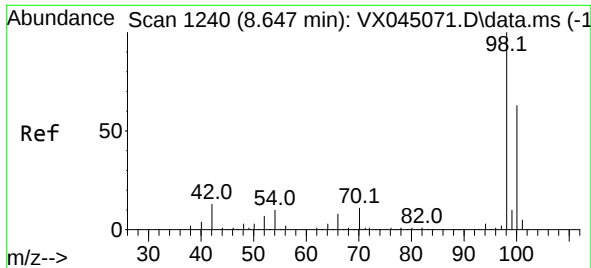
Tgt Ion: 43 Resp: 9604
Ion Ratio Lower Upper
43 100
61 18.3 14.9 22.3
87 9.3 9.4 14.2#



#48
Methyl methacrylate
Concen: 44.049 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Tgt Ion: 41 Resp: 51311
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 57.9 47.5 71.3

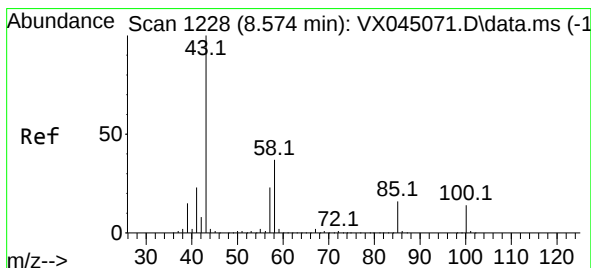
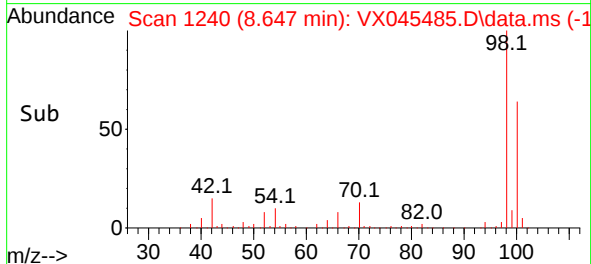
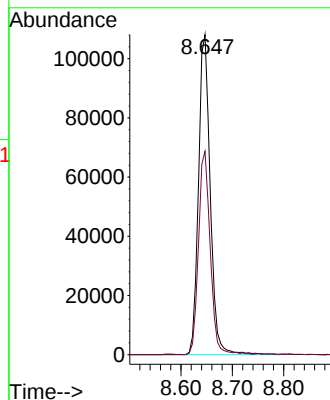
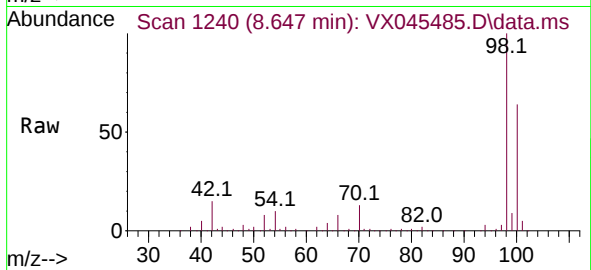




#50
Toluene-d8
Concen: 53.400 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

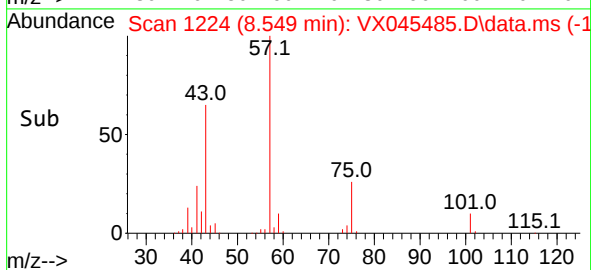
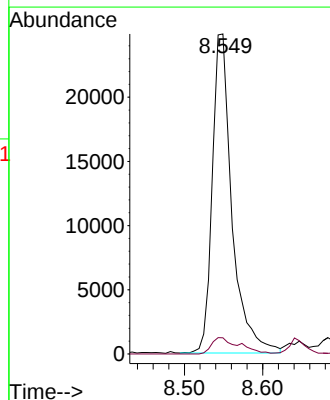
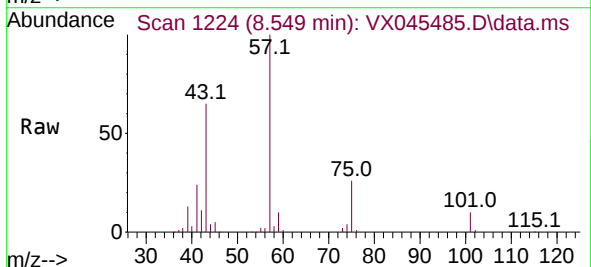
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#09

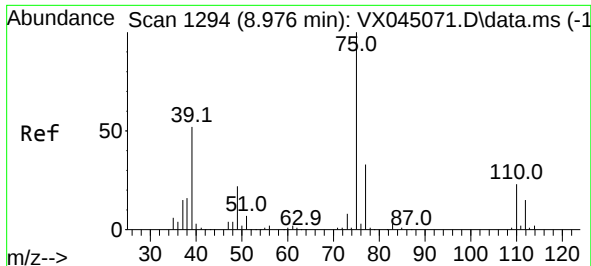
Tgt Ion: 98 Resp: 172018
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 27.824 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Tgt Ion: 43 Resp: 43378
Ion Ratio Lower Upper
43 100
58 7.3 29.2 43.8#

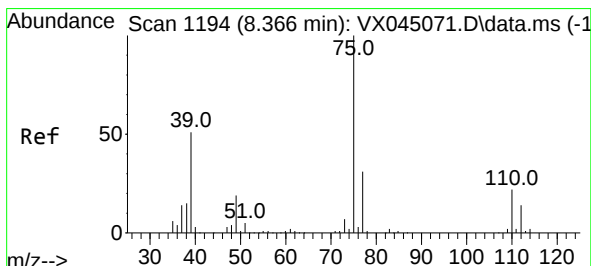
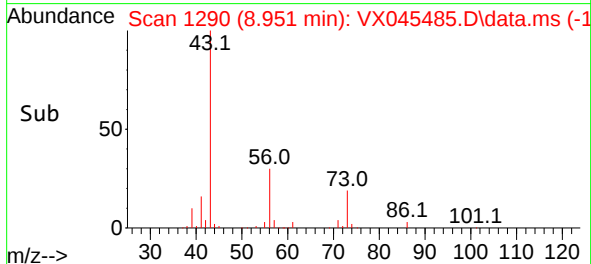
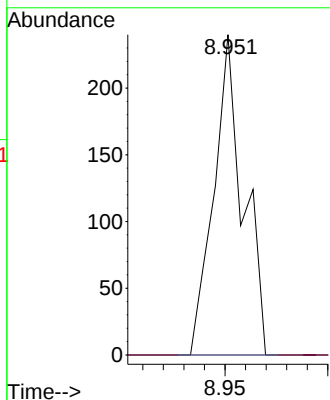
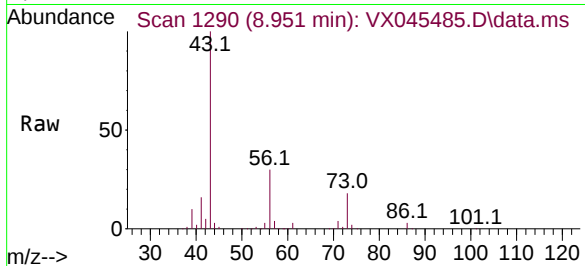




#53
 t-1,3-Dichloropropene
 Concen: 0.208 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX045485.D
 Acq: 27 Mar 2025 18:17

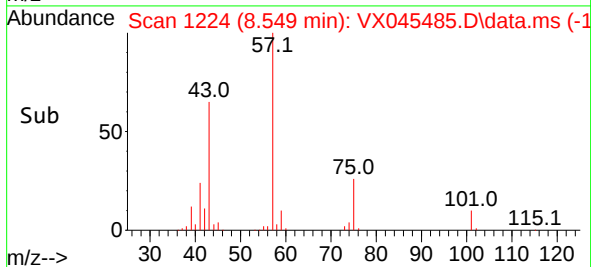
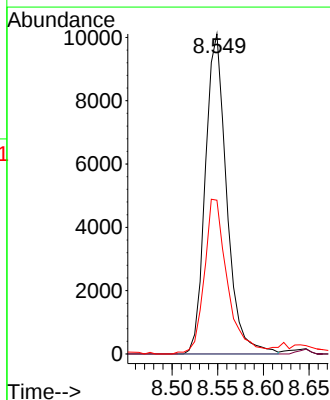
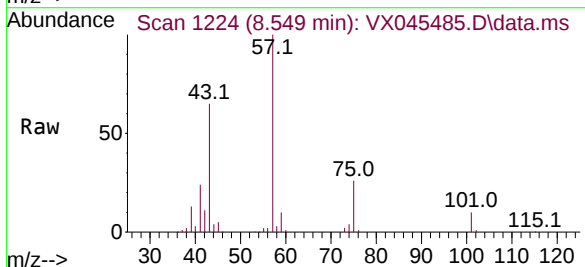
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#09

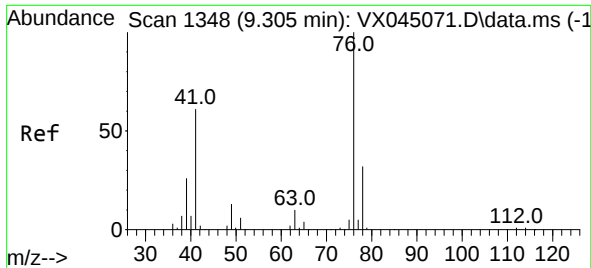
Tgt Ion: 75 Resp: 239
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#



#54
 cis-1,3-Dichloropropene
 Concen: 12.280 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045485.D
 Acq: 27 Mar 2025 18:17

Tgt Ion: 75 Resp: 16420
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 47.4 40.7 61.1





#57

1,3-Dichloropropane

Concen: 1.067 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045485.D

Acq: 27 Mar 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

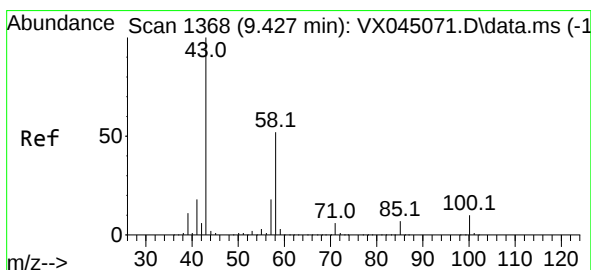
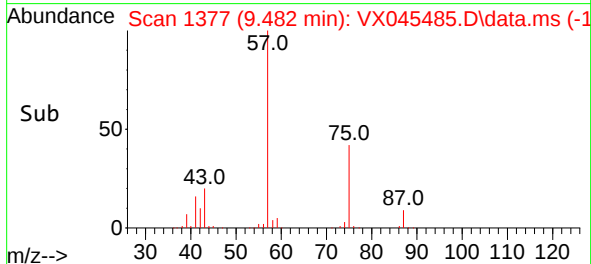
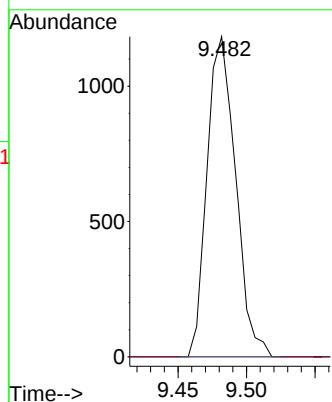
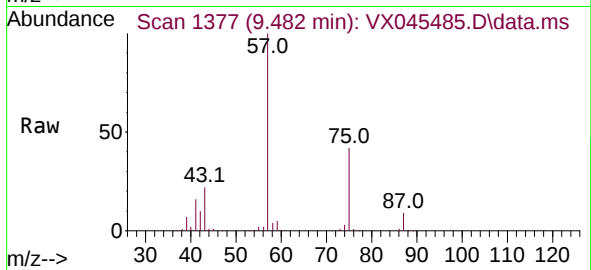
P167330ZHE#09

Tgt Ion: 76 Resp: 1717

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 9.423 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045485.D

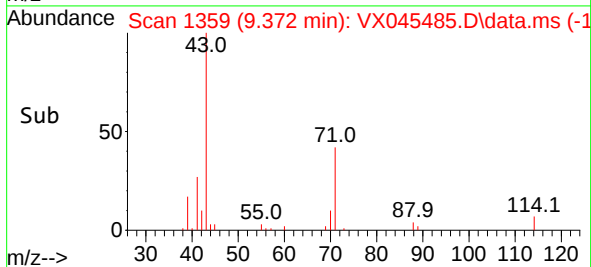
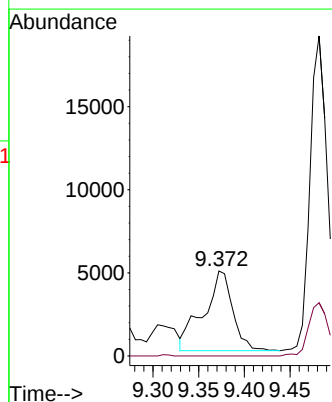
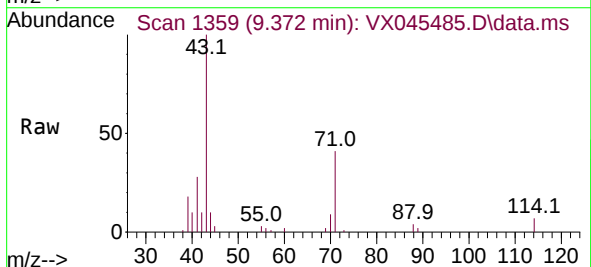
Acq: 27 Mar 2025 18:17

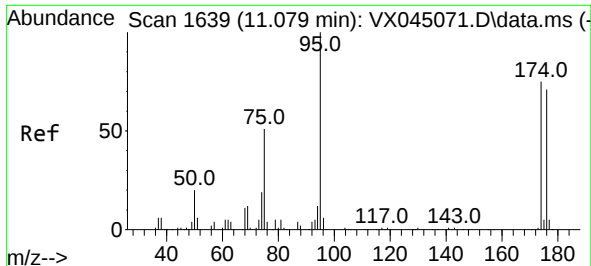
Tgt Ion: 43 Resp: 10644

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 56.756 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045485.D

Acq: 27 Mar 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#09

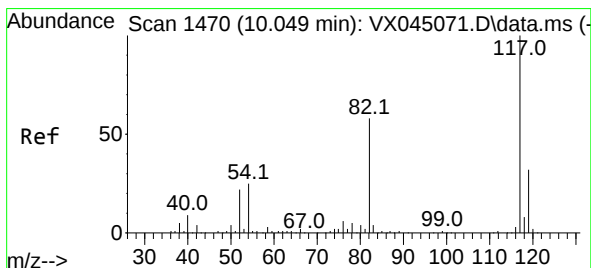
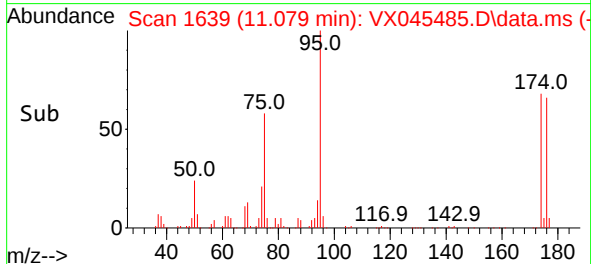
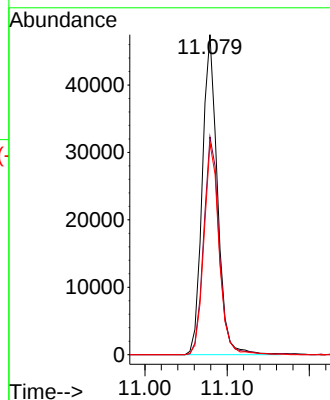
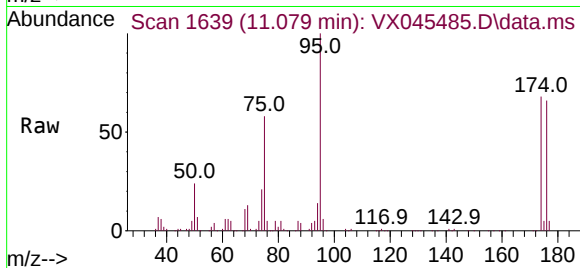
Tgt Ion: 95 Resp: 60584

Ion Ratio Lower Upper

95 100

174 69.8 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: VX045485.D

Acq: 27 Mar 2025 18:17

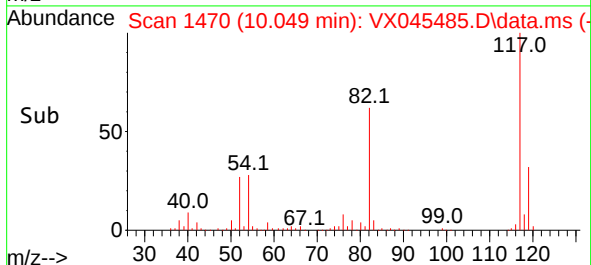
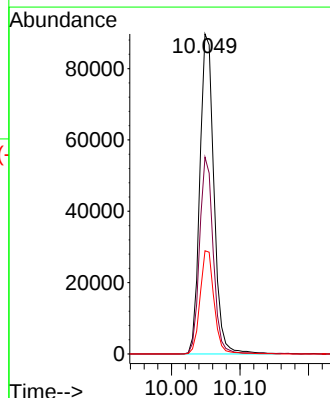
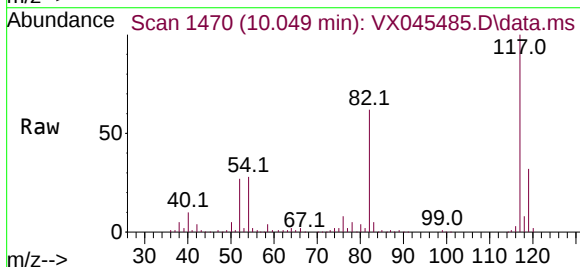
Tgt Ion: 117 Resp: 128539

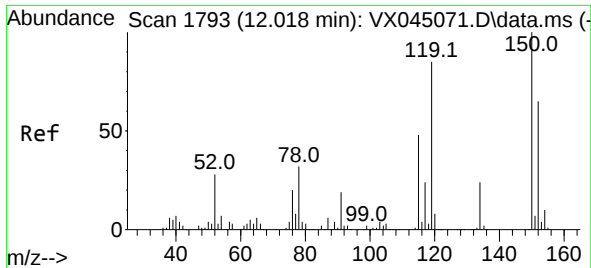
Ion Ratio Lower Upper

117 100

82 61.5 46.3 69.5

119 32.3 25.7 38.5

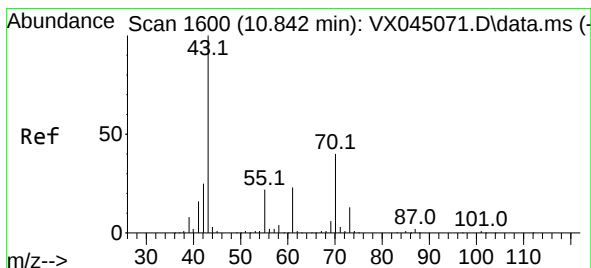
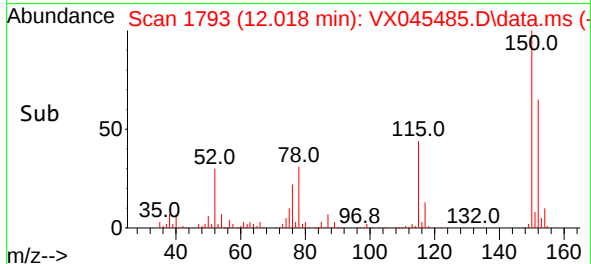
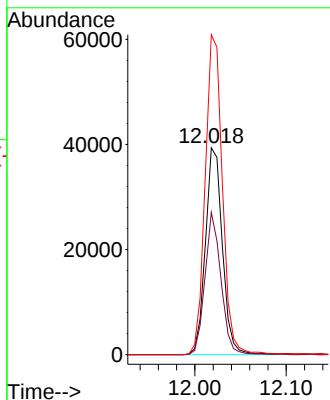
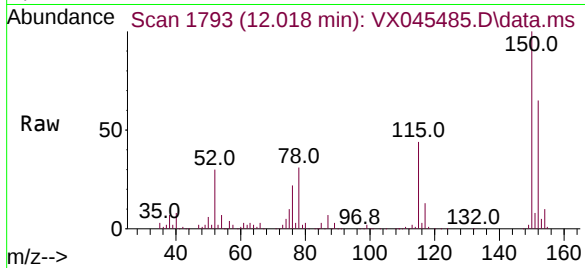




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045485.D
 Acq: 27 Mar 2025 18:17

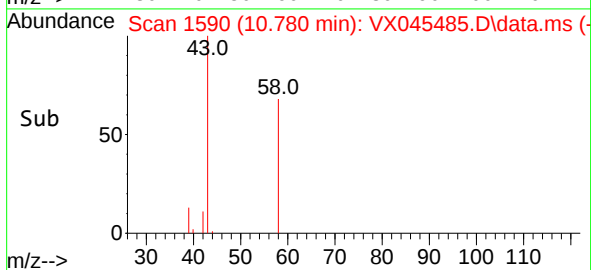
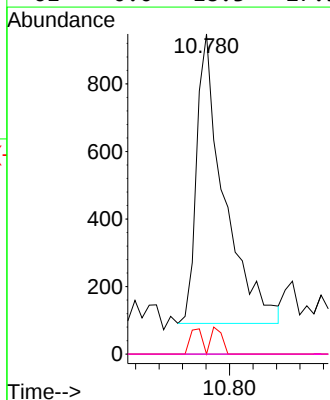
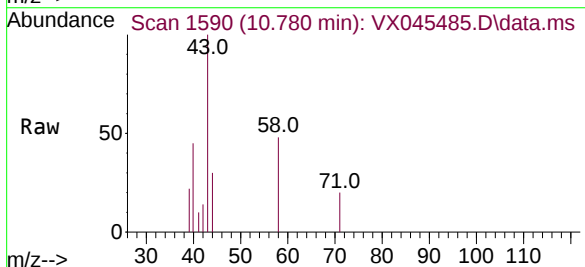
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#09

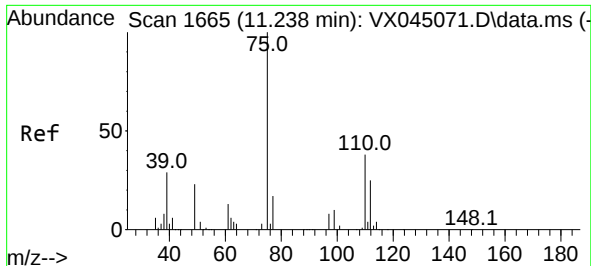
Tgt Ion:152 Resp: 50786
 Ion Ratio Lower Upper
 152 100
 115 64.8 44.2 132.6
 150 156.7 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.747 ug/l
 RT: 10.780 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX045485.D
 Acq: 27 Mar 2025 18:17

Tgt Ion: 43 Resp: 1389
 Ion Ratio Lower Upper
 43 100
 70 0.0 31.8 47.6#
 55 3.7 18.3 27.5#
 61 0.0 18.3 27.5#

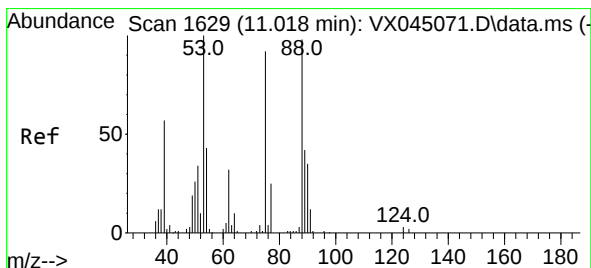
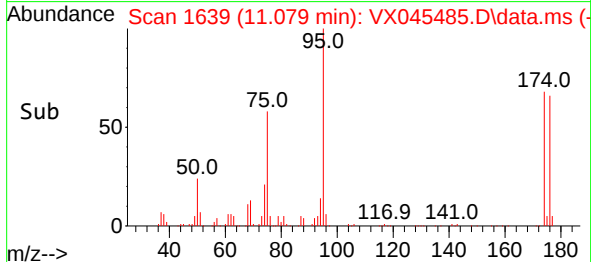
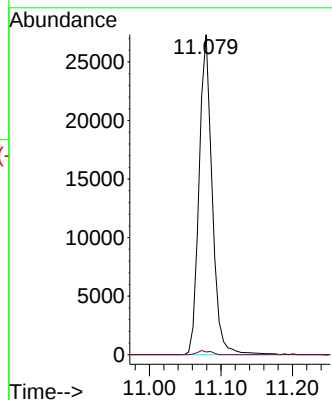
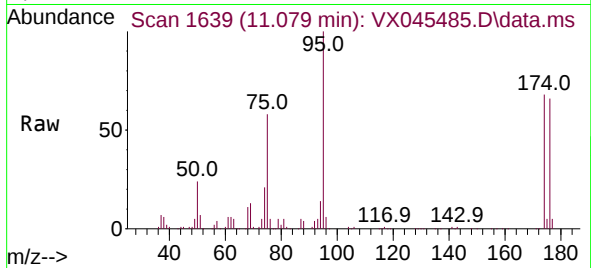




#76
1,2,3-Trichloropropane
Concen: 29.331 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#09

Tgt Ion: 75 Resp: 34671
Ion Ratio Lower Upper
75 100
77 1.3 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045485.D
Acq: 27 Mar 2025 18:17

Tgt Ion: 75 Resp: 34671
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.2 54.4#

