

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031725\
 Data File : VX045303.D
 Acq On : 17 Mar 2025 14:16
 Operator : JC/MD
 Sample : PB167134TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167134TB

Quant Time: Mar 18 01:26:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

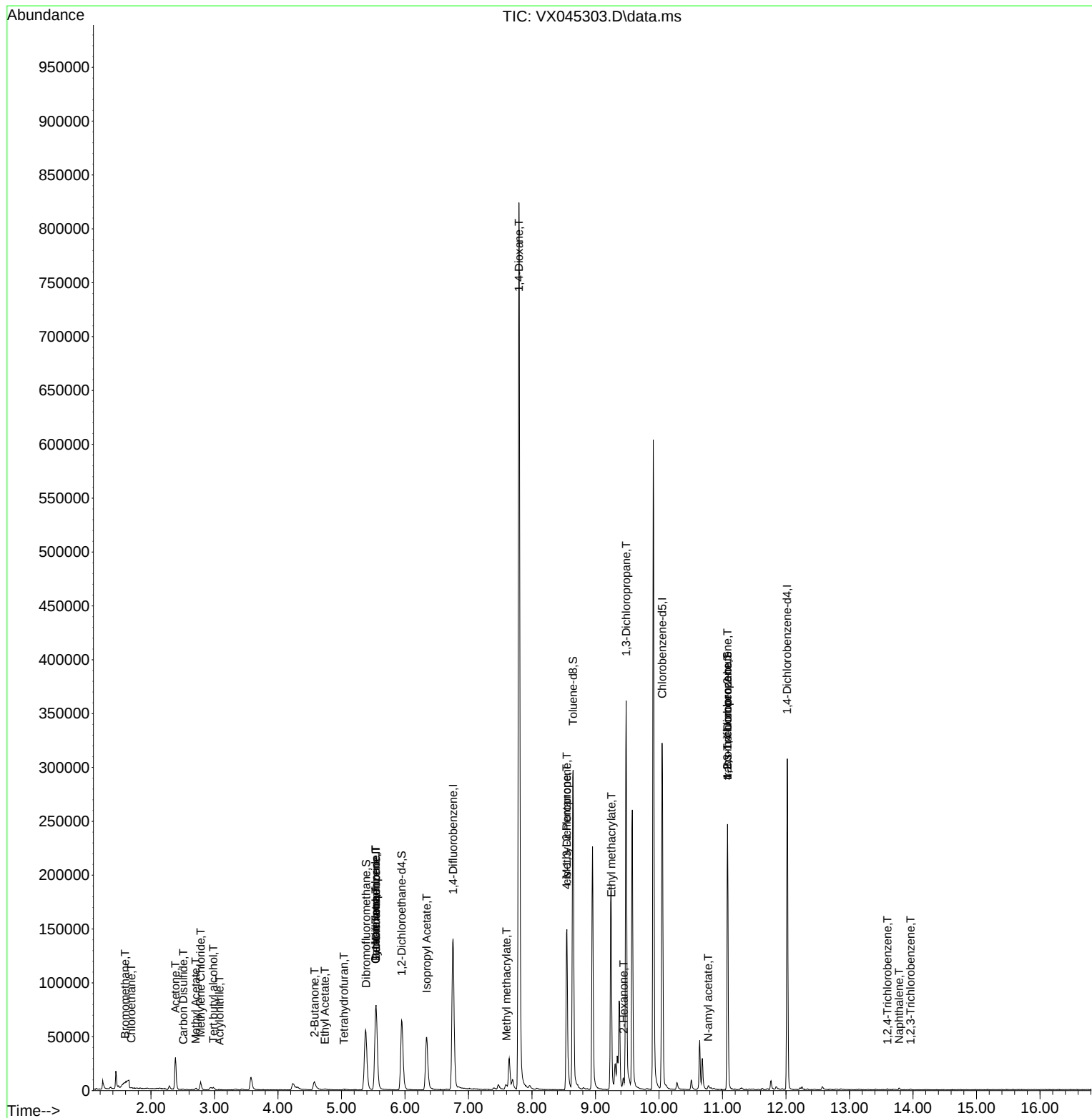
Internal Standards						
1) Pentafluorobenzene	5.544	168	71609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142657	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	62648	55.000	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.000%			
35) Dibromofluoromethane	5.385	113	48972	51.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.680%			
50) Toluene-d8	8.647	98	178772	51.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.380%			
62) 4-Bromofluorobenzene	11.079	95	63340	55.272	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.540%			
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	221	0.514	ug/l #	58
6) Chloroethane	1.691	64	156	0.309	ug/l #	41
11) Tert butyl alcohol	2.983	59	3843	17.812	ug/l #	91
15) Acrylonitrile	3.081	53	180	0.311	ug/l #	30
16) Acetone	2.386	43	32624	61.731	ug/l	100
17) Carbon Disulfide	2.508	76	541	0.231	ug/l #	77
18) Methyl Acetate	2.703	43	1840	1.447	ug/l	95
20) Methylene Chloride	2.782	84	3036	2.900	ug/l	93
25) 2-Butanone	4.574	43	15740	19.786	ug/l	97
29) Tetrahydrofuran	5.038	42	579	1.084	ug/l #	58
31) Cyclohexane	5.538	56	2010	1.297	ug/l #	11
36) 1,1-Dichloropropene	5.544	75	6521	4.985	ug/l #	51
37) Ethyl Acetate	4.739	43	1716	1.018	ug/l #	85
38) Carbon Tetrachloride	5.538	117	7799	5.872	ug/l #	15
43) Isopropyl Acetate	6.342	43	70631	28.336	ug/l	99
48) Methyl methacrylate	7.598	41	2449	1.958	ug/l #	15
49) 1,4-Dioxane	7.793	88	55	2.085	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	58854	35.164	ug/l #	47
54) cis-1,3-Dichloropropene	8.549	75	23521	16.385	ug/l #	71
56) Ethyl methacrylate	9.250	69	498	0.328	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3071	1.778	ug/l #	43
59) 2-Hexanone	9.439	43	6985	5.760	ug/l	89
74) N-amyl acetate	10.775	43	2425	1.157	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	35311	26.510	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35311	90.722	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.597	180	351	0.327	ug/l	79
95) Naphthalene	13.780	128	1526	0.370	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.963	180	312	0.275	ug/l #	81

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

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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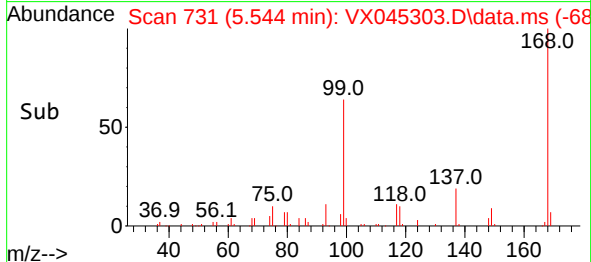
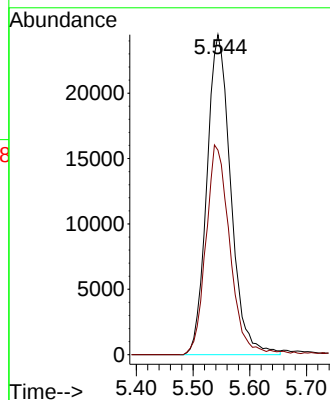
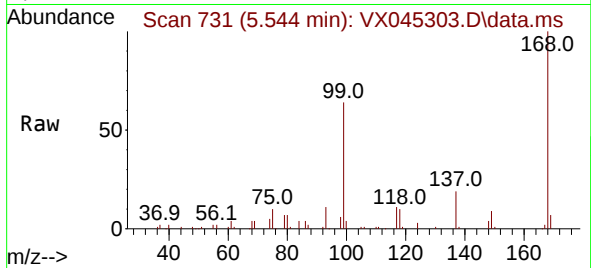




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

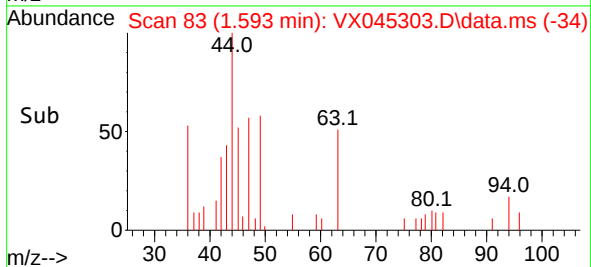
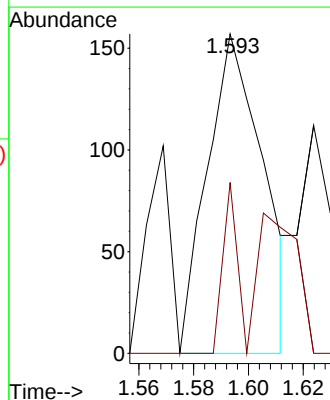
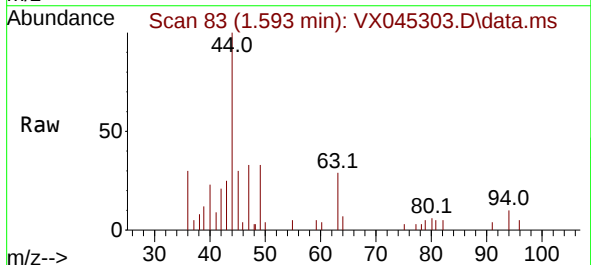
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

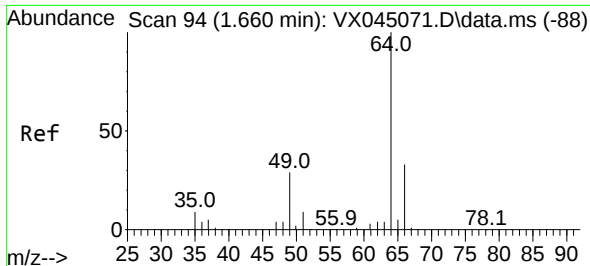
Tgt Ion:168 Resp: 71609
Ion Ratio Lower Upper
168 100
99 63.9 48.2 72.4



#5
Bromomethane
Concen: 0.514 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 94 Resp: 221
Ion Ratio Lower Upper
94 100
96 53.5 75.0 112.4#

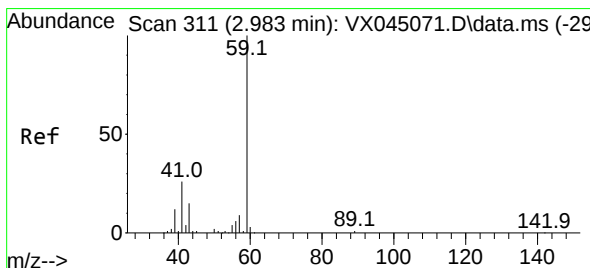
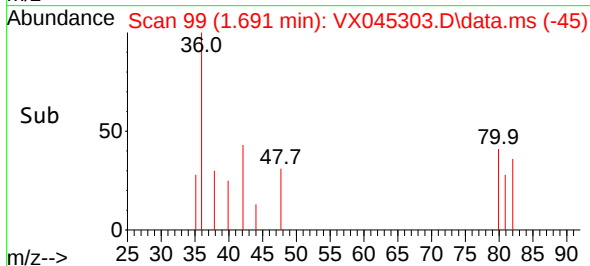
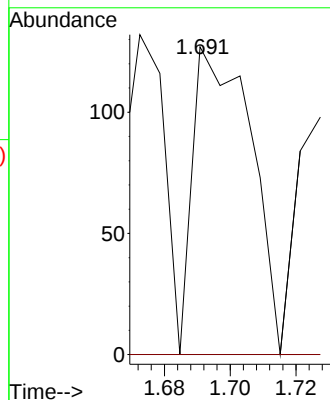
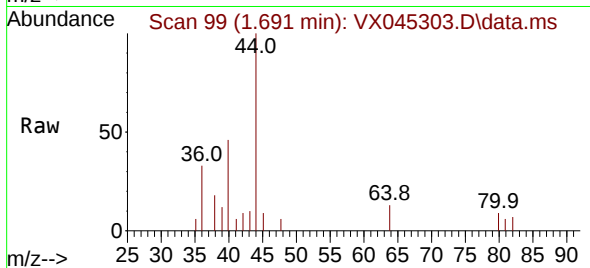




#6
Chloroethane
Concen: 0.309 ug/l
RT: 1.691 min Scan# 94
Delta R.T. 0.031 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

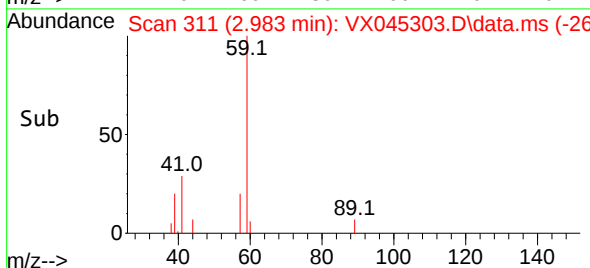
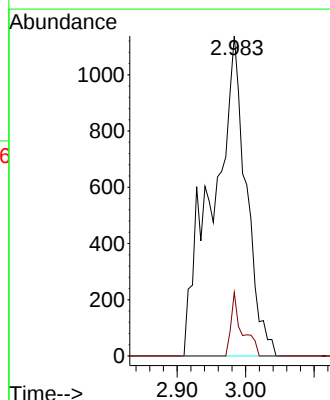
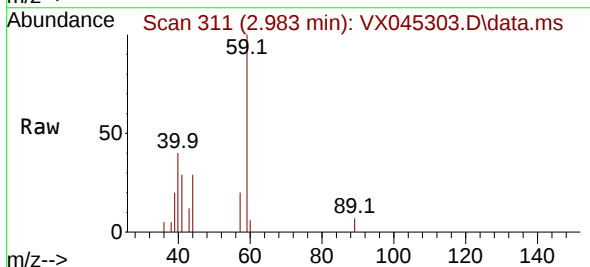
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

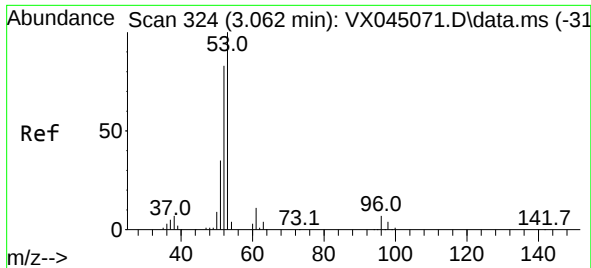
Tgt Ion: 64 Resp: 156
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#11
Tert butyl alcohol
Concen: 17.812 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 59 Resp: 3843
Ion Ratio Lower Upper
59 100
57 6.6 7.8 11.8#





#15

Acrylonitrile

Concen: 0.311 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX045303.D

Acq: 17 Mar 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

PB167134TB

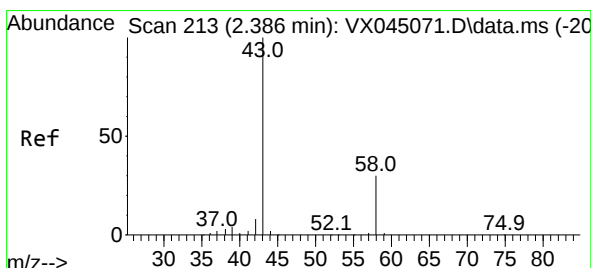
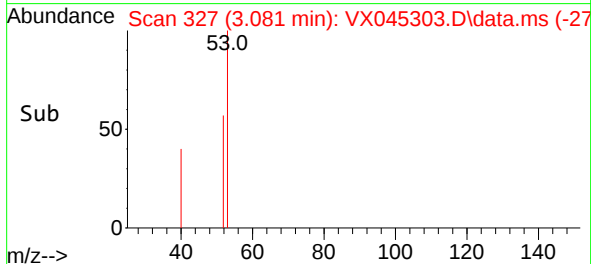
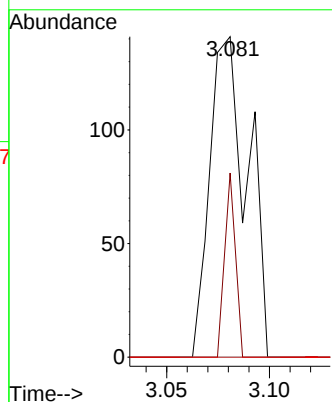
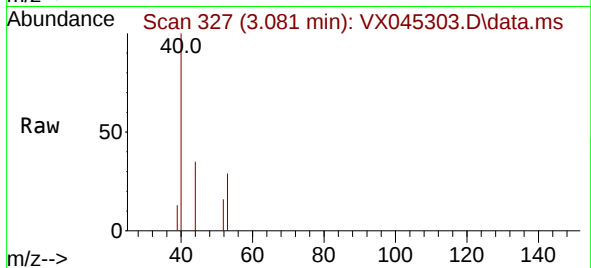
Tgt Ion: 53 Resp: 180

Ion Ratio Lower Upper

53 100

52 16.7 66.2 99.2#

51 0.0 29.0 43.4#



#16

Acetone

Concen: 61.731 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX045303.D

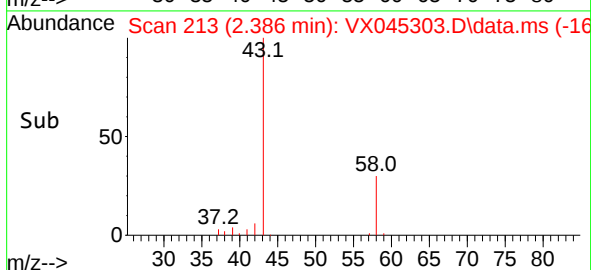
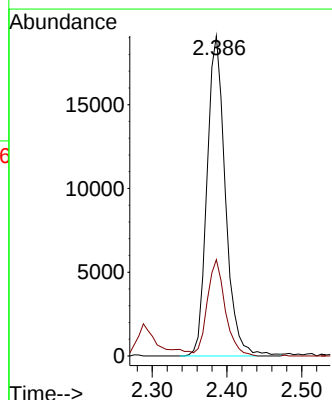
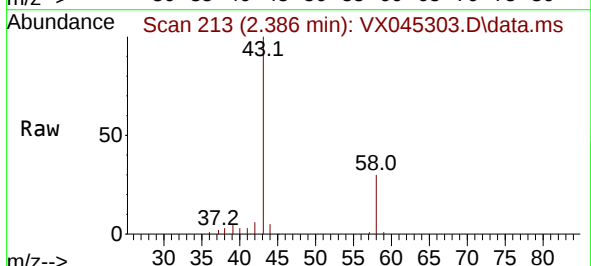
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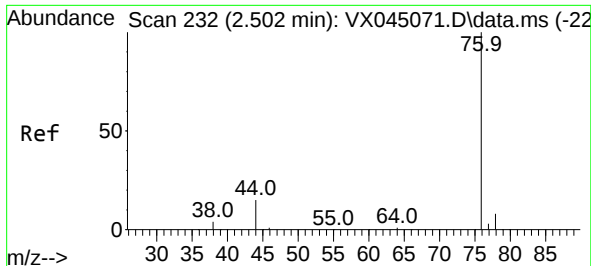
Tgt Ion: 43 Resp: 32624

Ion Ratio Lower Upper

43 100

58 30.1 24.2 36.4

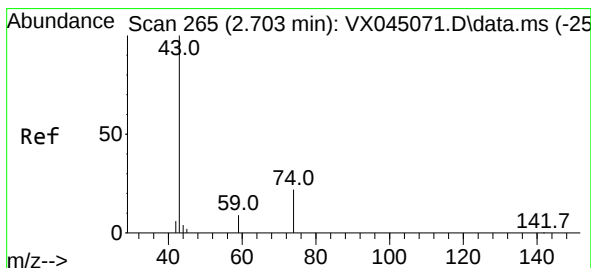
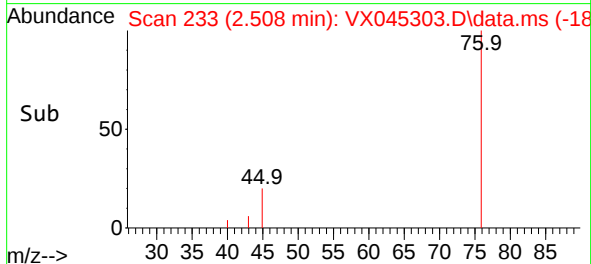
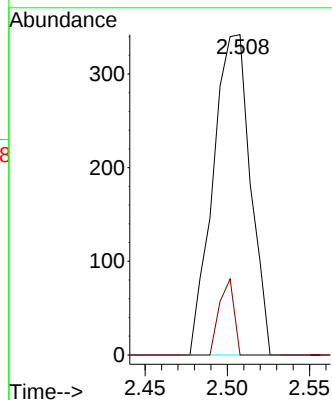
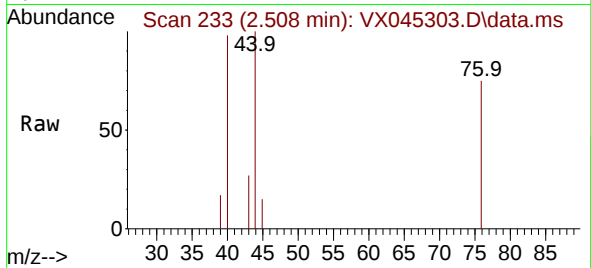




#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

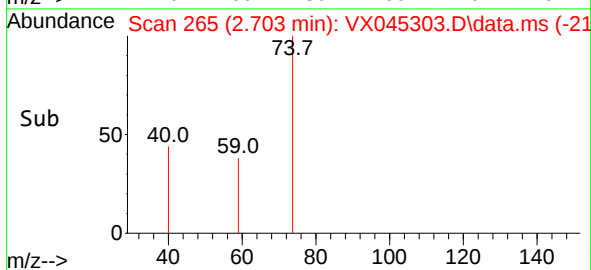
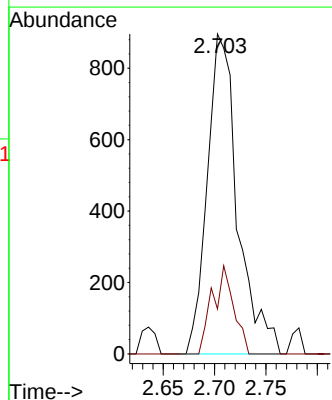
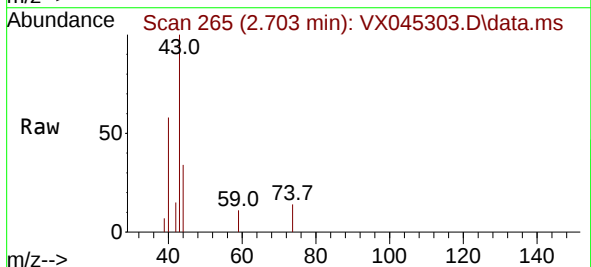
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

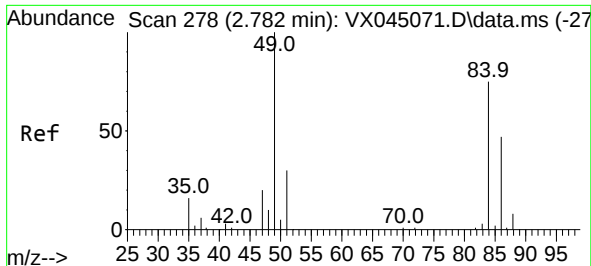
Tgt Ion: 76 Resp: 541
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#18
Methyl Acetate
Concen: 1.447 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
74 19.3 17.4 26.2

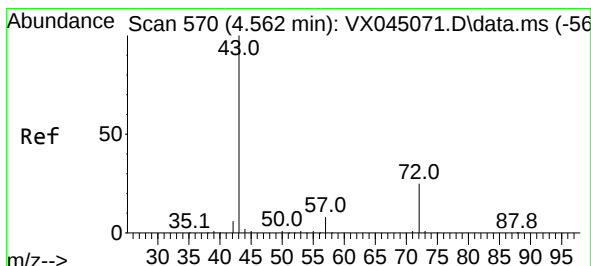
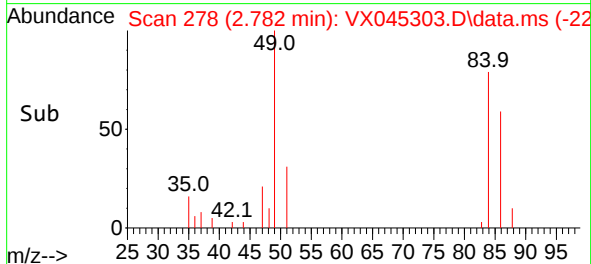
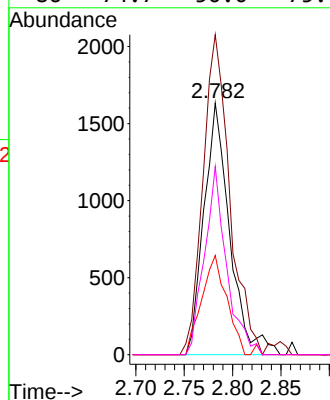
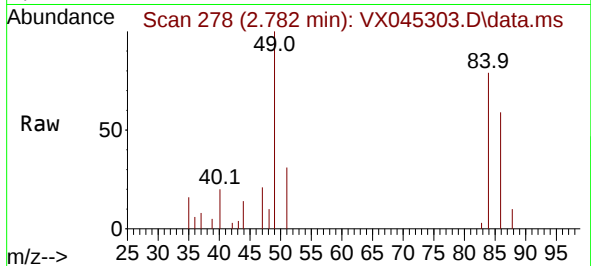




#20
Methylene Chloride
Concen: 2.900 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

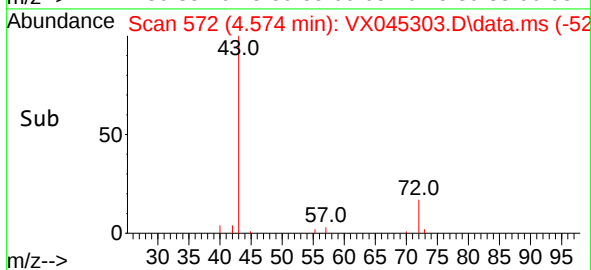
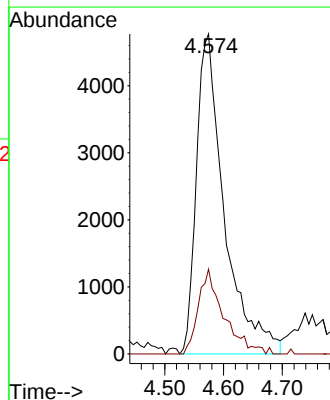
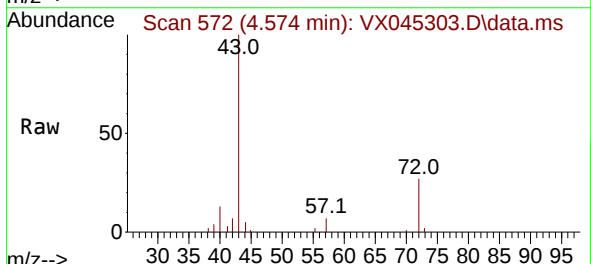
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MSVOA_X
ClientSampleId :
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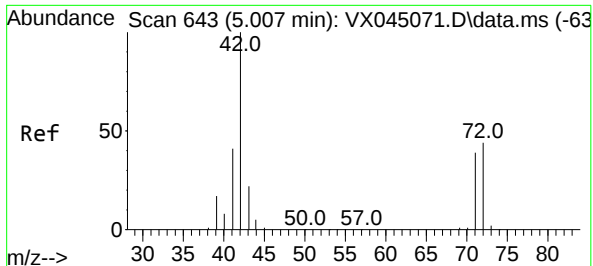
Tgt Ion:	84	Resp:	3036
Ion	Ratio	Lower	Upper
84	100		
49	127.1	106.5	159.7
51	39.4	32.1	48.1
86	74.7	50.0	75.0



#25
2-Butanone
Concen: 19.786 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion:	43	Resp:	15740
Ion	Ratio	Lower	Upper
43	100		
72	26.5	20.0	30.0





#29

Tetrahydrofuran

Concen: 1.084 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX045303.D

Acq: 17 Mar 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

PB167134TB

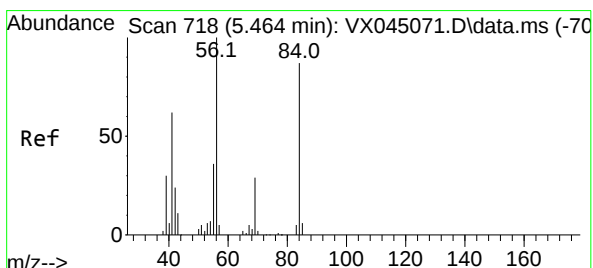
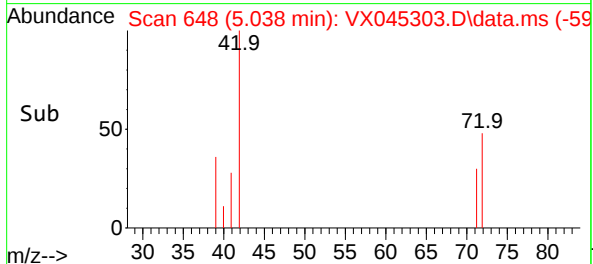
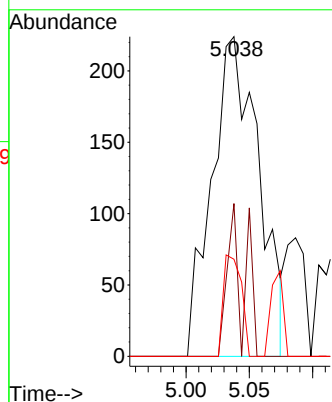
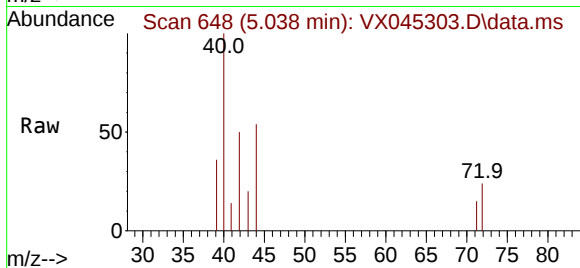
Tgt Ion: 42 Resp: 579

Ion Ratio Lower Upper

42 100

72 16.8 34.1 51.1#

71 12.1 31.4 47.0#



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045303.D

Acq: 17 Mar 2025 14:16

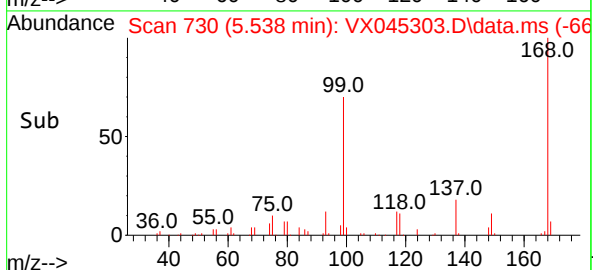
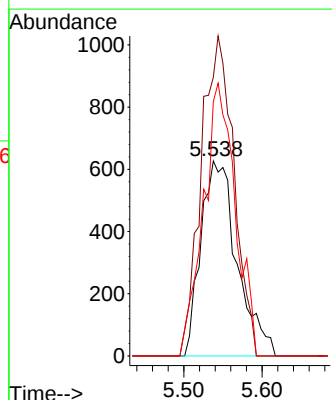
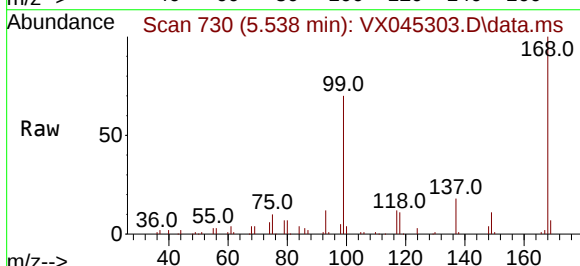
Tgt Ion: 56 Resp: 2010

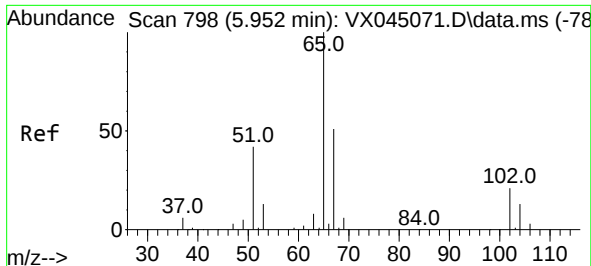
Ion Ratio Lower Upper

56 100

69 142.9 23.4 35.2#

84 130.5 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 55.000 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045303.D

Acq: 17 Mar 2025 14:16

Instrument :

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ClientSampleId :

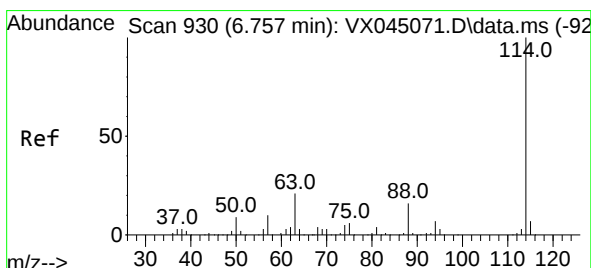
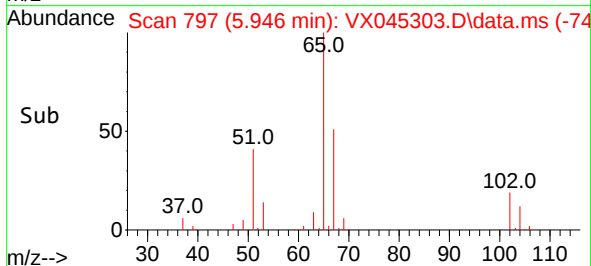
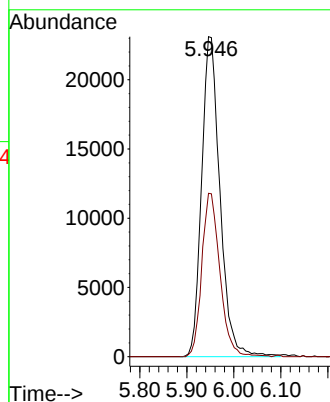
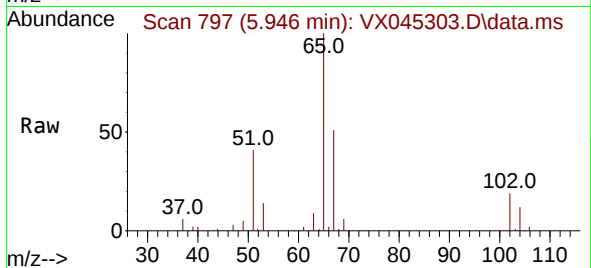
PB167134TB

Tgt Ion: 65 Resp: 62648

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045303.D

Acq: 17 Mar 2025 14:16

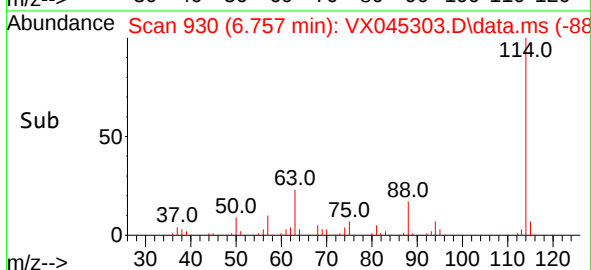
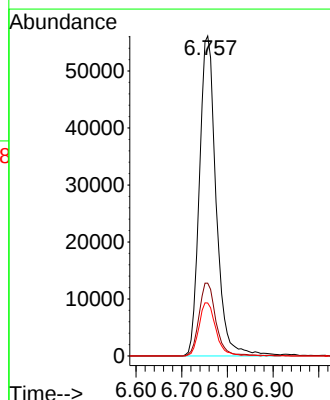
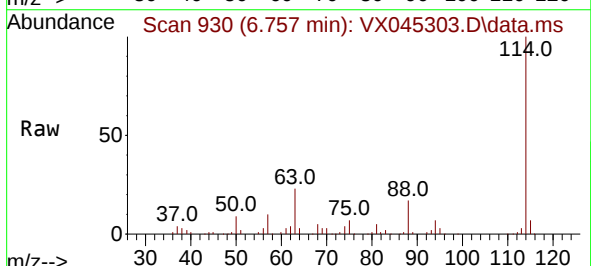
Tgt Ion: 114 Resp: 142657

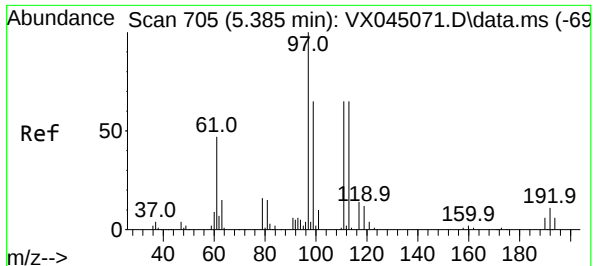
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.6 0.0 32.8

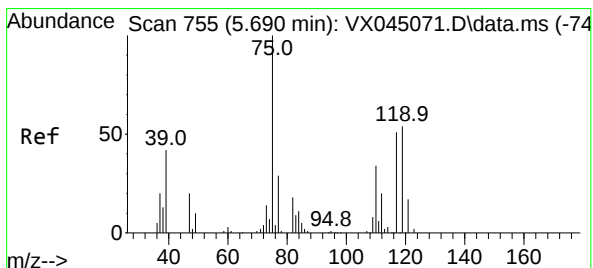
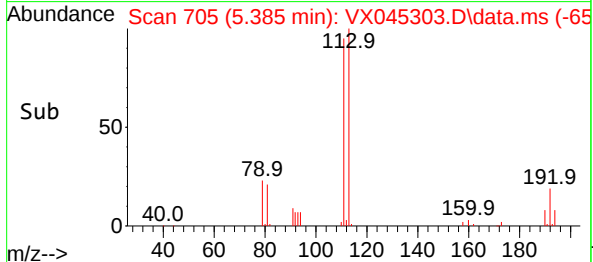
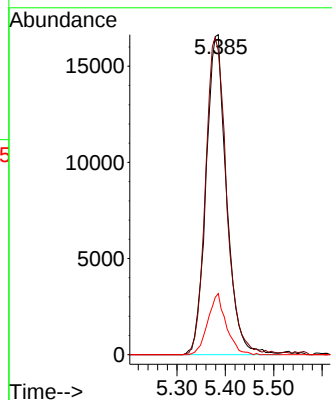
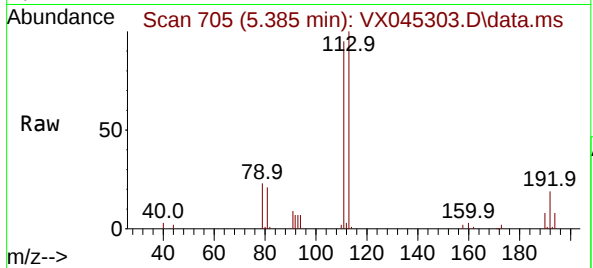




#35
Dibromofluoromethane
Concen: 51.338 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

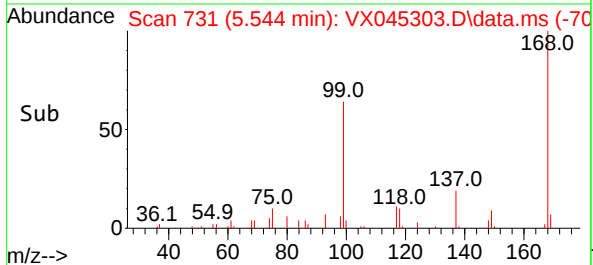
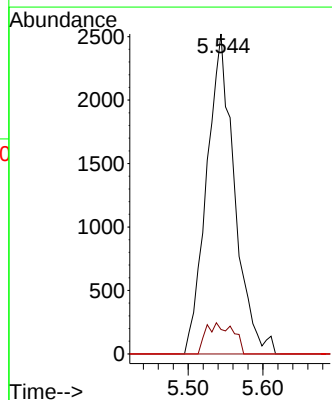
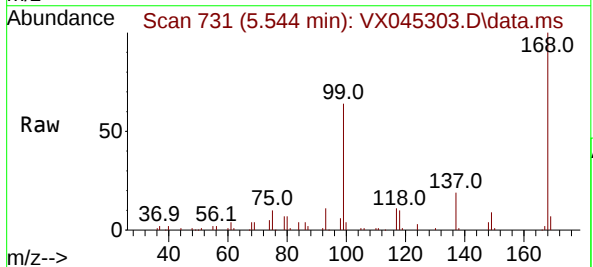
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

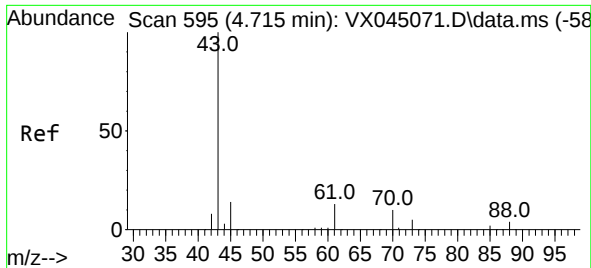
Tgt Ion:113 Resp: 48972
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.6
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 75 Resp: 6521
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.6#
77 0.0 24.5 36.7#

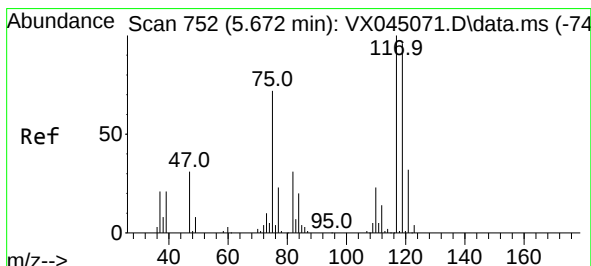
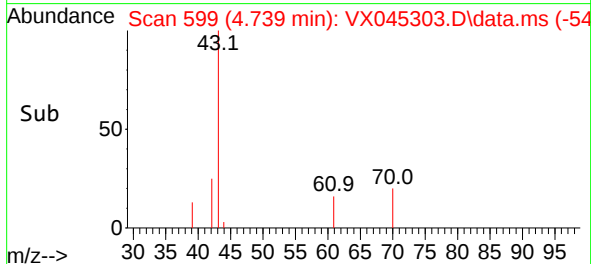
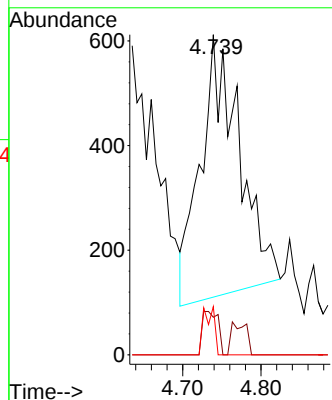
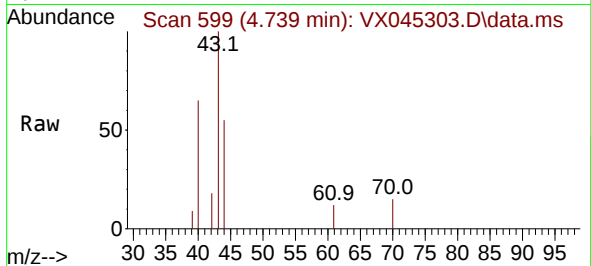




#37
Ethyl Acetate
Concen: 1.018 ug/l
RT: 4.739 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

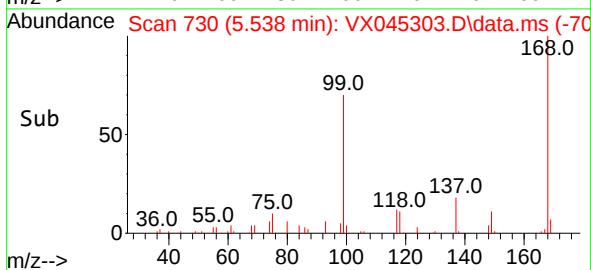
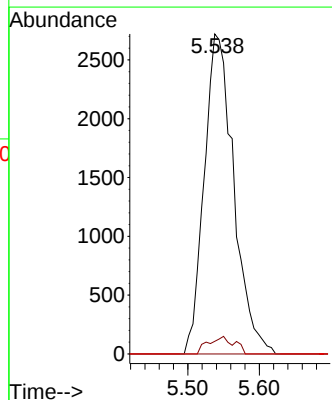
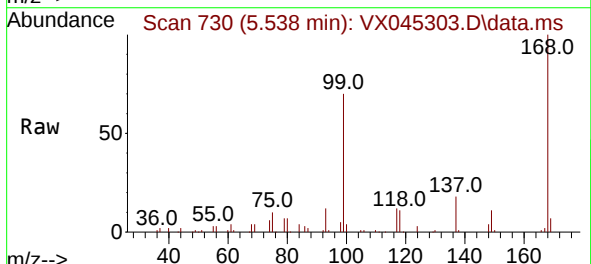
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

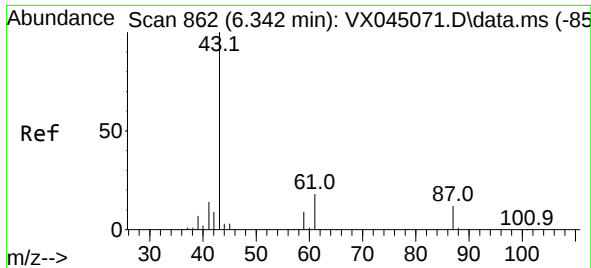
Tgt Ion: 43 Resp: 1716
Ion Ratio Lower Upper
43 100
61 6.7 10.8 16.2#
70 5.1 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.872 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 117 Resp: 7799
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
121 0.0 25.5 38.3#

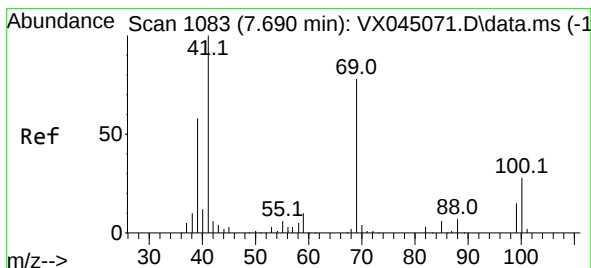
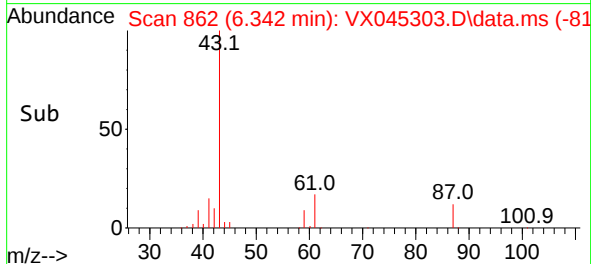
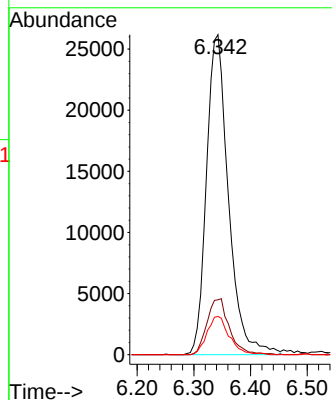
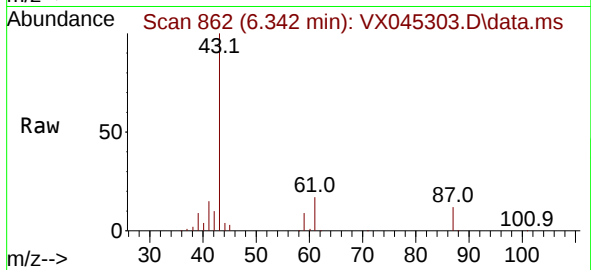




#43
Isopropyl Acetate
Concen: 28.336 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

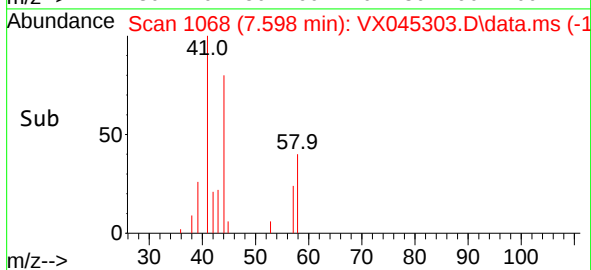
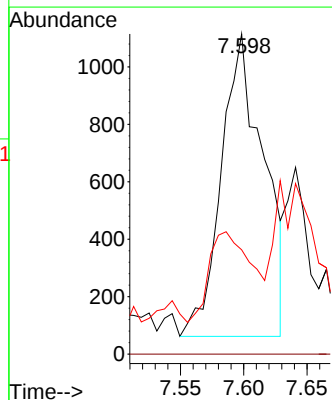
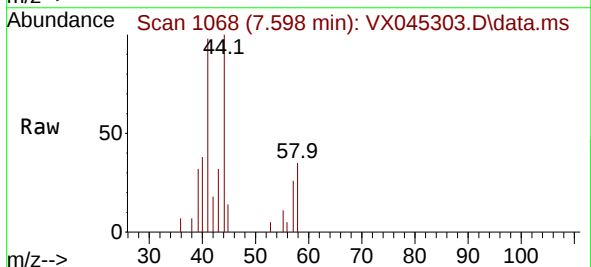
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

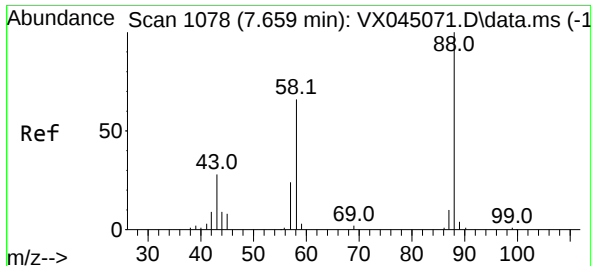
Tgt Ion: 43 Resp: 70631
Ion Ratio Lower Upper
43 100
61 17.8 14.9 22.3
87 11.9 9.4 14.2



#48
Methyl methacrylate
Concen: 1.958 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 41 Resp: 2449
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 0.0 47.5 71.3#

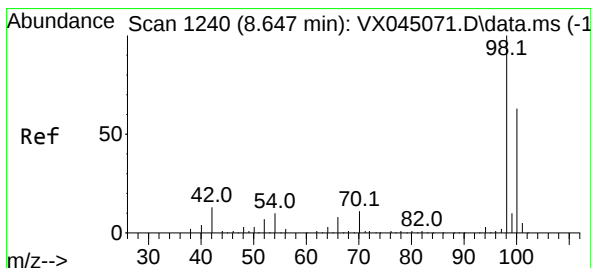
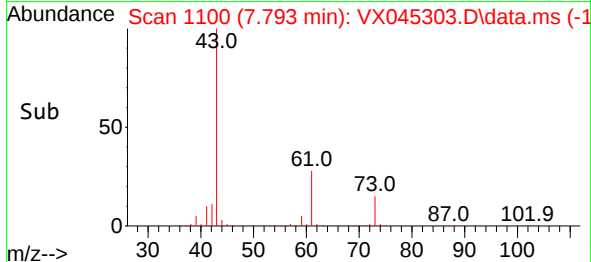
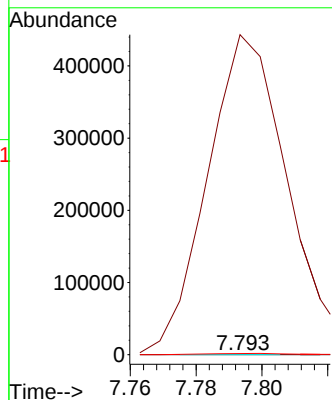
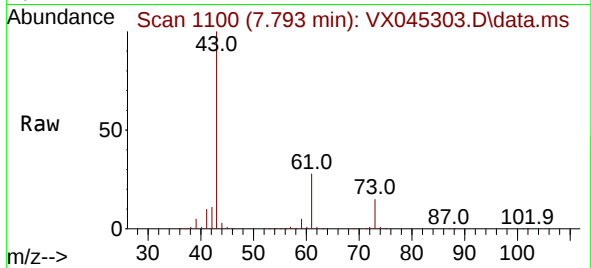




#49
 1,4-Dioxane
 Concen: 2.085 ug/l
 RT: 7.793 min Scan# 1100
 Delta R.T. 0.134 min
 Lab File: VX045303.D
 Acq: 17 Mar 2025 14:16

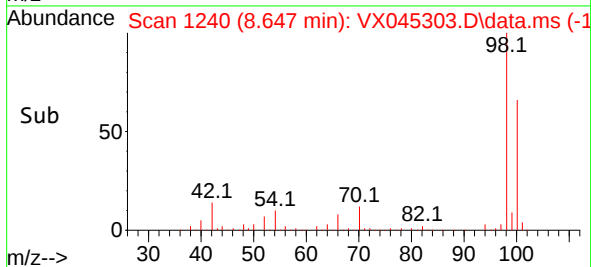
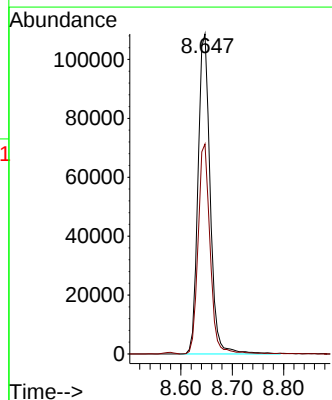
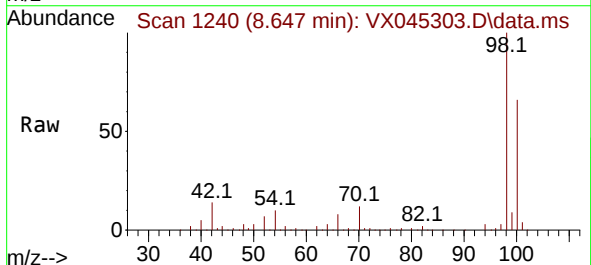
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167134TB

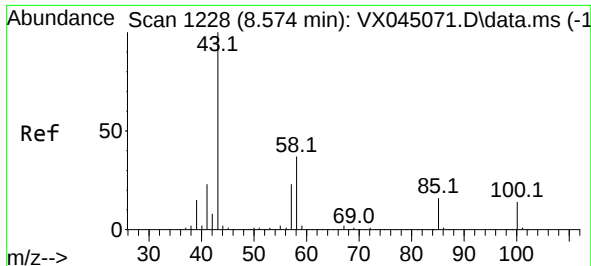
Tgt Ion: 88 Resp: 55
 Ion Ratio Lower Upper
 88 100
 43 1410930.9 28.7 43.1#
 58 6180.0 55.8 83.8#



#50
 Toluene-d8
 Concen: 51.694 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX045303.D
 Acq: 17 Mar 2025 14:16

Tgt Ion: 98 Resp: 178772
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.0 78.0

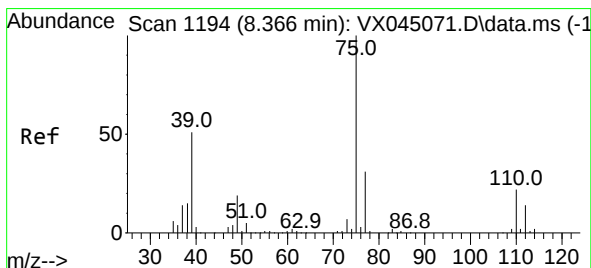
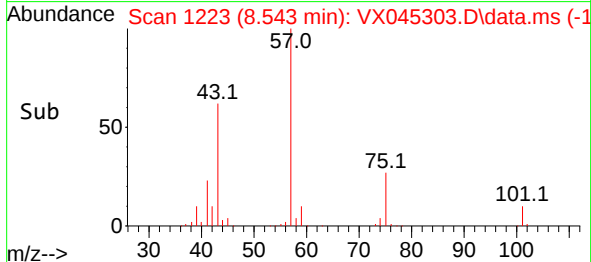
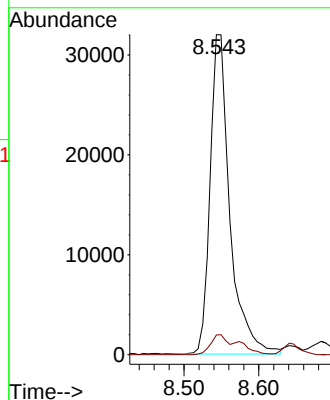
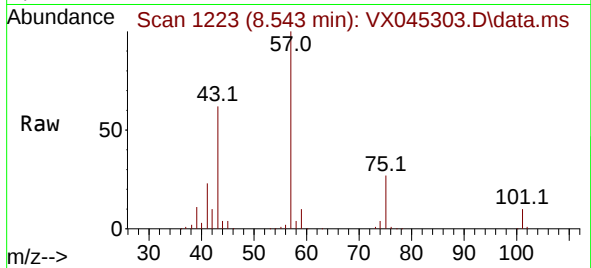




#51
4-Methyl-2-Pentanone
Concen: 35.164 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

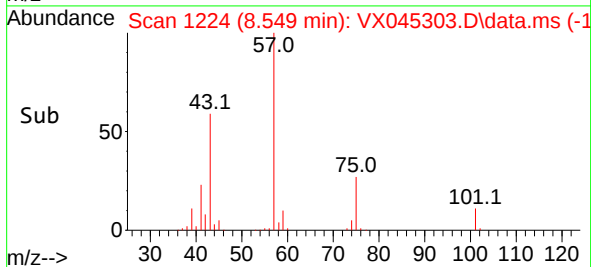
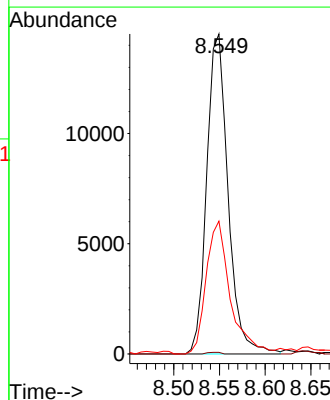
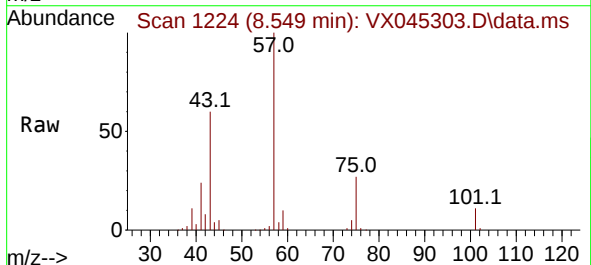
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

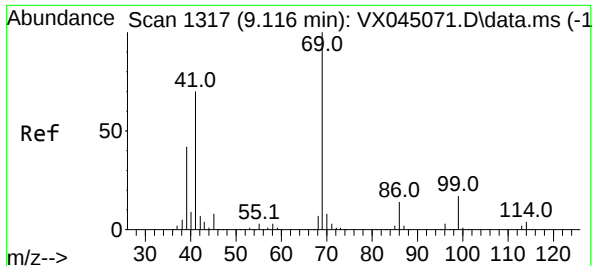
Tgt Ion: 43 Resp: 58854
Ion Ratio Lower Upper
43 100
58 5.3 29.2 43.8#



#54
cis-1,3-Dichloropropene
Concen: 16.385 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 75 Resp: 23521
Ion Ratio Lower Upper
75 100
77 0.5 24.7 37.1#
39 41.5 40.7 61.1

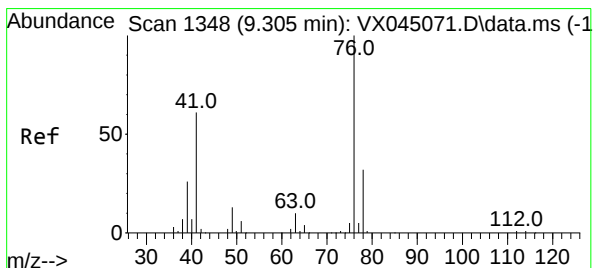
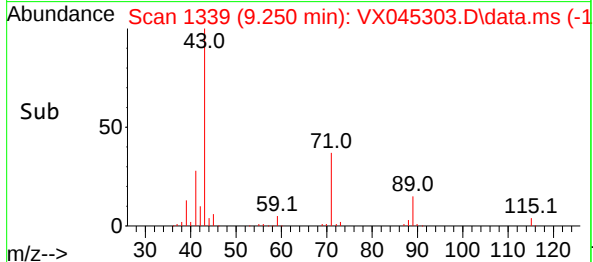
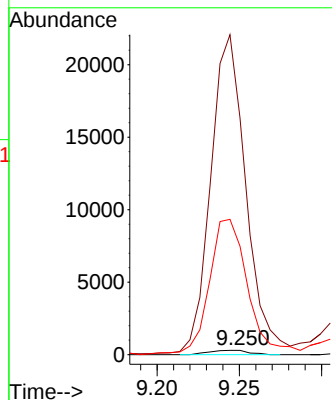
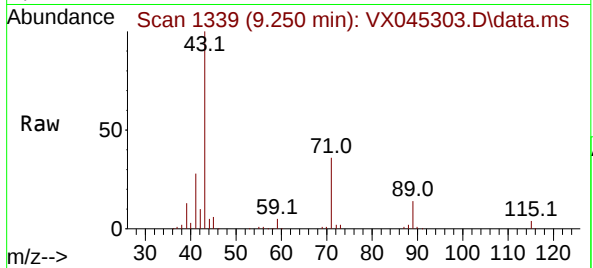




#56
Ethyl methacrylate
Concen: 0.328 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

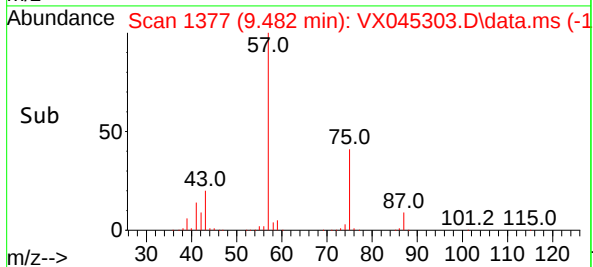
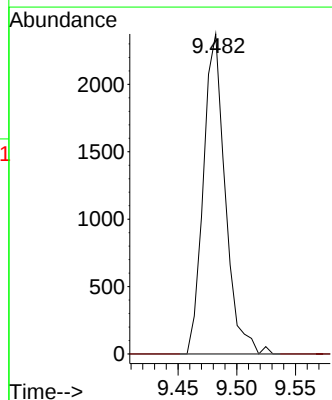
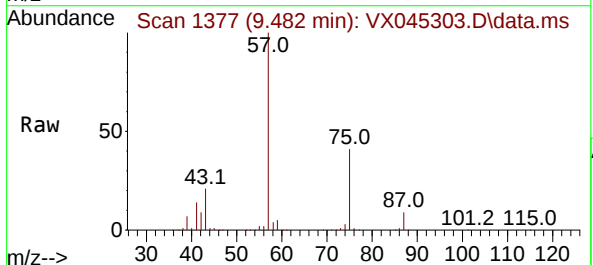
Instrument :
MSVOA_X
ClientSampleId :
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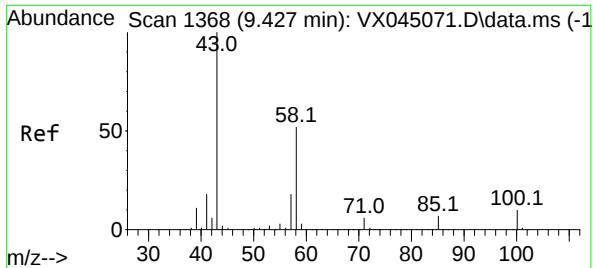
Tgt Ion: 69 Resp: 498
Ion Ratio Lower Upper
69 100
41 6655.6 57.0 85.4#
39 3053.2 34.2 51.4#



#57
1,3-Dichloropropane
Concen: 1.778 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 76 Resp: 3071
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

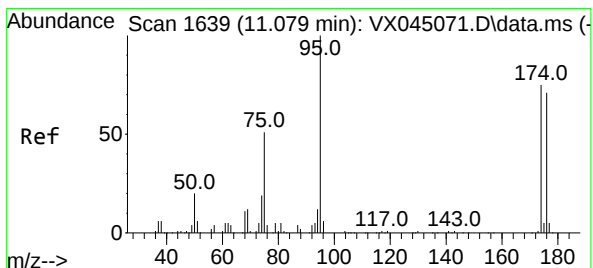
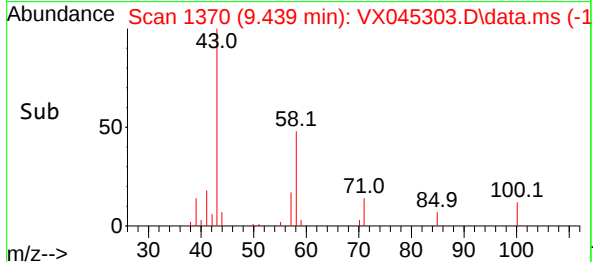
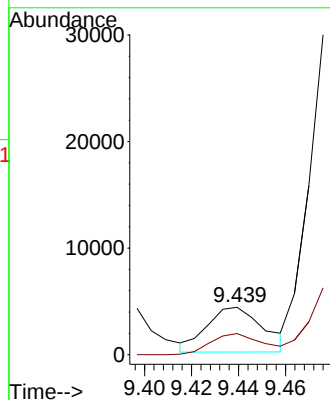
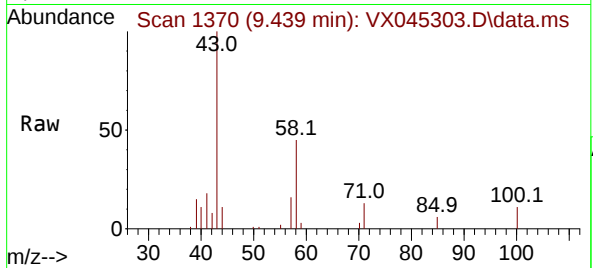




#59
2-Hexanone
Concen: 5.760 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

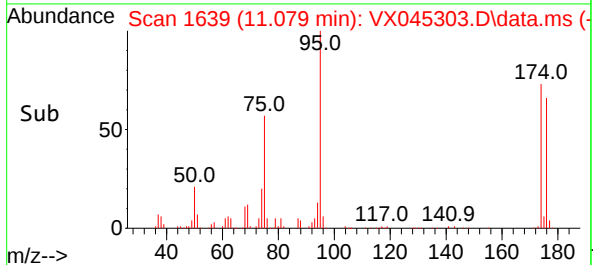
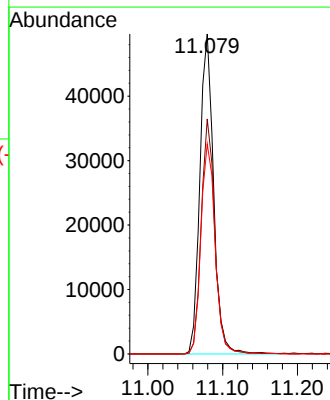
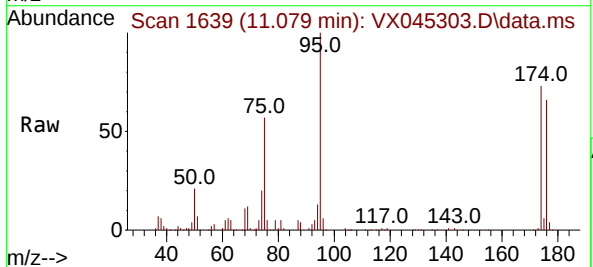
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

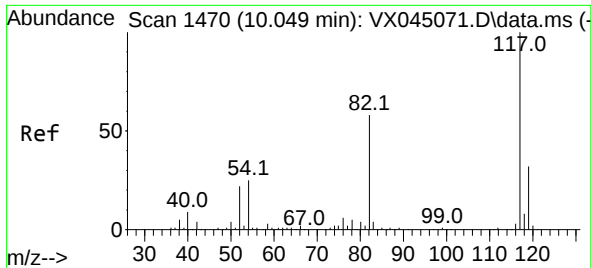
Tgt Ion: 43 Resp: 6985
Ion Ratio Lower Upper
43 100
58 44.2 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 55.272 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion: 95 Resp: 63340
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.2
176 68.3 0.0 141.4

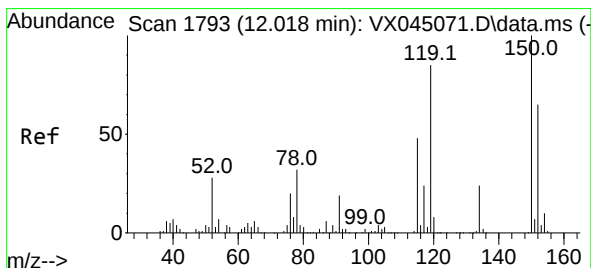
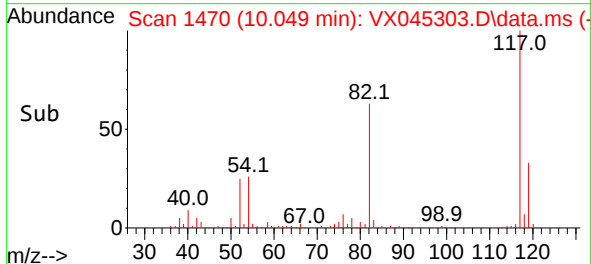
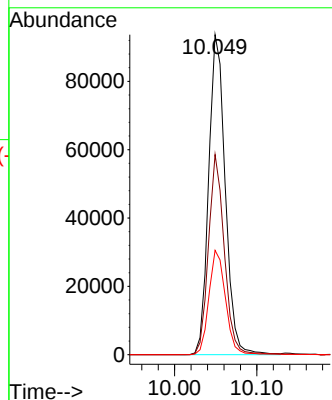
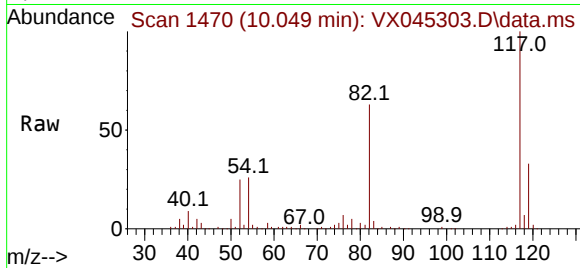




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

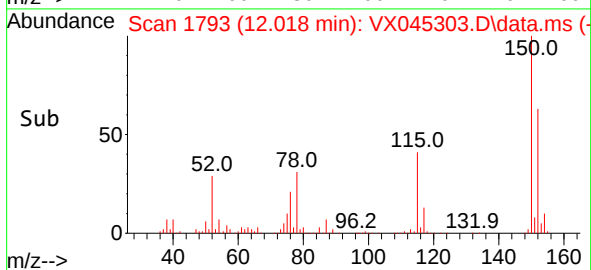
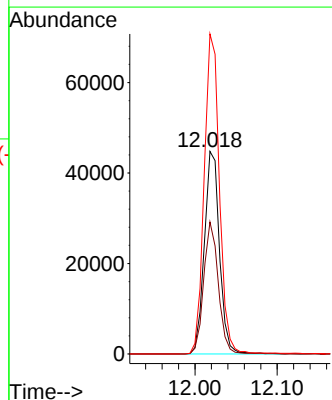
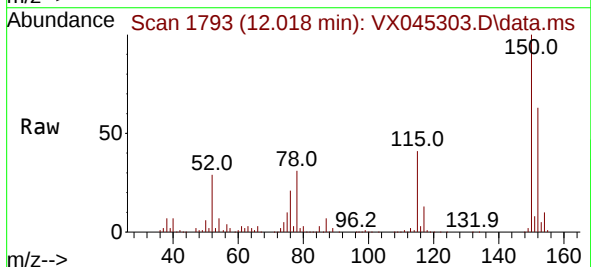
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

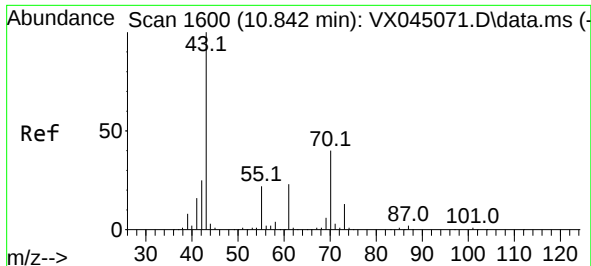
Tgt Ion:117 Resp: 131231
Ion Ratio Lower Upper
117 100
82 62.5 46.3 69.5
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion:152 Resp: 57228
Ion Ratio Lower Upper
152 100
115 63.2 44.2 132.6
150 159.1 0.0 349.0

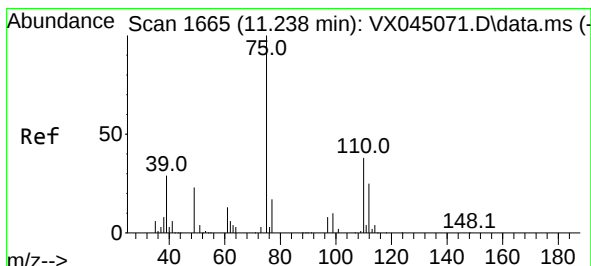
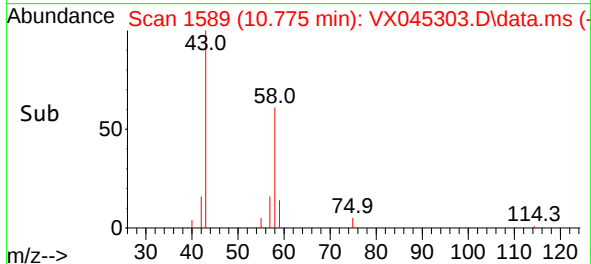
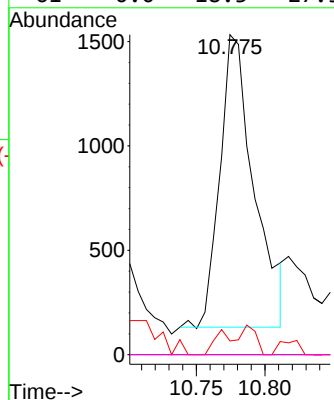
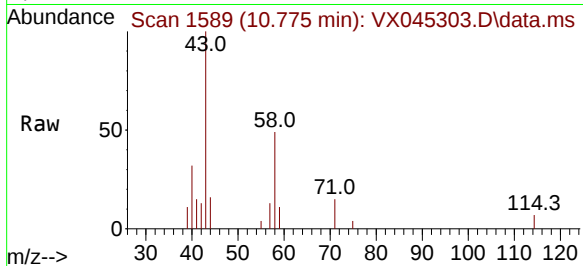




#74
N-amy1 acetate
Concen: 1.157 ug/l
RT: 10.775 min Scan# 1639
Delta R.T. -0.067 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

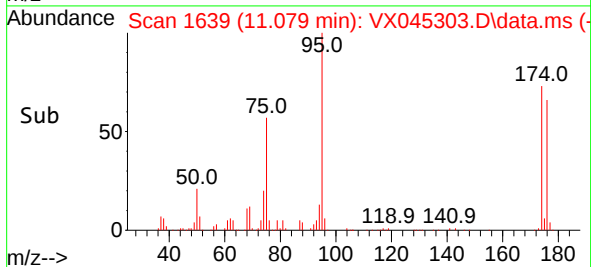
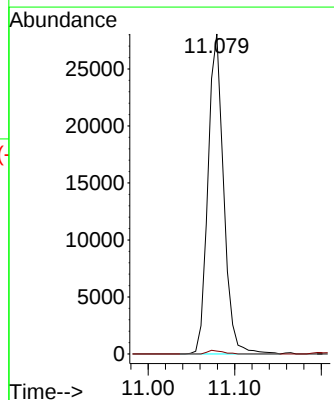
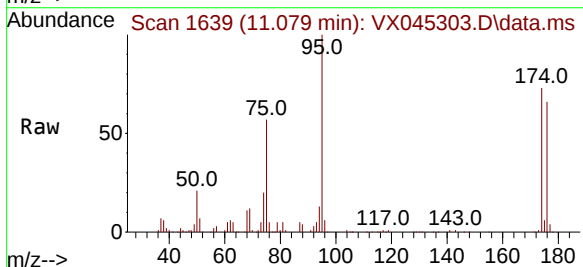
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

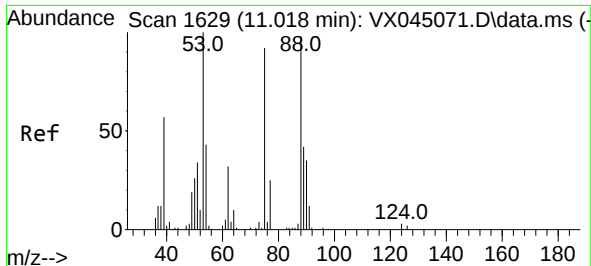
Tgt Ion:	43	Resp:	2425
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.8	47.6#
55	3.8	18.3	27.5#
61	0.0	18.3	27.5#



#76
1,2,3-Trichloropropane
Concen: 26.510 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion:	75	Resp:	35311
Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.7	62.1#

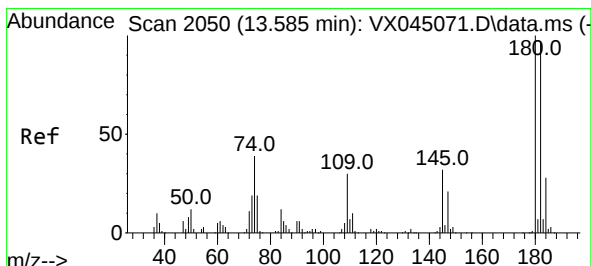
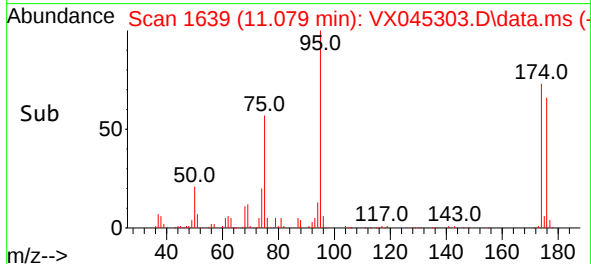
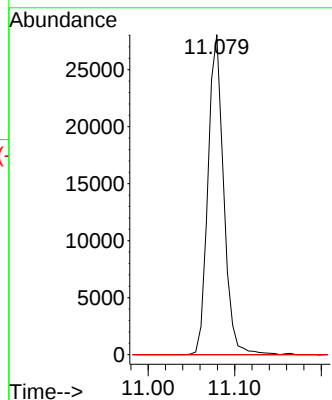
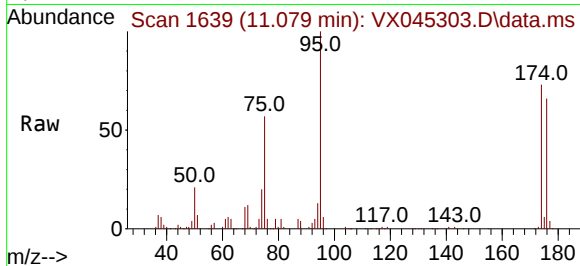




#81
trans-1,4-Dichloro-2-butene
Concen: 90.722 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

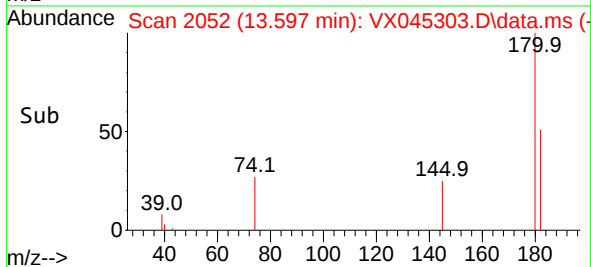
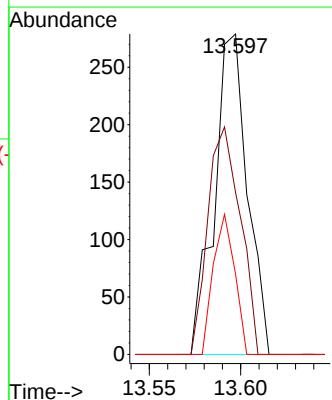
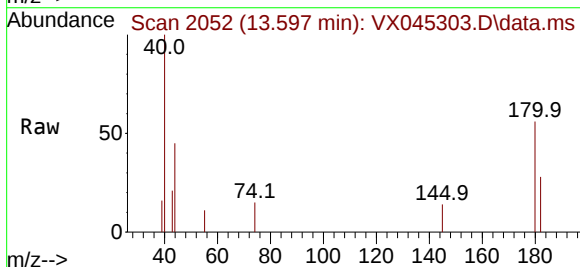
Instrument :
MSVOA_X
ClientSampleId :
PB167134TB

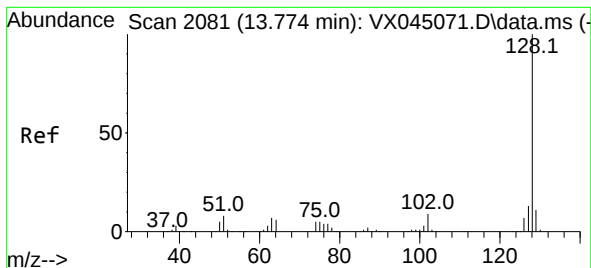
Tgt Ion: 75 Resp: 35311
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.327 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX045303.D
Acq: 17 Mar 2025 14:16

Tgt Ion:180 Resp: 351
Ion Ratio Lower Upper
180 100
182 69.8 47.3 141.9
145 28.2 16.3 48.9





#95

Naphthalene

Concen: 0.370 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX045303.D

Acq: 17 Mar 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

PB167134TB

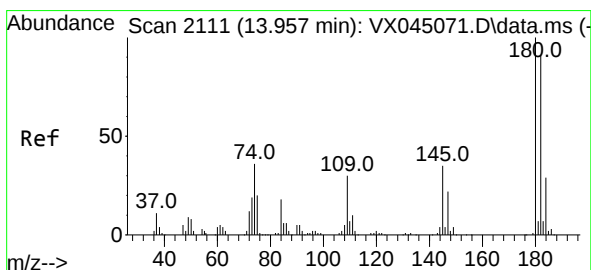
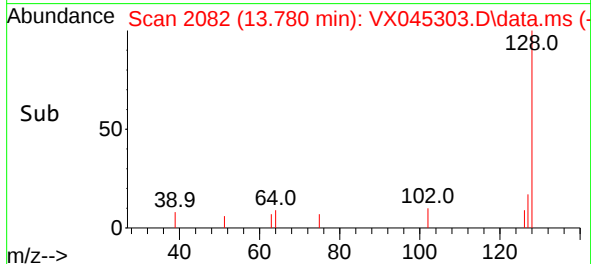
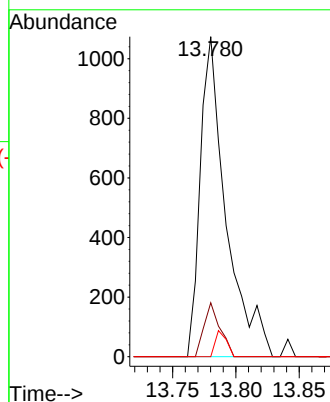
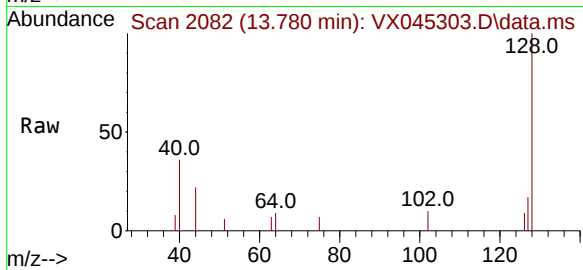
Tgt Ion:128 Resp: 1526

Ion Ratio Lower Upper

128 100

127 10.6 10.3 15.5

129 3.5 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.275 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045303.D

Acq: 17 Mar 2025 14:16

Tgt Ion:180 Resp: 312

Ion Ratio Lower Upper

180 100

182 83.0 47.5 142.6

145 13.5 17.0 50.9#

