

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045644.D
 Acq On : 08 Apr 2025 12:05
 Operator : JC/MD
 Sample : PB167492ZHE02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE02

Quant Time: Apr 09 01:35:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

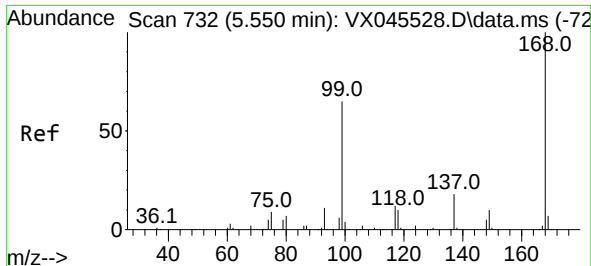
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	63985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64723	55.313	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.620%	
35) Dibromofluoromethane	5.379	113	45823	50.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.220%	
50) Toluene-d8	8.647	98	163894	51.859	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.720%	
62) 4-Bromofluorobenzene	11.079	95	61008	52.997	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	126	0.295	ug/l #	51
6) Chloroethane	1.654	64	136	0.285	ug/l #	42
11) Tert butyl alcohol	2.989	59	1895	12.051	ug/l #	85
13) Acrolein	2.233	56	155	0.716	ug/l #	62
14) Allyl chloride	2.642	41	459	0.315	ug/l #	21
16) Acetone	2.386	43	105560	219.695	ug/l	98
18) Methyl Acetate	2.709	43	2172	1.963	ug/l	96
20) Methylene Chloride	2.782	84	11807	13.126	ug/l	97
23) Vinyl Acetate	3.574	43	1166	0.470	ug/l #	74
25) 2-Butanone	4.574	43	10959	15.582	ug/l	96
29) Tetrahydrofuran	5.062	42	163	0.357	ug/l #	59
31) Cyclohexane	5.538	56	1885	1.313	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	6569	5.373	ug/l #	49
37) Ethyl Acetate	4.574	43	10959	7.113	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7922	5.996	ug/l #	15
43) Isopropyl Acetate	6.342	43	8262	3.538	ug/l	95
48) Methyl methacrylate	7.793	41	46600	38.652	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	40412	26.107	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	185	2.418	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13852	10.321	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1420	0.906	ug/l #	42
59) 2-Hexanone	9.378	43	7755	6.765	ug/l #	28
74) N-amyl acetate	10.774	43	2331	1.206	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	35865	29.136	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35865	98.883	ug/l #	1

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

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Quant Title : SW846 8260
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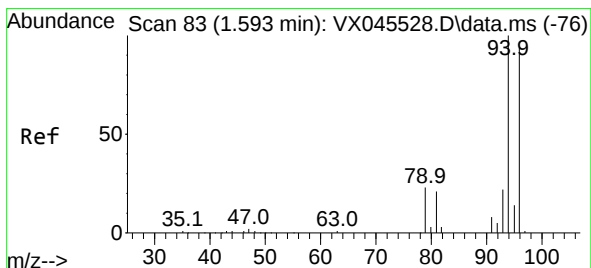
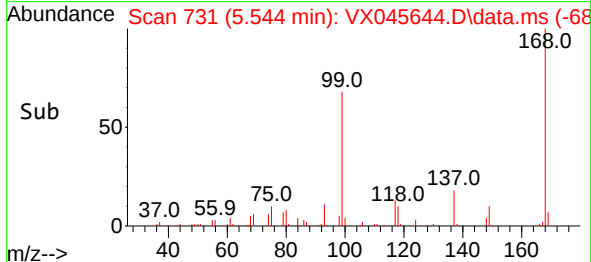
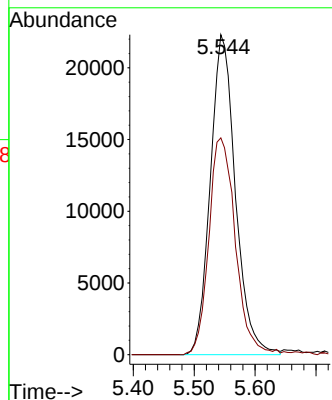
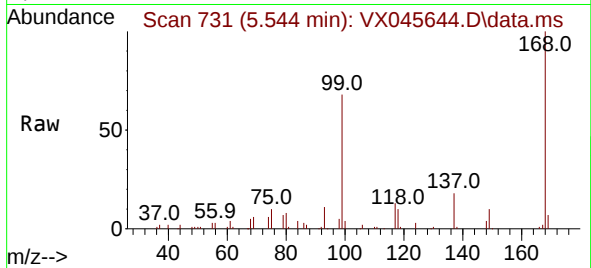




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

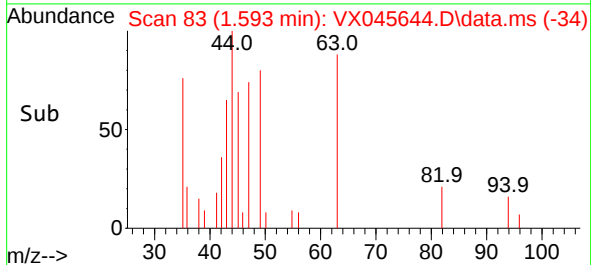
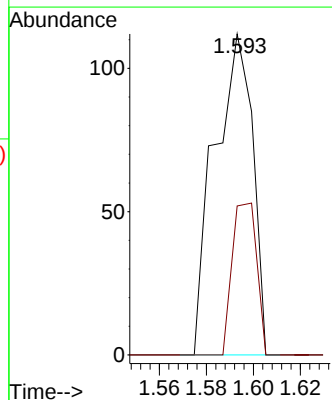
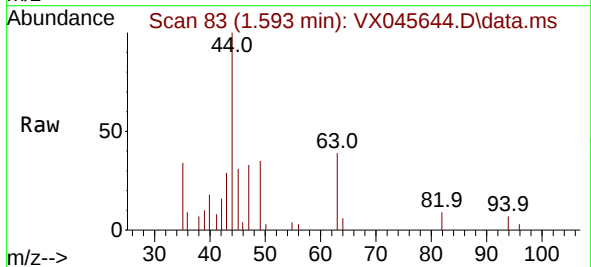
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

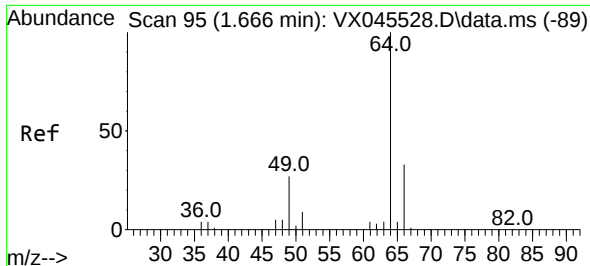
Tgt Ion:168 Resp: 63985
Ion Ratio Lower Upper
168 100
99 67.8 52.3 78.5



#5
Bromomethane
Concen: 0.295 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 46.4 74.8 112.2#

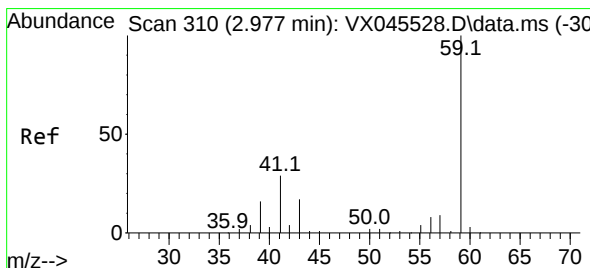
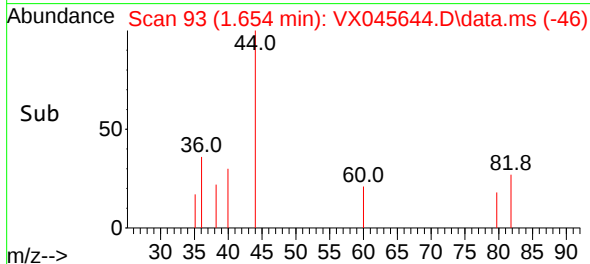
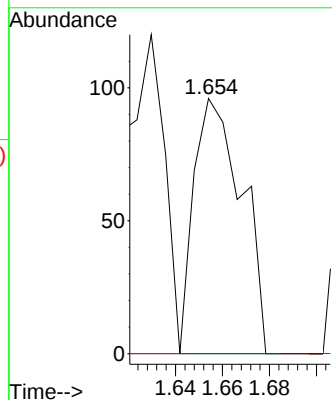
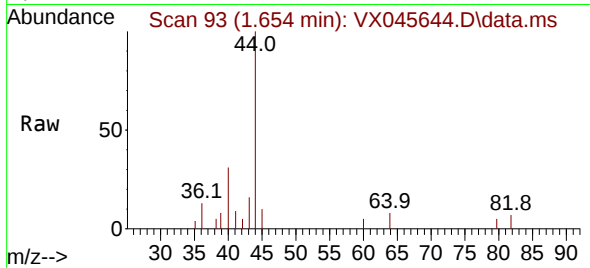




#6
Chloroethane
Concen: 0.285 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

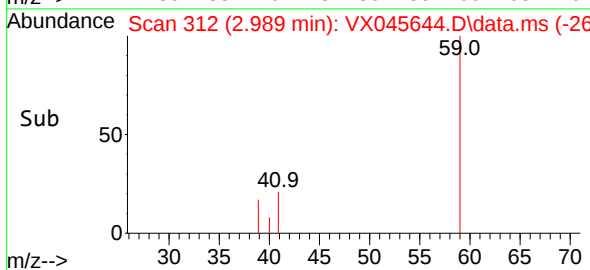
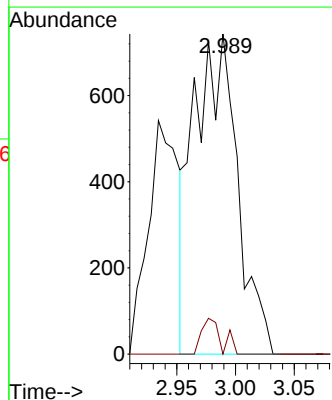
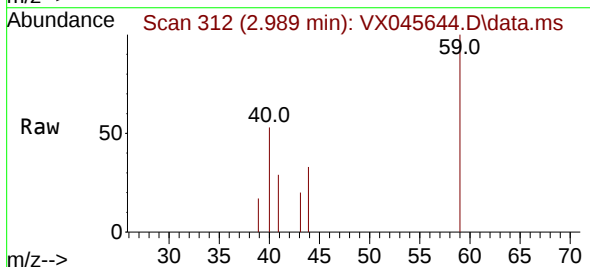
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

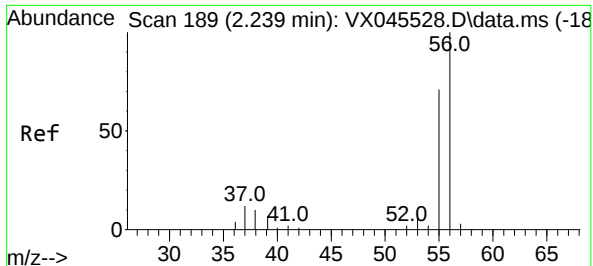
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 12.051 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.012 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 59 Resp: 1895
Ion Ratio Lower Upper
59 100
57 5.1 8.6 12.8#





#13

Acrolein

Concen: 0.716 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX045644.D

Acq: 08 Apr 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

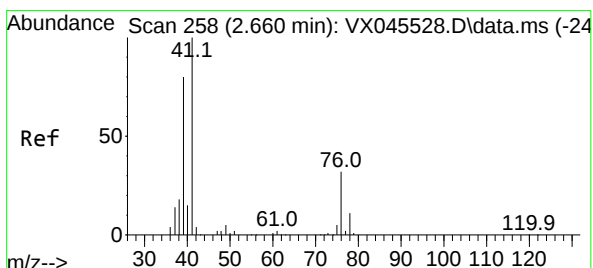
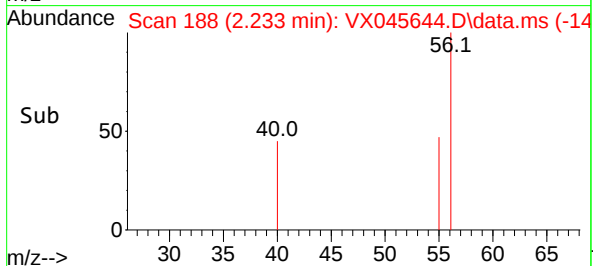
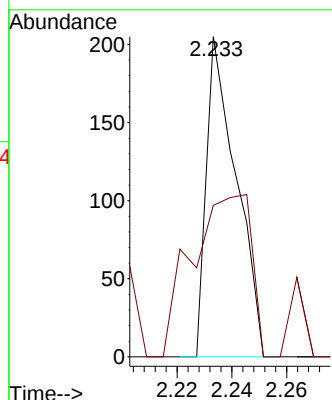
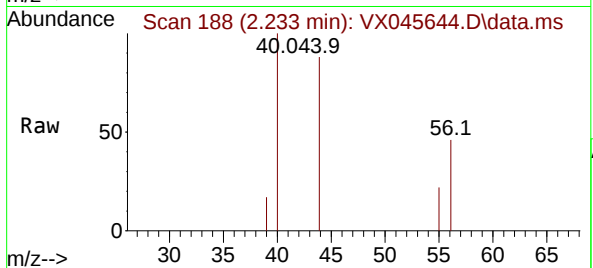
PB167492ZHE02

Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 101.3 56.2 84.2#



#14

Allyl chloride

Concen: 0.315 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.018 min

Lab File: VX045644.D

Acq: 08 Apr 2025 12:05

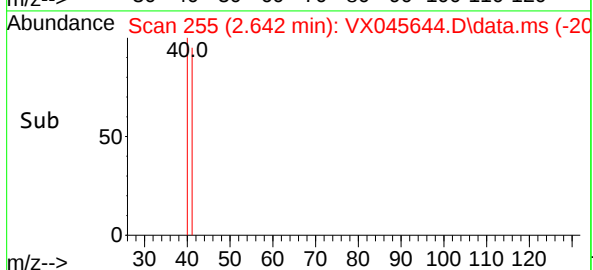
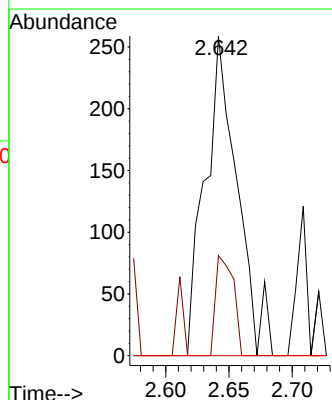
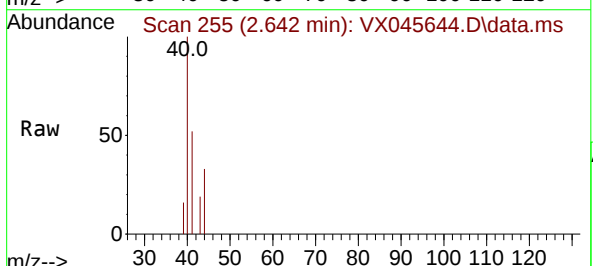
Tgt Ion: 41 Resp: 459

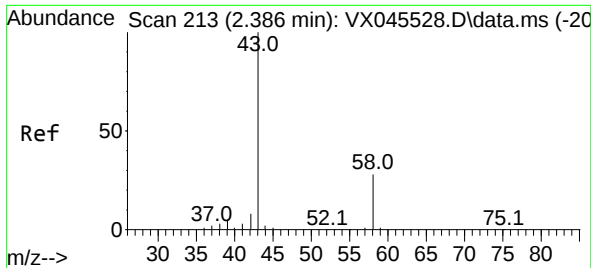
Ion Ratio Lower Upper

41 100

39 0.0 60.2 90.2#

76 0.0 24.6 36.8#

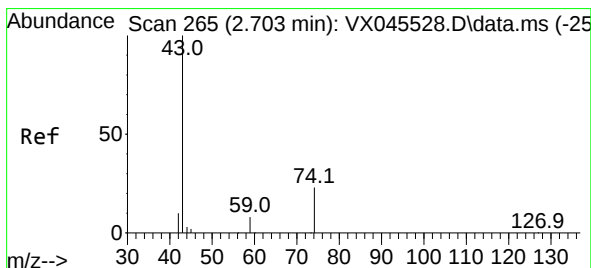
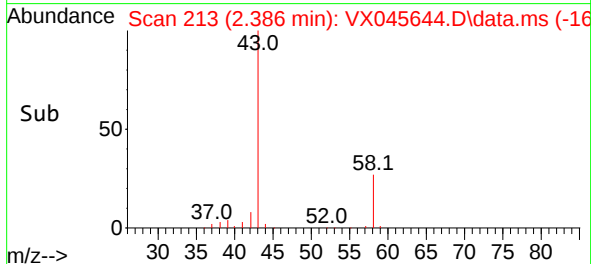
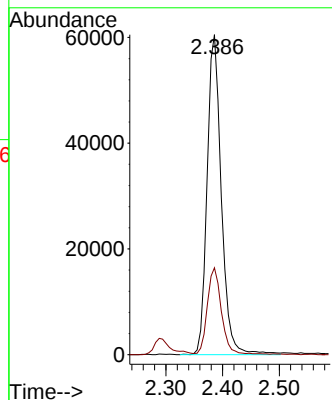
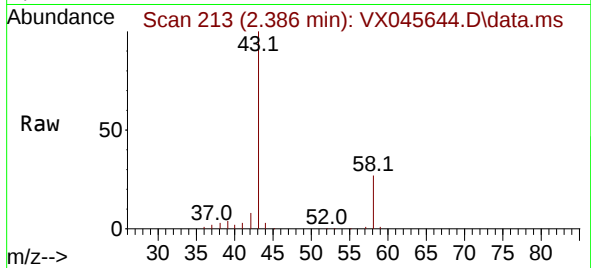




#16
Acetone
Concen: 219.695 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

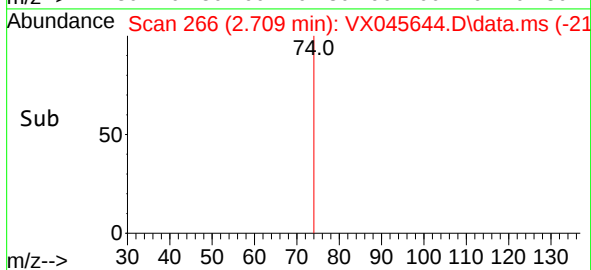
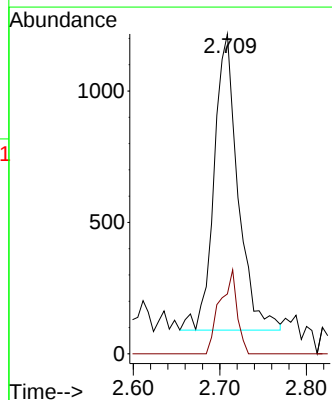
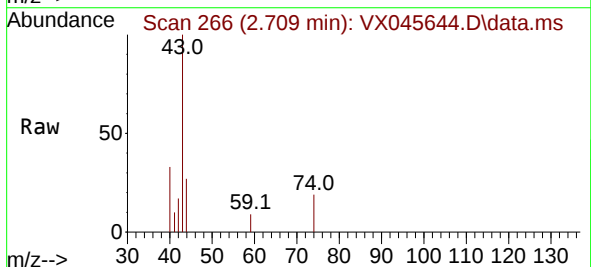
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

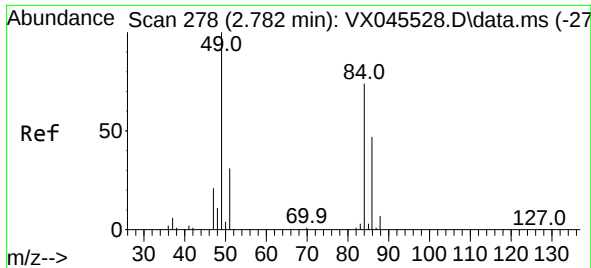
Tgt Ion: 43 Resp: 105560
Ion Ratio Lower Upper
43 100
58 26.9 22.3 33.5



#18
Methyl Acetate
Concen: 1.963 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
74 20.1 17.5 26.3

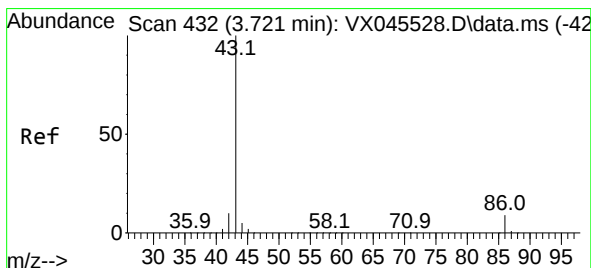
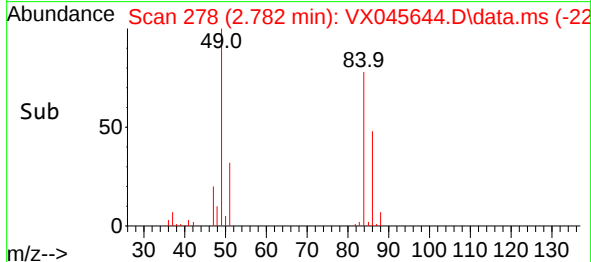
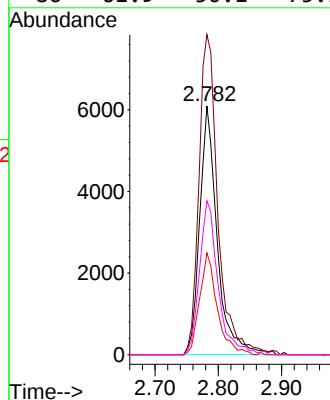
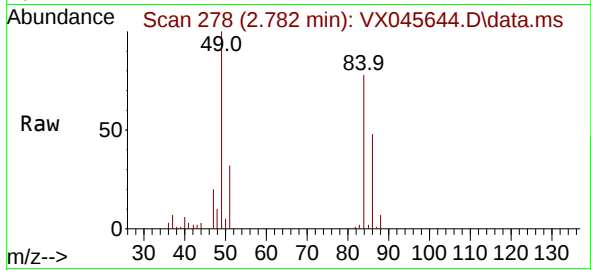




#20
Methylene Chloride
Concen: 13.126 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

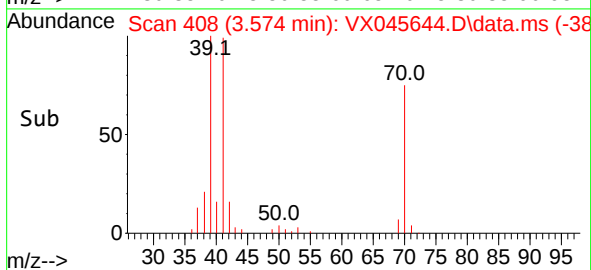
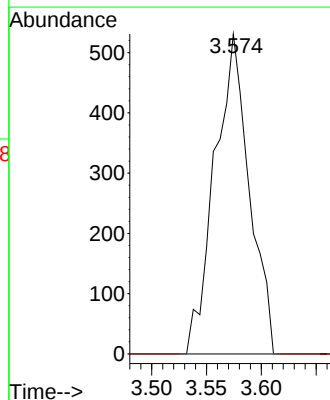
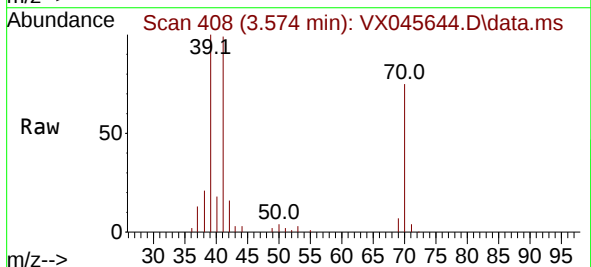
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

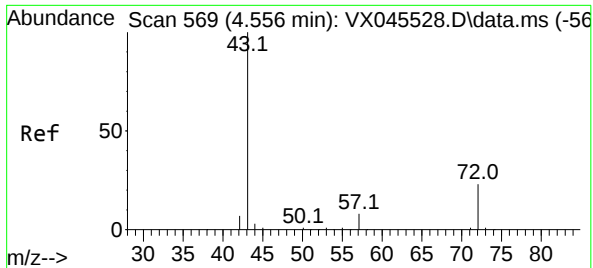
Tgt Ion:	84	Resp:	11807
Ion	Ratio	Lower	Upper
84	100		
49	128.7	107.5	161.3
51	40.9	33.0	49.6
86	61.9	50.1	75.1



#23
Vinyl Acetate
Concen: 0.470 ug/l
RT: 3.574 min Scan# 408
Delta R.T. -0.146 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion:	43	Resp:	1166
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#





#25

2-Butanone

Concen: 15.582 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX045644.D

Acq: 08 Apr 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

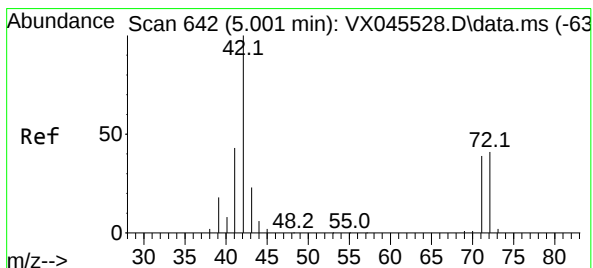
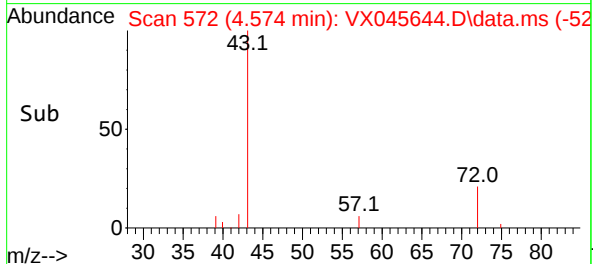
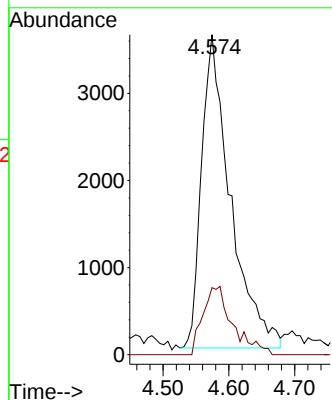
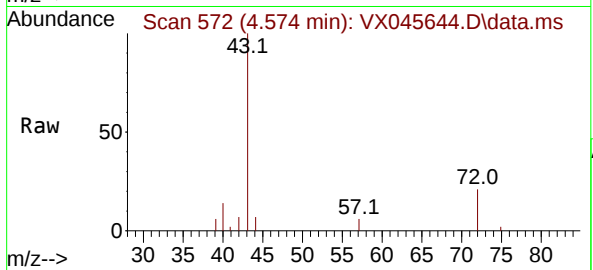
PB167492ZHE02

Tgt Ion: 43 Resp: 10959

Ion Ratio Lower Upper

43 100

72 21.4 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 5.062 min Scan# 652

Delta R.T. 0.061 min

Lab File: VX045644.D

Acq: 08 Apr 2025 12:05

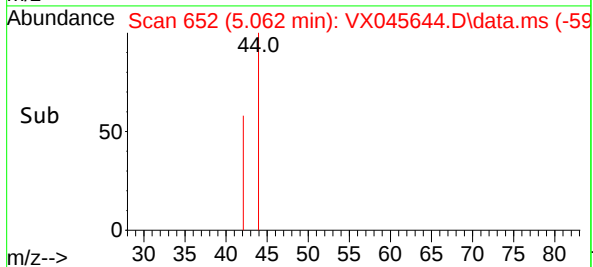
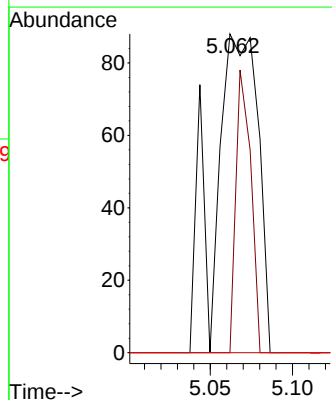
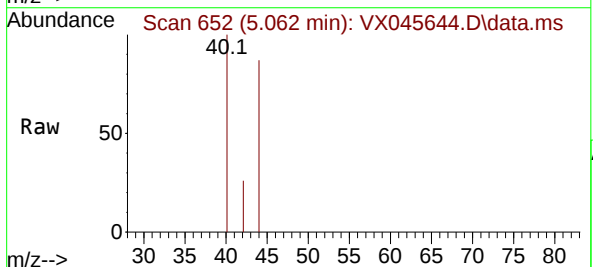
Tgt Ion: 42 Resp: 163

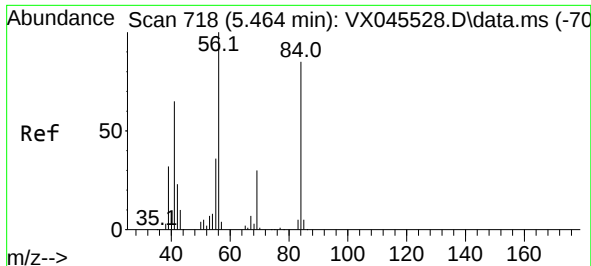
Ion Ratio Lower Upper

42 100

72 30.1 33.4 50.0#

71 0.0 31.4 47.0#

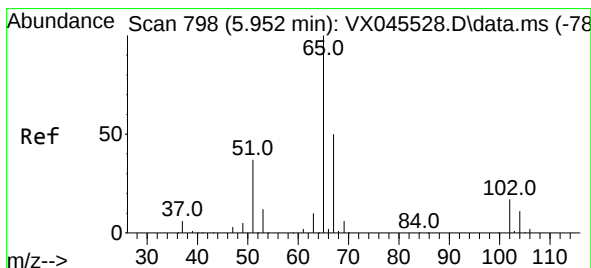
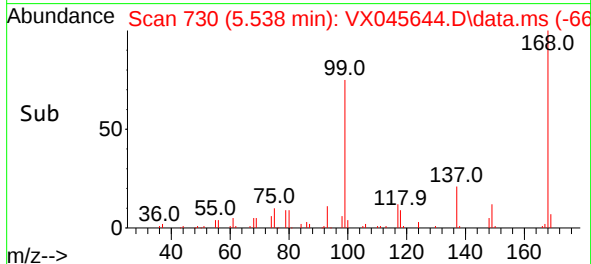
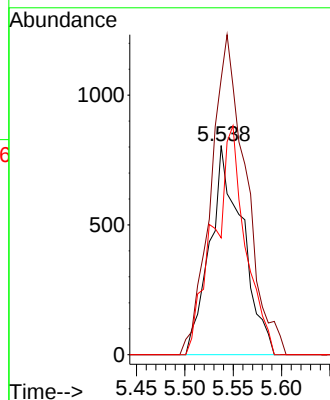
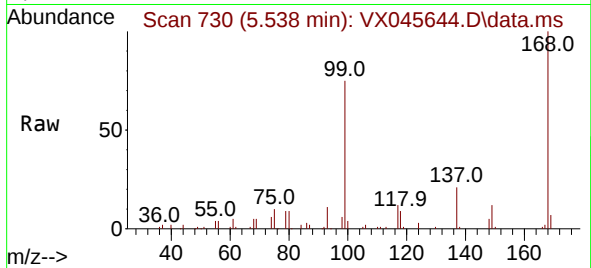




#31
Cyclohexane
Concen: 1.313 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

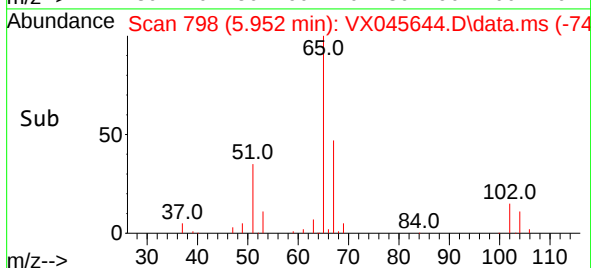
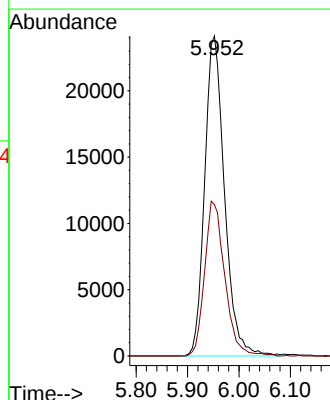
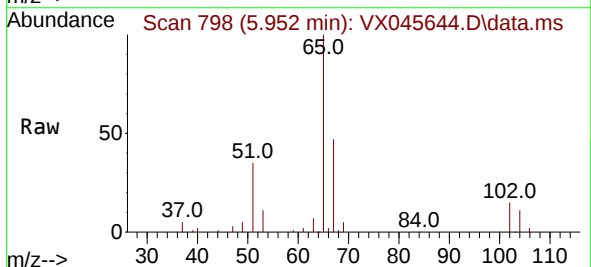
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

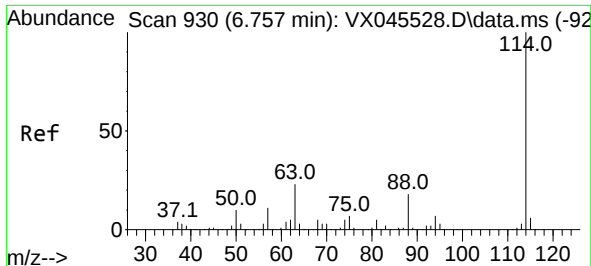
Tgt Ion: 56 Resp: 1885
Ion Ratio Lower Upper
56 100
69 131.9 23.6 35.4#
84 55.8 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 55.313 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 65 Resp: 64723
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

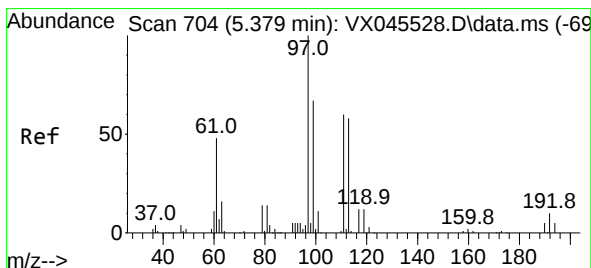
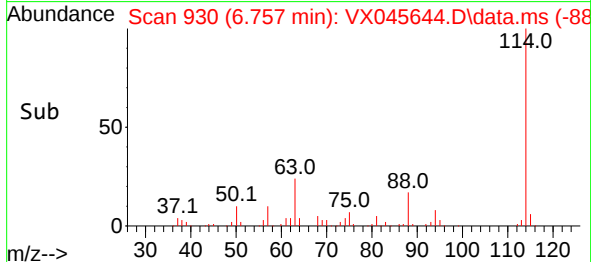
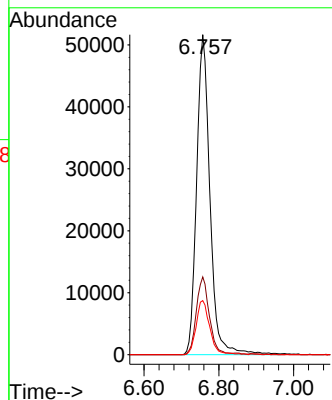
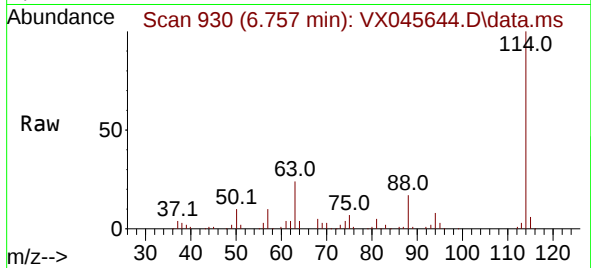




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

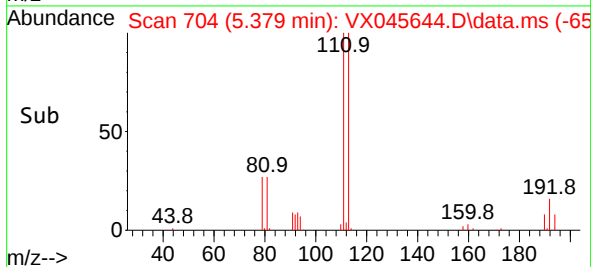
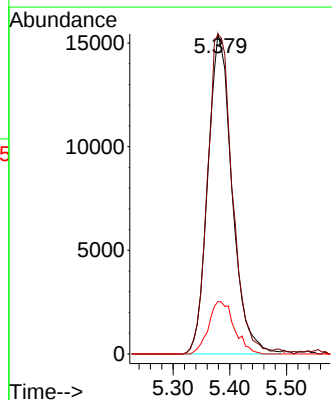
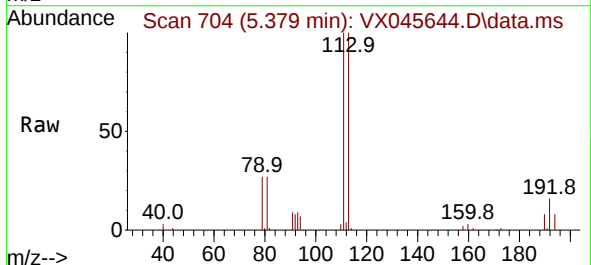
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

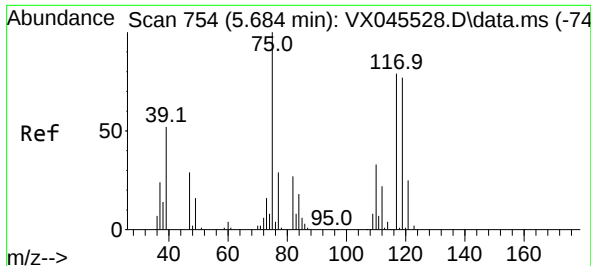
Tgt Ion:114 Resp: 127618
Ion Ratio Lower Upper
114 100
63 24.3 0.0 46.8
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.608 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion:113 Resp: 45823
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 17.3 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.373 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045644.D

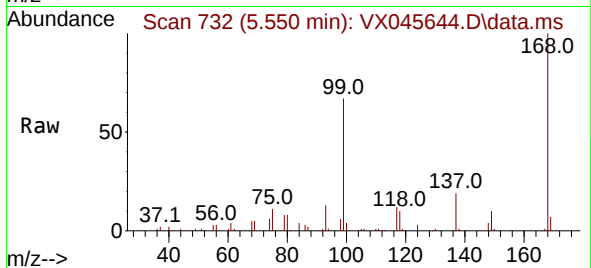
Acq: 08 Apr 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE02



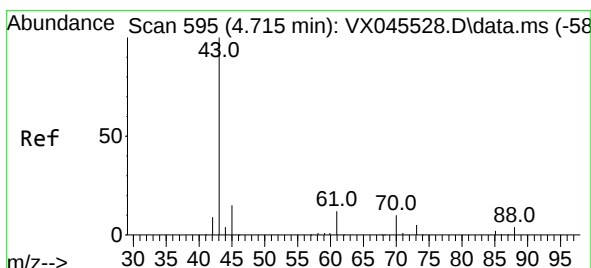
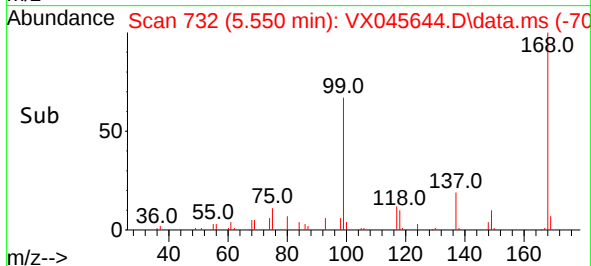
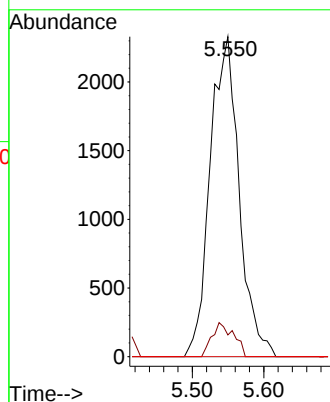
Tgt Ion: 75 Resp: 6569

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 7.113 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX045644.D

Acq: 08 Apr 2025 12:05

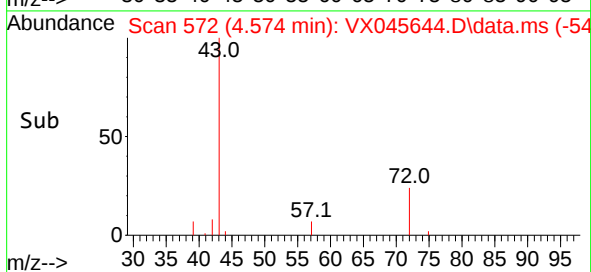
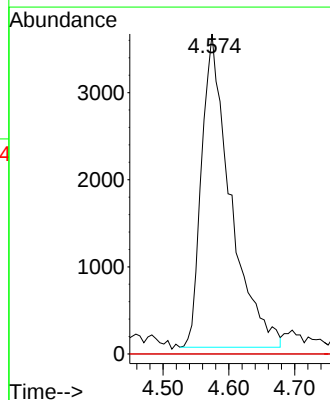
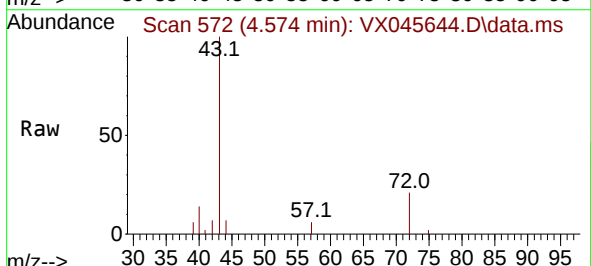
Tgt Ion: 43 Resp: 10959

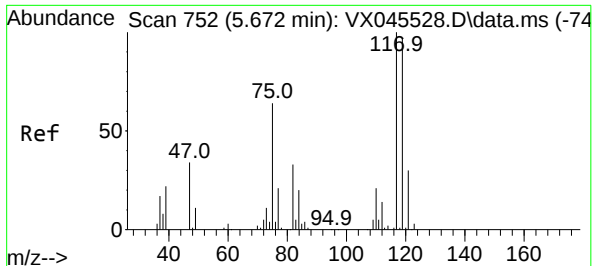
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

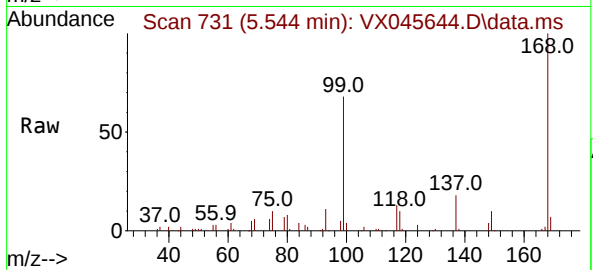
70 0.0 7.5 11.3#



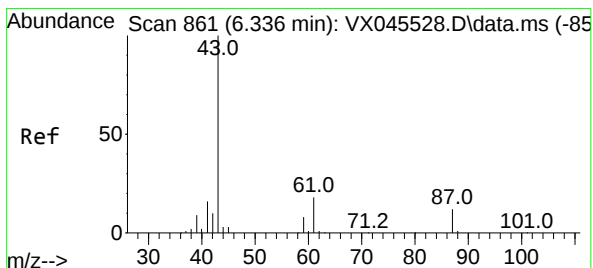
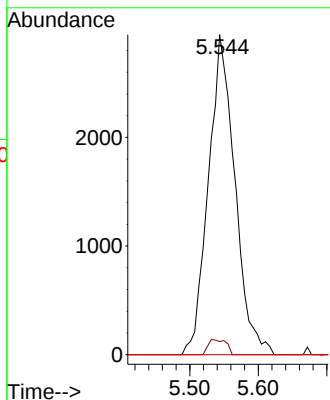
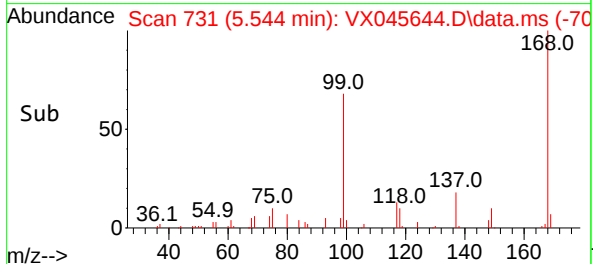


#38
Carbon Tetrachloride
Concen: 5.996 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

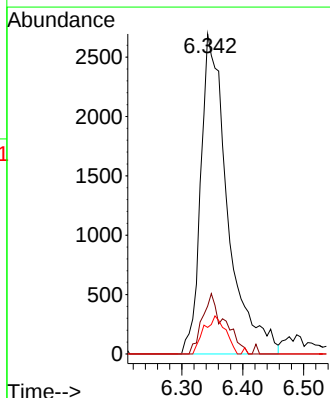
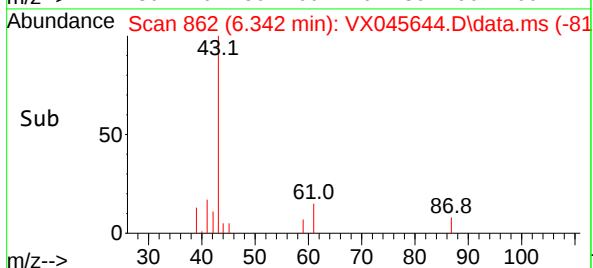
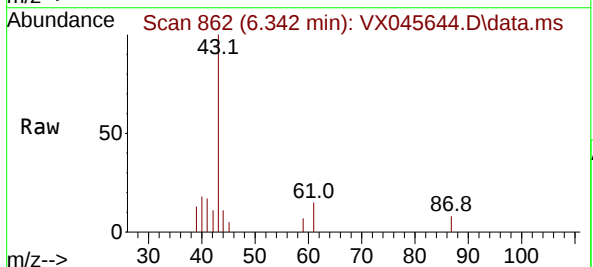


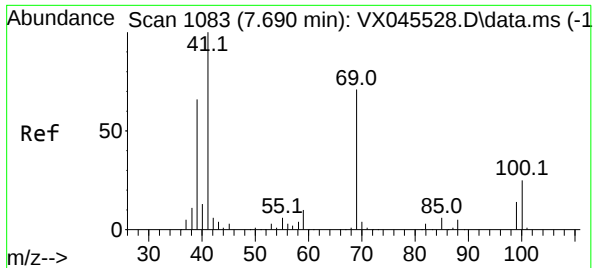
Tgt Ion:117 Resp: 7922
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.538 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 43 Resp: 8262
Ion Ratio Lower Upper
43 100
61 15.8 14.1 21.1
87 9.5 9.2 13.8

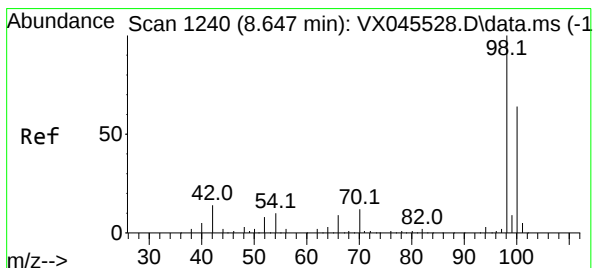
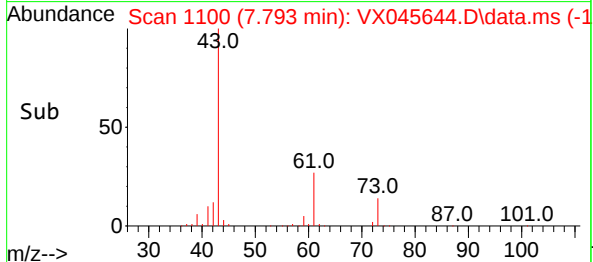
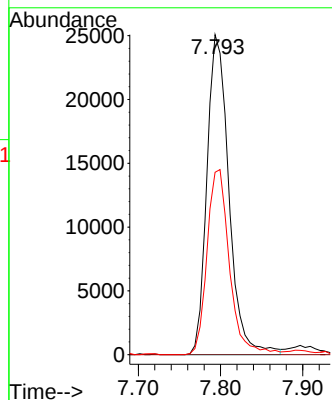
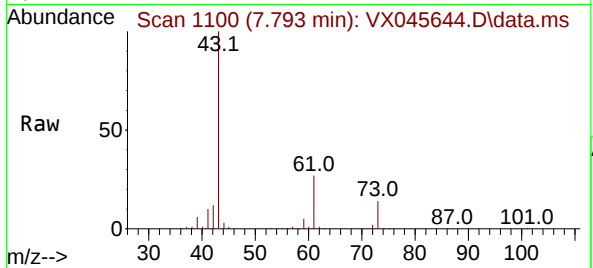




#48
Methyl methacrylate
Concen: 38.652 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

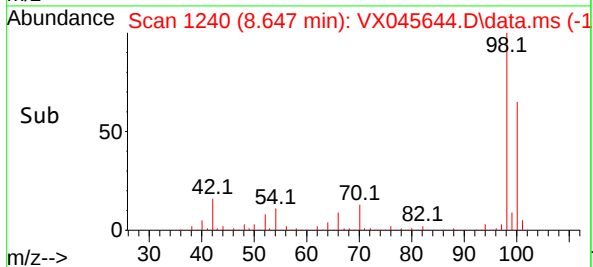
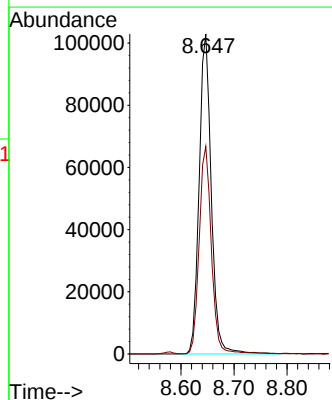
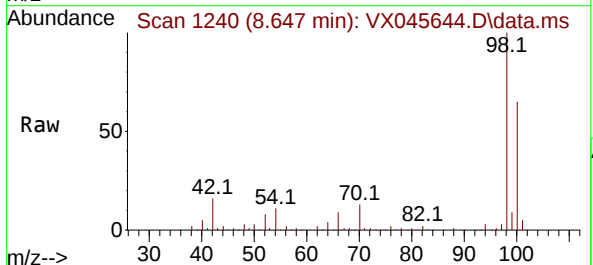
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

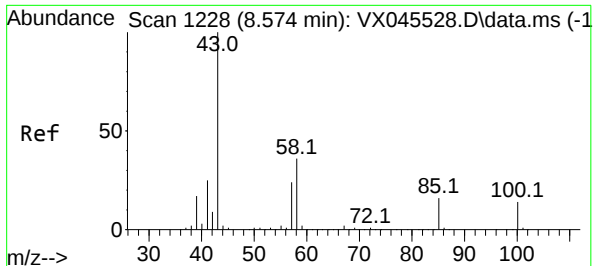
Tgt Ion: 41 Resp: 46600
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.0 53.6 80.4



#50
Toluene-d8
Concen: 51.859 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 98 Resp: 163894
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

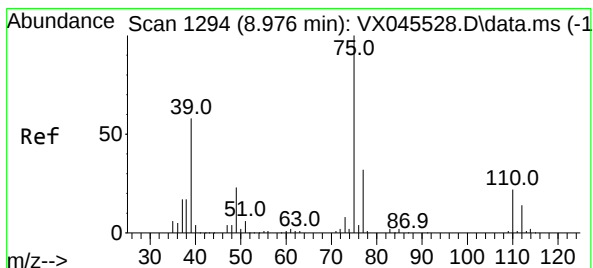
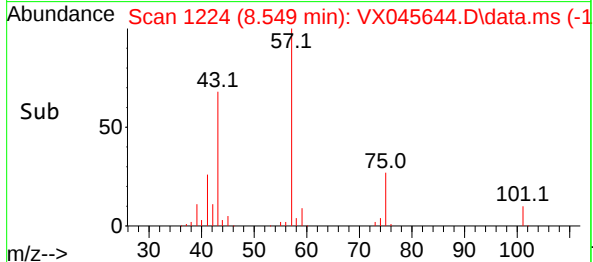
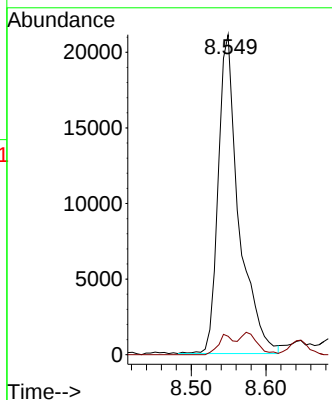
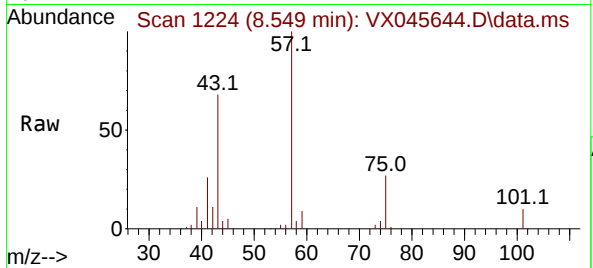




#51
4-Methyl-2-Pentanone
Concen: 26.107 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

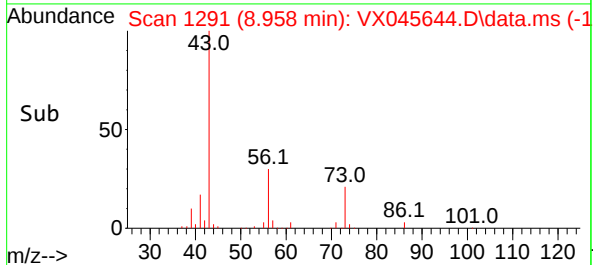
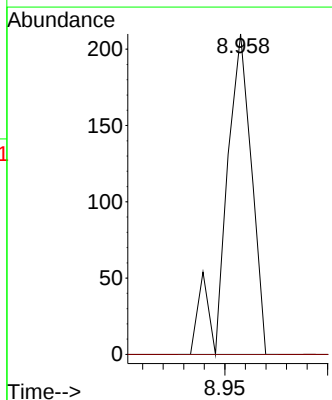
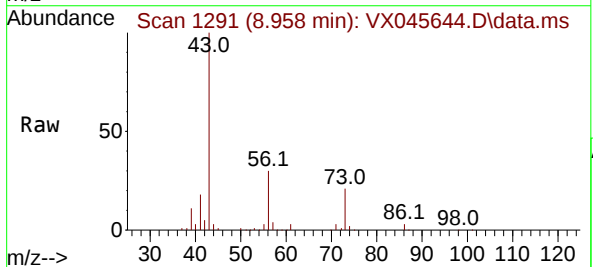
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

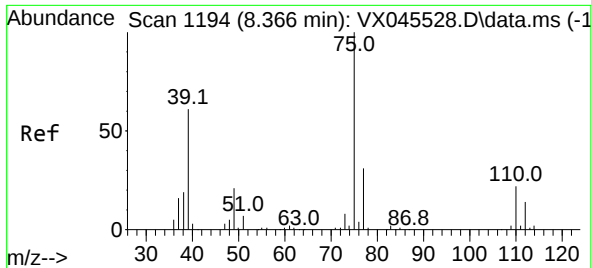
Tgt Ion: 43 Resp: 40412
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.418 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 75 Resp: 185
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

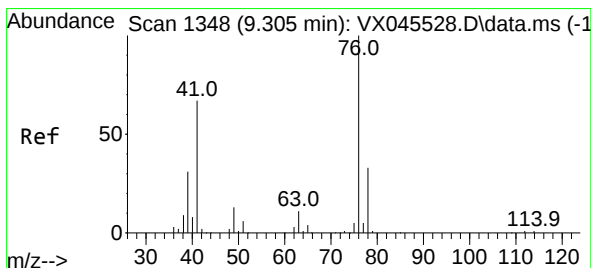
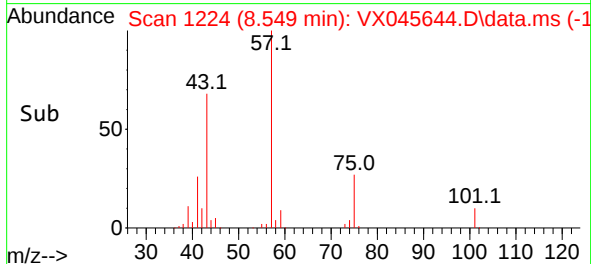
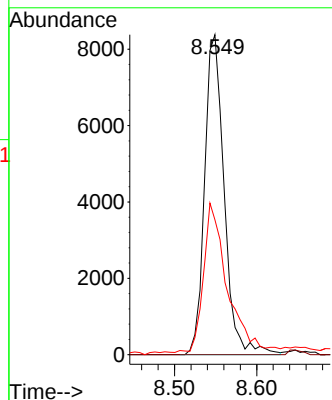
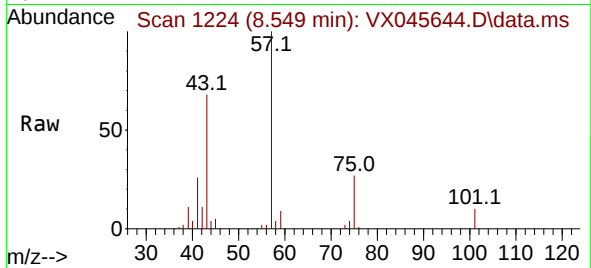




#54
cis-1,3-Dichloropropene
Concen: 10.321 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

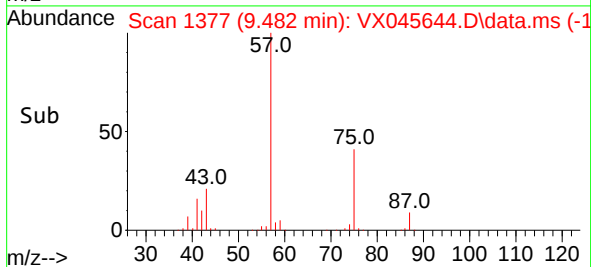
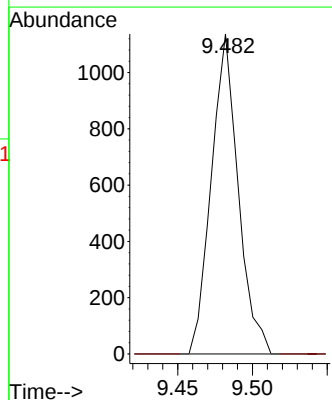
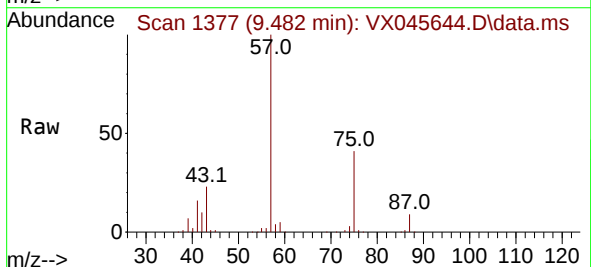
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

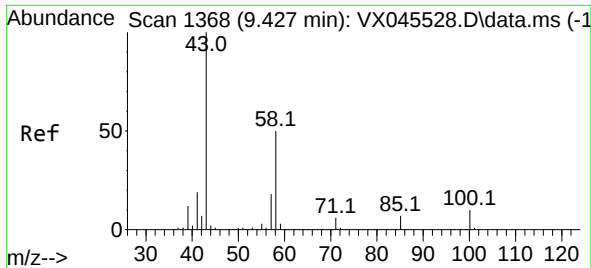
Tgt Ion: 75 Resp: 13852
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 40.9 48.4 72.6#



#57
1,3-Dichloropropane
Concen: 0.906 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 76 Resp: 1420
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

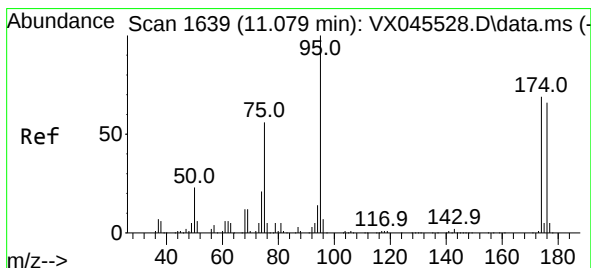
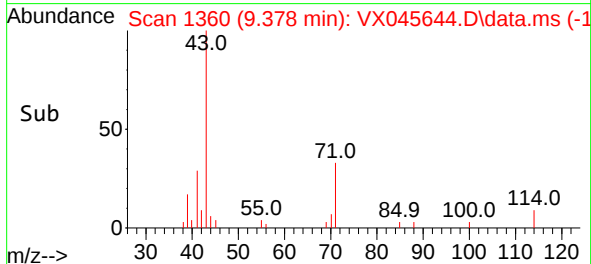
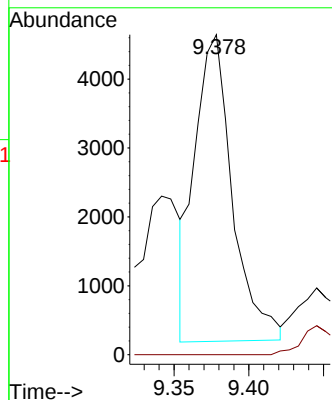
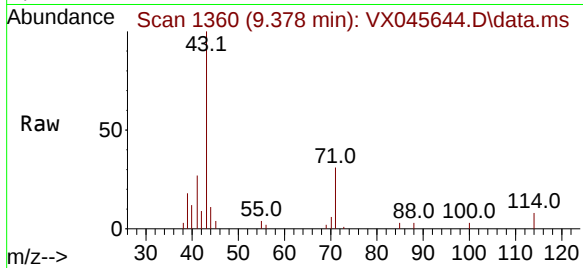




#59
2-Hexanone
Concen: 6.765 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

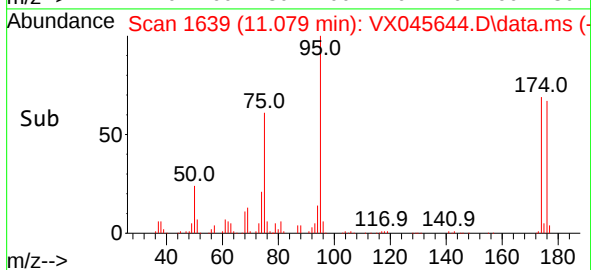
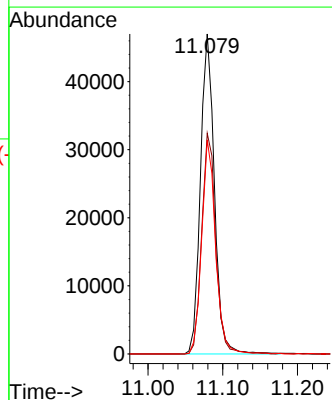
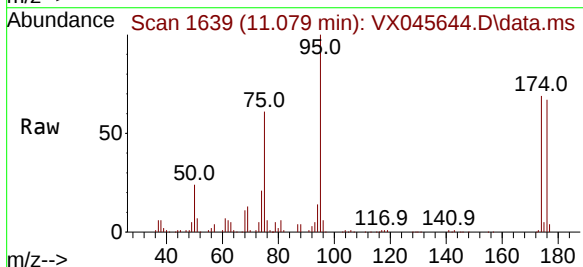
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

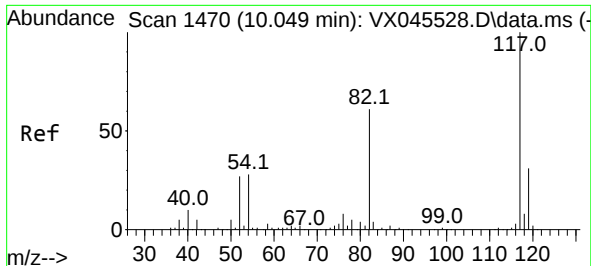
Tgt Ion: 43 Resp: 7755
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion: 95 Resp: 61008
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.8
176 66.7 0.0 131.4

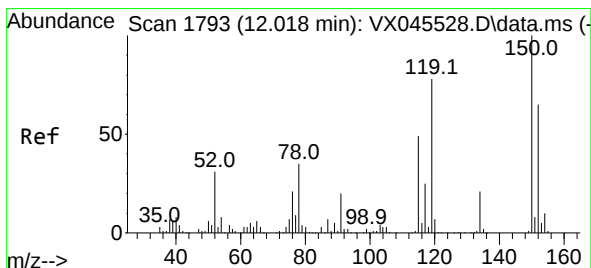
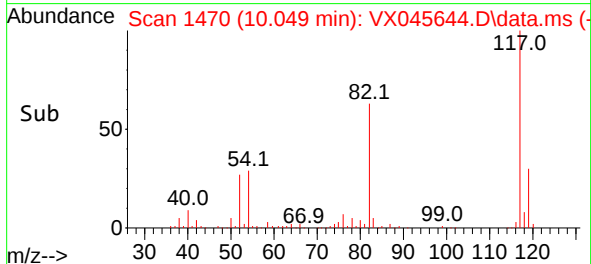
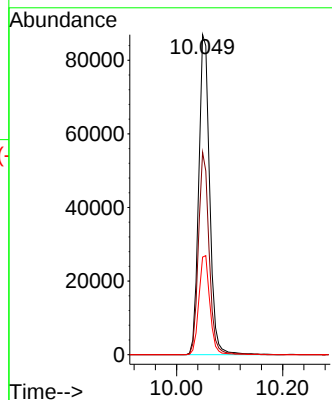
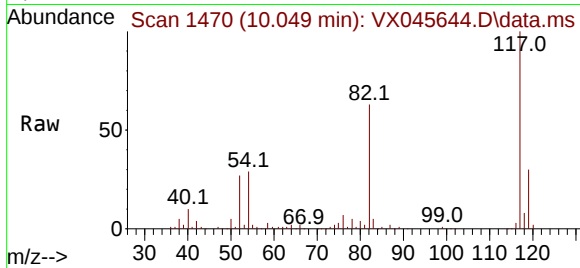




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

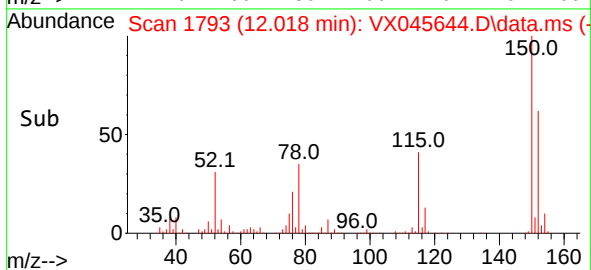
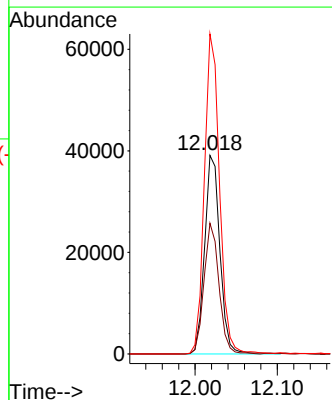
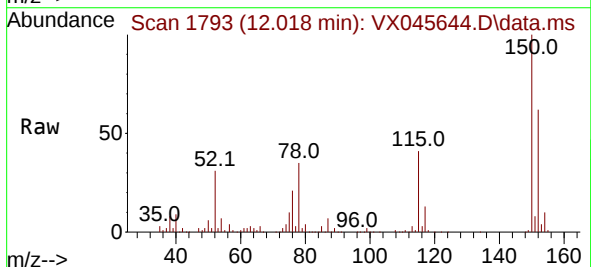
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

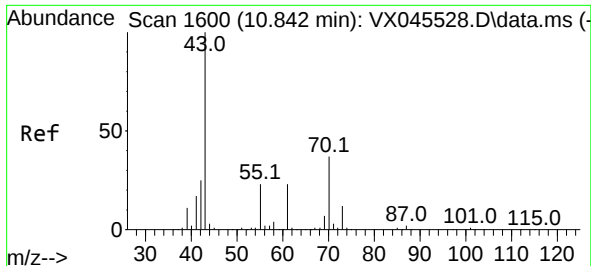
Tgt Ion:117 Resp: 124238
Ion Ratio Lower Upper
117 100
82 63.2 49.2 73.8
119 30.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Tgt Ion:152 Resp: 50465
Ion Ratio Lower Upper
152 100
115 64.5 46.9 140.7
150 159.5 0.0 349.4

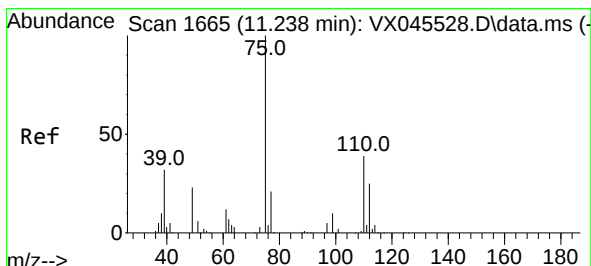
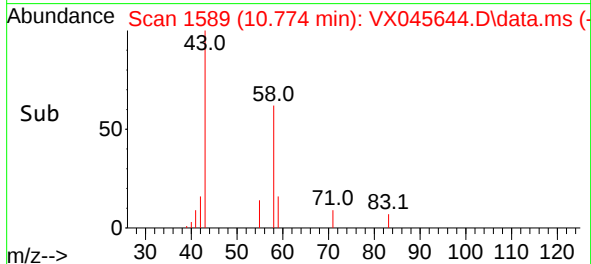
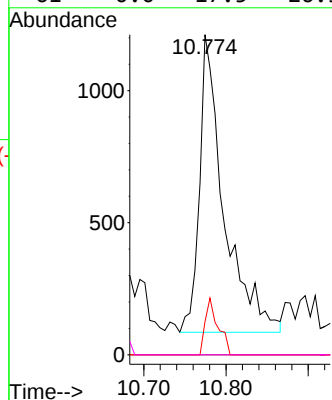
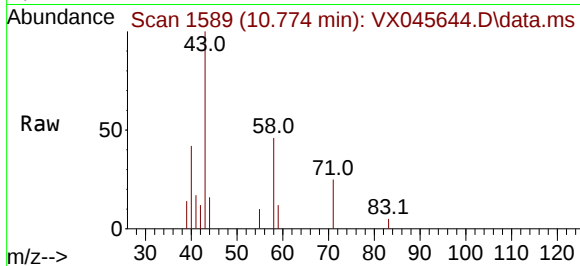




#74
N-amy1 acetate
Concen: 1.206 ug/l
RT: 10.774 min Scan# 1639
Delta R.T. -0.067 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

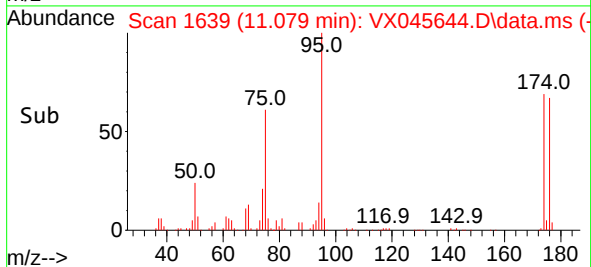
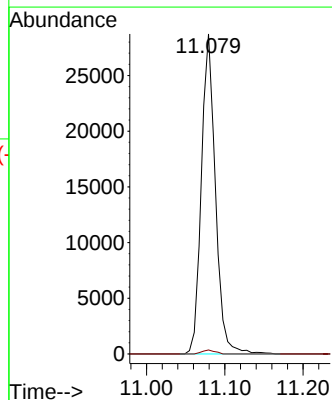
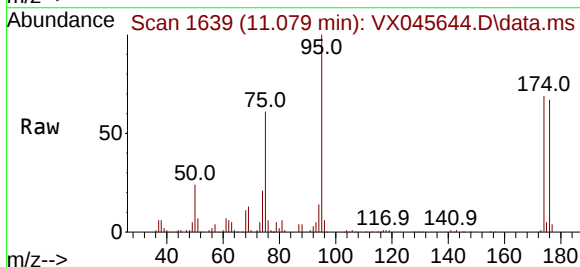
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02

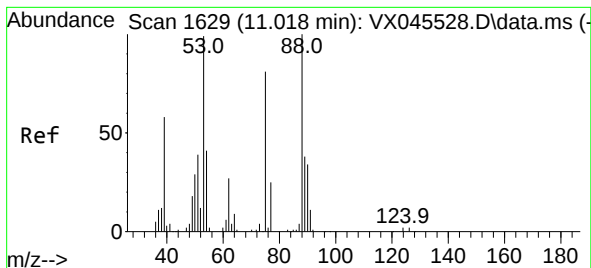
Tgt Ion:	43	Resp:	2331
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	10.0	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 29.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

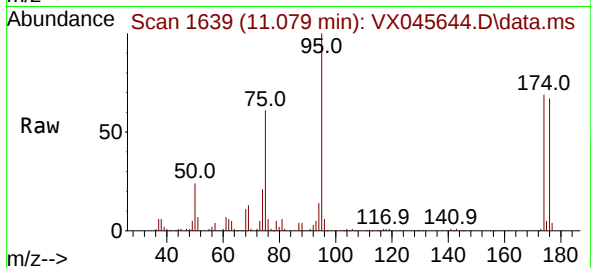
Tgt Ion:	75	Resp:	35865
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.0	59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 98.883 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045644.D
Acq: 08 Apr 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE02



Tgt Ion: 75 Resp: 35865
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

