

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045483.D
 Acq On : 27 Mar 2025 17:30
 Operator : JC/MD
 Sample : P167330ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#07

Quant Time: Mar 28 01:36:44 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)

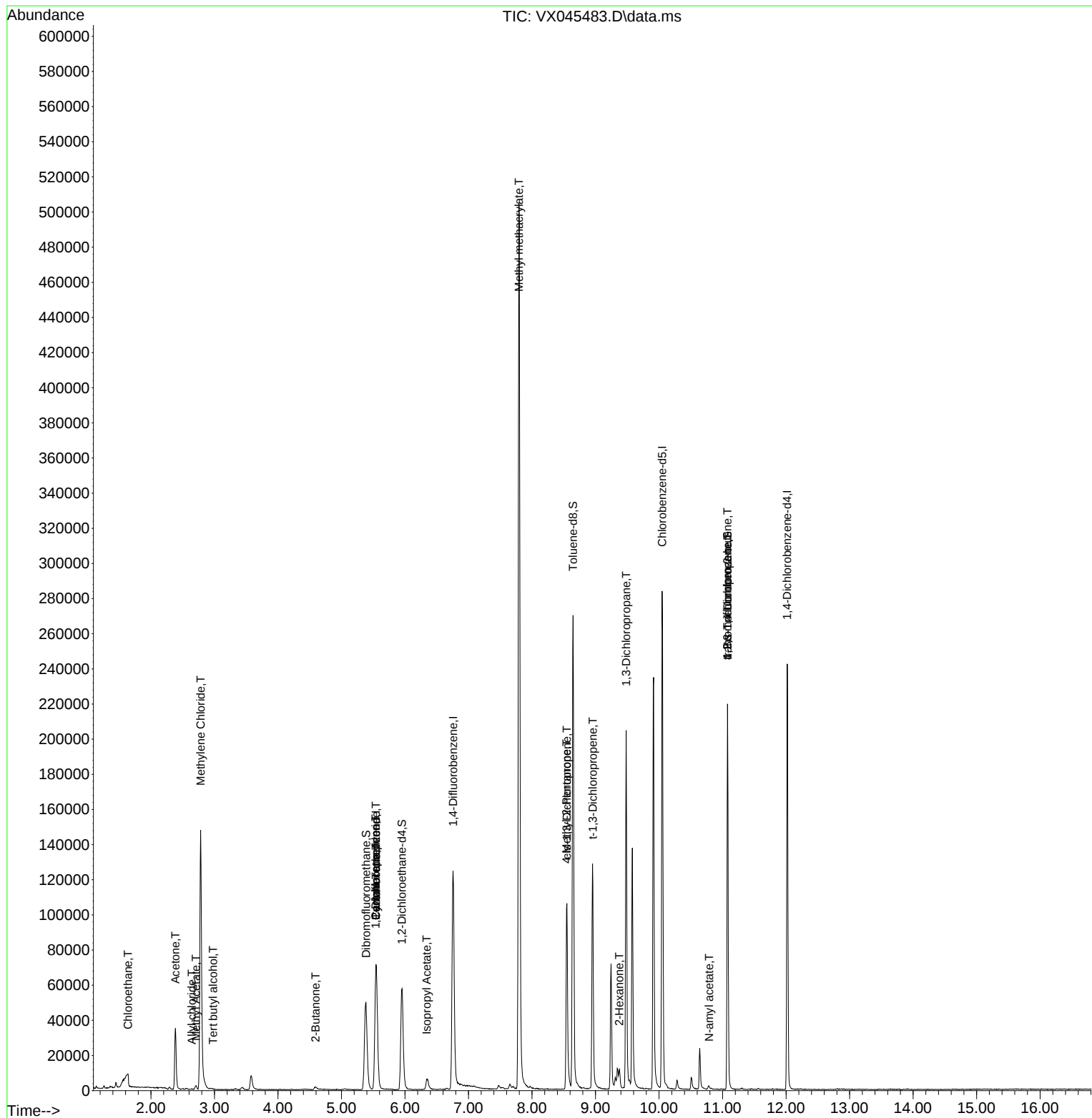
Internal Standards						
1) Pentafluorobenzene	5.543	168	62456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122874	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58816	59.204	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.400%
35) Dibromofluoromethane	5.385	113	43348	52.759	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.520%
50) Toluene-d8	8.647	98	157422	52.850	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.700%
62) 4-Bromofluorobenzene	11.079	95	54669	55.386	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.780%
Target Compounds						
					Qvalue	
6) Chloroethane	1.636	64	91	0.207	ug/l #	41
11) Tert butyl alcohol	2.977	59	382	2.030	ug/l #	73
14) Allyl chloride	2.642	41	411	0.301	ug/l #	51
16) Acetone	2.386	43	38318	83.132	ug/l	98
18) Methyl Acetate	2.709	43	3114	2.808	ug/l #	79
20) Methylene Chloride	2.782	84	68164	74.655	ug/l	96
25) 2-Butanone	4.592	43	3260	4.699	ug/l	96
31) Cyclohexane	5.543	56	1810	1.339	ug/l #	9
36) 1,1-Dichloropropene	5.537	75	6174	5.479	ug/l #	51
38) Carbon Tetrachloride	5.543	117	7281	6.365	ug/l #	17
43) Isopropyl Acetate	6.342	43	9271	4.318	ug/l	98
48) Methyl methacrylate	7.793	41	50943	47.296	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	42239	29.300	ug/l #	52
53) t-1,3-Dichloropropene	8.957	75	268	0.253	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16138	13.052	ug/l #	75
57) 1,3-Dichloropropane	9.482	76	1599	1.075	ug/l #	43
59) 2-Hexanone	9.372	43	7782	7.451	ug/l #	26
74) N-amyl acetate	10.786	43	1905	1.180	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	31682	30.876	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	31682	105.663	ug/l #	6

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

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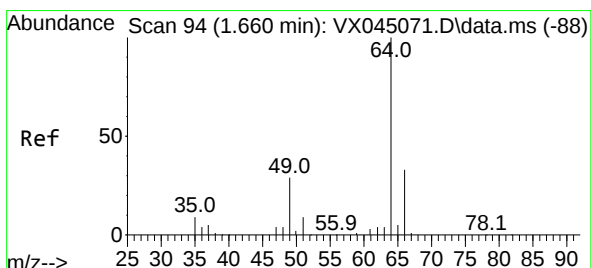
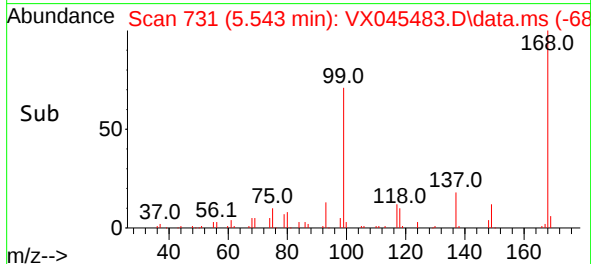
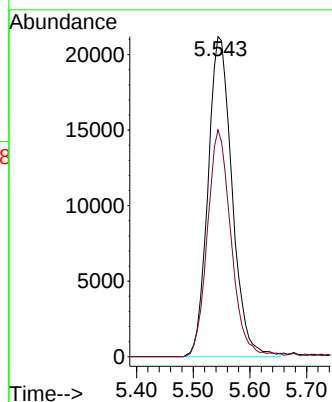
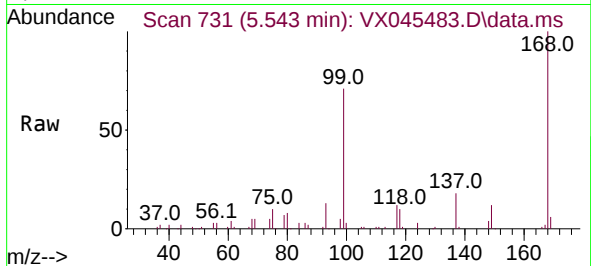




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

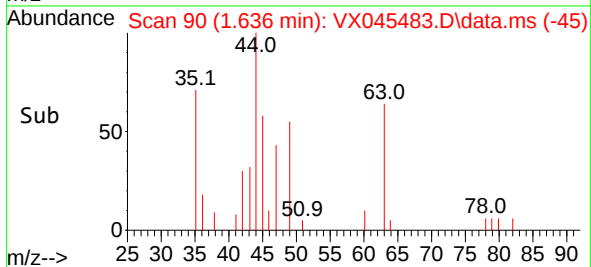
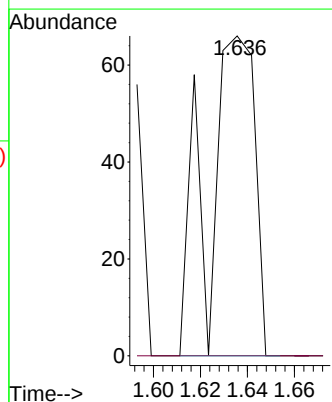
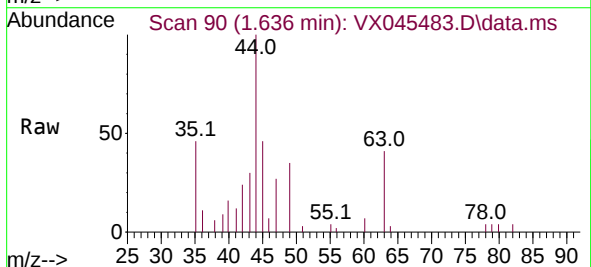
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

Tgt Ion:168 Resp: 62456
Ion Ratio Lower Upper
168 100
99 70.9 48.2 72.4



#6
Chloroethane
Concen: 0.207 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.025 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#11

Tert butyl alcohol

Concen: 2.030 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX045483.D

Acq: 27 Mar 2025 17:30

Instrument :

MSVOA_X

ClientSampleId :

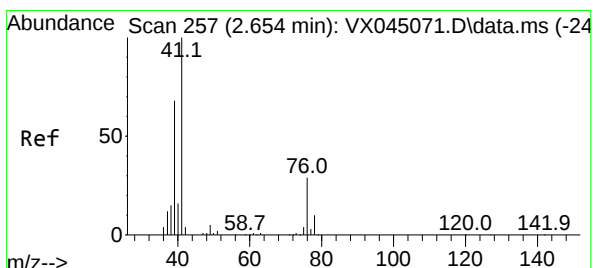
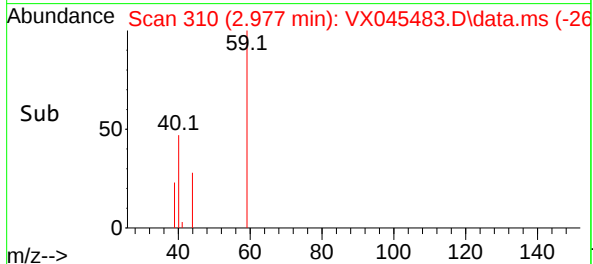
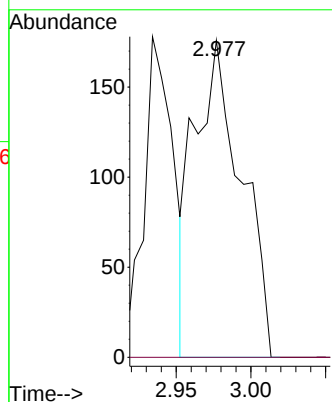
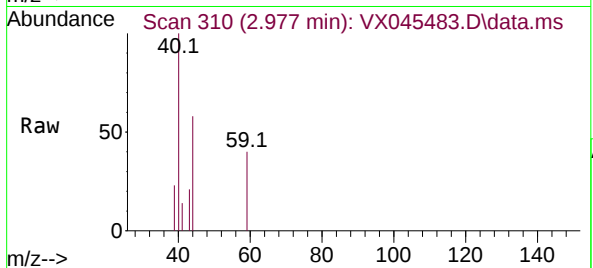
P167330ZHE#07

Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#14

Allyl chloride

Concen: 0.301 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.012 min

Lab File: VX045483.D

Acq: 27 Mar 2025 17:30

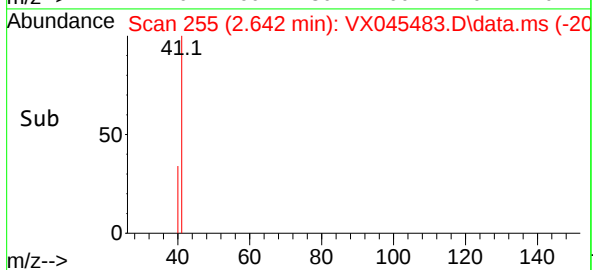
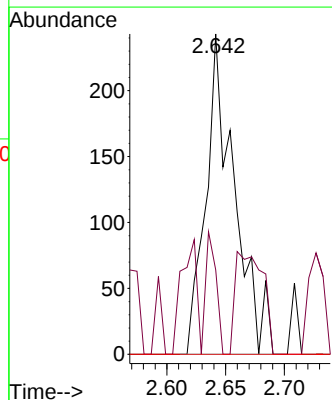
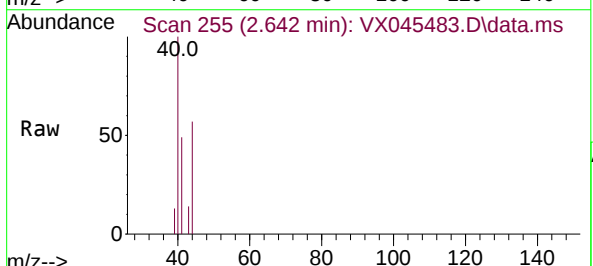
Tgt Ion: 41 Resp: 411

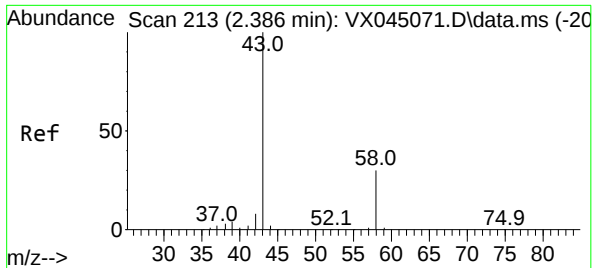
Ion Ratio Lower Upper

41 100

39 31.1 53.8 80.8#

76 0.0 25.2 37.8#

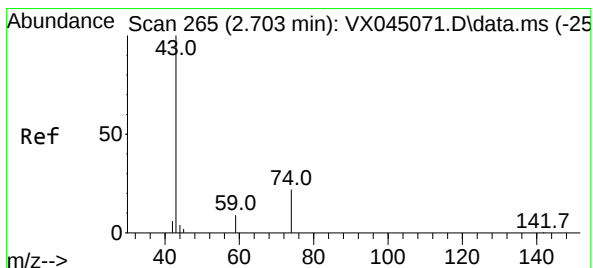
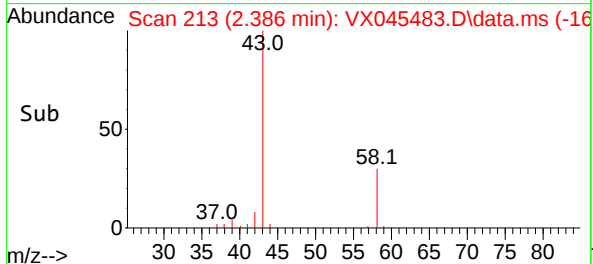
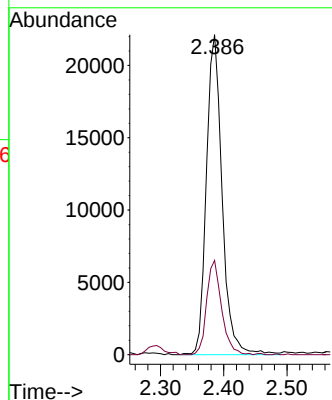
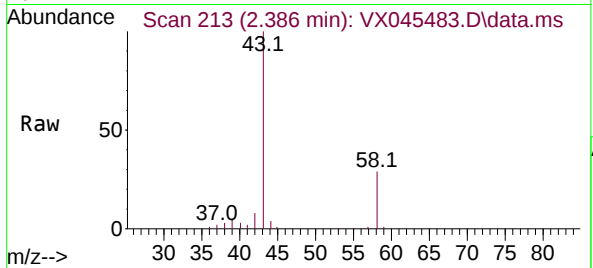




#16
Acetone
Concen: 83.132 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

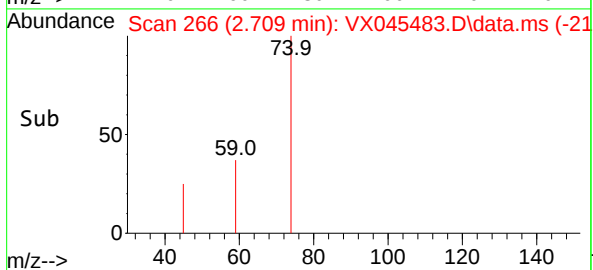
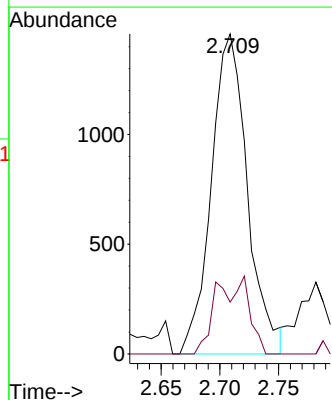
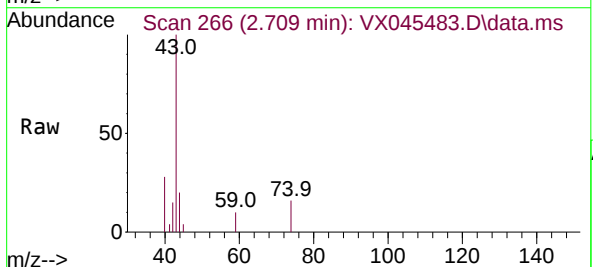
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

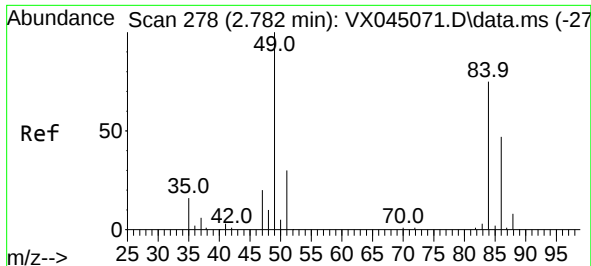
Tgt Ion: 43 Resp: 38318
Ion Ratio Lower Upper
43 100
58 29.5 24.2 36.4



#18
Methyl Acetate
Concen: 2.808 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 43 Resp: 3114
Ion Ratio Lower Upper
43 100
74 11.8 17.4 26.2#





#20

Methylene Chloride

Concen: 74.655 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045483.D

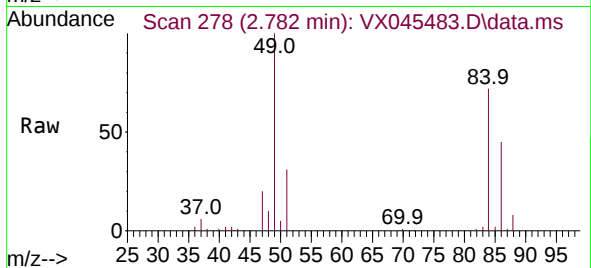
Acq: 27 Mar 2025 17:30

Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#07



Tgt Ion: 84 Resp: 68164

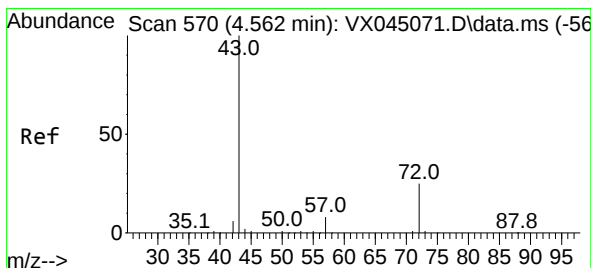
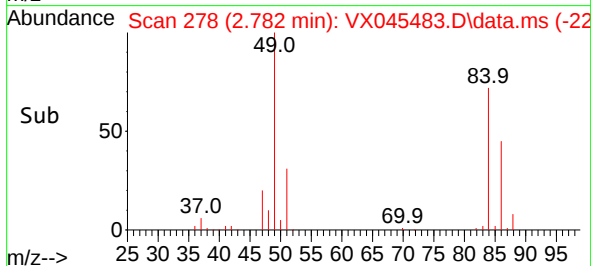
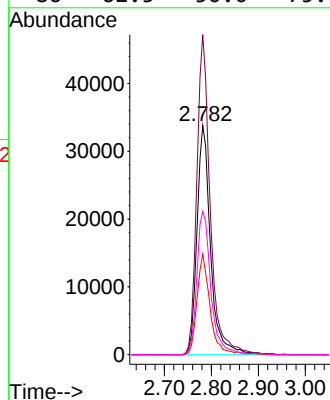
Ion Ratio Lower Upper

84 100

49 139.6 106.5 159.7

51 43.9 32.1 48.1

86 62.5 50.0 75.0



#25

2-Butanone

Concen: 4.699 ug/l

RT: 4.592 min Scan# 575

Delta R.T. 0.030 min

Lab File: VX045483.D

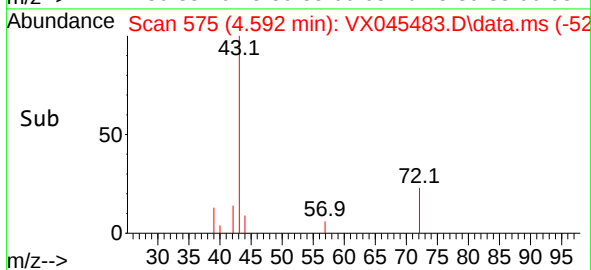
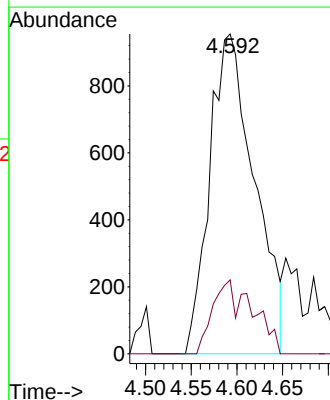
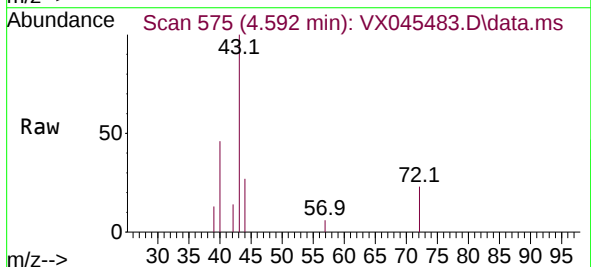
Acq: 27 Mar 2025 17:30

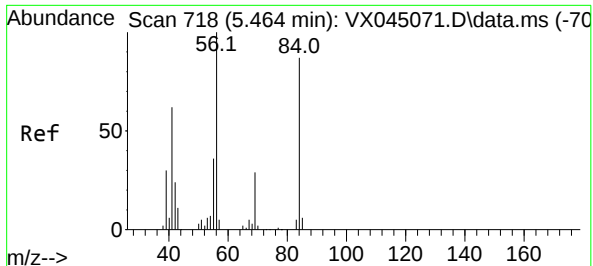
Tgt Ion: 43 Resp: 3260

Ion Ratio Lower Upper

43 100

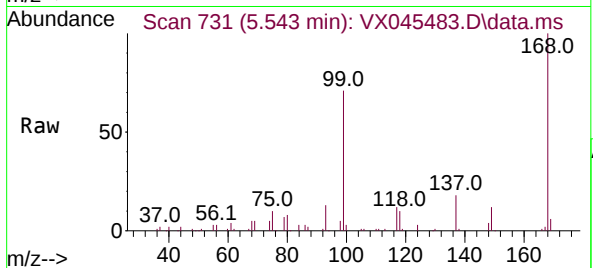
72 23.1 20.0 30.0



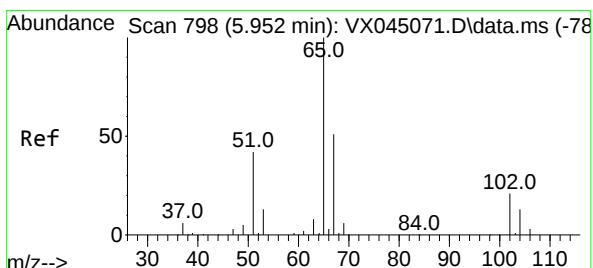
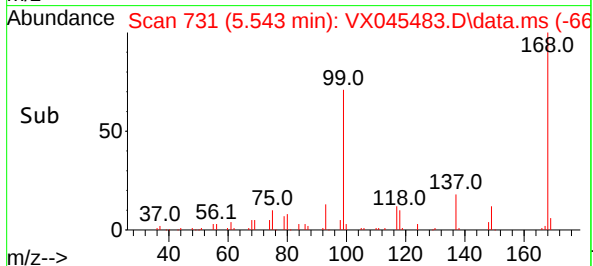
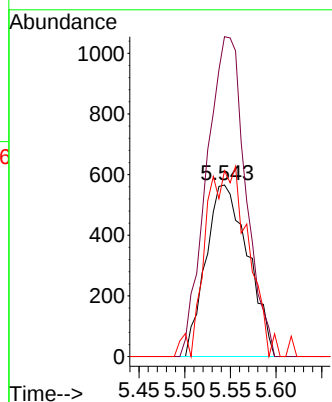


#31
Cyclohexane
Concen: 1.339 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

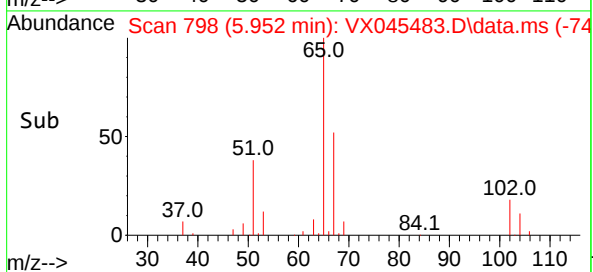
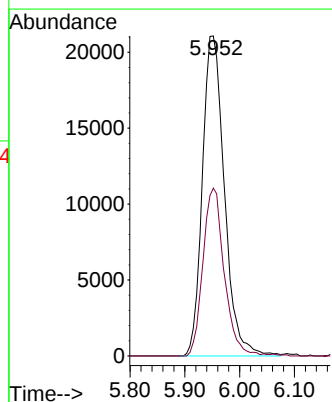
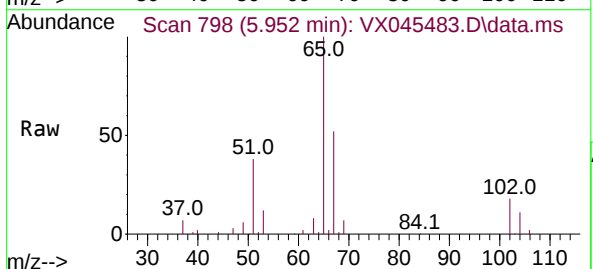


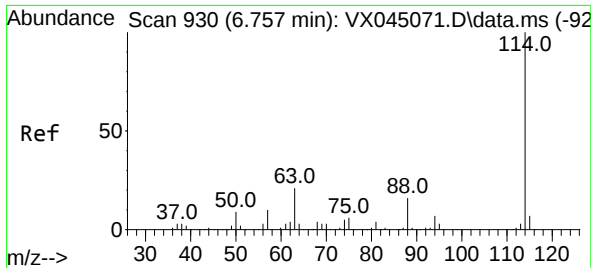
Tgt Ion: 56 Resp: 1810
Ion Ratio Lower Upper
56 100
69 186.4 23.4 35.2#
84 108.3 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 59.204 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 65 Resp: 58816
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2

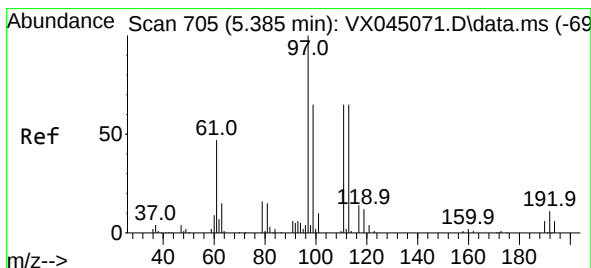
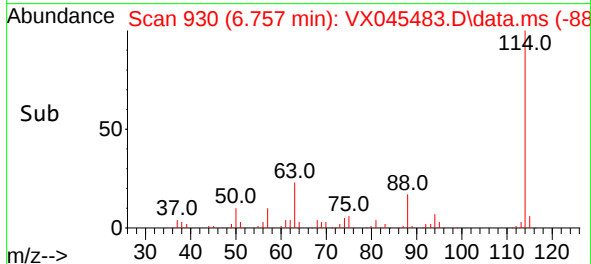
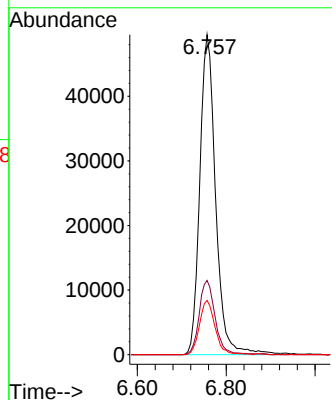
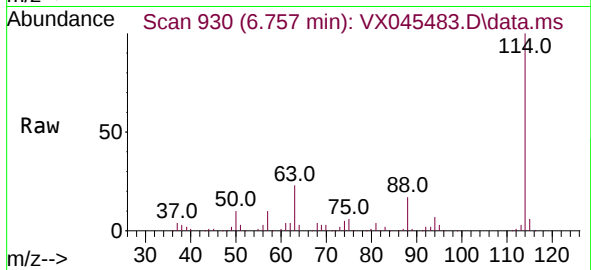




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

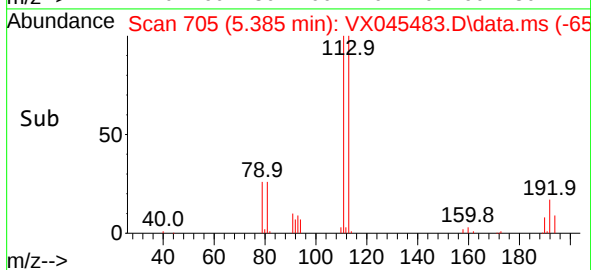
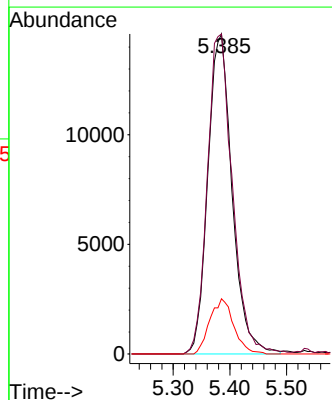
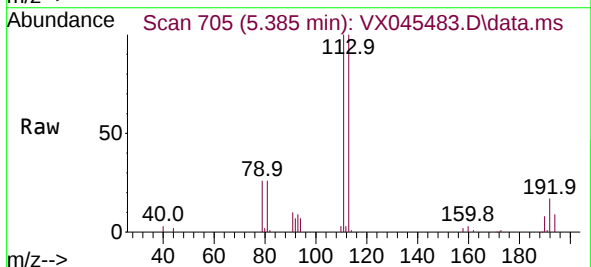
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

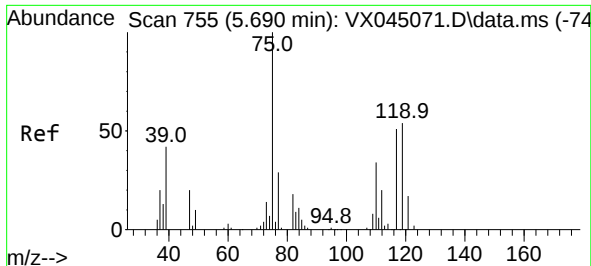
Tgt Ion:114 Resp: 122874
Ion Ratio Lower Upper
114 100
63 23.2 0.0 41.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.759 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion:113 Resp: 43348
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 17.1 14.3 21.5

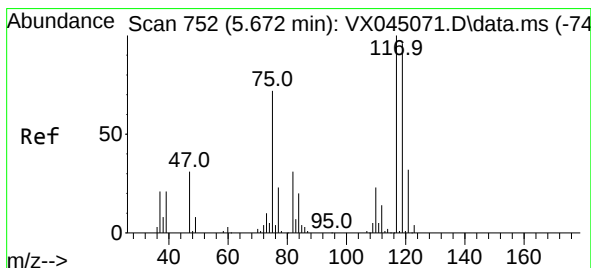
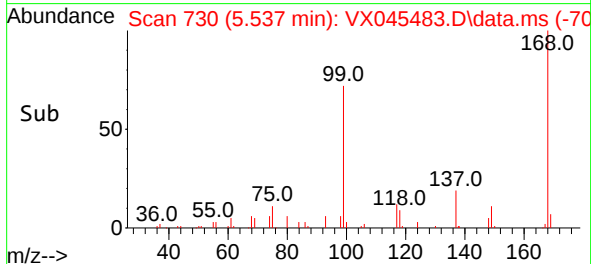
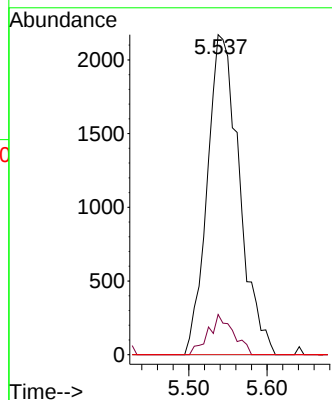
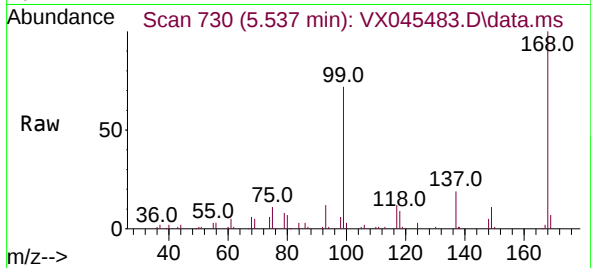




#36
1,1-Dichloropropene
Concen: 5.479 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.153 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

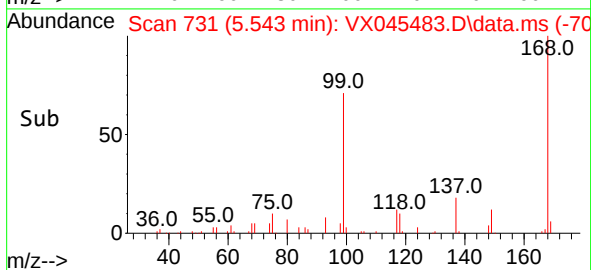
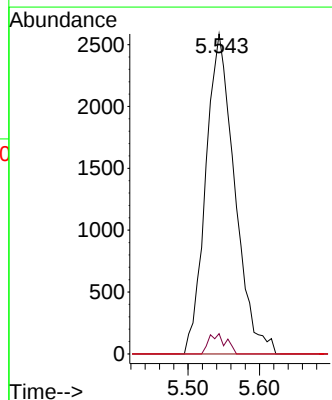
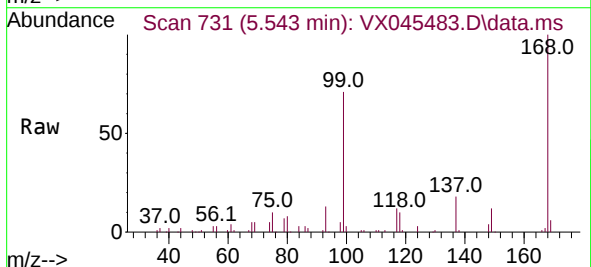
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

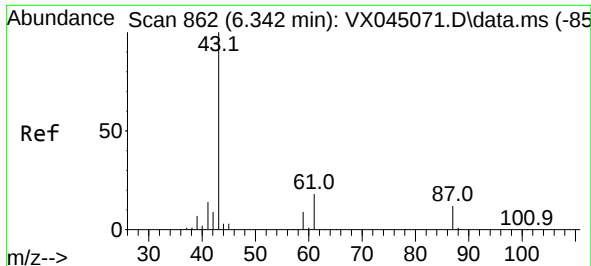
Tgt Ion: 75 Resp: 6174
Ion Ratio Lower Upper
75 100
110 9.8 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.365 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 117 Resp: 7281
Ion Ratio Lower Upper
117 100
119 6.3 76.7 115.1#
121 0.0 25.5 38.3#

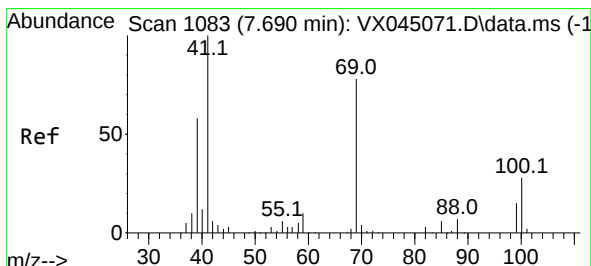
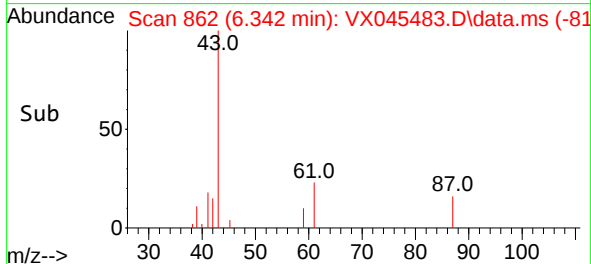
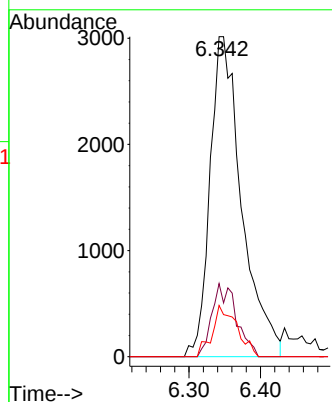
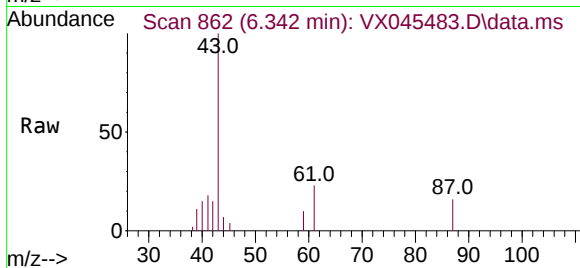




#43
Isopropyl Acetate
Concen: 4.318 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

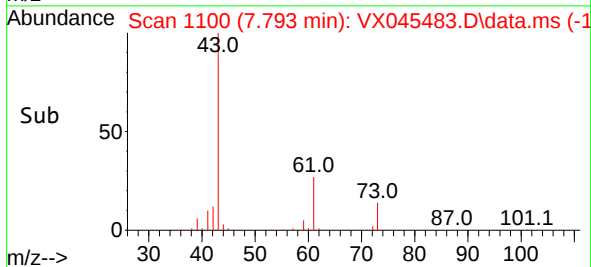
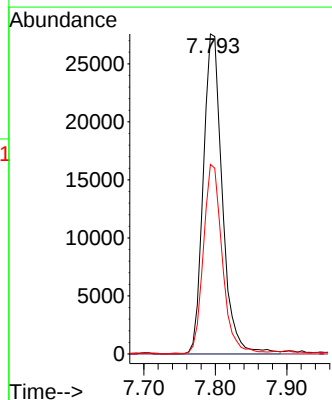
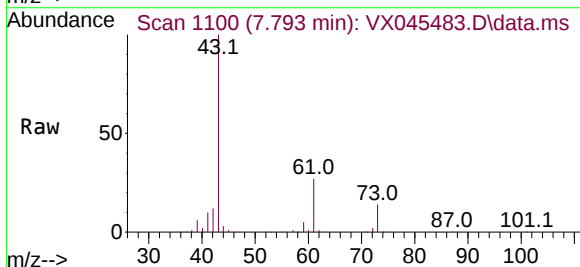
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

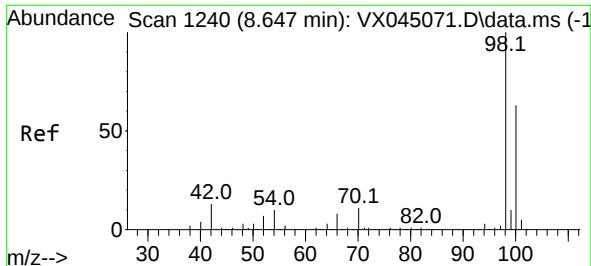
Tgt Ion: 43 Resp: 9271
Ion Ratio Lower Upper
43 100
61 17.7 14.9 22.3
87 12.5 9.4 14.2



#48
Methyl methacrylate
Concen: 47.296 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 41 Resp: 50943
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 59.3 47.5 71.3

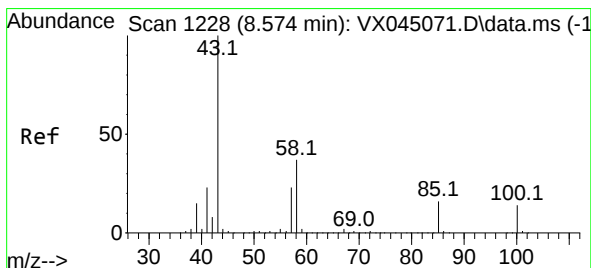
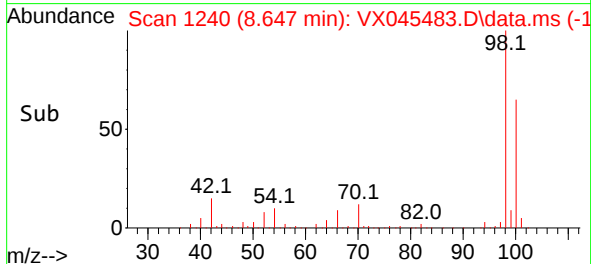
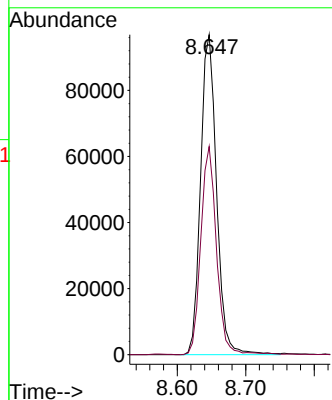
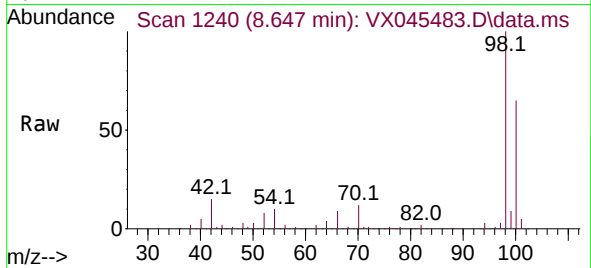




#50
Toluene-d8
Concen: 52.850 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

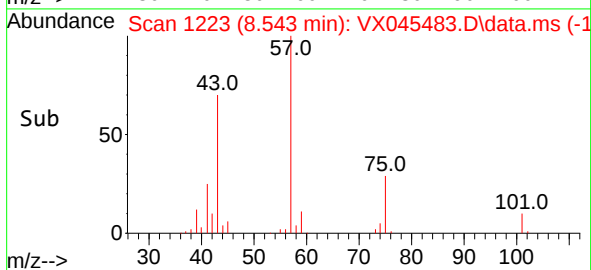
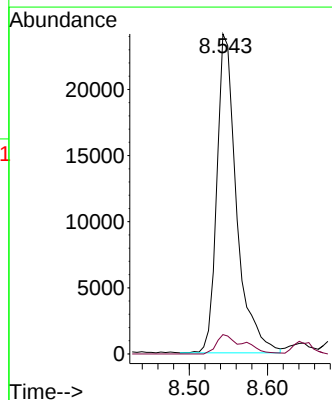
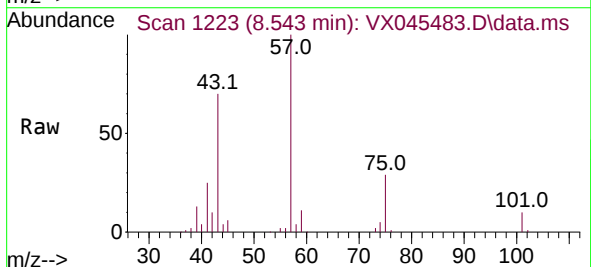
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

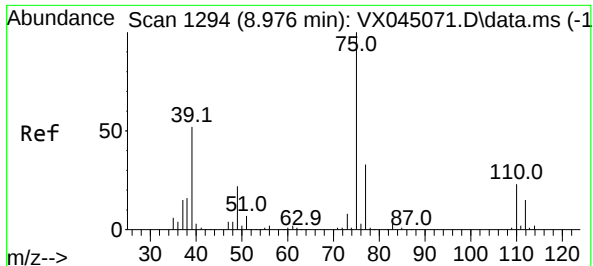
Tgt Ion: 98 Resp: 157422
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 29.300 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 43 Resp: 42239
Ion Ratio Lower Upper
43 100
58 8.4 29.2 43.8#

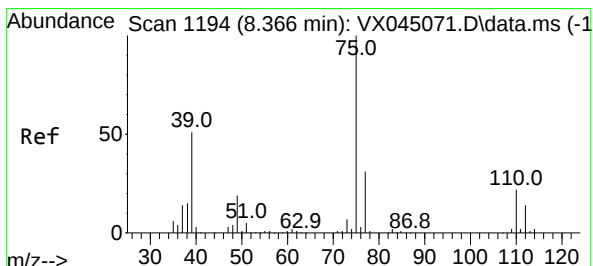
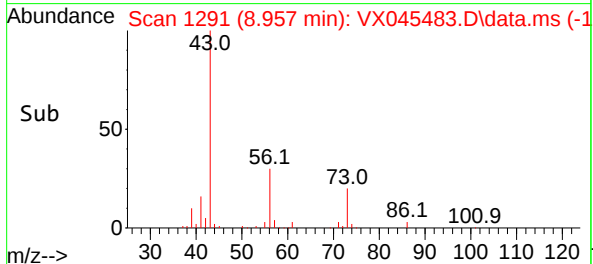
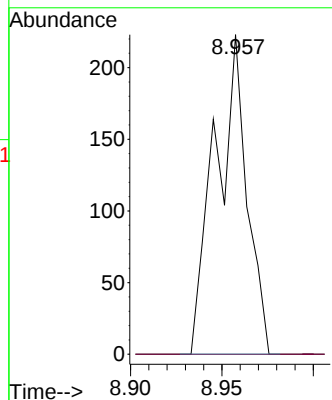
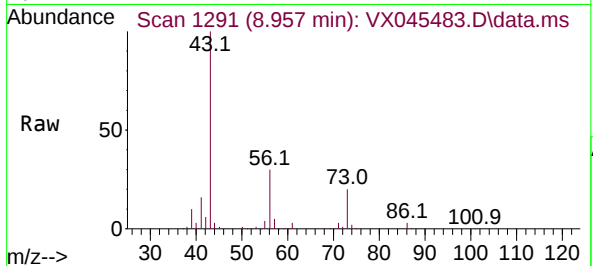




#53
 t-1,3-Dichloropropene
 Concen: 0.253 ug/l
 RT: 8.957 min Scan# 1124
 Delta R.T. -0.019 min
 Lab File: VX045483.D
 Acq: 27 Mar 2025 17:30

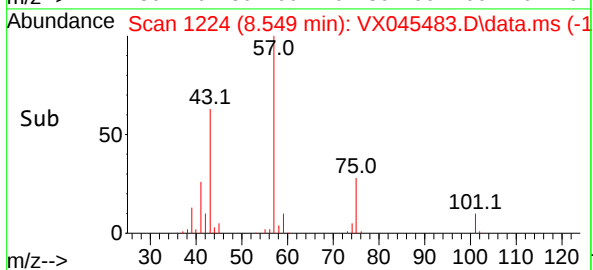
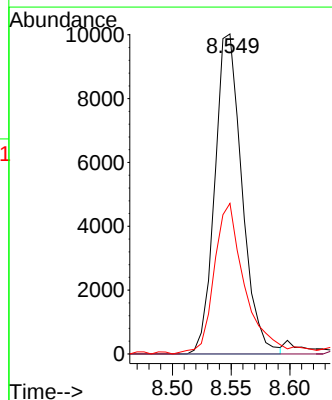
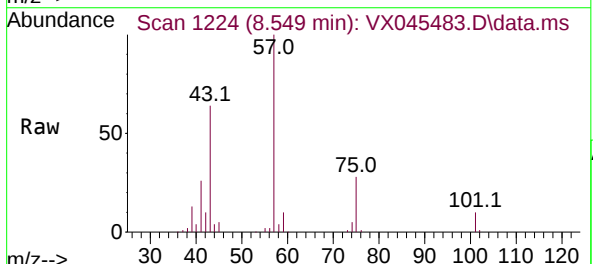
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#07

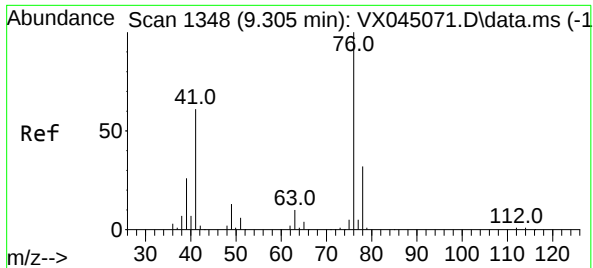
Tgt Ion: 75 Resp: 268
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#



#54
 cis-1,3-Dichloropropene
 Concen: 13.052 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045483.D
 Acq: 27 Mar 2025 17:30

Tgt Ion: 75 Resp: 16138
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 46.5 40.7 61.1





#57

1,3-Dichloropropane

Concen: 1.075 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045483.D

Acq: 27 Mar 2025 17:30

Instrument :

MSVOA_X

ClientSampleId :

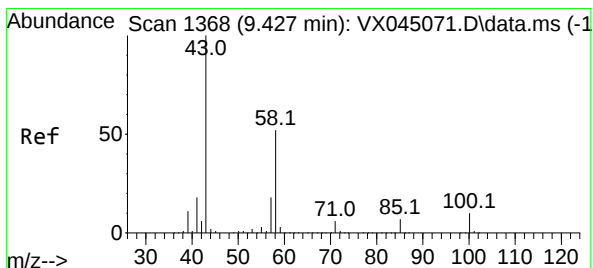
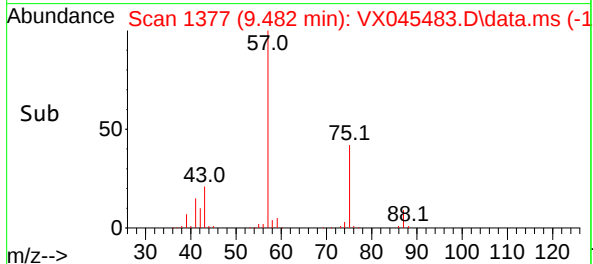
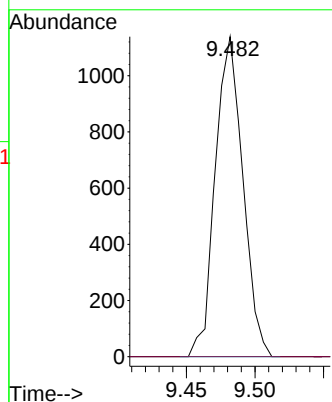
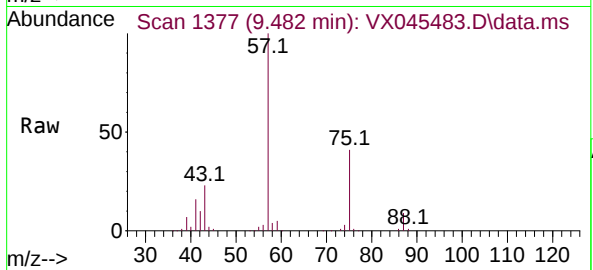
P167330ZHE#07

Tgt Ion: 76 Resp: 1599

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 7.451 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045483.D

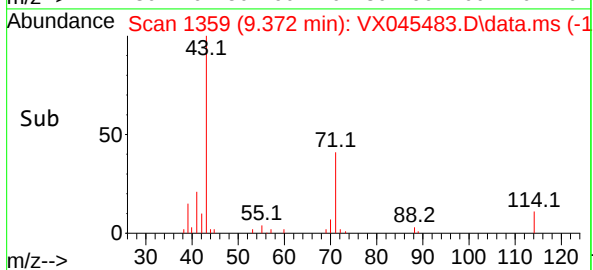
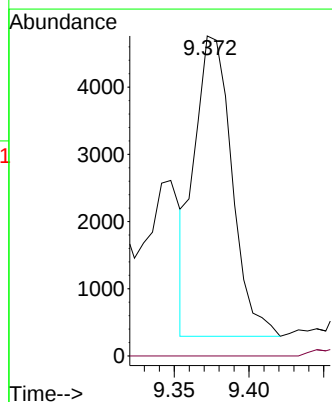
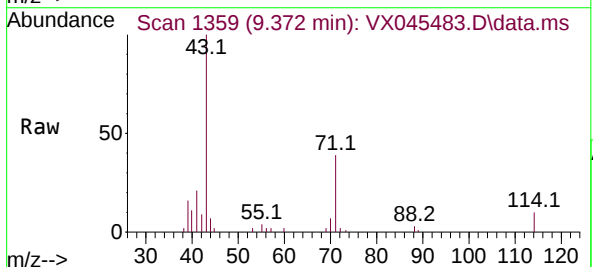
Acq: 27 Mar 2025 17:30

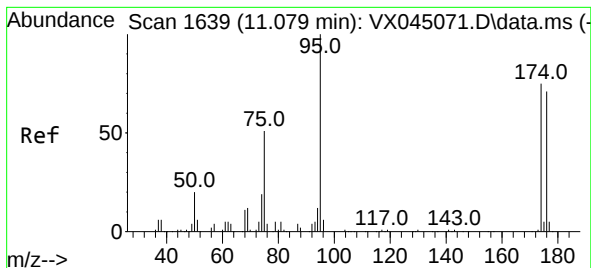
Tgt Ion: 43 Resp: 7782

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

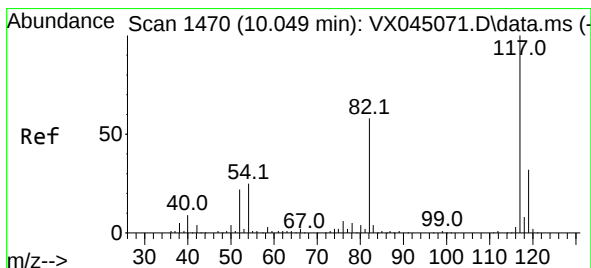
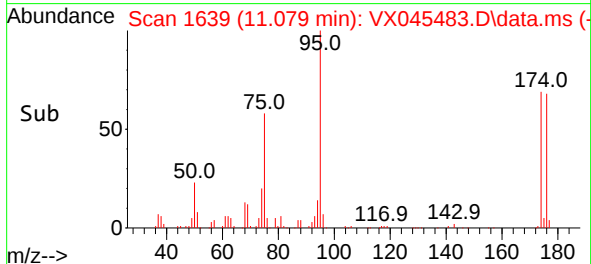
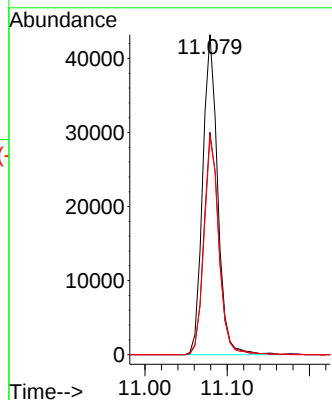
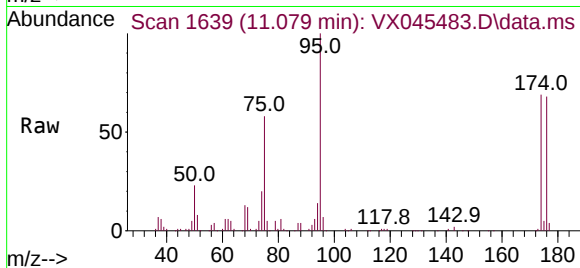




#62
4-Bromofluorobenzene
Concen: 55.386 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

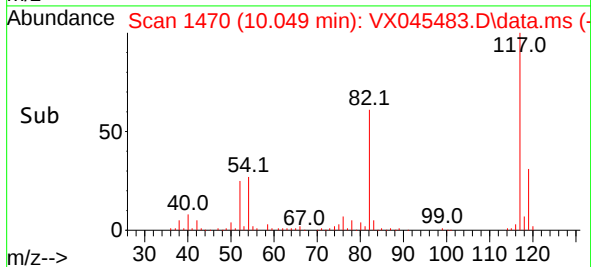
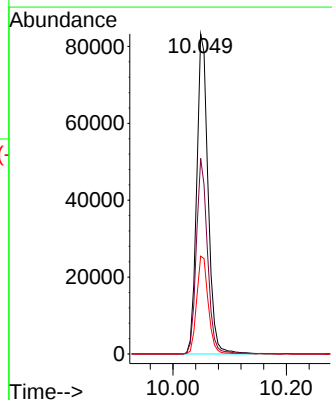
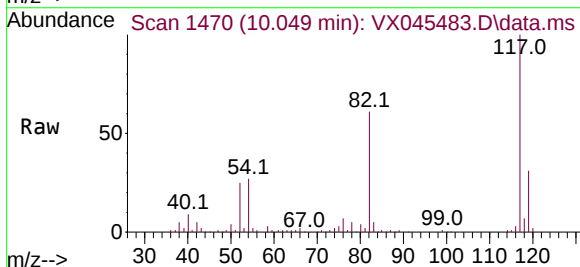
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

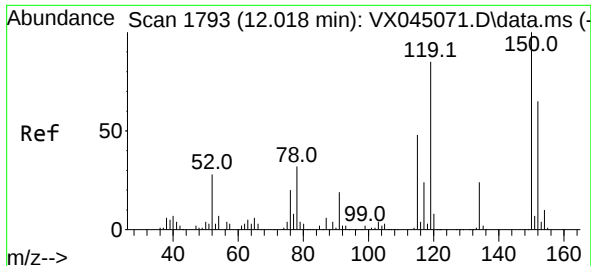
Tgt Ion: 95 Resp: 54669
Ion Ratio Lower Upper
95 100
174 69.2 0.0 148.2
176 68.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 117 Resp: 115808
Ion Ratio Lower Upper
117 100
82 61.1 46.3 69.5
119 30.6 25.7 38.5

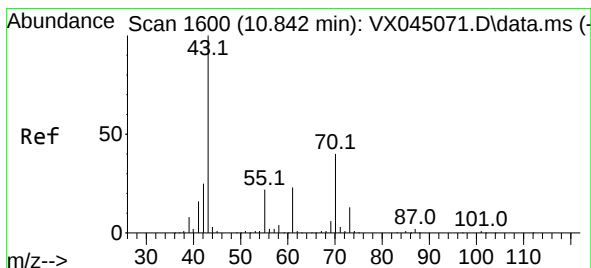
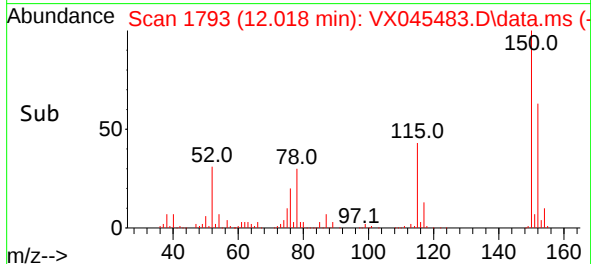
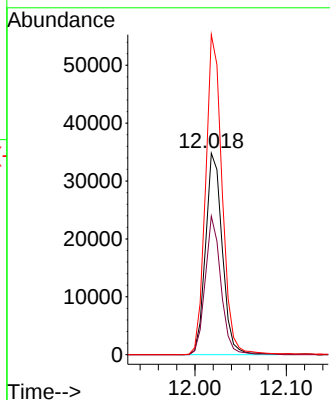
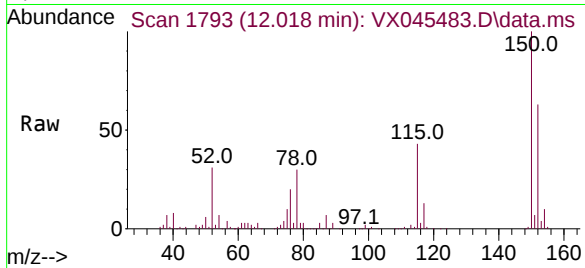




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

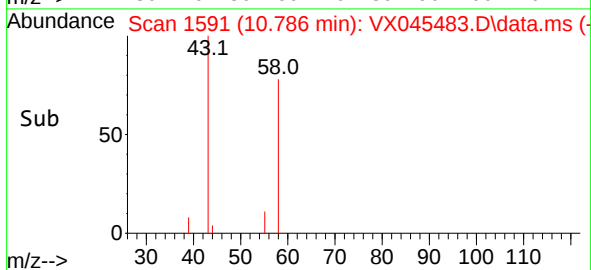
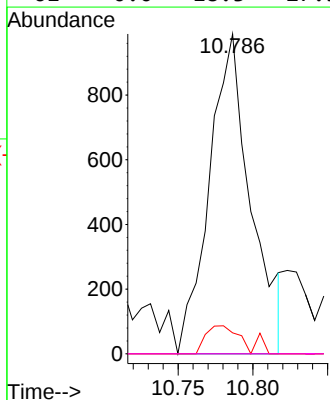
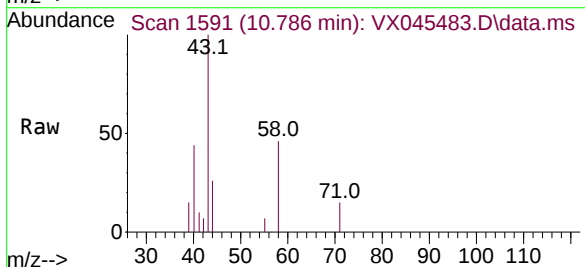
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

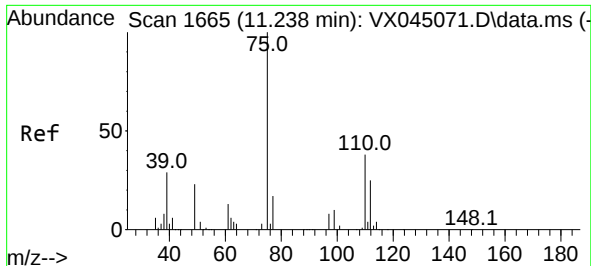
Tgt Ion:152 Resp: 44086
Ion Ratio Lower Upper
152 100
115 64.6 44.2 132.6
150 157.8 0.0 349.0



#74
N-ethyl acetate
Concen: 1.180 ug/l
RT: 10.786 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 6.8 18.3 27.5#
61 0.0 18.3 27.5#

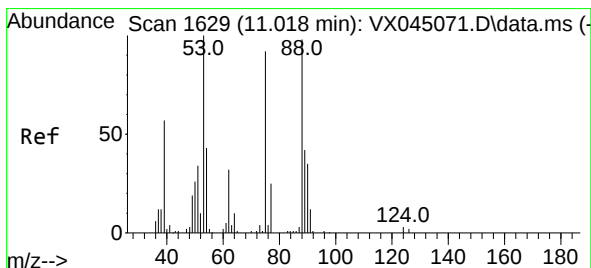
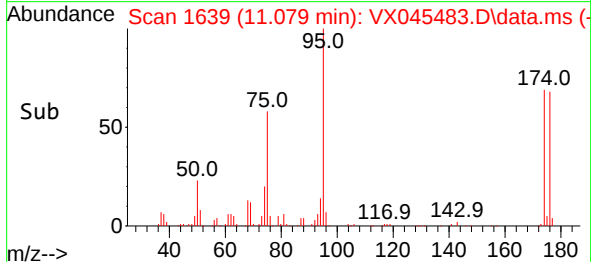
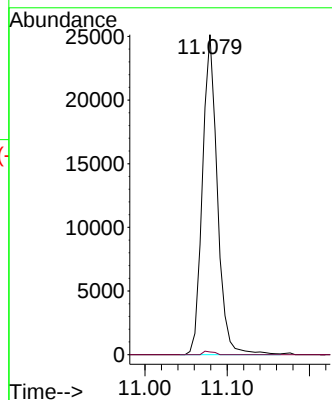
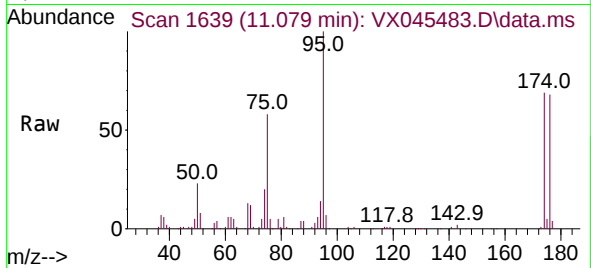




#76
1,2,3-Trichloropropane
Concen: 30.876 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#07

Tgt Ion: 75 Resp: 31682
Ion Ratio Lower Upper
75 100
77 0.8 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.663 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045483.D
Acq: 27 Mar 2025 17:30

Tgt Ion: 75 Resp: 31682
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

