

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045643.D
 Acq On : 08 Apr 2025 11:41
 Operator : JC/MD
 Sample : PB167492ZHE01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE01

Quant Time: Apr 09 01:35:28 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)

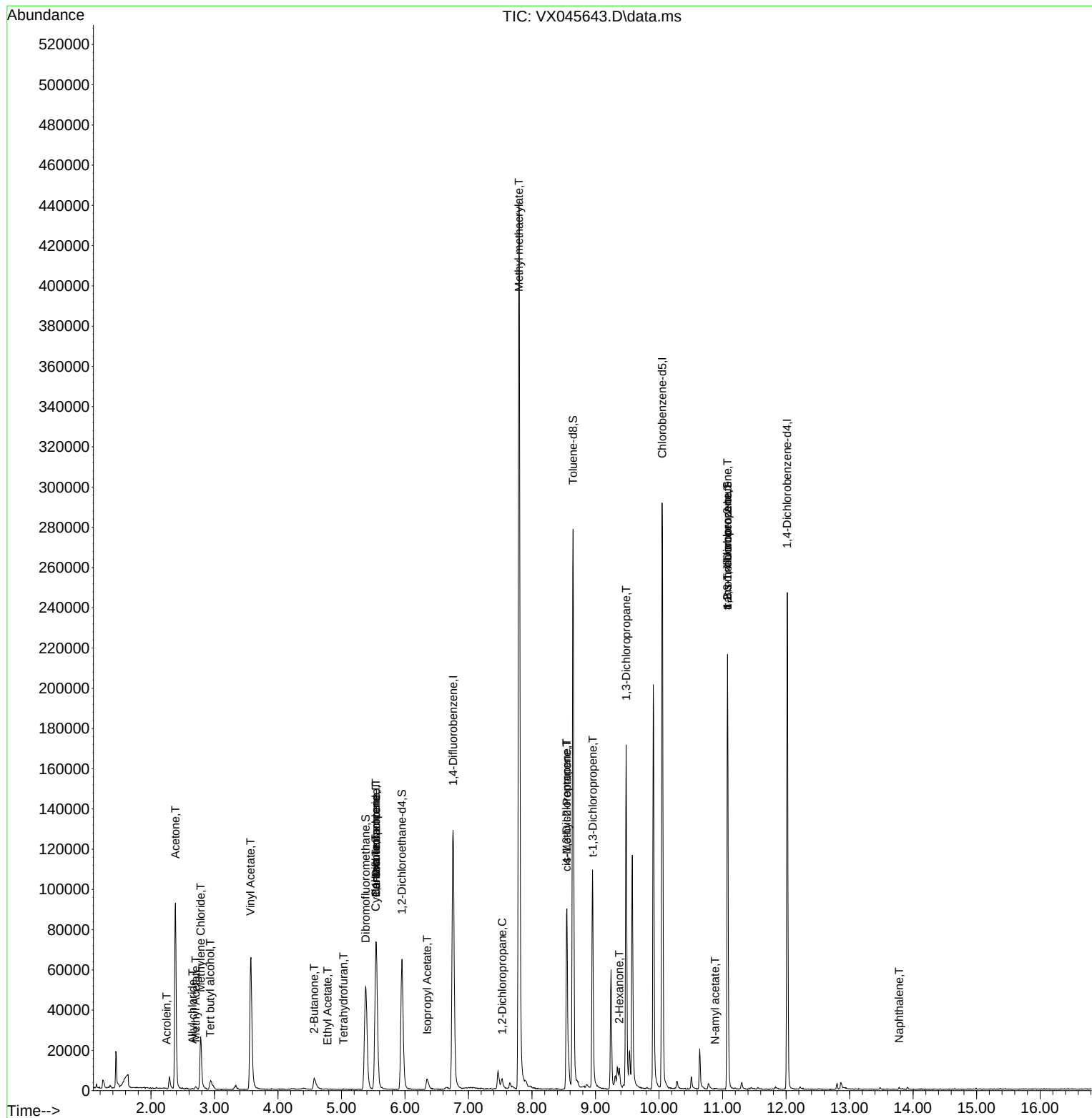
Internal Standards						
1) Pentafluorobenzene	5.544	168	61446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124662	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63379	56.403	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.800%	
35) Dibromofluoromethane	5.379	113	44459	50.266	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.540%	
50) Toluene-d8	8.647	98	158374	51.301	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	11.079	95	56067	49.859	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	4472	29.613	ug/l #	72
13) Acrolein	2.246	56	260	1.250	ug/l	98
14) Allyl chloride	2.654	41	322	0.230	ug/l #	57
16) Acetone	2.386	43	102960	223.138	ug/l	99
18) Methyl Acetate	2.703	43	2003	1.885	ug/l	91
20) Methylene Chloride	2.782	84	12311	14.252	ug/l	97
23) Vinyl Acetate	3.568	43	1128	0.474	ug/l #	74
25) 2-Butanone	4.568	43	10980	16.257	ug/l	92
29) Tetrahydrofuran	5.032	42	113	0.258	ug/l #	35
31) Cyclohexane	5.538	56	1964	1.425	ug/l #	23
36) 1,1-Dichloropropene	5.544	75	6214	5.203	ug/l #	50
37) Ethyl Acetate	4.782	43	389	0.258	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7496	5.808	ug/l #	14
43) Isopropyl Acetate	6.348	43	8251	3.617	ug/l #	94
45) 1,2-Dichloropropane	7.531	63	186	0.204	ug/l #	26
48) Methyl methacrylate	7.793	41	46033	39.087	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	40459	26.757	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	252	2.468	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	13756	10.493	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1345	0.878	ug/l #	42
59) 2-Hexanone	9.372	43	9298	8.304	ug/l #	28
74) N-amyl acetate	10.884	43	361	0.208	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	32967	29.785	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32967	101.087	ug/l #	1
95) Naphthalene	13.780	128	887	0.282	ug/l #	73

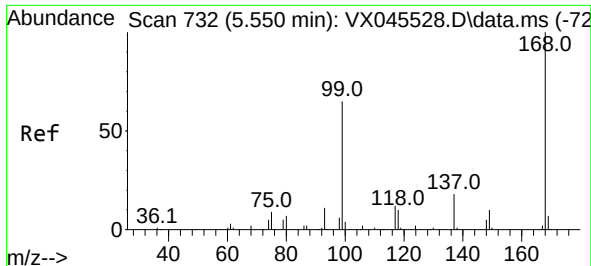
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Apr 09 01:35:28 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

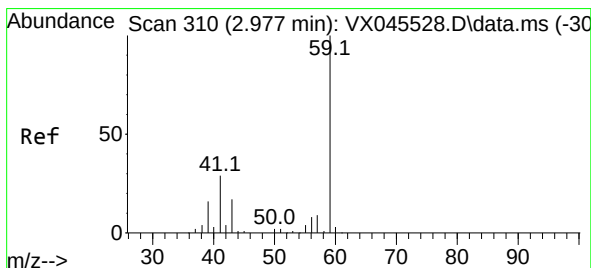
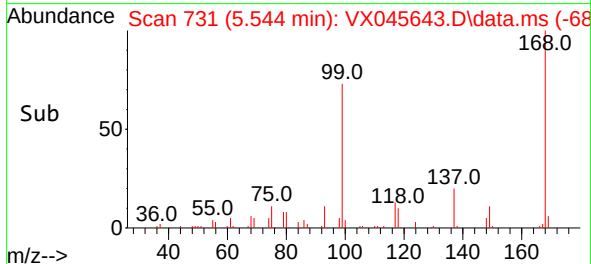
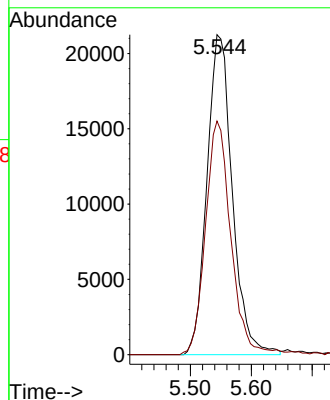
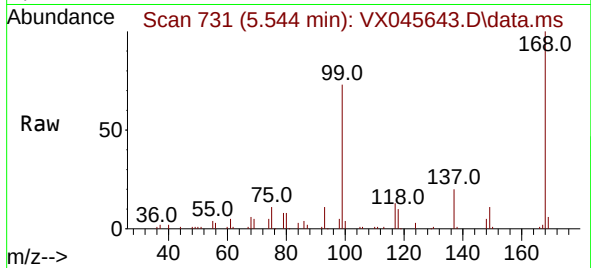




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

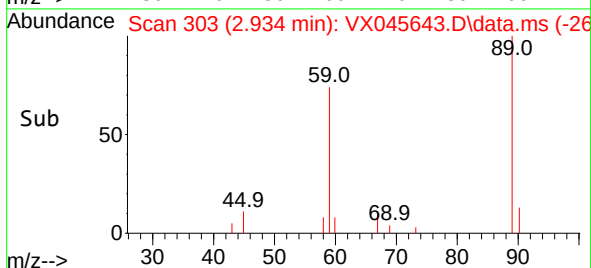
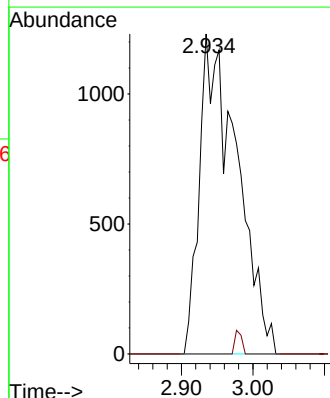
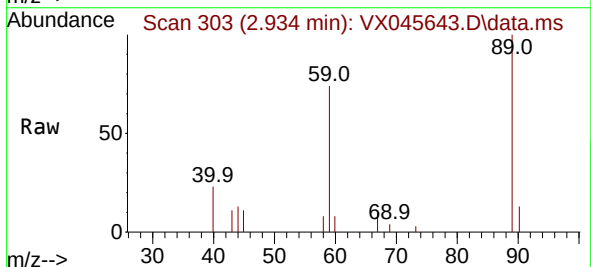
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

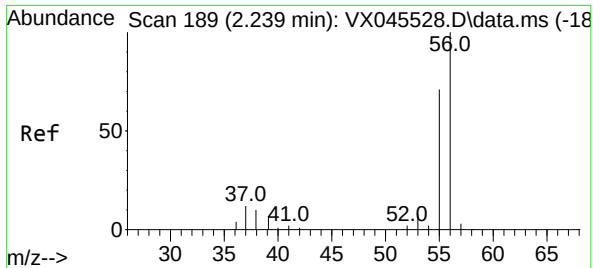
Tgt Ion:168 Resp: 61446
Ion Ratio Lower Upper
168 100
99 73.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 29.613 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Tgt Ion: 59 Resp: 4472
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

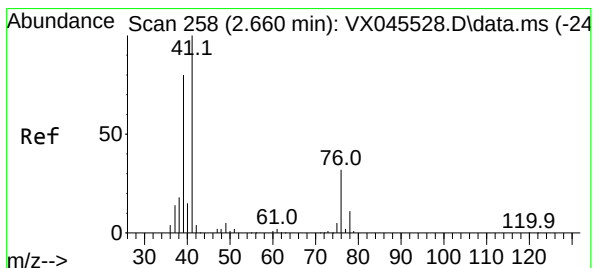
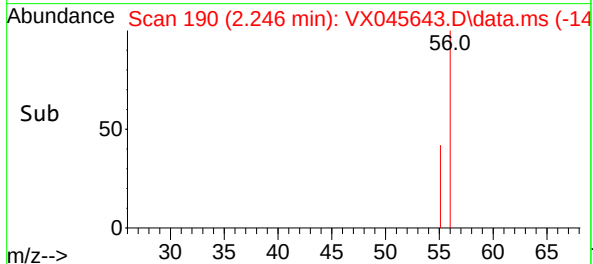
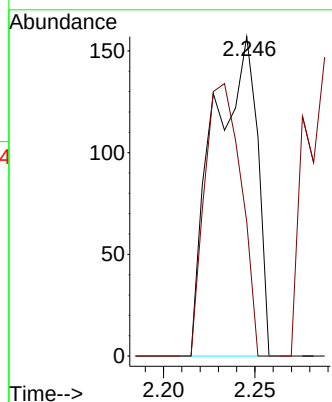
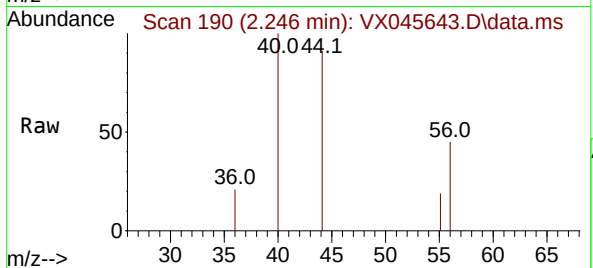




#13
Acrolein
Concen: 1.250 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

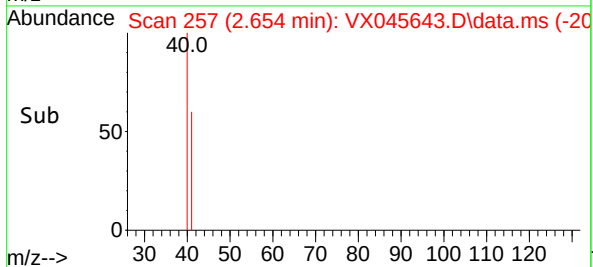
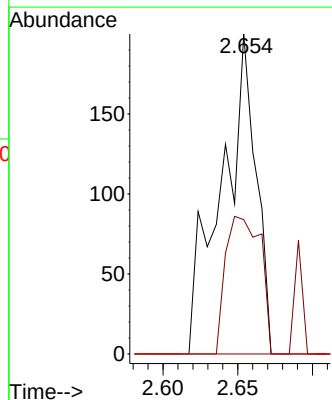
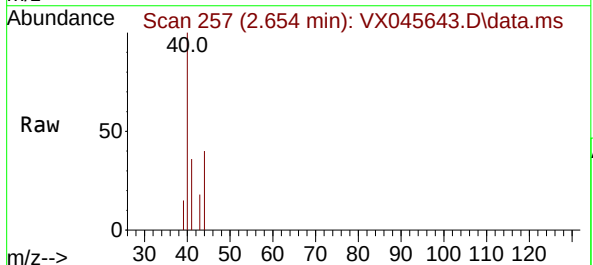
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

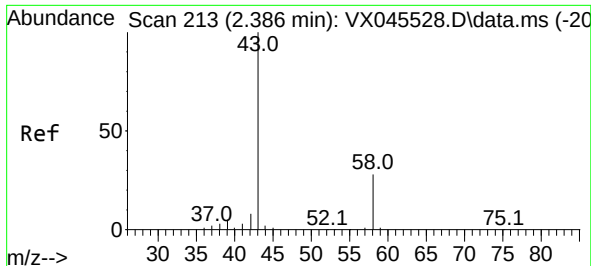
Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 71.5 56.2 84.2



#14
Allyl chloride
Concen: 0.230 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Tgt Ion: 41 Resp: 322
Ion Ratio Lower Upper
41 100
39 43.2 60.2 90.2#
76 0.0 24.6 36.8#

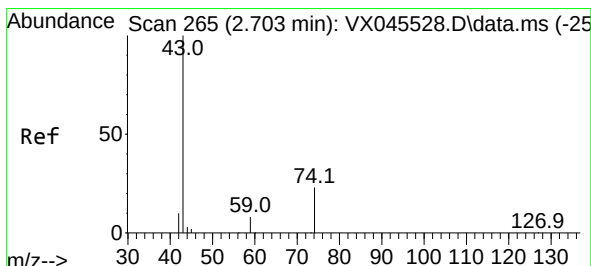
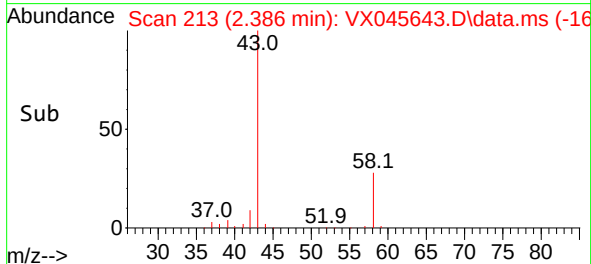
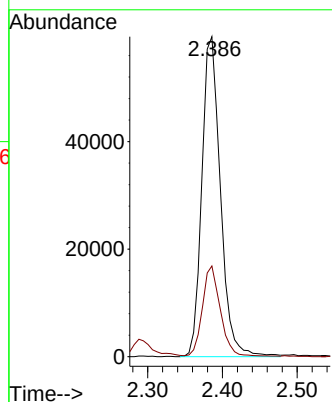
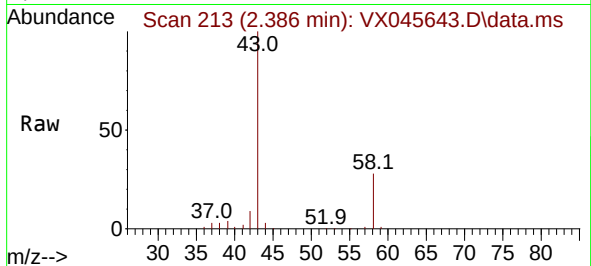




#16
Acetone
Concen: 223.138 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

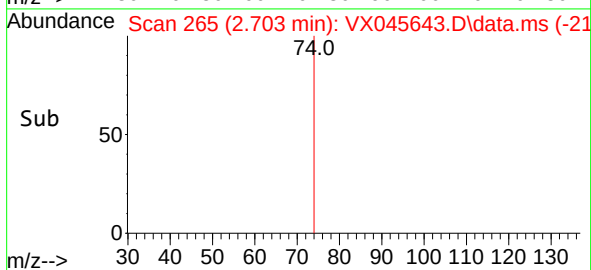
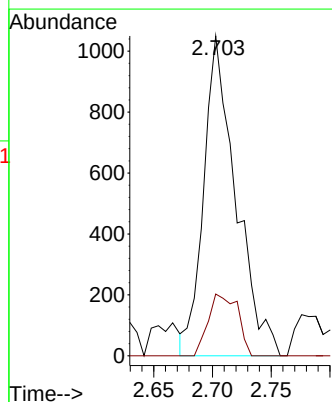
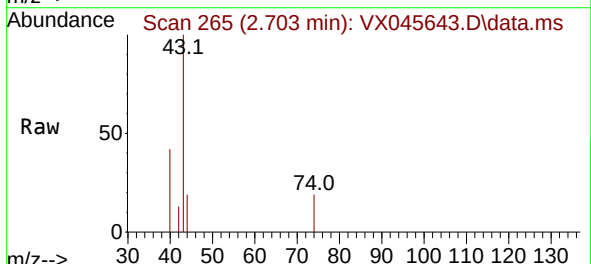
Instrument :
MSVOA_X
ClientSampleId :
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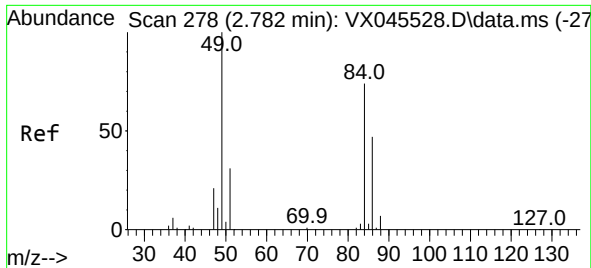
Tgt Ion: 43 Resp: 102960
Ion Ratio Lower Upper
43 100
58 28.2 22.3 33.5



#18
Methyl Acetate
Concen: 1.885 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
74 17.6 17.5 26.3

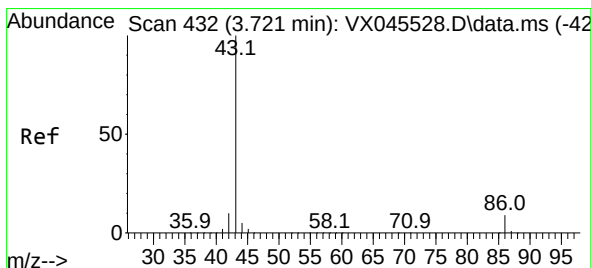
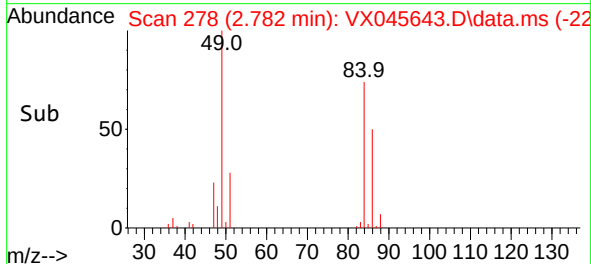
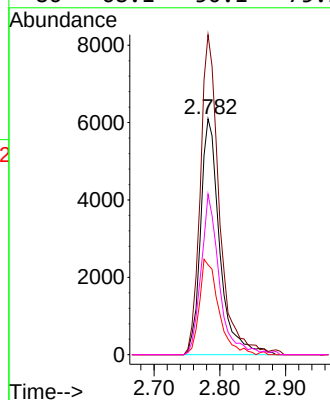
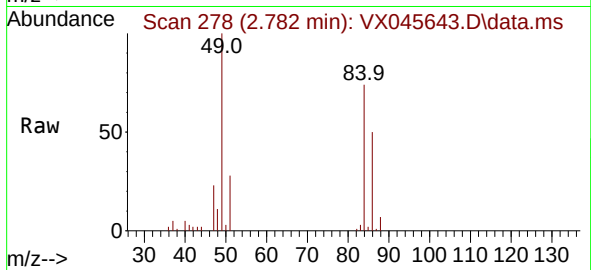




#20
Methylene Chloride
Concen: 14.252 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

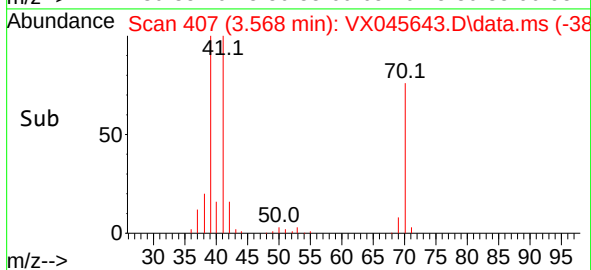
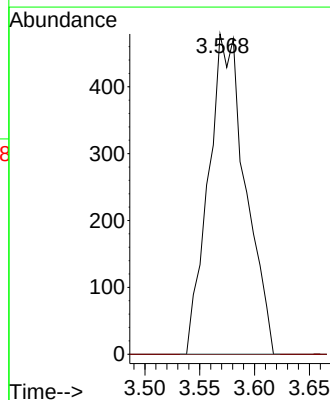
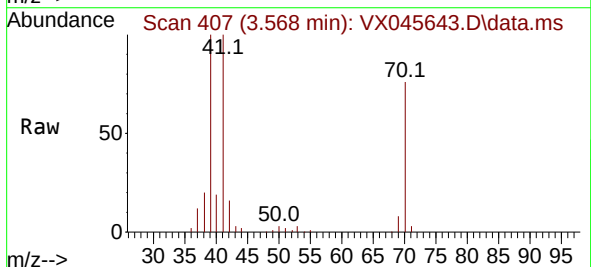
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

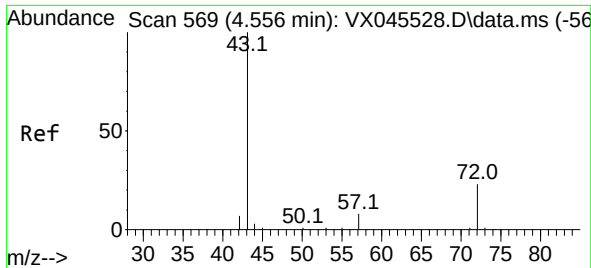
Tgt Ion:	84	Resp:	12311
Ion	Ratio	Lower	Upper
84	100		
49	135.7	107.5	161.3
51	38.1	33.0	49.6
86	68.1	50.1	75.1



#23
Vinyl Acetate
Concen: 0.474 ug/l
RT: 3.568 min Scan# 407
Delta R.T. -0.152 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Tgt Ion:	43	Resp:	1128
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#

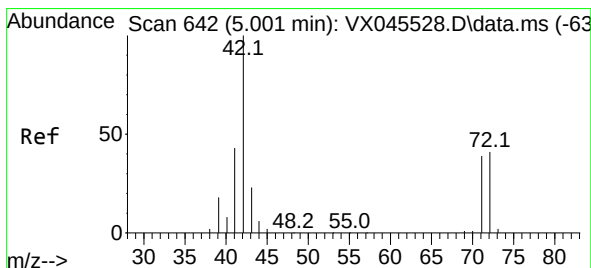
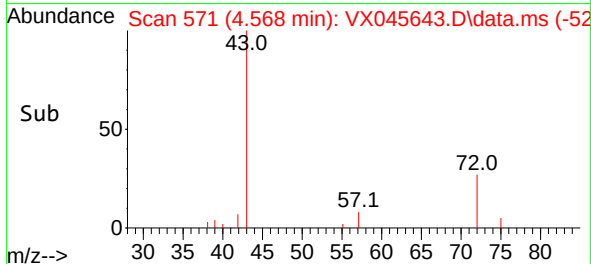
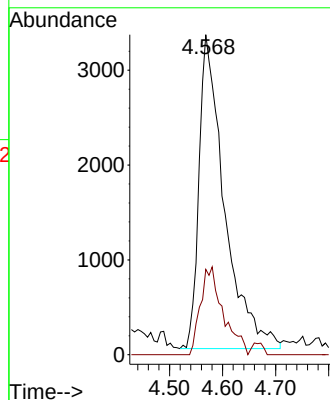
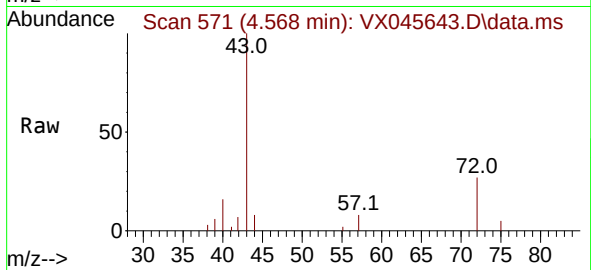




#25
2-Butanone
Concen: 16.257 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

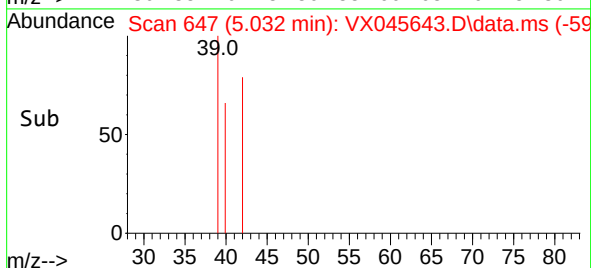
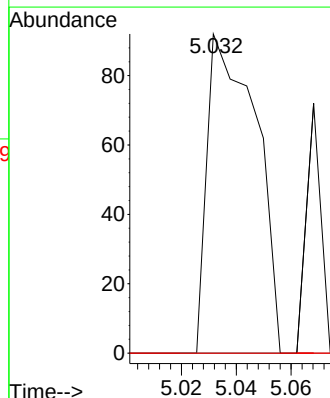
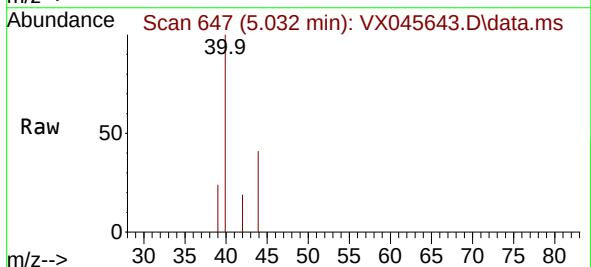
Instrument :
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ClientSampleId :
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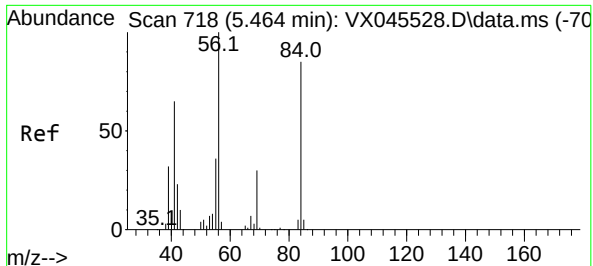
Tgt Ion: 43 Resp: 10980
Ion Ratio Lower Upper
43 100
72 27.2 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.258 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

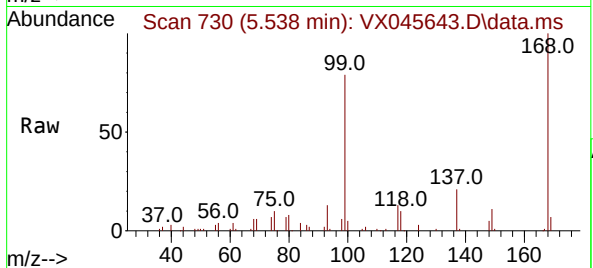
Tgt Ion: 42 Resp: 113
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#



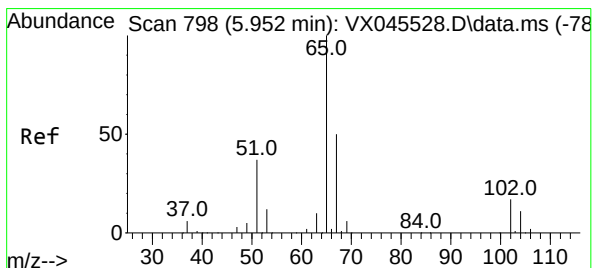
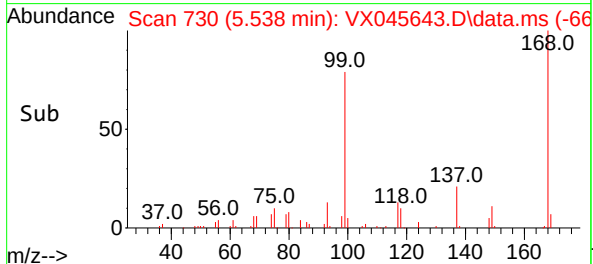
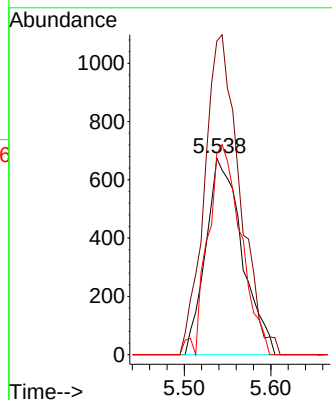


#31
Cyclohexane
Concen: 1.425 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

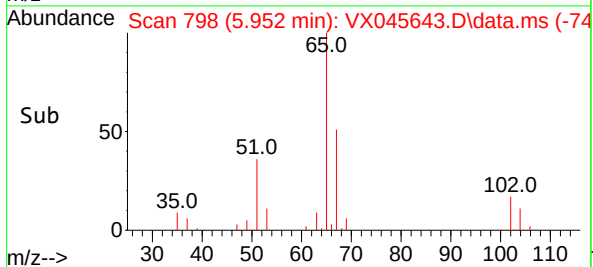
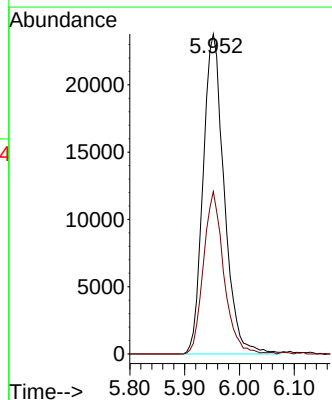
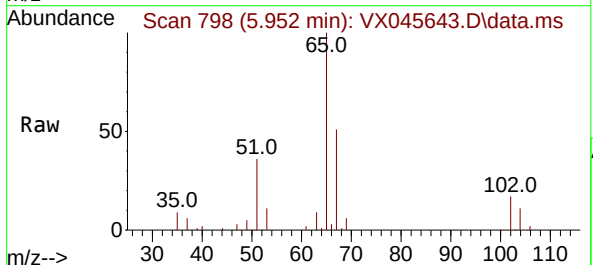


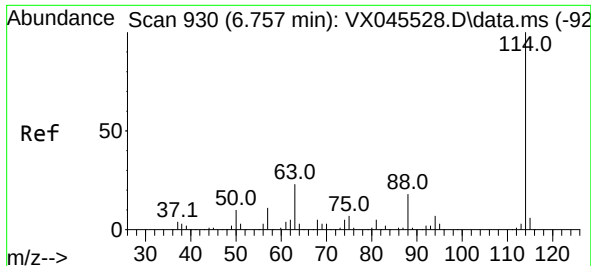
Tgt Ion: 56 Resp: 1964
Ion Ratio Lower Upper
56 100
69 159.6 23.6 35.4#
84 102.2 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 56.403 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Tgt Ion: 65 Resp: 63379
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

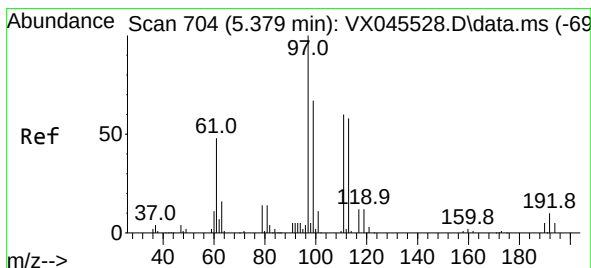
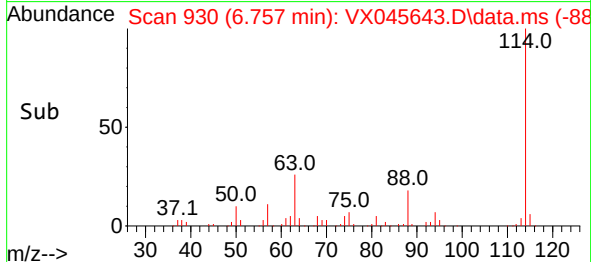
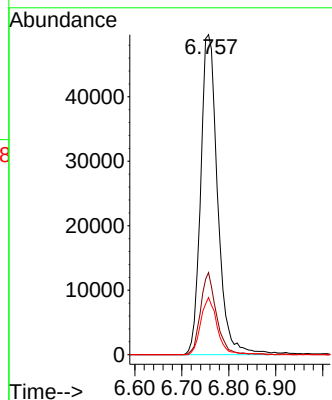
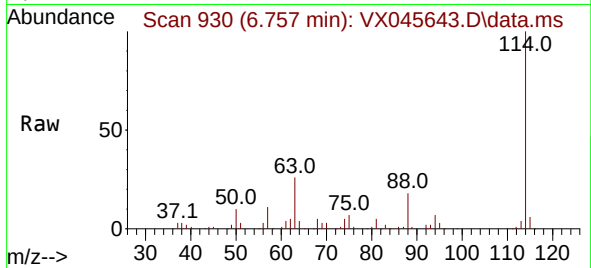




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

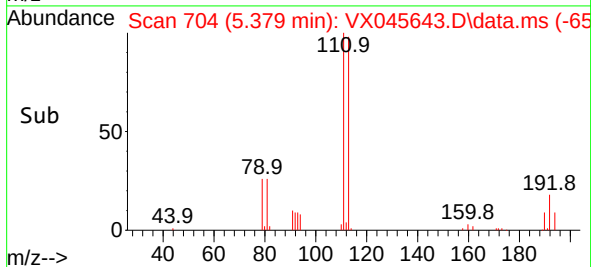
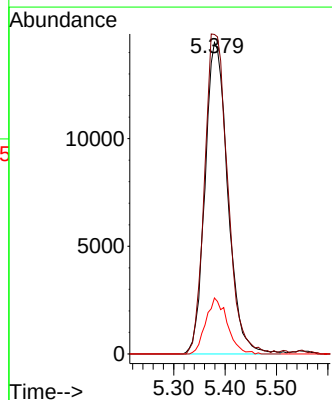
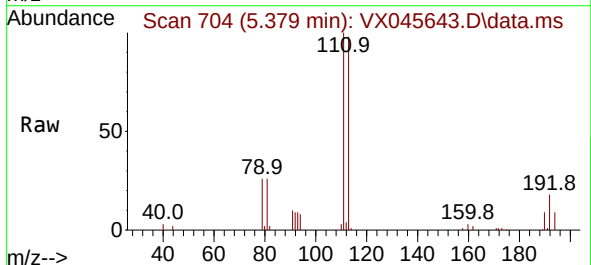
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

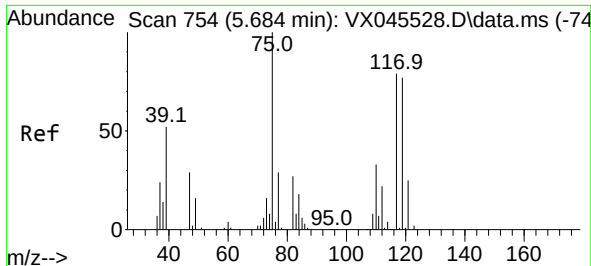
Tgt Ion:114 Resp: 124662
Ion Ratio Lower Upper
114 100
63 25.7 0.0 46.8
88 17.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.266 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

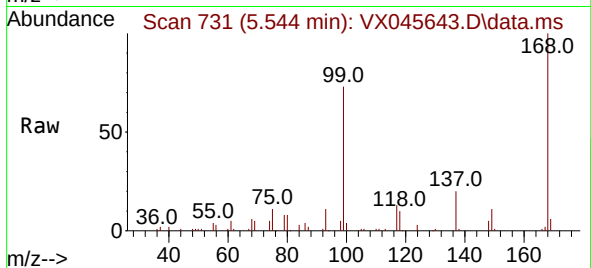
Tgt Ion:113 Resp: 44459
Ion Ratio Lower Upper
113 100
111 104.3 81.8 122.6
192 17.1 13.8 20.6



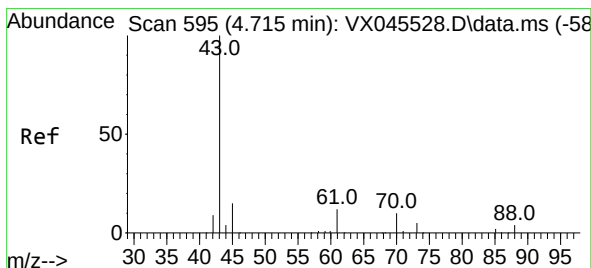
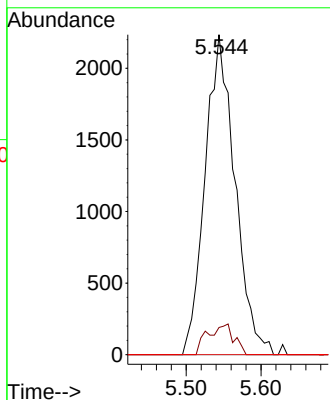
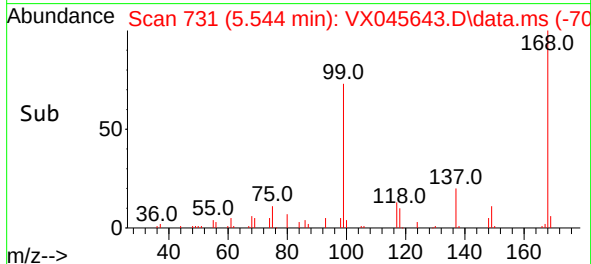


#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

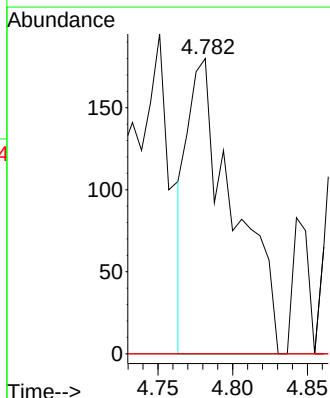
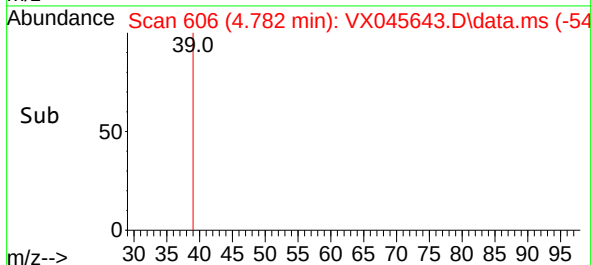
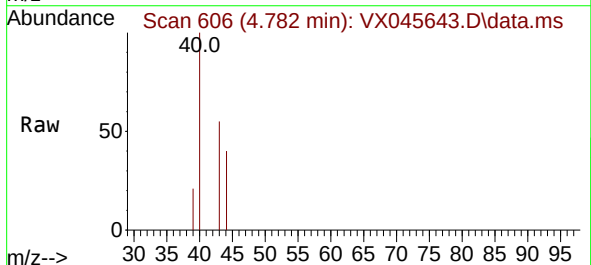


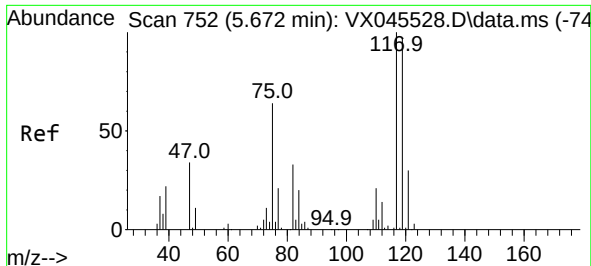
Tgt Ion: 75 Resp: 6214
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.258 ug/l
RT: 4.782 min Scan# 606
Delta R.T. 0.067 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

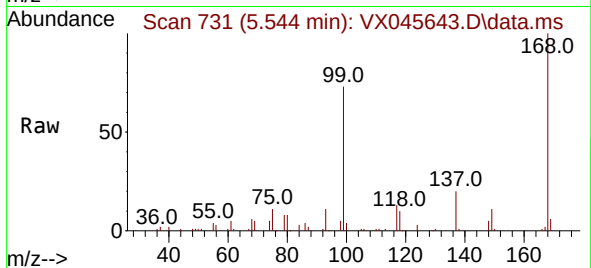
Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



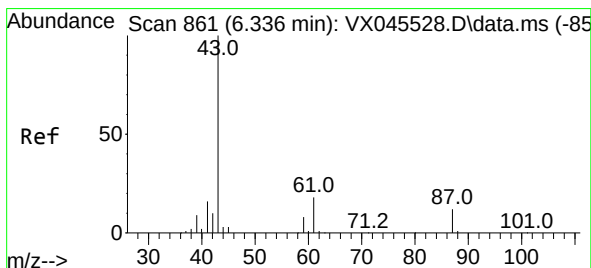
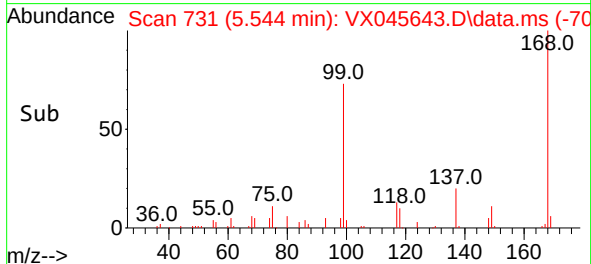
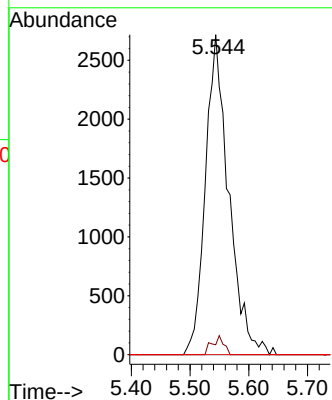


#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

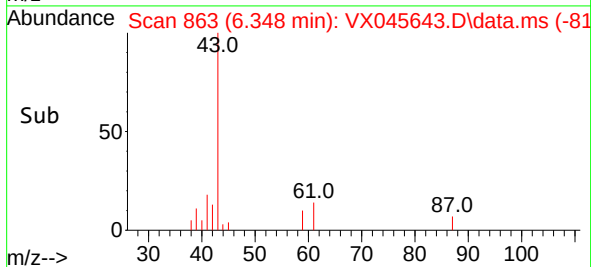
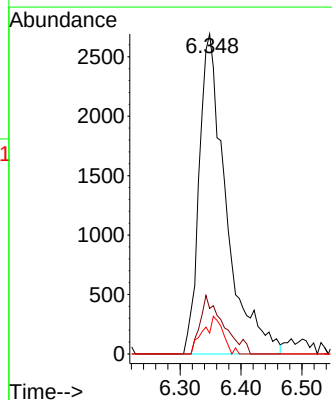
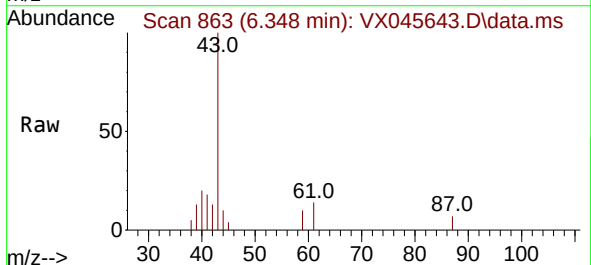


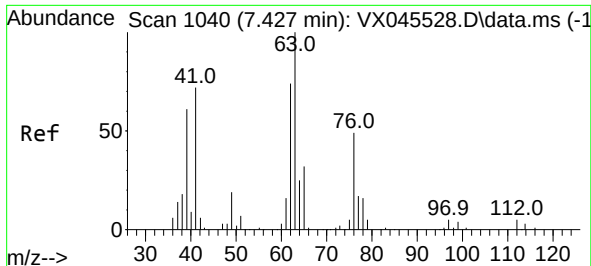
Tgt Ion:117 Resp: 7496
Ion Ratio Lower Upper
117 100
119 3.1 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.617 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Tgt Ion: 43 Resp: 8251
Ion Ratio Lower Upper
43 100
61 15.7 14.1 21.1
87 8.6 9.2 13.8#





#45

1,2-Dichloropropane

Concen: 0.204 ug/l

RT: 7.531 min Scan# 110

Delta R.T. 0.104 min

Lab File: VX045643.D

Acq: 08 Apr 2025 11:41

Instrument :

MSVOA_X

ClientSampleId :

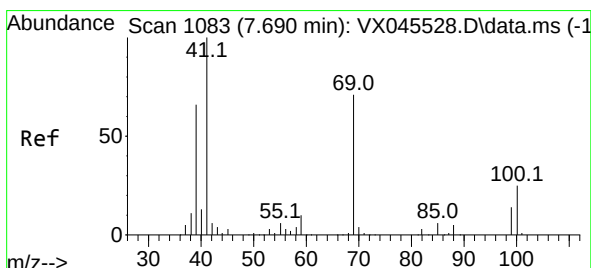
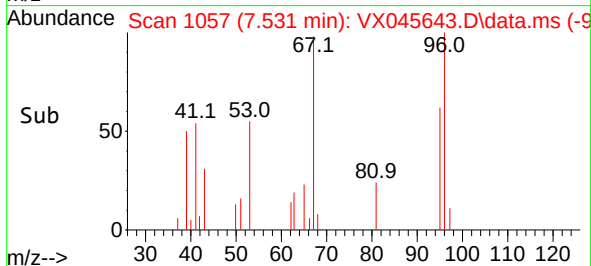
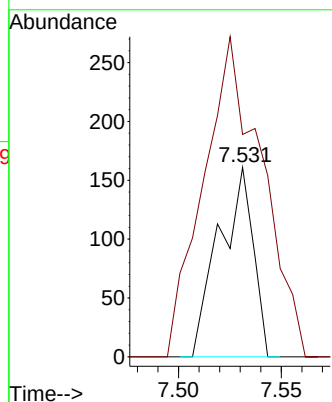
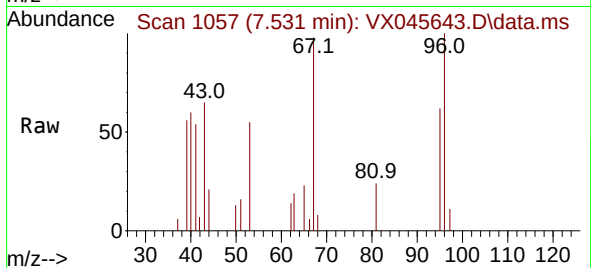
PB167492ZHE01

Tgt Ion: 63 Resp: 186

Ion Ratio Lower Upper

63 100

65 73.3 25.8 38.6#



#48

Methyl methacrylate

Concen: 39.087 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX045643.D

Acq: 08 Apr 2025 11:41

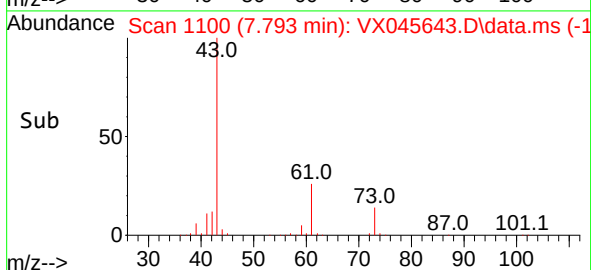
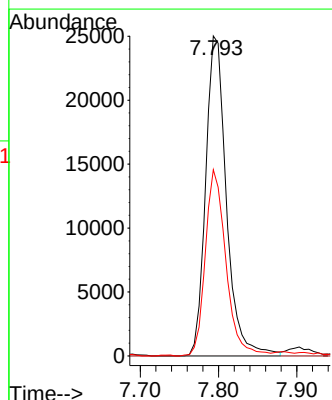
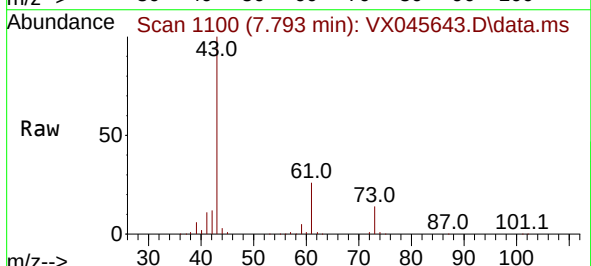
Tgt Ion: 41 Resp: 46033

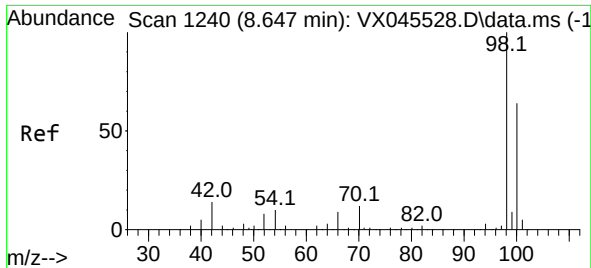
Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 57.9 53.6 80.4

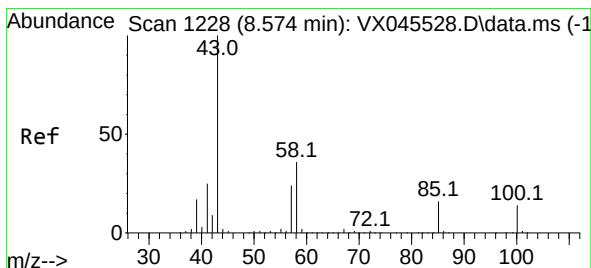
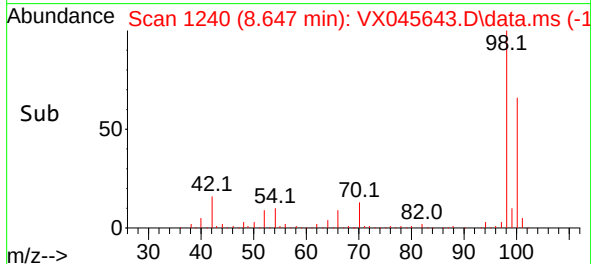
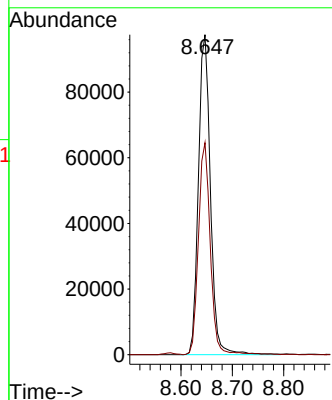
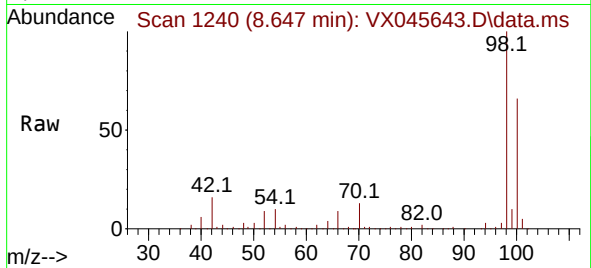




#50
Toluene-d8
Concen: 51.301 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

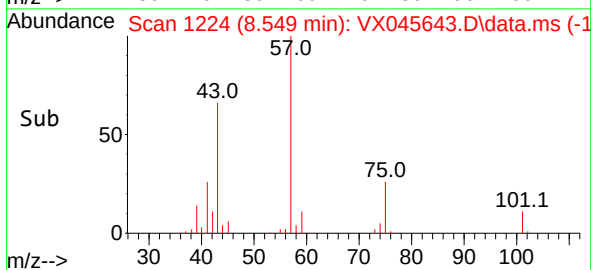
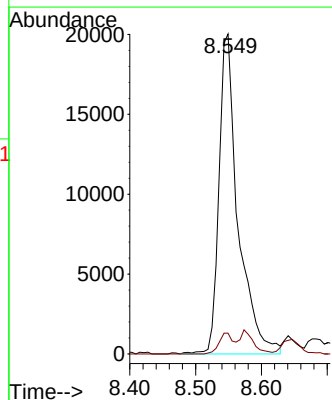
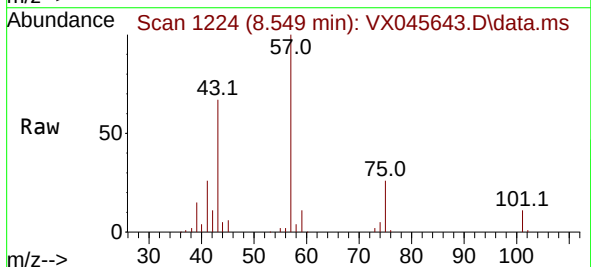
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

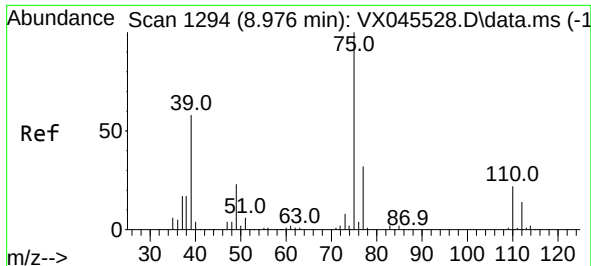
Tgt Ion: 98 Resp: 158374
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 26.757 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Tgt Ion: 43 Resp: 40459
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.468 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045643.D

Acq: 08 Apr 2025 11:41

Instrument :

MSVOA_X

ClientSampleId :

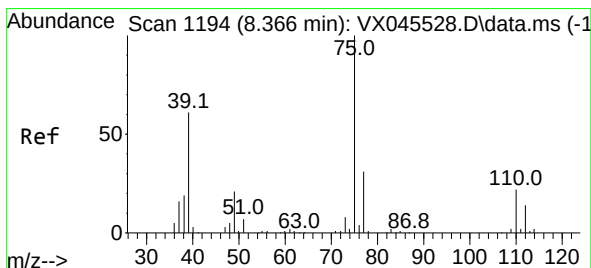
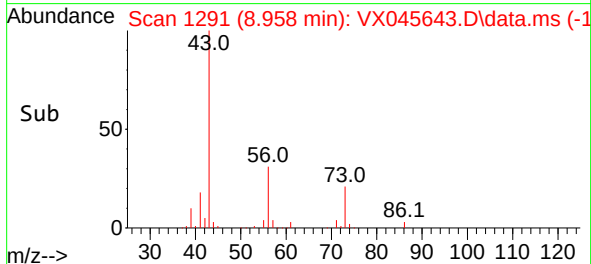
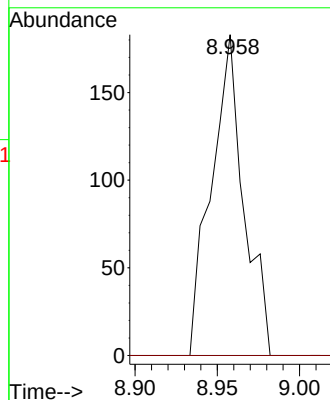
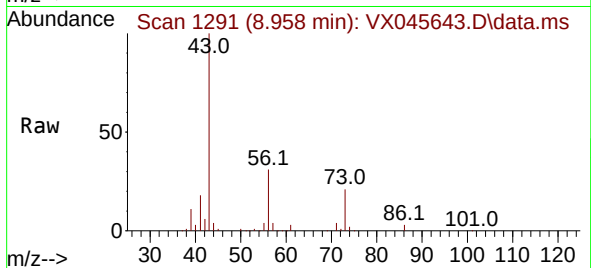
PB167492ZHE01

Tgt Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.493 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.177 min

Lab File: VX045643.D

Acq: 08 Apr 2025 11:41

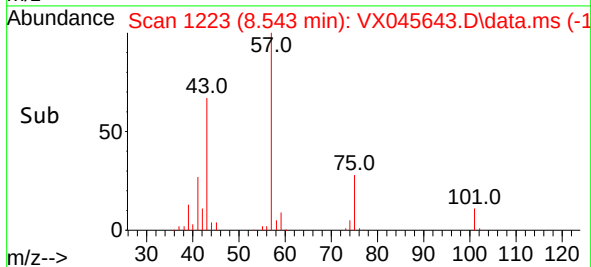
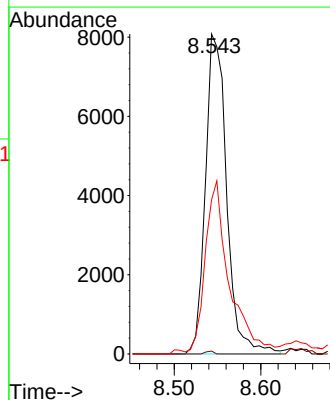
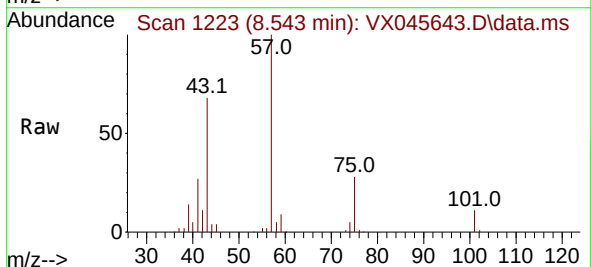
Tgt Ion: 75 Resp: 13756

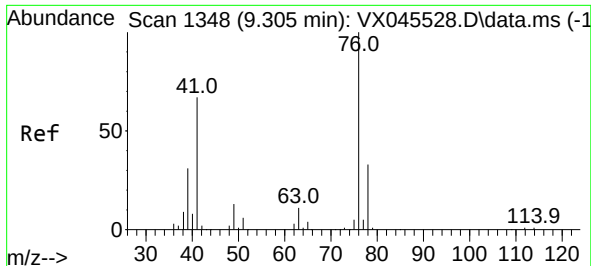
Ion Ratio Lower Upper

75 100

77 0.9 24.6 36.8#

39 47.0 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.878 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045643.D

Acq: 08 Apr 2025 11:41

Instrument :

MSVOA_X

ClientSampleId :

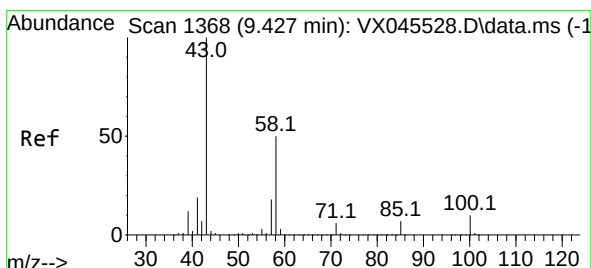
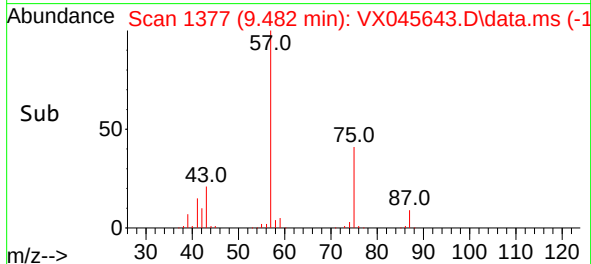
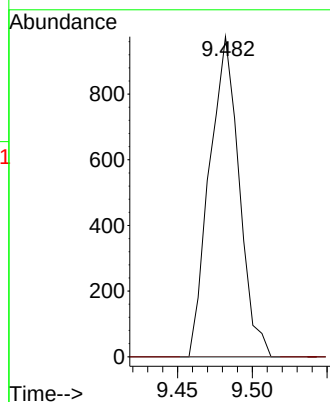
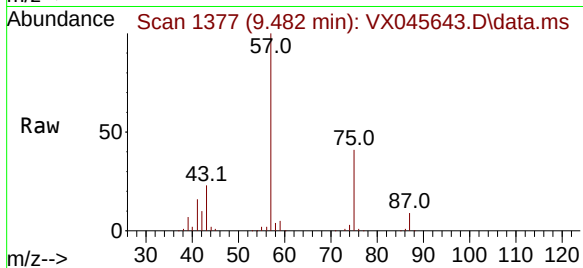
PB167492ZHE01

Tgt Ion: 76 Resp: 1345

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 8.304 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045643.D

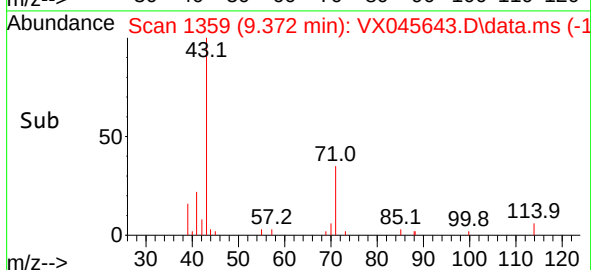
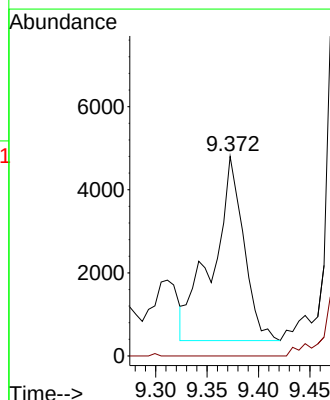
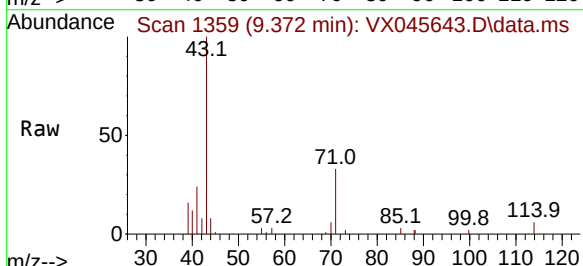
Acq: 08 Apr 2025 11:41

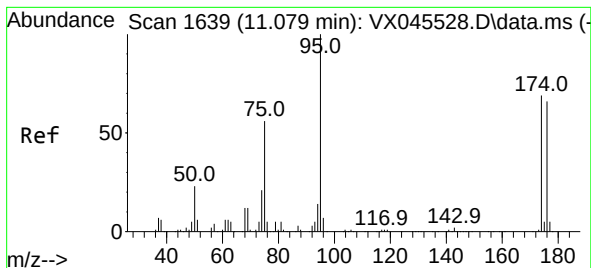
Tgt Ion: 43 Resp: 9298

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

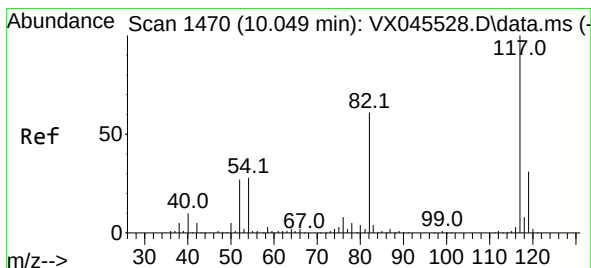
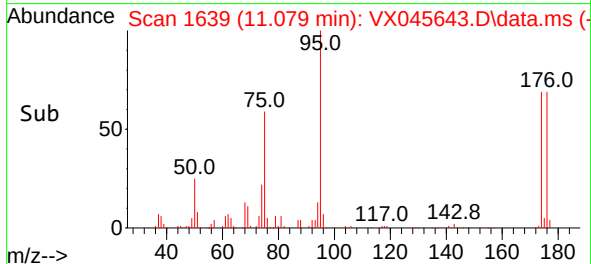
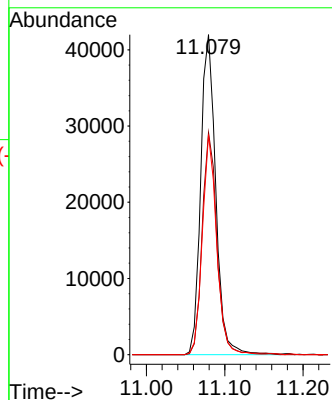
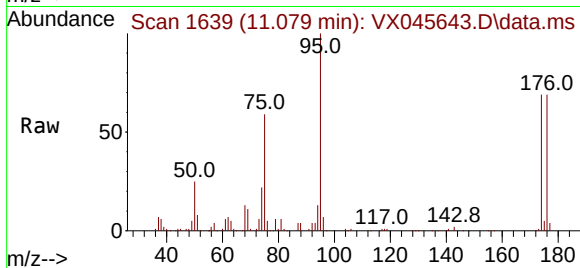




#62
4-Bromofluorobenzene
Concen: 49.859 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

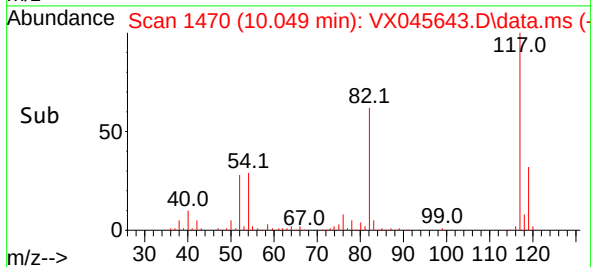
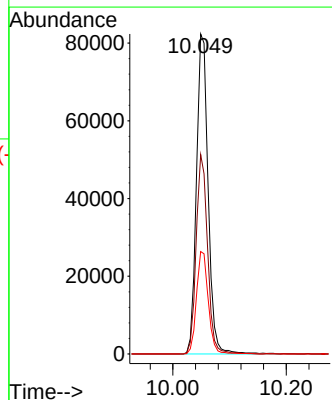
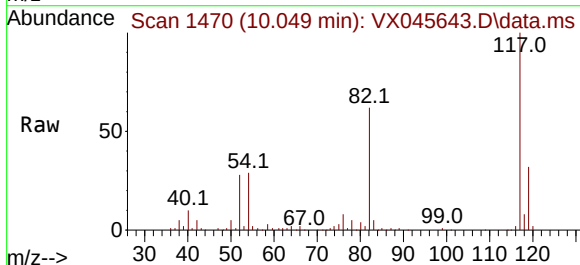
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

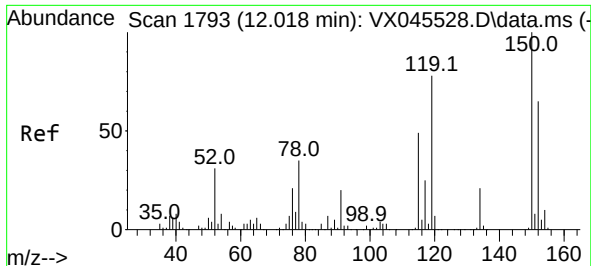
Tgt Ion: 95 Resp: 56067
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.8
176 65.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

Tgt Ion: 117 Resp: 117793
Ion Ratio Lower Upper
117 100
82 62.3 49.2 73.8
119 32.0 25.1 37.7

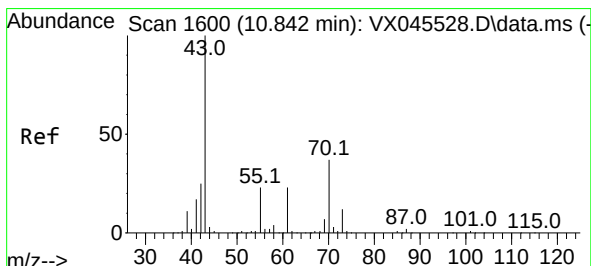
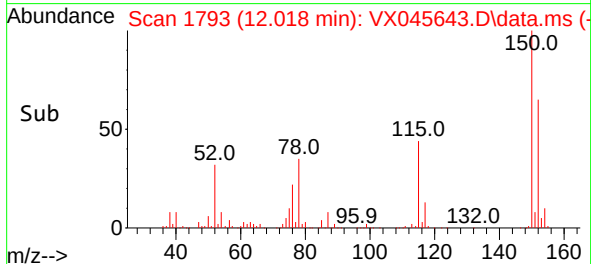
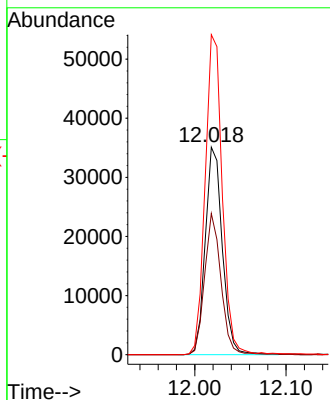
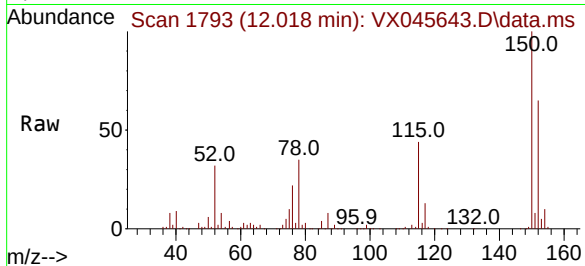




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045643.D
 Acq: 08 Apr 2025 11:41

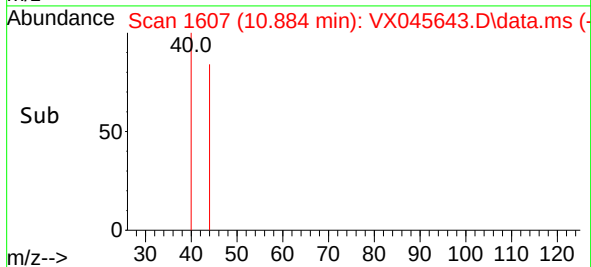
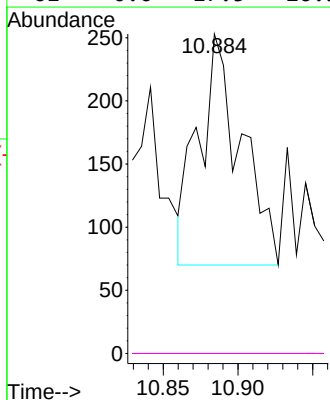
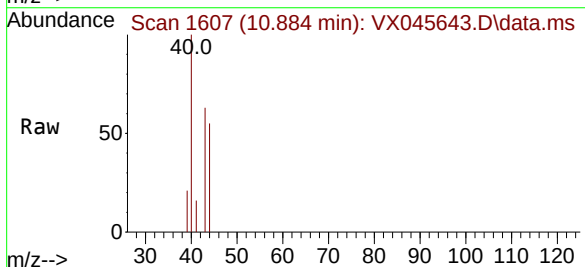
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE01

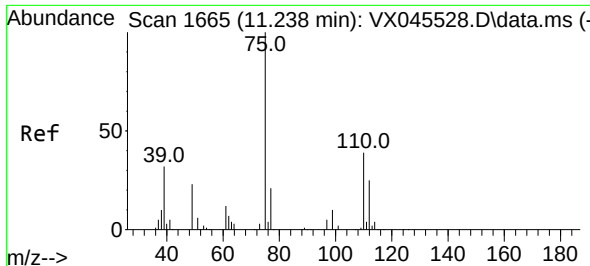
Tgt Ion:152 Resp: 45376
 Ion Ratio Lower Upper
 152 100
 115 65.5 46.9 140.7
 150 155.4 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.208 ug/l
 RT: 10.884 min Scan# 1607
 Delta R.T. 0.043 min
 Lab File: VX045643.D
 Acq: 08 Apr 2025 11:41

Tgt Ion: 43 Resp: 361
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 0.0 18.3 27.5#
 61 0.0 17.5 26.3#

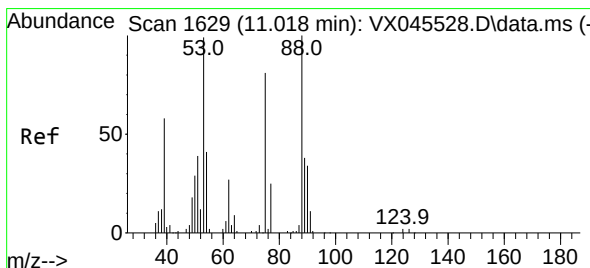
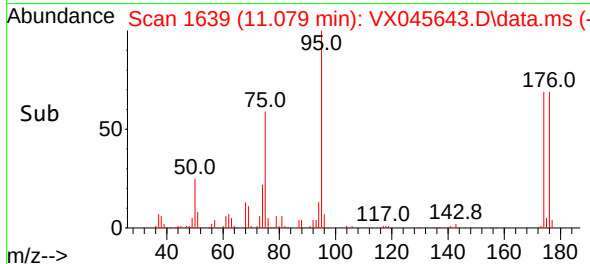
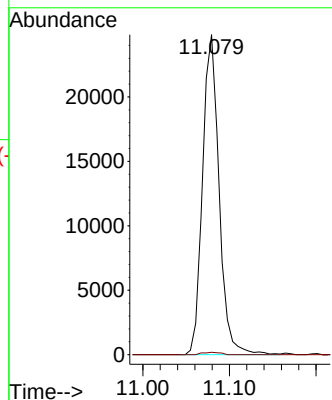
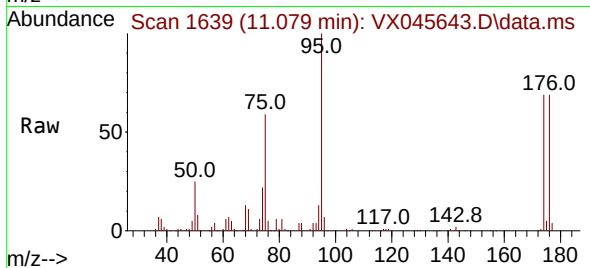




#76
1,2,3-Trichloropropane
Concen: 29.785 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

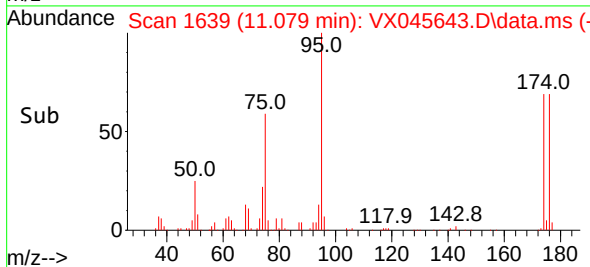
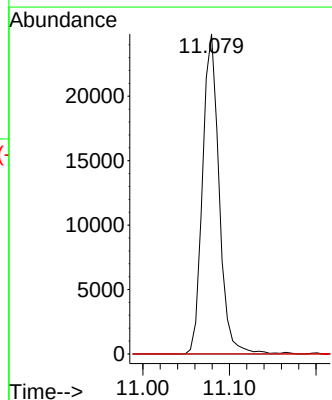
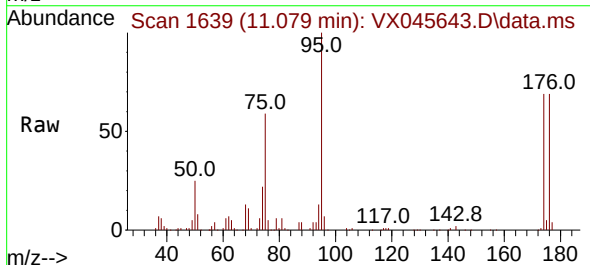
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE01

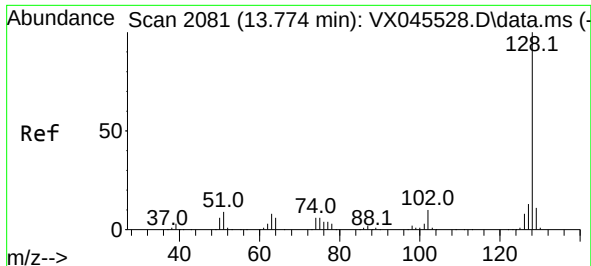
Tgt Ion: 75 Resp: 32967
Ion Ratio Lower Upper
75 100
77 0.8 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.087 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045643.D
Acq: 08 Apr 2025 11:41

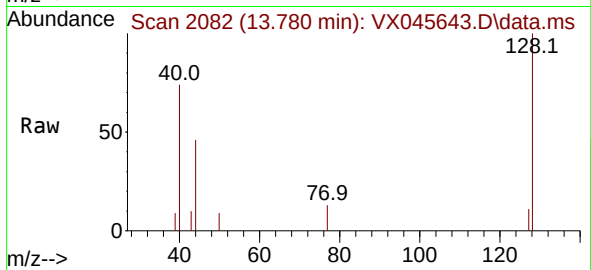
Tgt Ion: 75 Resp: 32967
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 0.282 ug/l
 RT: 13.780 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX045643.D
 Acq: 08 Apr 2025 11:41

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE01



Tgt Ion:128 Resp: 887
 Ion Ratio Lower Upper
 128 100
 127 2.9 10.3 15.5#
 129 0.0 8.6 12.8#

