

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048213.D
 Acq On : 17 Oct 2025 15:32
 Operator : JC/MD
 Sample : PB170117TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170117TB

Quant Time: Oct 18 00:19:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

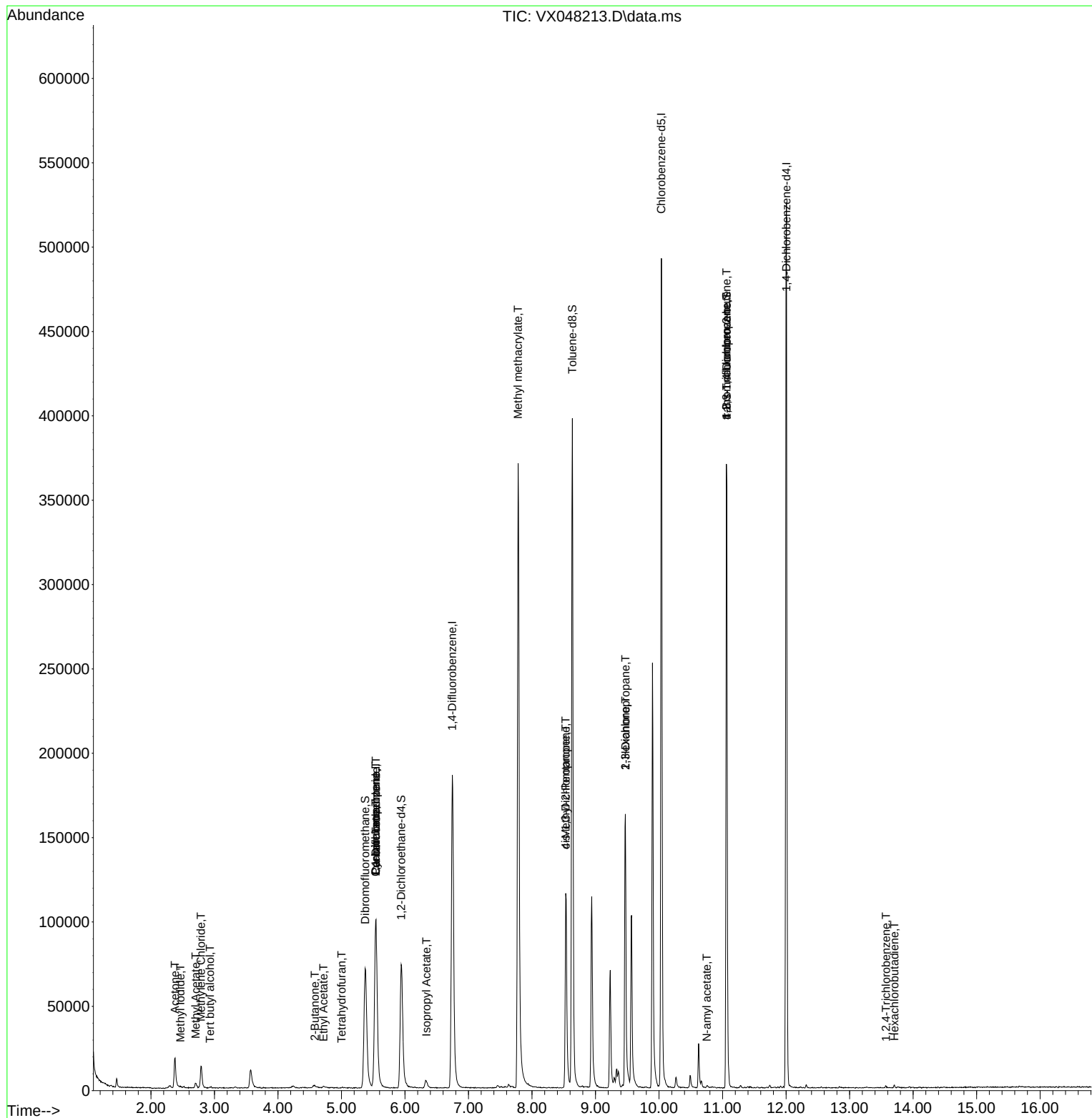
Internal Standards						
1) Pentafluorobenzene	5.544	168	102171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	205732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	221971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	82590	52.179	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.360%			
35) Dibromofluoromethane	5.373	113	69725	48.833	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.660%			
50) Toluene-d8	8.635	98	245003	47.630	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.260%			
62) 4-Bromofluorobenzene	11.061	95	107538	57.399	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.800%			
Target Compounds					Qvalue	
10) Methyl Iodide	2.465	142	381	0.263	ug/l #	80
11) Tert butyl alcohol	2.928	59	102	0.971	ug/l #	72
16) Acetone	2.380	43	22691	42.024	ug/l	95
18) Methyl Acetate	2.703	43	4387	3.989	ug/l	97
20) Methylene Chloride	2.788	84	6570	4.995	ug/l	89
25) 2-Butanone	4.580	43	3428	5.449	ug/l #	73
29) Tetrahydrofuran	5.001	42	91	0.246	ug/l #	33
31) Cyclohexane	5.538	56	2056	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	8039	3.997	ug/l #	50
37) Ethyl Acetate	4.715	43	980	0.610	ug/l #	88
38) Carbon Tetrachloride	5.544	117	10583	4.584	ug/l #	15
43) Isopropyl Acetate	6.336	43	6960	2.579	ug/l #	88
48) Methyl methacrylate	7.781	41	37720	27.307	ug/l #	45
51) 4-Methyl-2-Pentanone	8.531	43	46103	30.704	ug/l #	52
54) cis-1,3-Dichloropropene	8.531	75	21278	8.865	ug/l #	59
57) 1,3-Dichloropropane	9.470	76	1641	0.701	ug/l #	43
59) 2-Hexanone	9.470	43	21482	20.453	ug/l #	55
74) N-amyl acetate	10.750	43	1227	0.414	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	54991	31.507	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	54991	77.150	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.573	180	433	0.209	ug/l	93
94) Hexachlorobutadiene	13.707	225	327	0.409	ug/l #	77

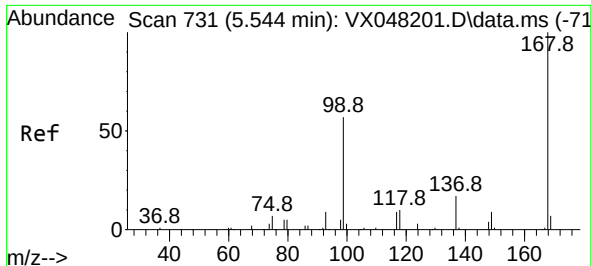
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

Quant Time: Oct 18 00:19:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

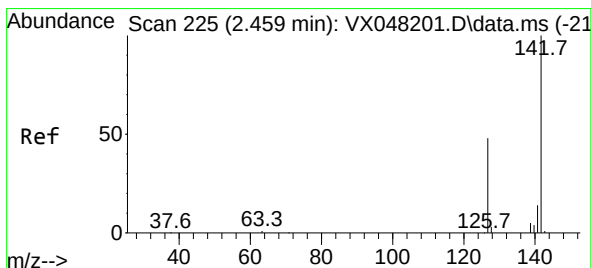
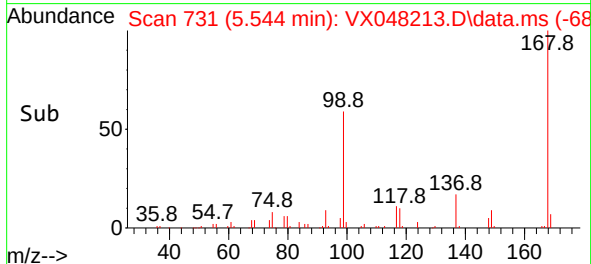
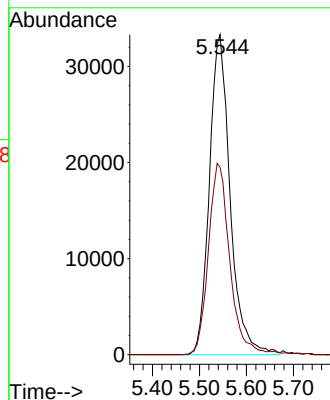
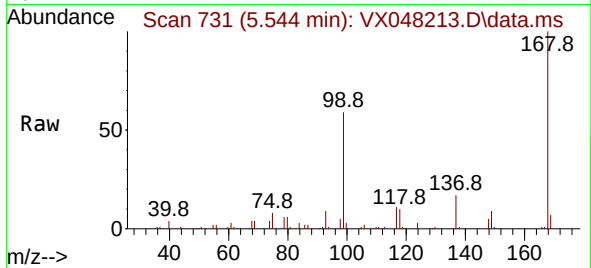




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

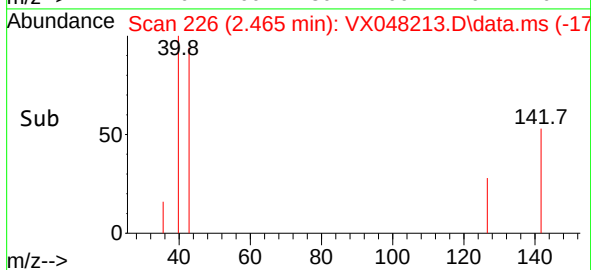
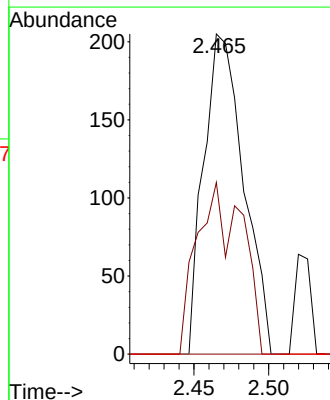
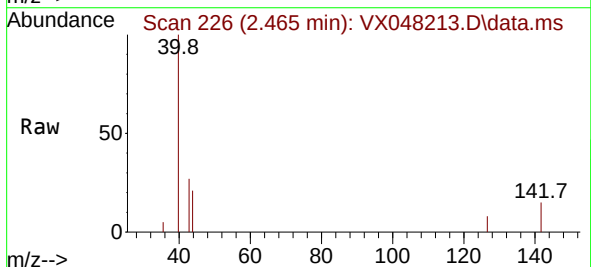
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

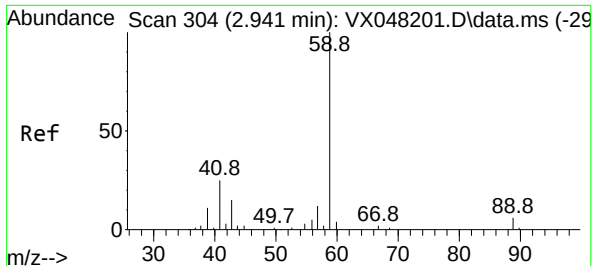
Tgt Ion:168 Resp: 102171
Ion Ratio Lower Upper
168 100
99 58.5 46.4 69.6



#10
Methyl Iodide
Concen: 0.263 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion:142 Resp: 381
Ion Ratio Lower Upper
142 100
127 37.8 38.5 57.7#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 0.971 ug/l

RT: 2.928 min Scan# 304

Delta R.T. -0.012 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

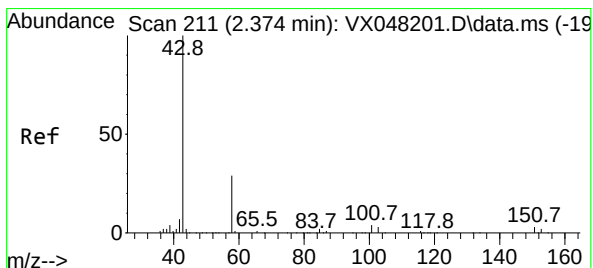
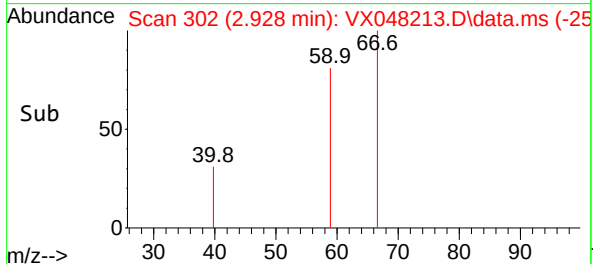
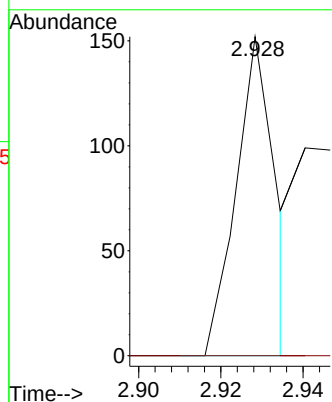
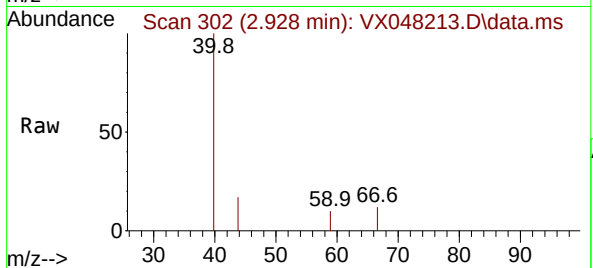
PB170117TB

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 42.024 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX048213.D

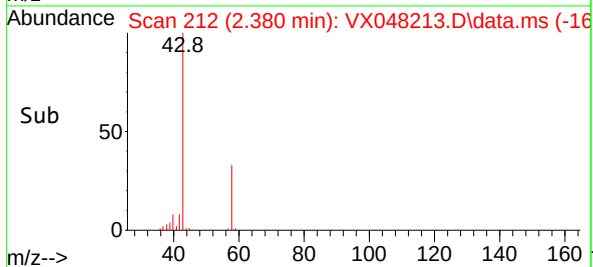
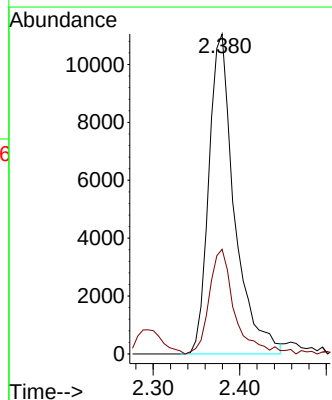
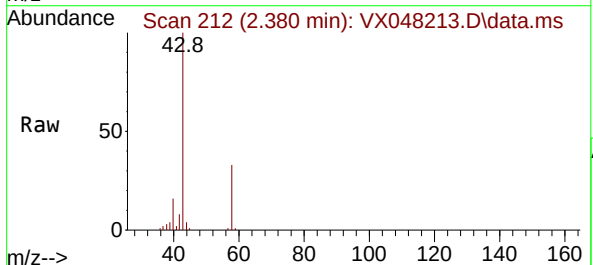
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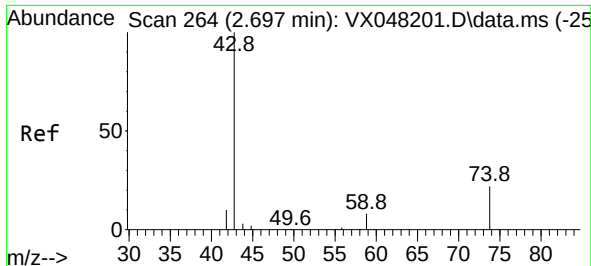
Tgt Ion: 43 Resp: 22691

Ion Ratio Lower Upper

43 100

58 31.7 23.4 35.2

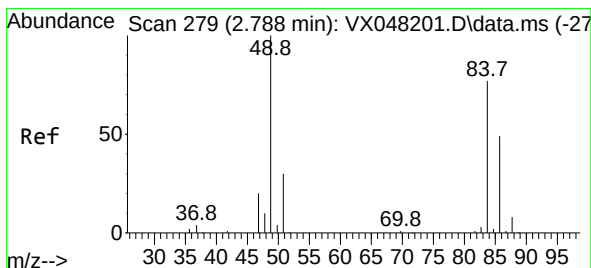
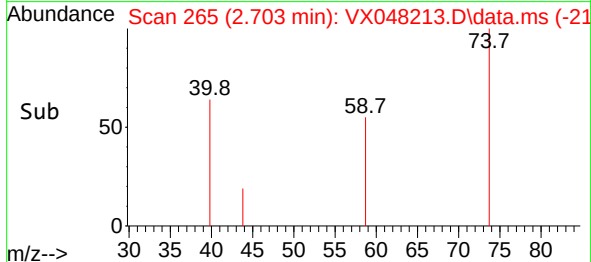
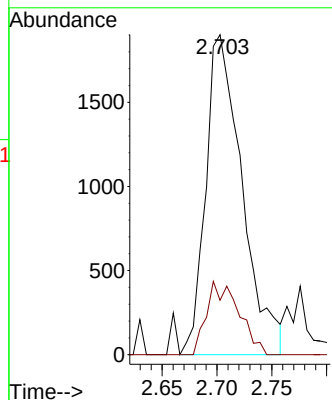
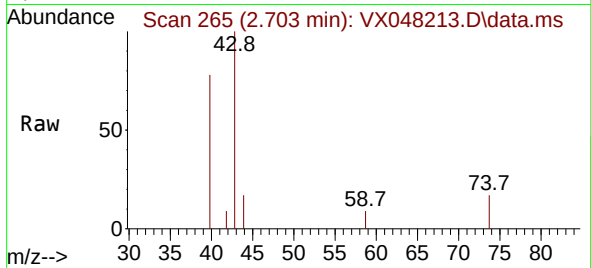




#18
Methyl Acetate
Concen: 3.989 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

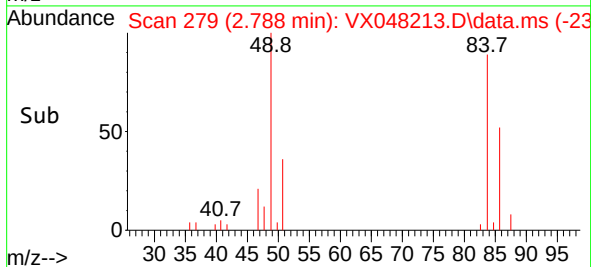
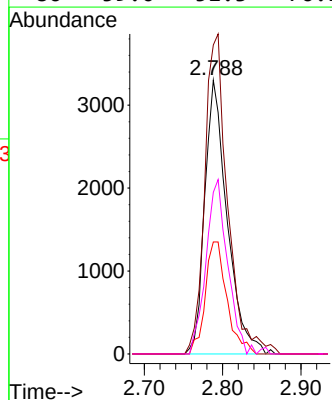
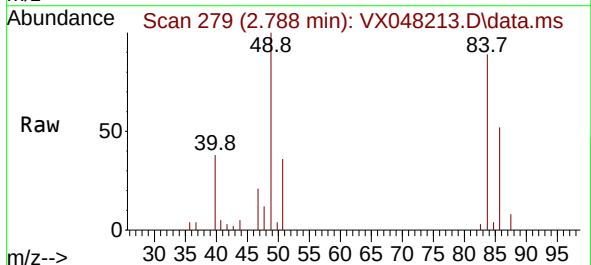
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

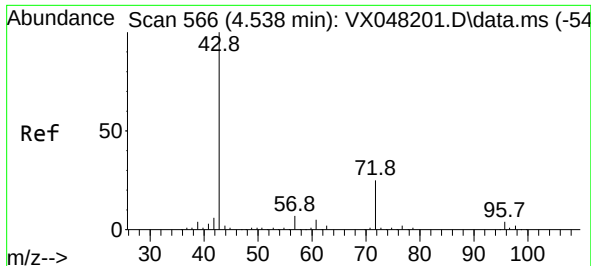
Tgt Ion: 43 Resp: 4387
Ion Ratio Lower Upper
43 100
74 20.3 17.5 26.3



#20
Methylene Chloride
Concen: 4.995 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 84 Resp: 6570
Ion Ratio Lower Upper
84 100
49 112.8 104.1 156.1
51 40.9 31.3 46.9
86 59.0 51.3 76.9





#25

2-Butanone

Concen: 5.449 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

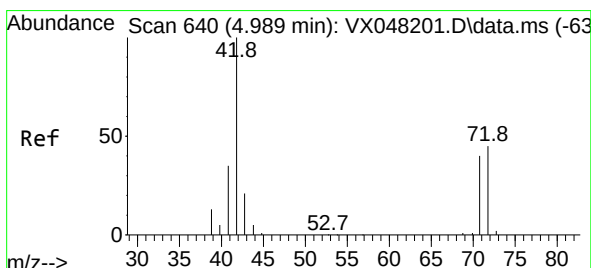
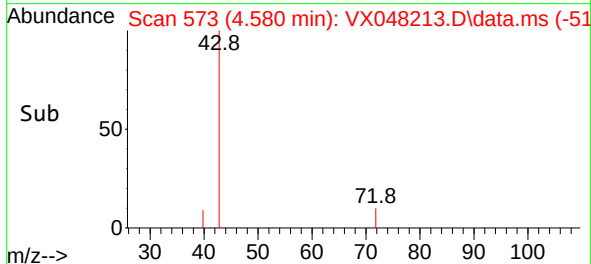
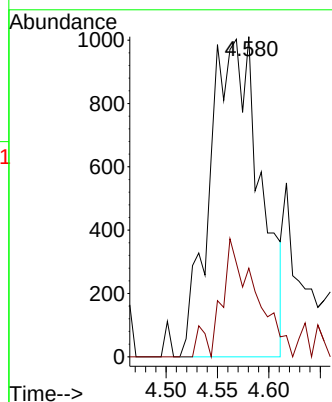
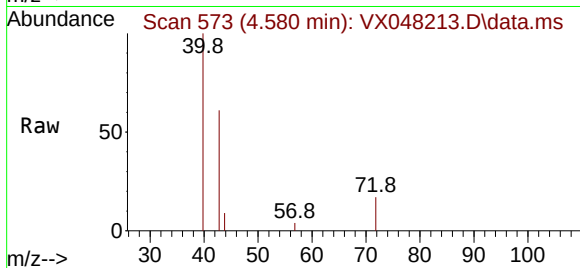
PB170117TB

Tgt Ion: 43 Resp: 3428

Ion Ratio Lower Upper

43 100

72 38.3 19.9 29.9#



#29

Tetrahydrofuran

Concen: 0.246 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.012 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

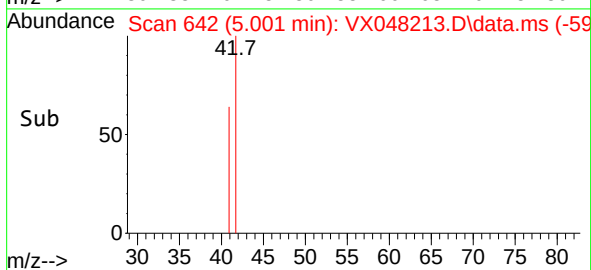
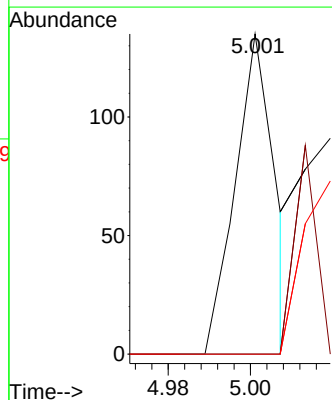
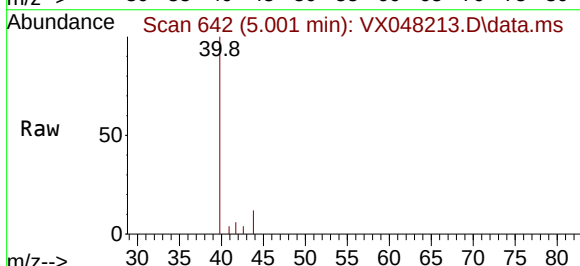
Tgt Ion: 42 Resp: 91

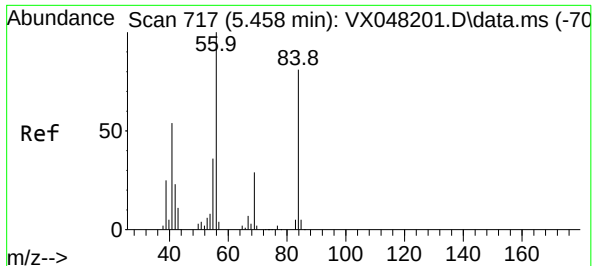
Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 0.0 32.2 48.4#

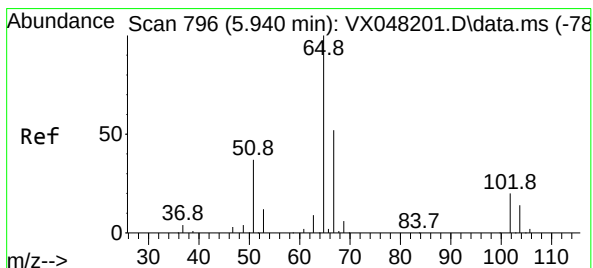
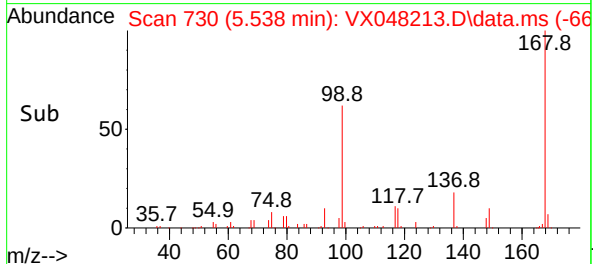
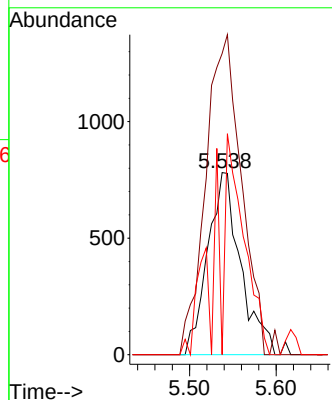
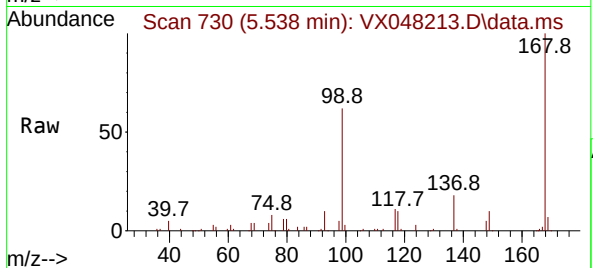




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

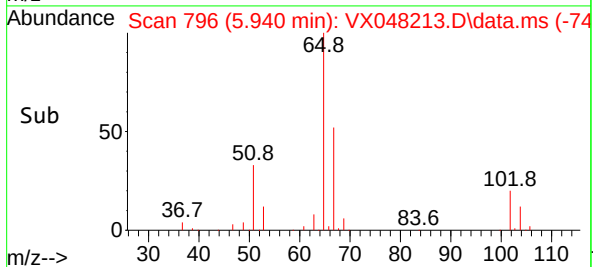
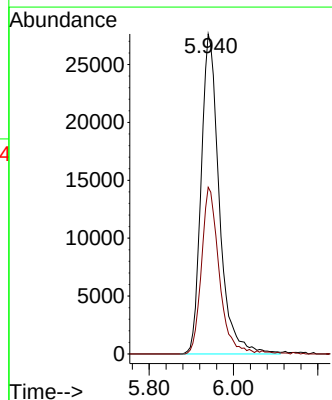
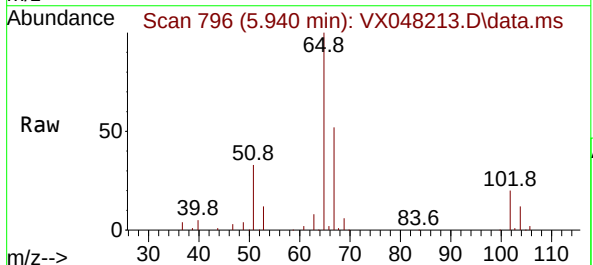
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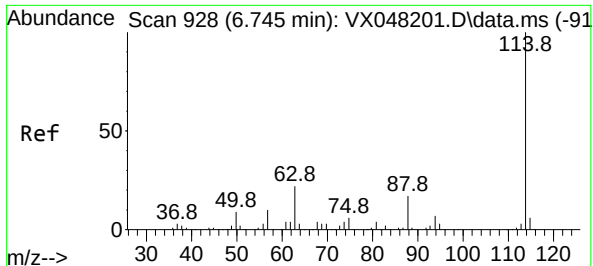
Tgt Ion: 56 Resp: 2056
Ion Ratio Lower Upper
56 100
69 165.4 23.0 34.6#
84 0.0 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 52.179 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 65 Resp: 82590
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.0

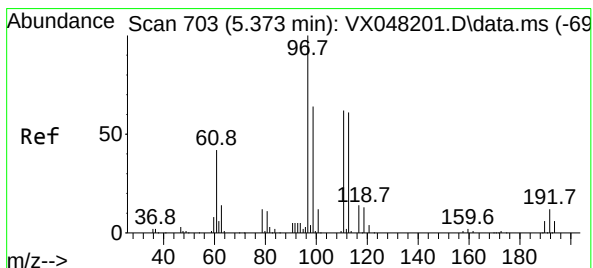
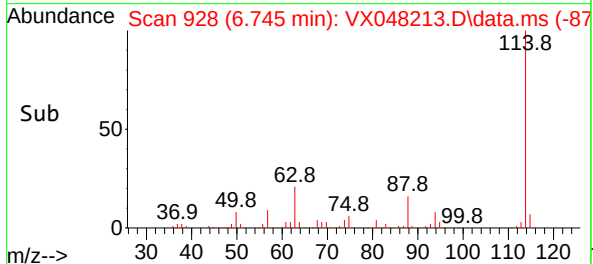
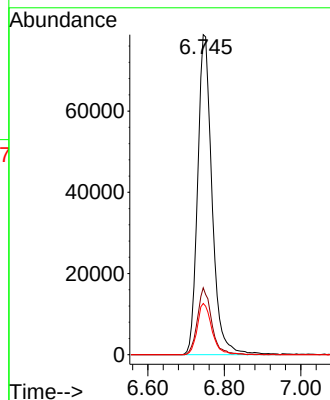
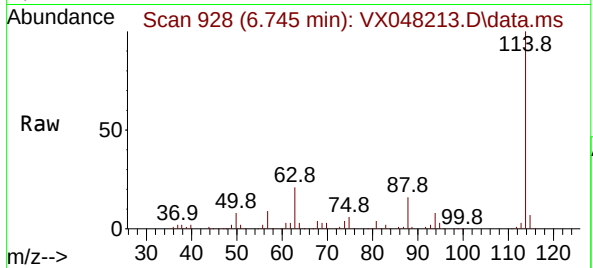




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

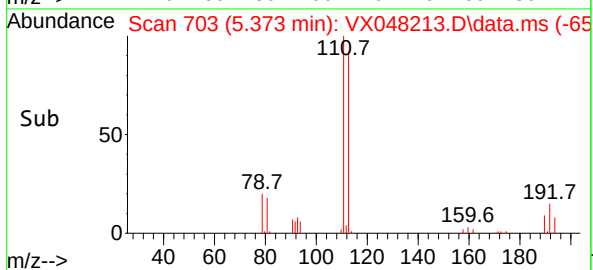
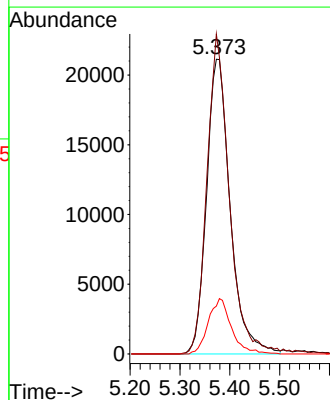
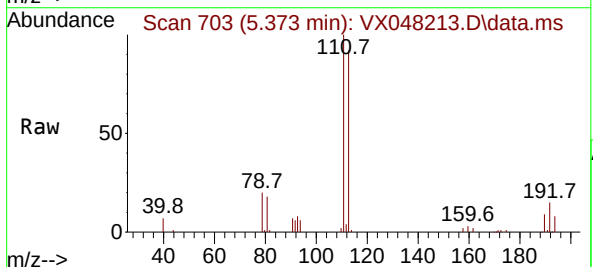
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ClientSampleId :
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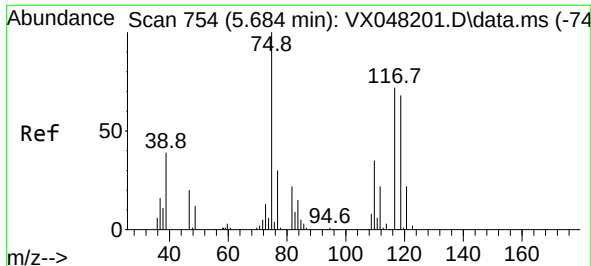
Tgt Ion:114 Resp: 205732
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.2
88 16.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 48.833 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion:113 Resp: 69725
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 18.4 15.1 22.7

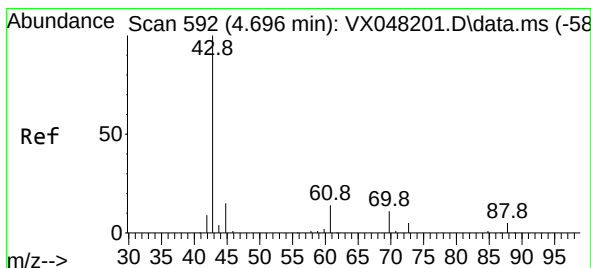
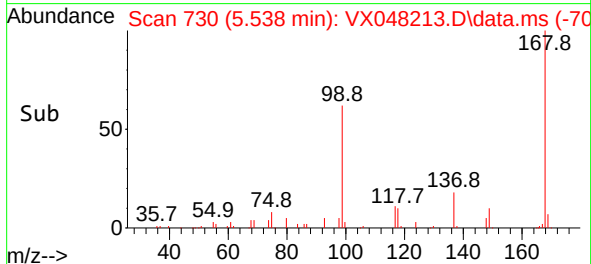
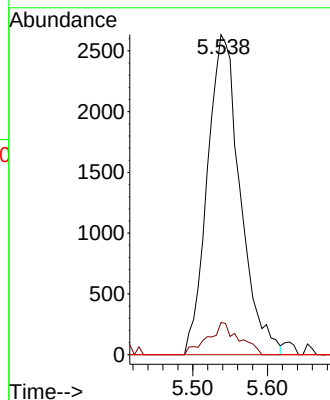
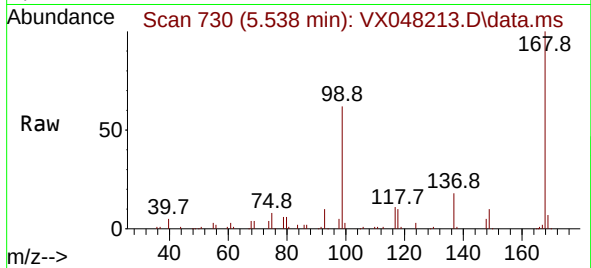




#36
1,1-Dichloropropene
Concen: 3.997 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

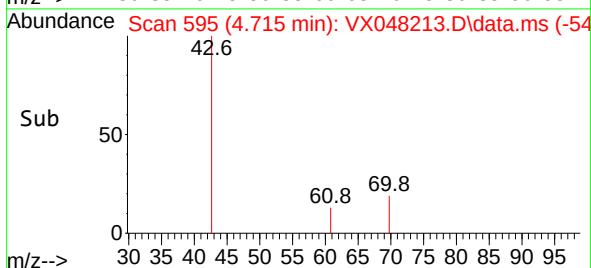
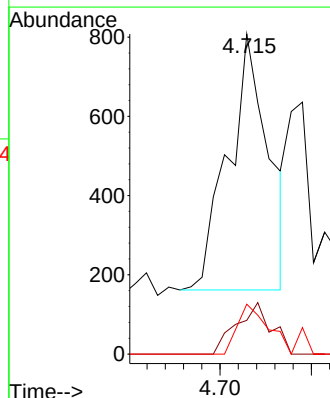
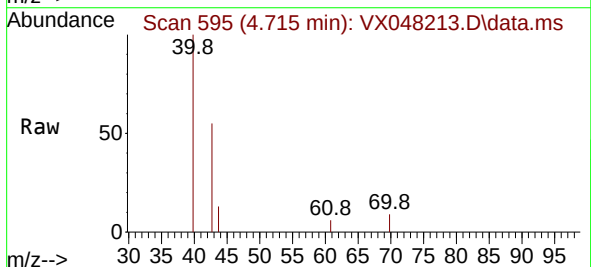
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

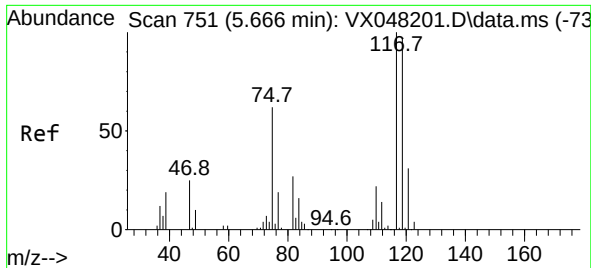
Tgt Ion: 75 Resp: 8039
Ion Ratio Lower Upper
75 100
110 9.5 17.7 53.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.610 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.018 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
61 17.4 10.6 15.8#
70 15.1 7.8 11.6#

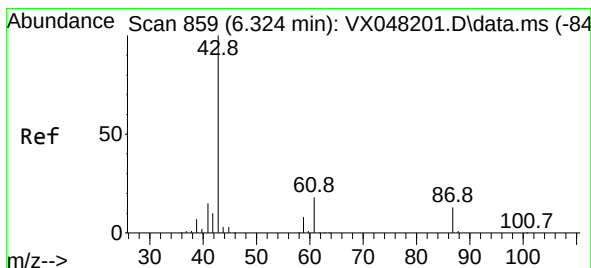
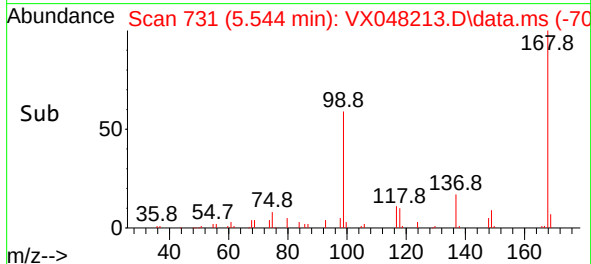
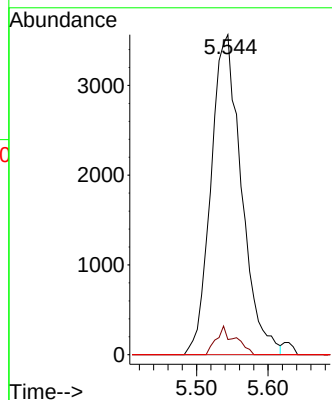
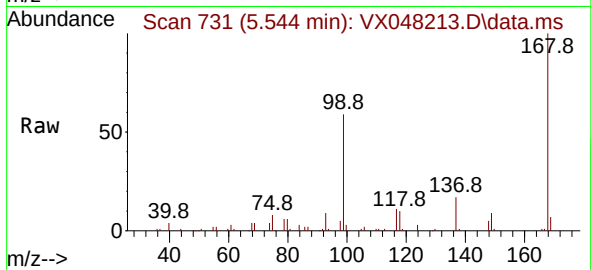




#38
Carbon Tetrachloride
Concen: 4.584 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

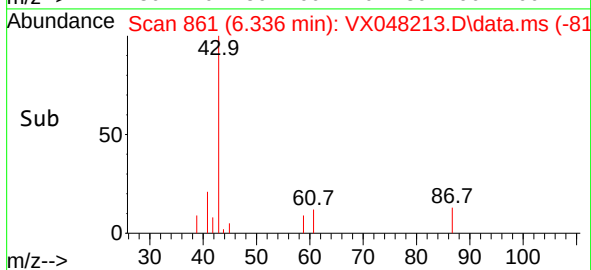
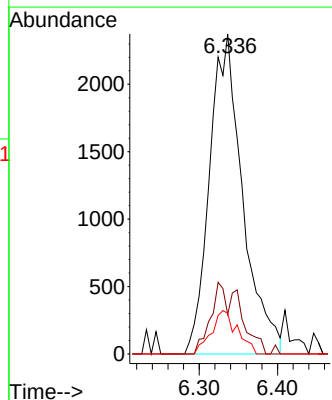
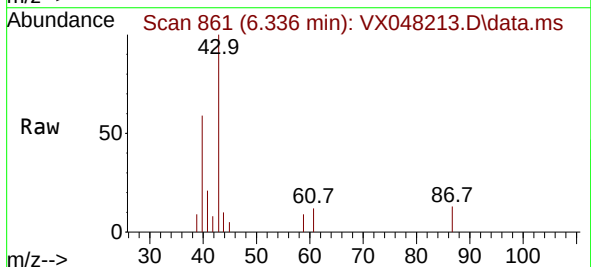
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

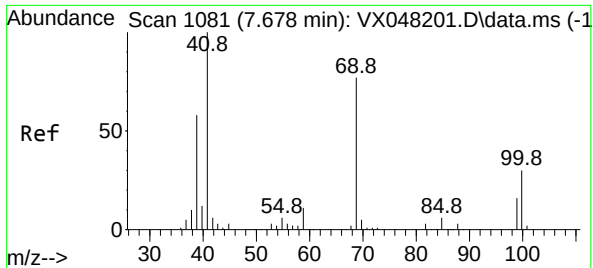
Tgt Ion:117 Resp: 10583
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 2.579 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 43 Resp: 6960
Ion Ratio Lower Upper
43 100
61 10.9 14.9 22.3#
87 10.6 9.4 14.2

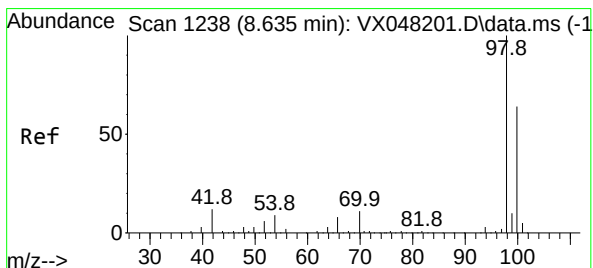
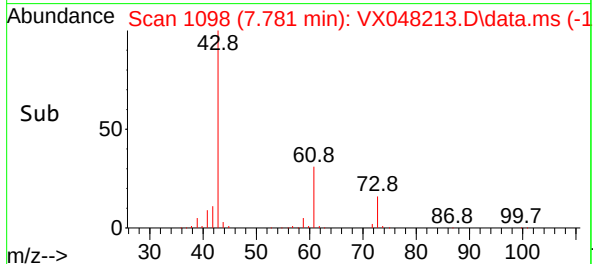
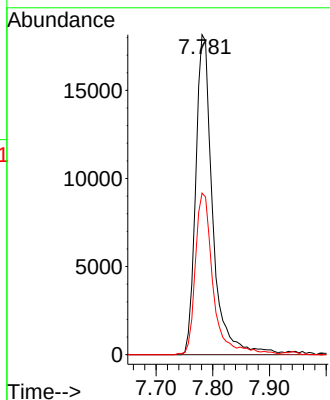
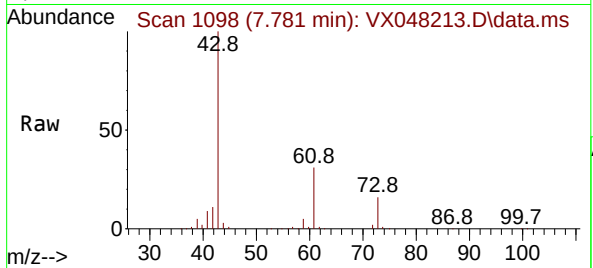




#48
Methyl methacrylate
Concen: 27.307 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

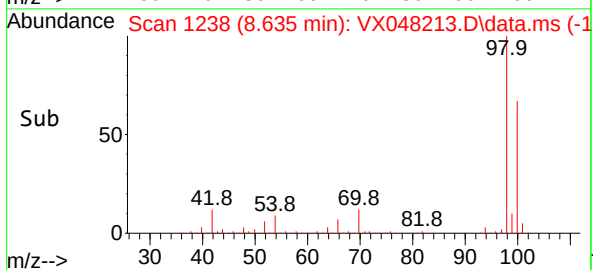
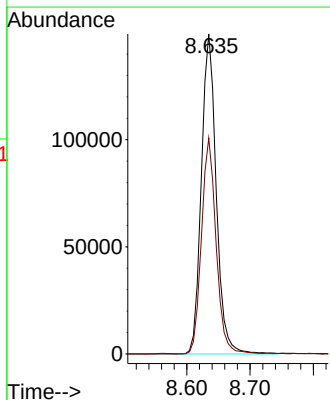
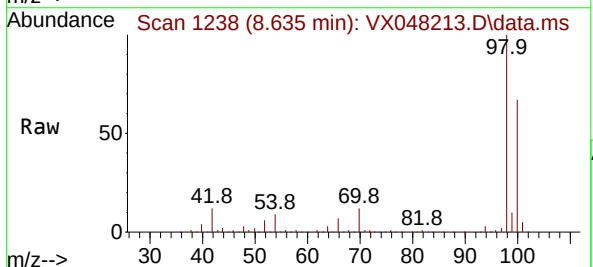
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

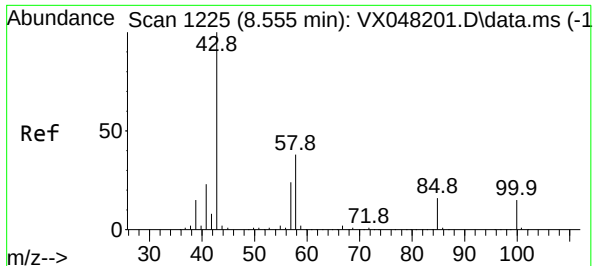
Tgt Ion: 41 Resp: 37720
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 53.2 47.1 70.7



#50
Toluene-d8
Concen: 47.630 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 98 Resp: 245003
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

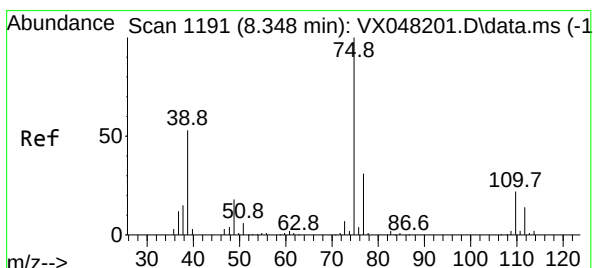
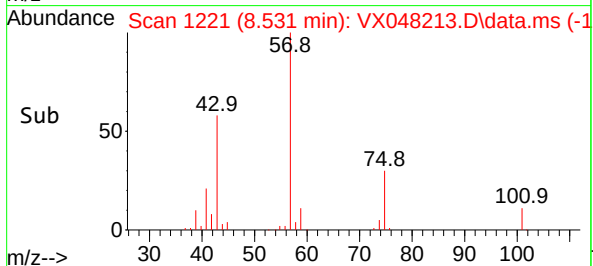
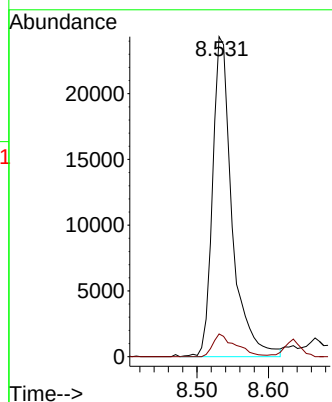
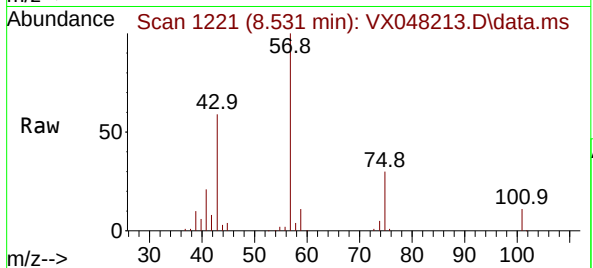




#51
4-Methyl-2-Pentanone
Concen: 30.704 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

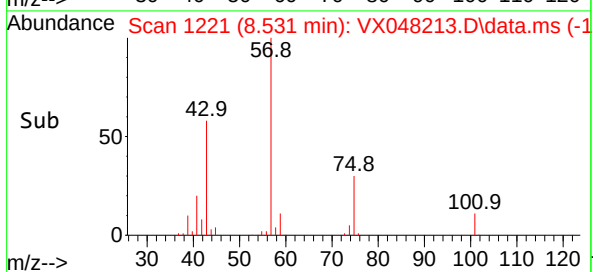
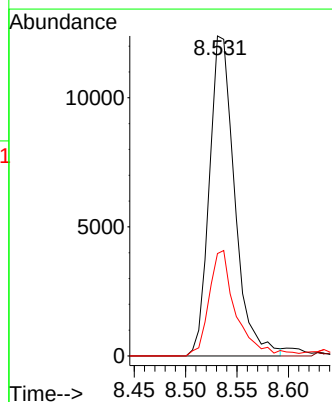
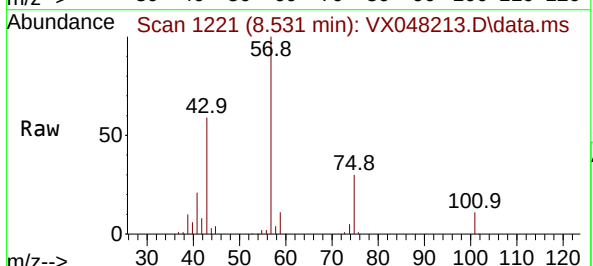
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

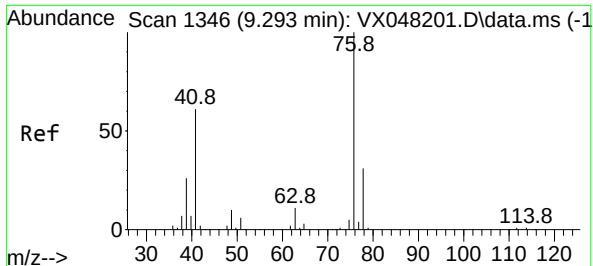
Tgt Ion: 43 Resp: 46103
Ion Ratio Lower Upper
43 100
58 8.4 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 8.865 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.183 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 75 Resp: 21278
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 30.3 42.6 64.0#





#57

1,3-Dichloropropane

Concen: 0.701 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.177 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

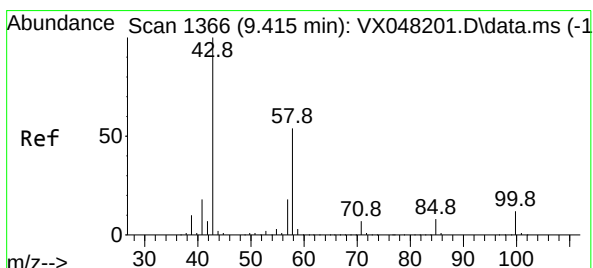
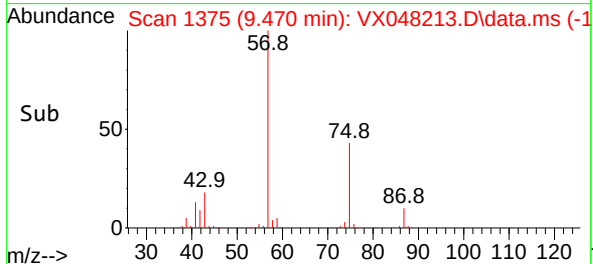
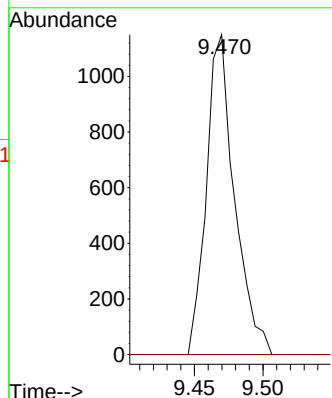
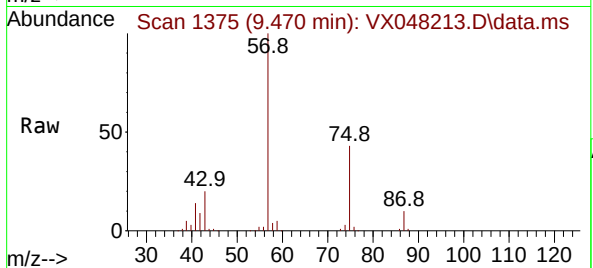
PB170117TB

Tgt Ion: 76 Resp: 1641

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#



#59

2-Hexanone

Concen: 20.453 ug/l

RT: 9.470 min Scan# 1375

Delta R.T. 0.055 min

Lab File: VX048213.D

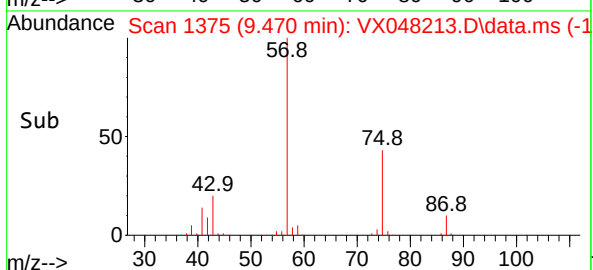
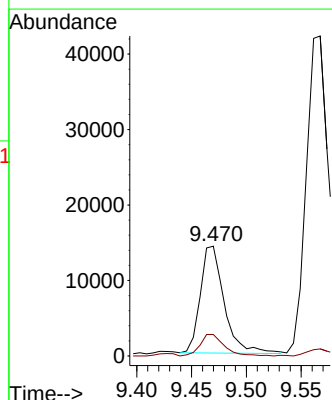
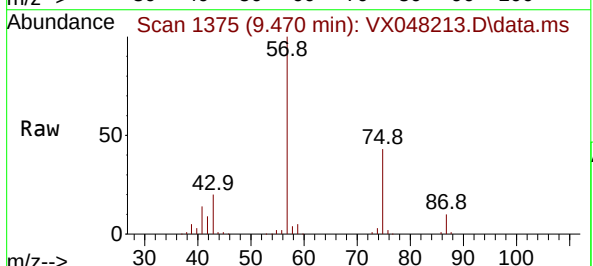
Acq: 17 Oct 2025 15:32

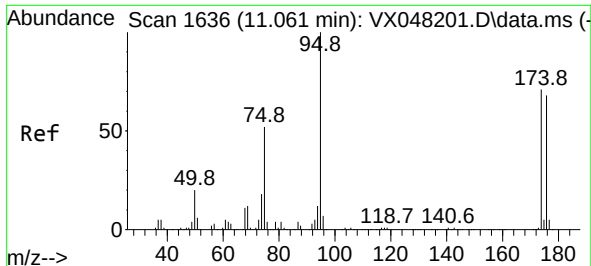
Tgt Ion: 43 Resp: 21482

Ion Ratio Lower Upper

43 100

58 20.4 26.3 78.8#

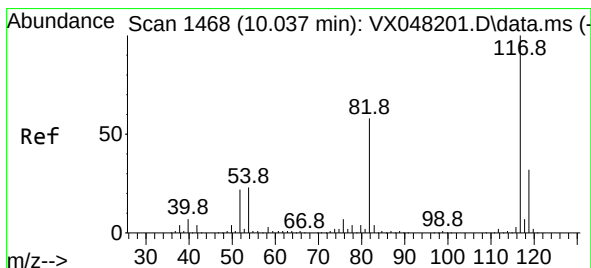
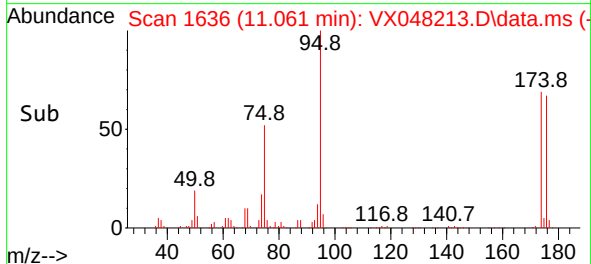
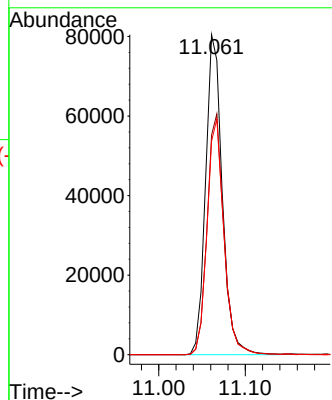
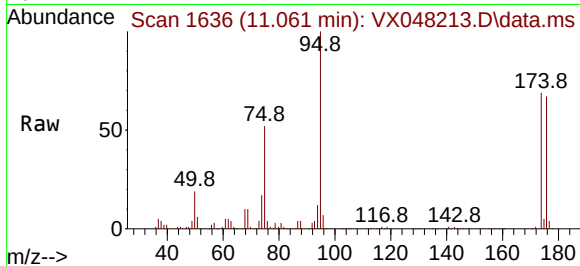




#62
4-Bromofluorobenzene
Concen: 57.399 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

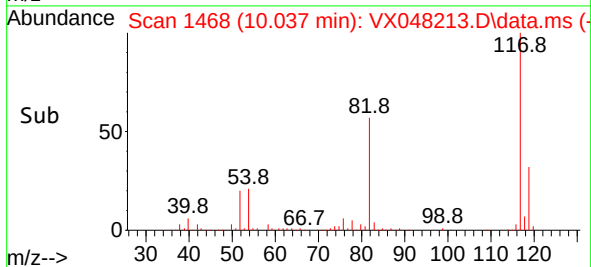
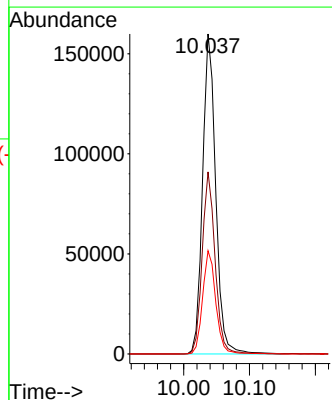
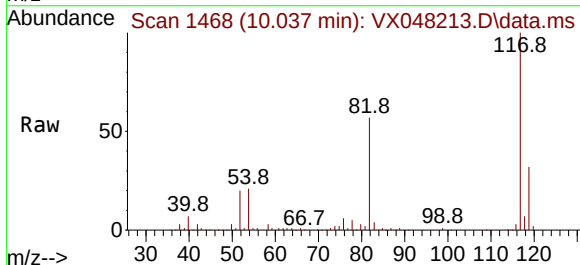
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

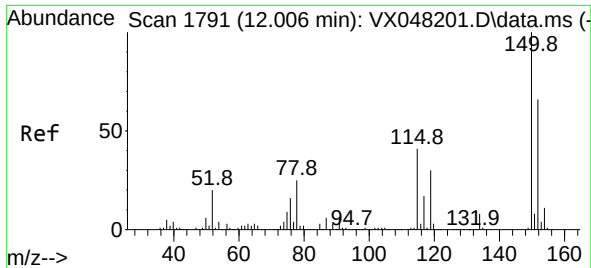
Tgt Ion: 95 Resp: 107538
Ion Ratio Lower Upper
95 100
174 75.5 0.0 147.8
176 74.5 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 117 Resp: 221971
Ion Ratio Lower Upper
117 100
82 56.9 46.5 69.7
119 32.3 25.9 38.9

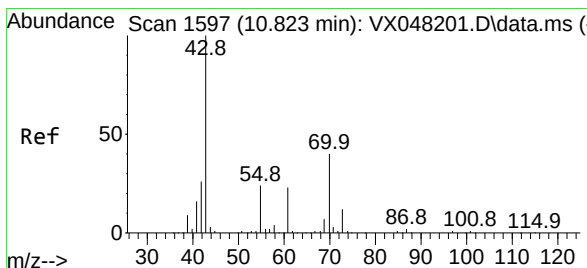
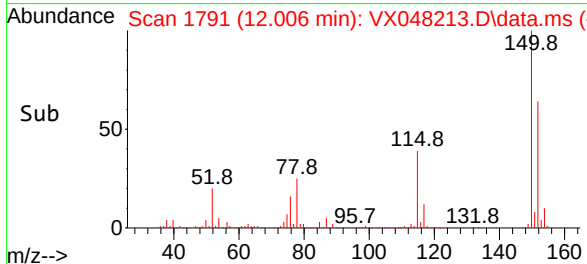
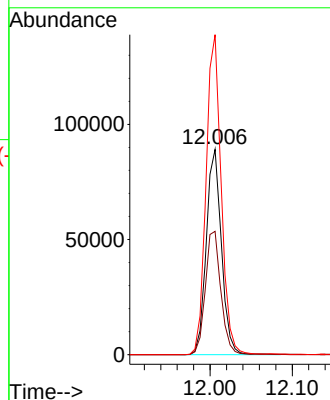
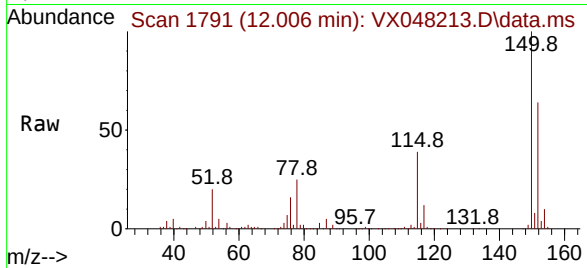




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

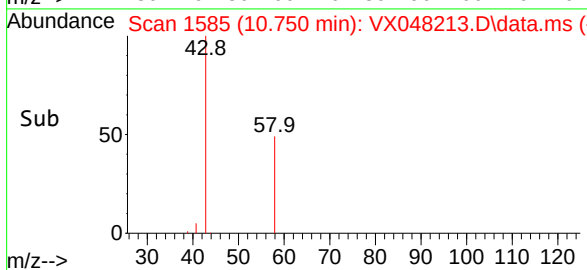
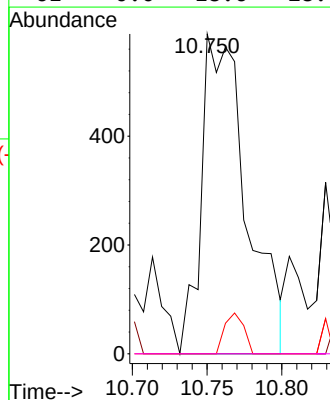
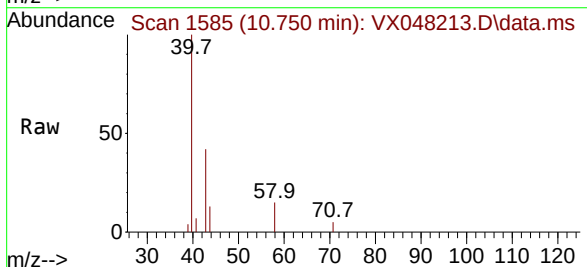
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

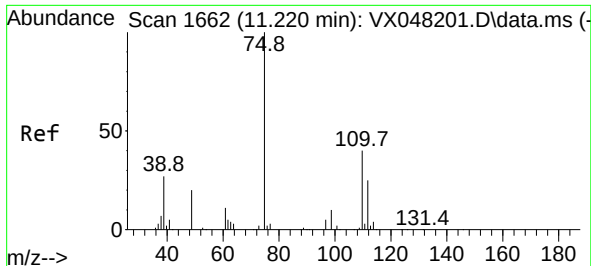
Tgt Ion:152 Resp: 114296
Ion Ratio Lower Upper
152 100
115 61.7 43.1 129.4
150 156.0 0.0 353.0



#74
N-ethyl acetate
Concen: 0.414 ug/l
RT: 10.750 min Scan# 1585
Delta R.T. -0.073 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 43 Resp: 1227
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 5.5 19.1 28.7#
61 0.0 18.6 28.0#

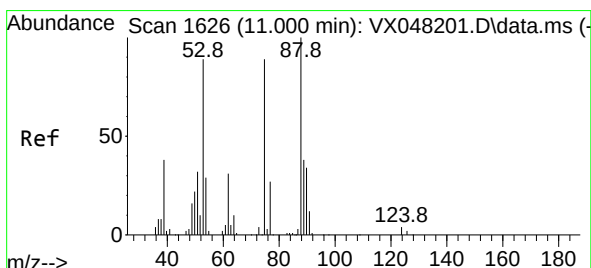
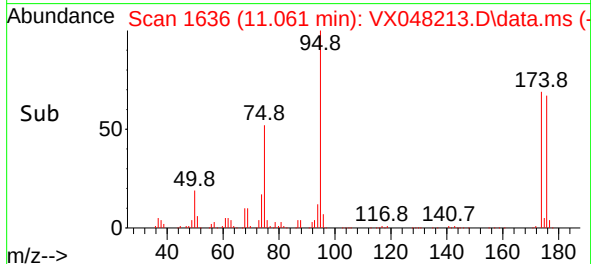
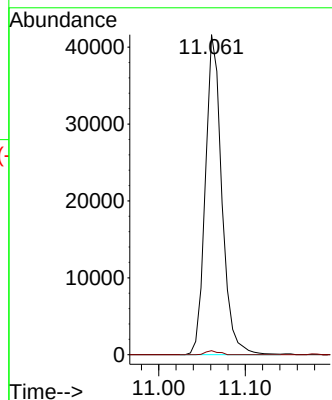
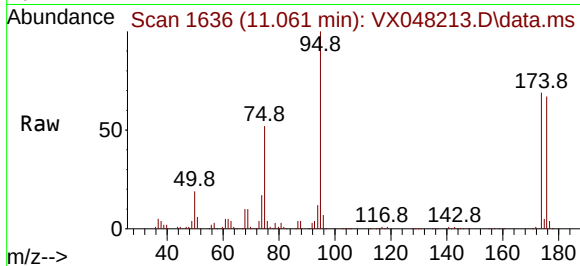




#76
1,2,3-Trichloropropane
Concen: 31.507 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

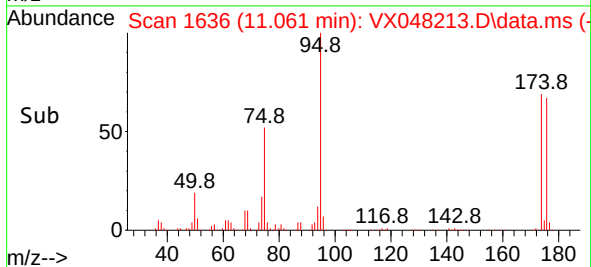
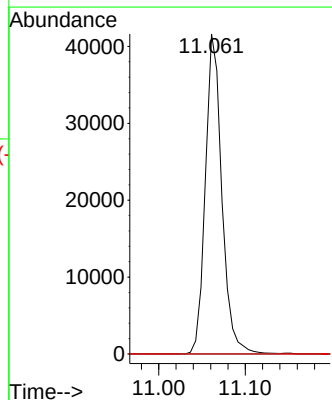
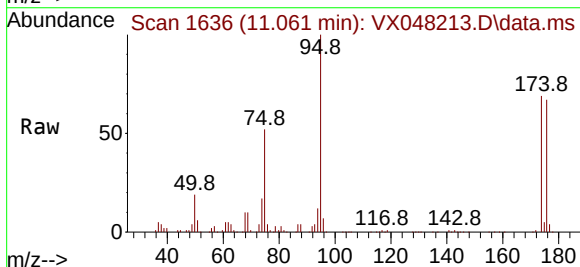
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

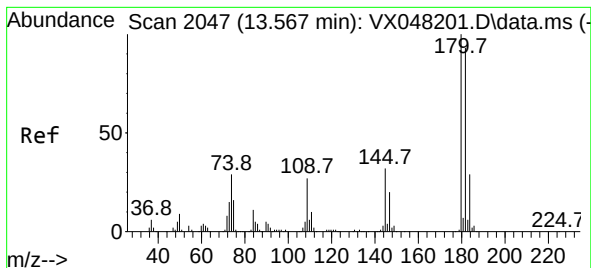
Tgt Ion: 75 Resp: 54991
Ion Ratio Lower Upper
75 100
77 1.0 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.150 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 75 Resp: 54991
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.209 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

PB170117TB

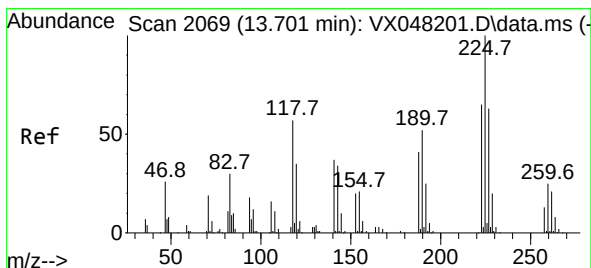
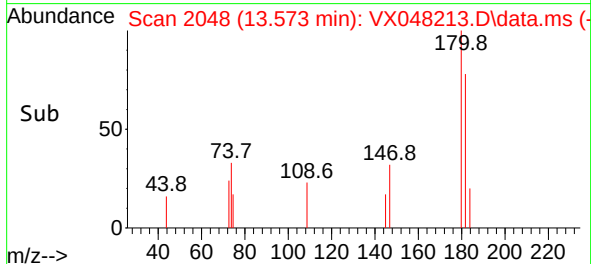
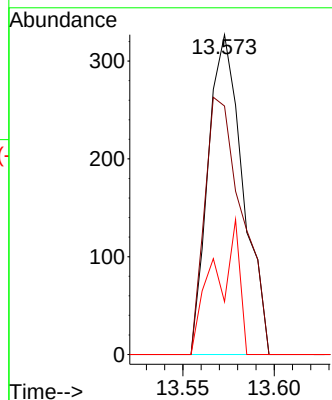
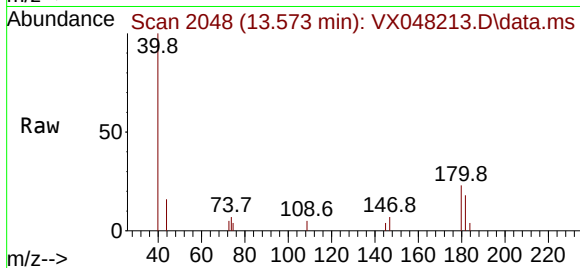
Tgt Ion:180 Resp: 433

Ion Ratio Lower Upper

180 100

182 86.8 47.3 142.0

145 30.0 16.3 48.9



#94

Hexachlorobutadiene

Concen: 0.409 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.006 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

Tgt Ion:225 Resp: 327

Ion Ratio Lower Upper

225 100

223 32.1 32.6 97.7#

227 67.9 32.5 97.4

