

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047082.D
 Acq On : 23 Jul 2025 12:02
 Operator : JC/MD
 Sample : PB168956TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168956TB

Quant Time: Jul 24 05:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

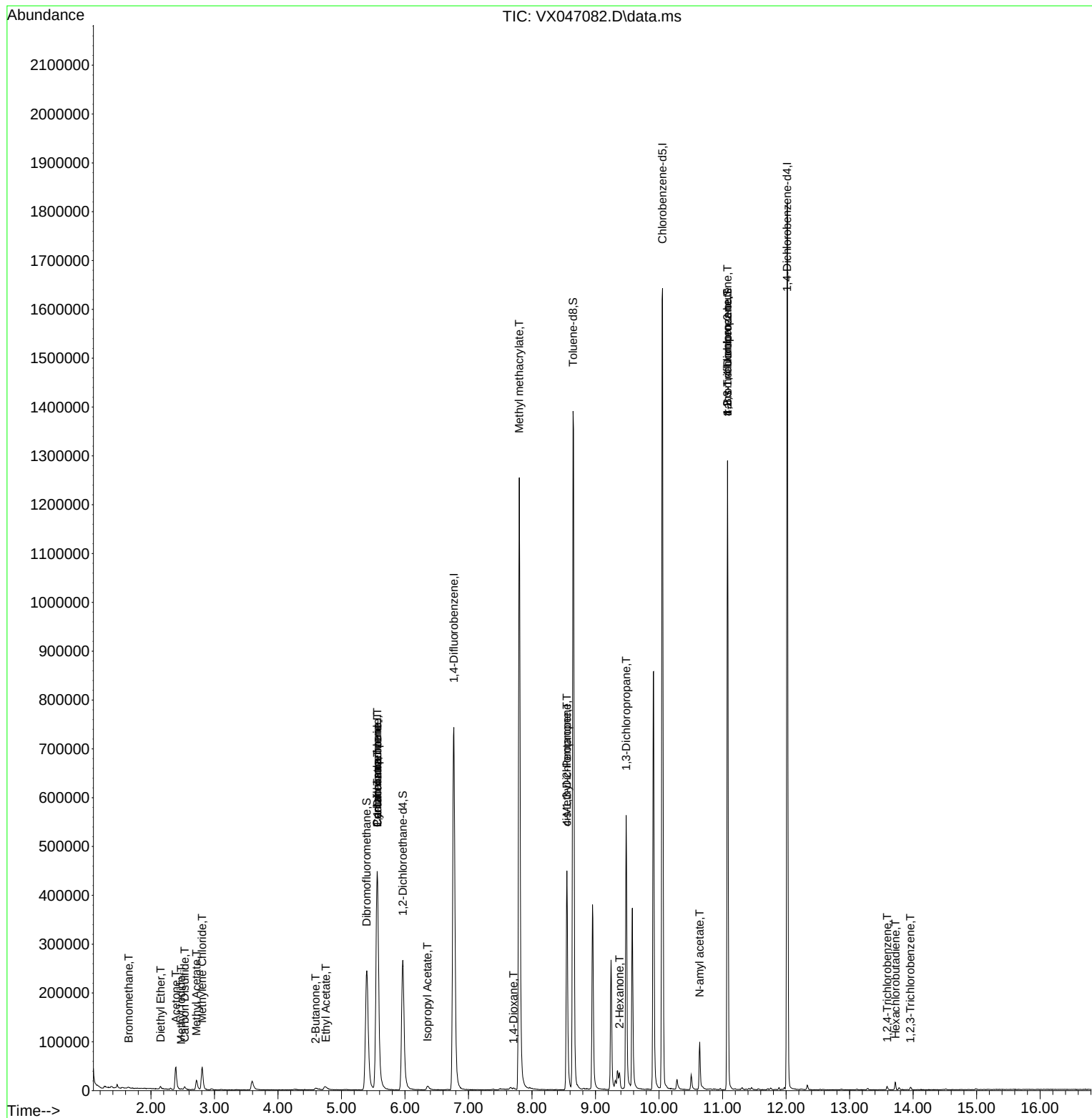
Internal Standards						
1) Pentafluorobenzene	5.562	168	446334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	792254	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	734790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	351988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	282586	50.826	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.660%			
35) Dibromofluoromethane	5.397	113	235360	48.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.220%			
50) Toluene-d8	8.647	98	835746	52.757	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.520%			
62) 4-Bromofluorobenzene	11.079	95	340357	49.856	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.720%			
Target Compounds					Qvalue	
5) Bromomethane	1.648	94	1469	0.429	ug/l	93
8) Diethyl Ether	2.154	74	1697	0.512	ug/l	98
10) Methyl Iodide	2.477	142	1747	0.303	ug/l #	97
11) Tert butyl alcohol	2.953	59	427	Below Cal	#	86
16) Acetone	2.392	43	58700	26.355	ug/l	98
17) Carbon Disulfide	2.532	76	6774	0.417	ug/l #	88
18) Methyl Acetate	2.715	43	27945	4.721	ug/l	100
20) Methylene Chloride	2.806	84	23088	3.768	ug/l	99
25) 2-Butanone	4.593	43	6830	2.106	ug/l #	84
31) Cyclohexane	5.562	56	9789	0.942	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	37785	4.532	ug/l #	51
37) Ethyl Acetate	4.751	43	12561	1.635	ug/l	98
38) Carbon Tetrachloride	5.562	117	48040	5.398	ug/l #	15
43) Isopropyl Acetate	6.355	43	13399	1.119	ug/l #	88
48) Methyl methacrylate	7.799	41	117169	17.956	ug/l #	46
49) 1,4-Dioxane	7.708	88	63	0.849	ug/l #	20
51) 4-Methyl-2-Pentanone	8.549	43	162771	22.862	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	72487	7.775	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	5304	0.548	ug/l #	43
59) 2-Hexanone	9.378	43	22812	4.850	ug/l #	25
74) N-amyl acetate	10.640	43	26769	2.389	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	177477	27.241	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	177477	70.183	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	1844	0.231	ug/l	99
94) Hexachlorobutadiene	13.725	225	1950	0.717	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	1676	0.218	ug/l	94

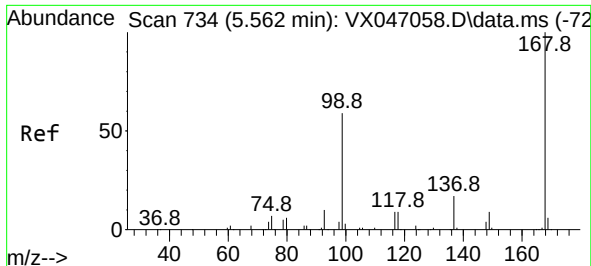
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
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Sample : PB168956TB
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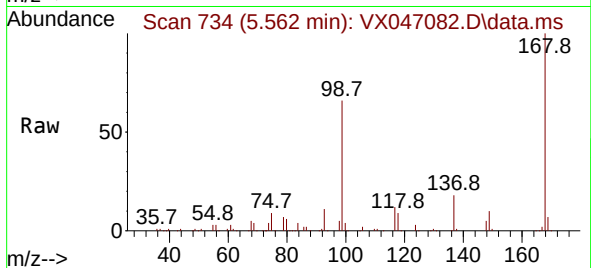
Quant Time: Jul 24 05:46:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
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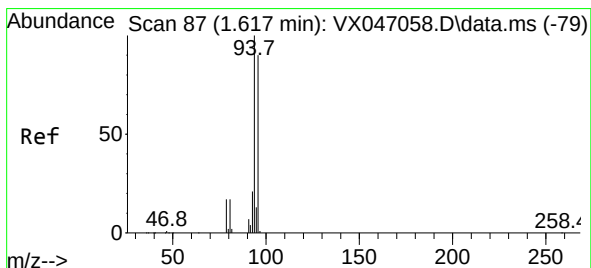
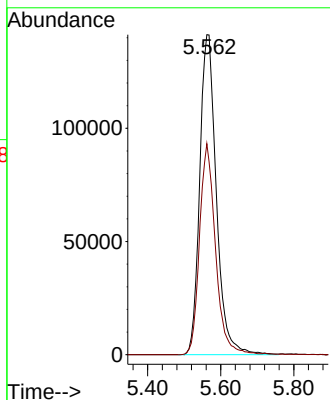
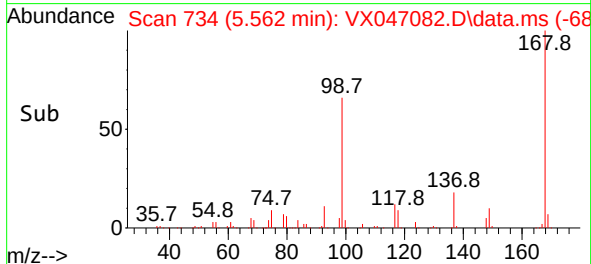


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

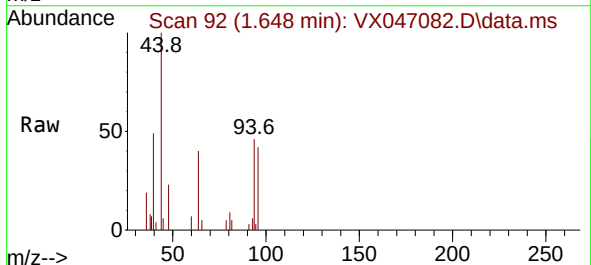
Instrument :
MSVOA_X
ClientSampleId :
PB168956TB



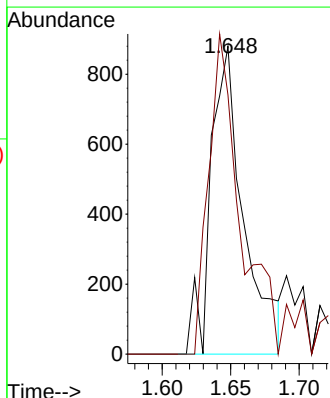
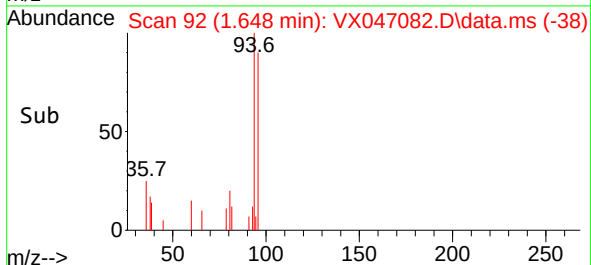
Tgt Ion:168 Resp: 446334
Ion Ratio Lower Upper
168 100
99 65.9 48.0 72.0

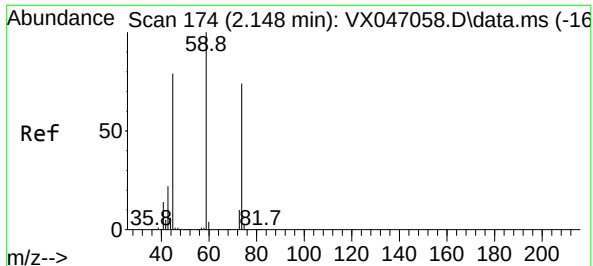


#5
Bromomethane
Concen: 0.429 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.031 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02



Tgt Ion: 94 Resp: 1469
Ion Ratio Lower Upper
94 100
96 84.2 72.3 108.5

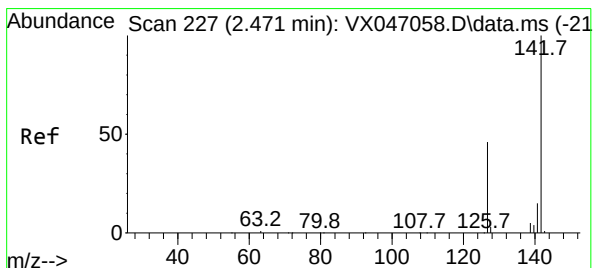
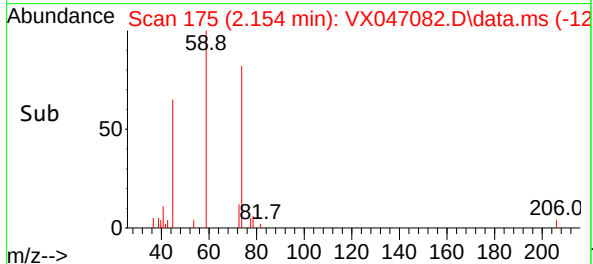
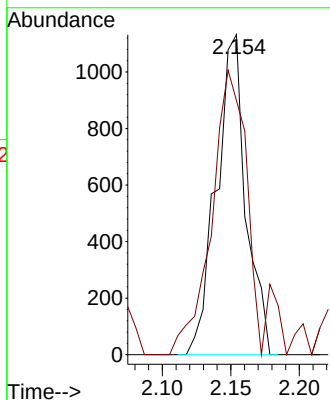
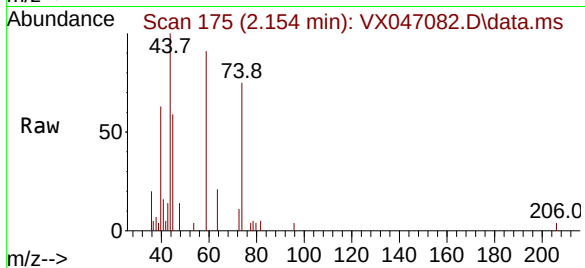




#8
Diethyl Ether
Concen: 0.512 ug/l
RT: 2.154 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

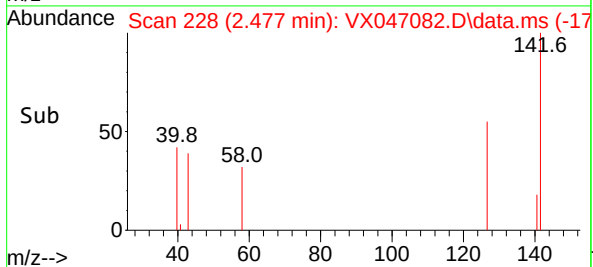
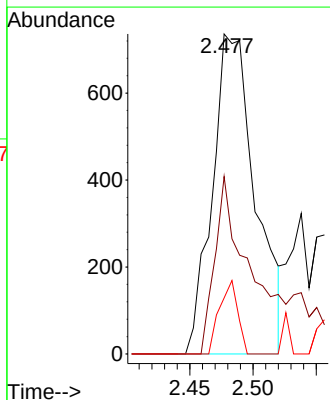
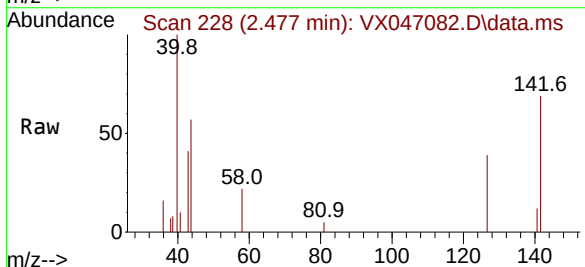
Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

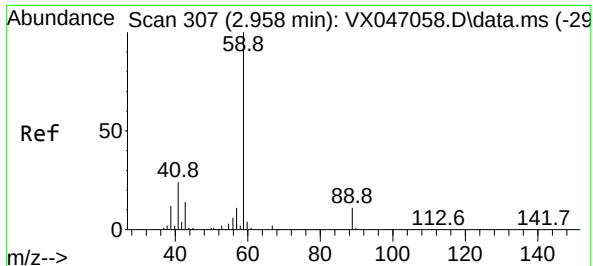
Tgt Ion: 74 Resp: 1697
Ion Ratio Lower Upper
74 100
45 103.9 53.0 159.0



#10
Methyl Iodide
Concen: 0.303 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion:142 Resp: 1747
Ion Ratio Lower Upper
142 100
127 46.0 36.6 54.8
141 9.7 10.9 16.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX047082.D

Acq: 23 Jul 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

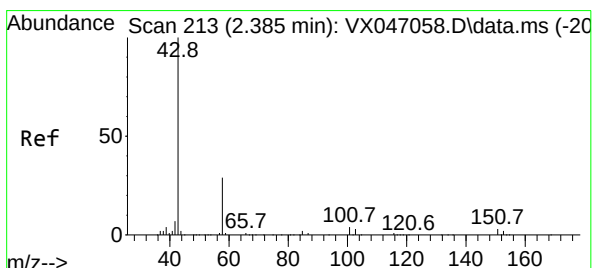
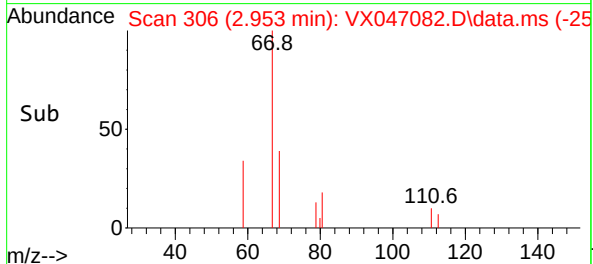
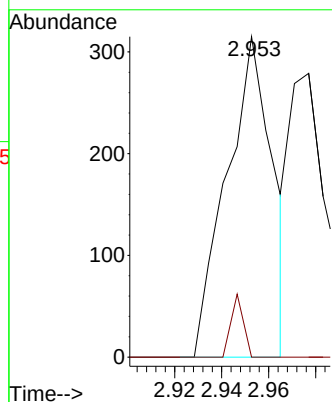
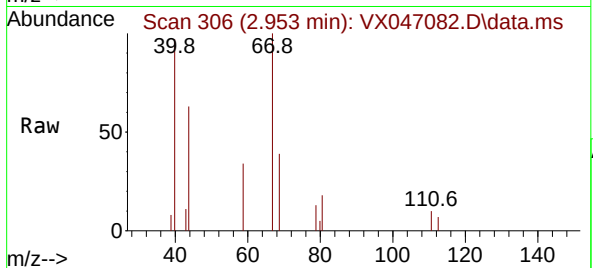
PB168956TB

Tgt Ion: 59 Resp: 427

Ion Ratio Lower Upper

59 100

57 5.4 8.5 12.7#



#16

Acetone

Concen: 26.355 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX047082.D

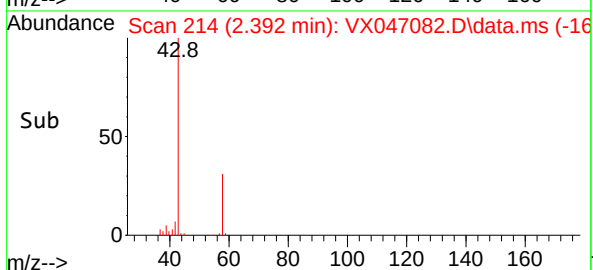
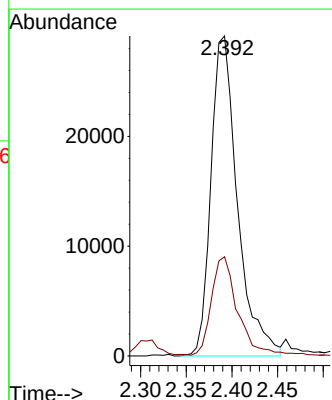
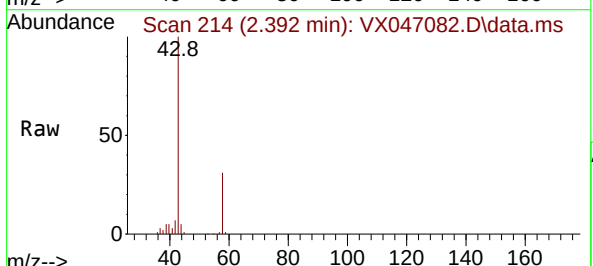
Acq: 23 Jul 2025 12:02

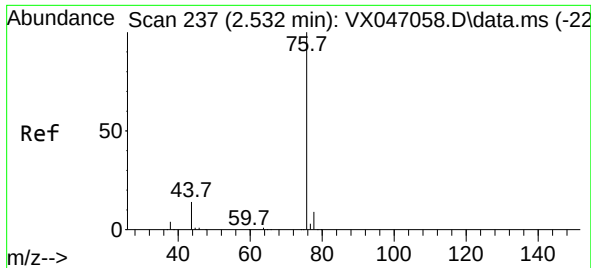
Tgt Ion: 43 Resp: 58700

Ion Ratio Lower Upper

43 100

58 31.2 24.0 36.0

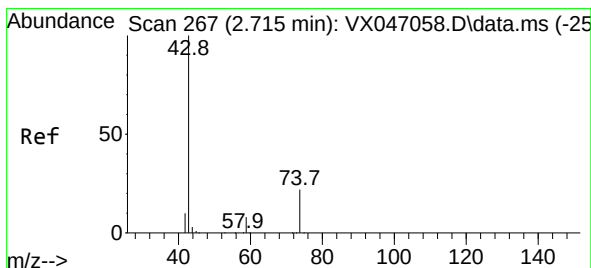
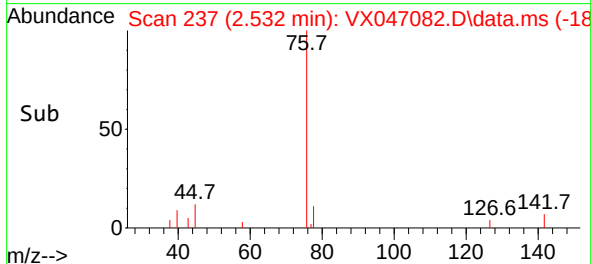
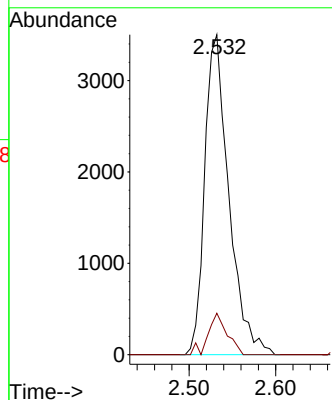
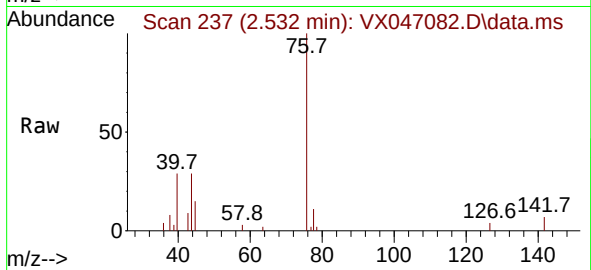




#17
Carbon Disulfide
Concen: 0.417 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

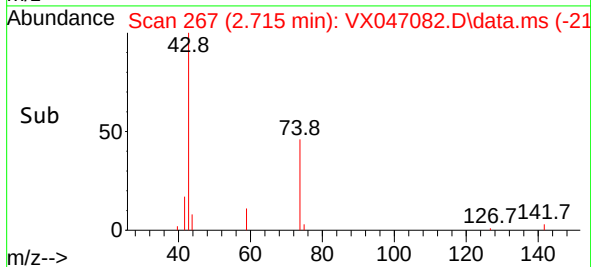
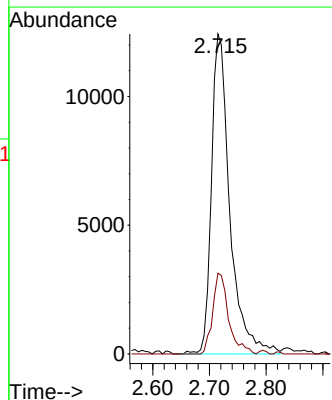
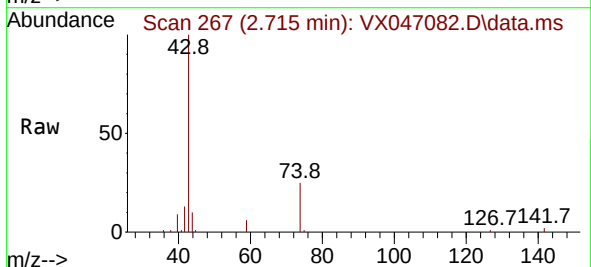
Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

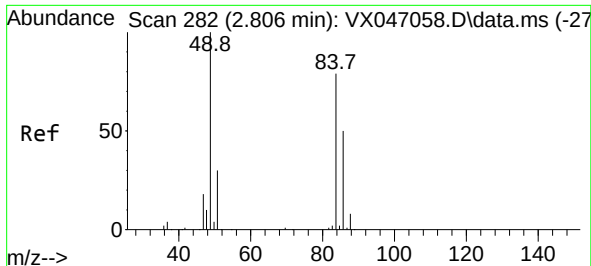
Tgt Ion: 76 Resp: 6774
Ion Ratio Lower Upper
76 100
78 12.9 7.0 10.4#



#18
Methyl Acetate
Concen: 4.721 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

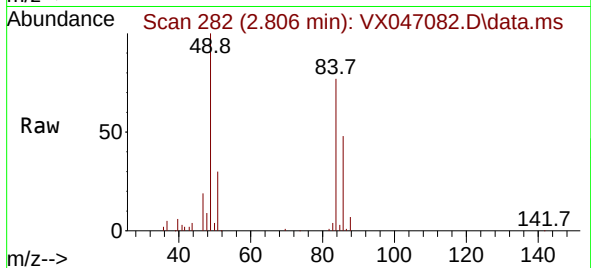
Tgt Ion: 43 Resp: 27945
Ion Ratio Lower Upper
43 100
74 21.9 17.7 26.5



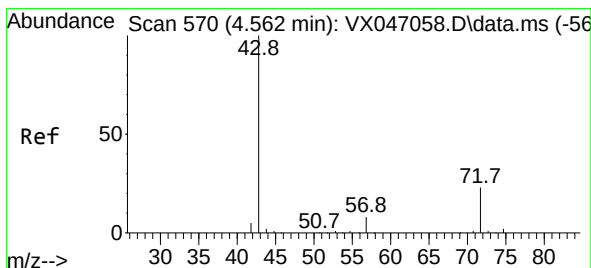
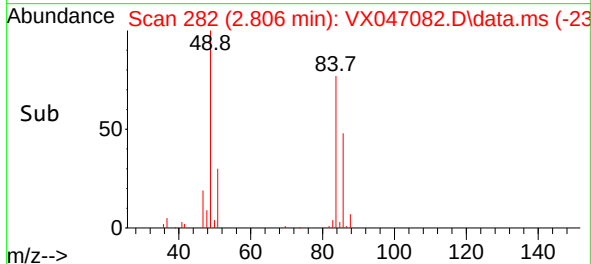
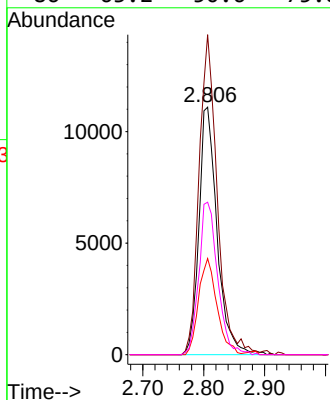


#20
Methylene Chloride
Concen: 3.768 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

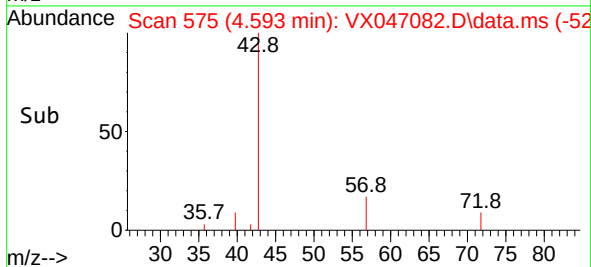
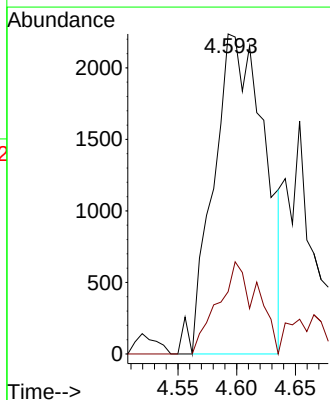
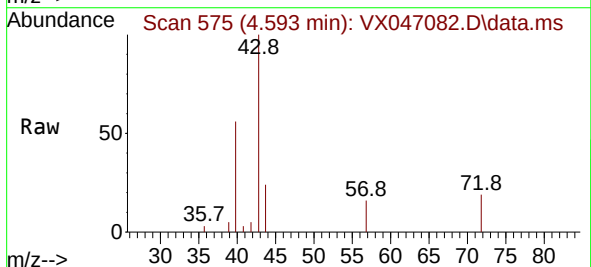


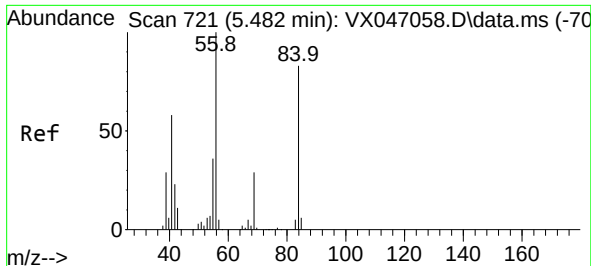
Tgt Ion:	84	Resp:	23088
Ion	Ratio	Lower	Upper
84	100		
49	129.3	101.6	152.4
51	38.8	30.3	45.5
86	63.2	50.6	75.8



#25
2-Butanone
Concen: 2.106 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.031 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion:	43	Resp:	6830
Ion	Ratio	Lower	Upper
43	100		
72	15.7	18.8	28.2#

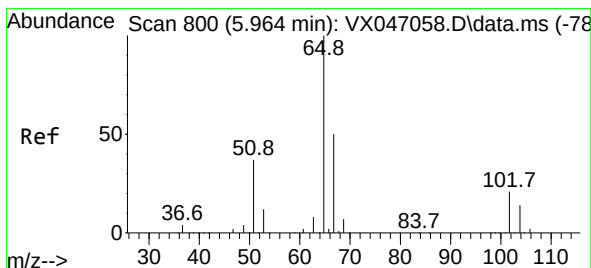
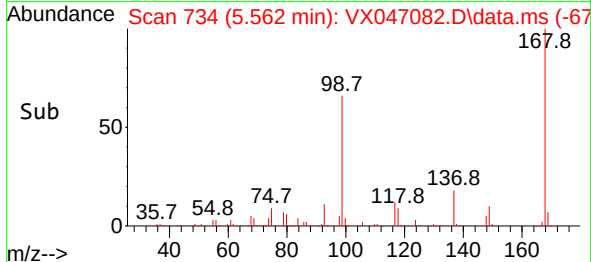
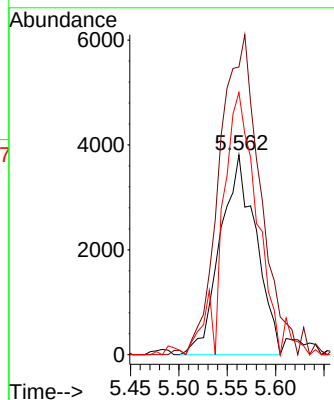
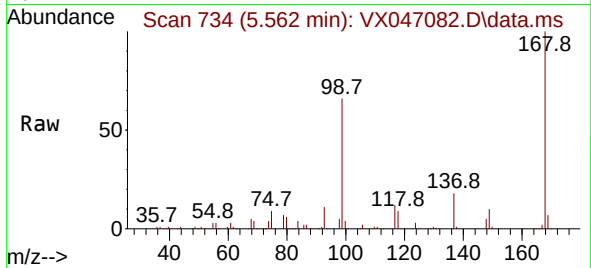




#31
Cyclohexane
Concen: 0.942 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

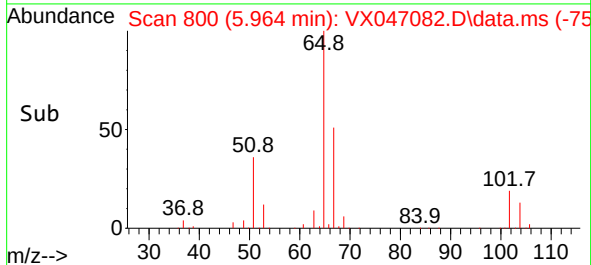
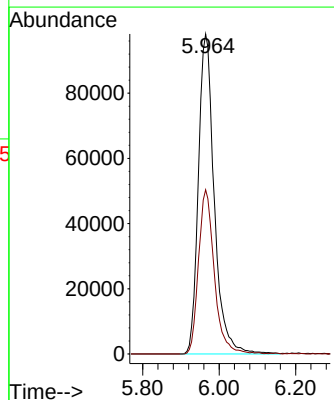
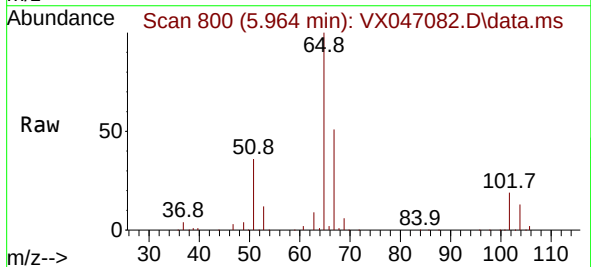
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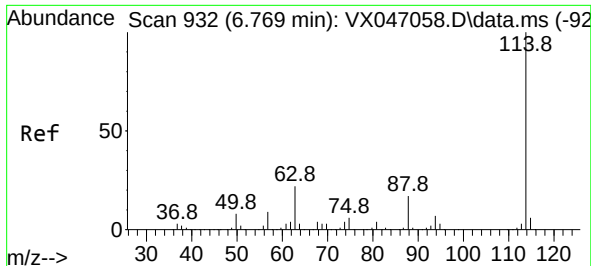
Tgt Ion: 56 Resp: 9789
Ion Ratio Lower Upper
56 100
69 139.3 23.3 34.9#
84 128.9 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 50.826 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion: 65 Resp: 282586
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.8

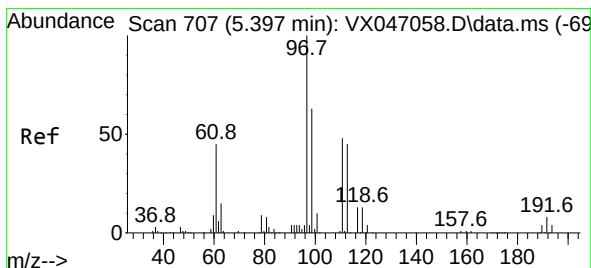
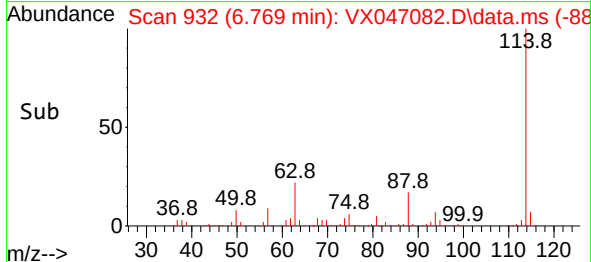
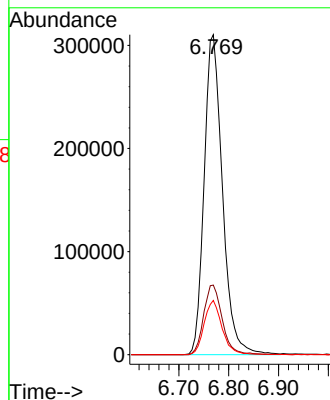
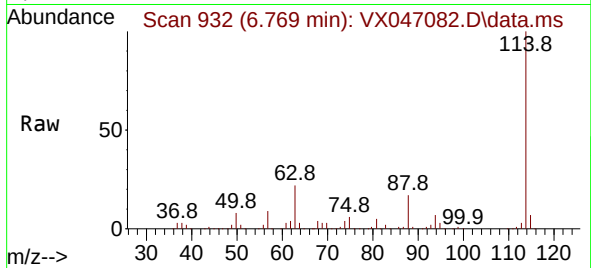




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX047082.D
 Acq: 23 Jul 2025 12:02

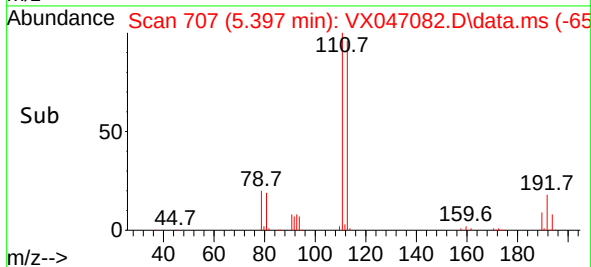
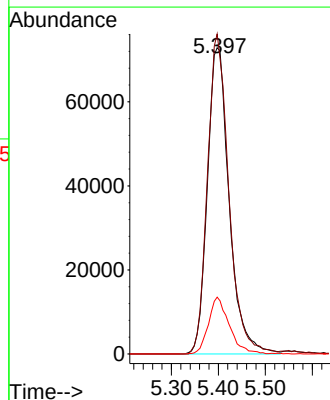
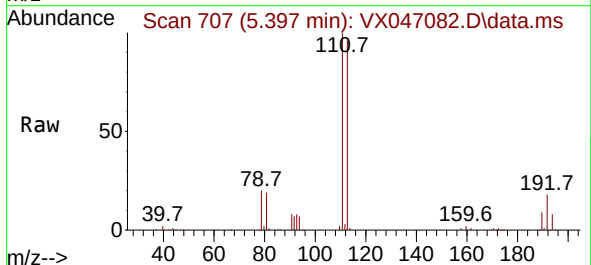
Instrument :
 MSVOA_X
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 PB168956TB

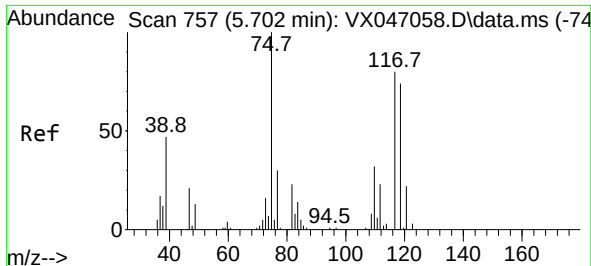
Tgt Ion:114 Resp: 792254
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 17.0 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 48.115 ug/l
 RT: 5.397 min Scan# 707
 Delta R.T. 0.000 min
 Lab File: VX047082.D
 Acq: 23 Jul 2025 12:02

Tgt Ion:113 Resp: 235360
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 124.0
 192 17.7 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.532 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047082.D

Acq: 23 Jul 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

PB168956TB

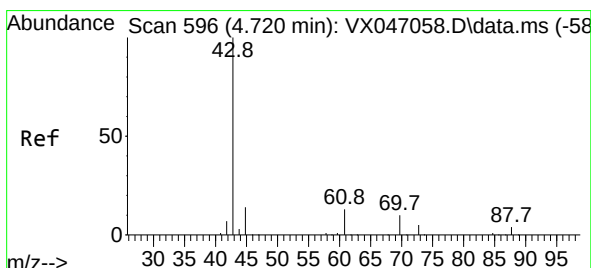
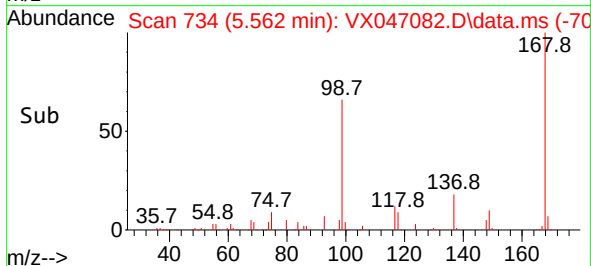
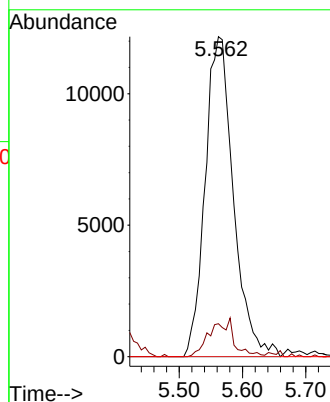
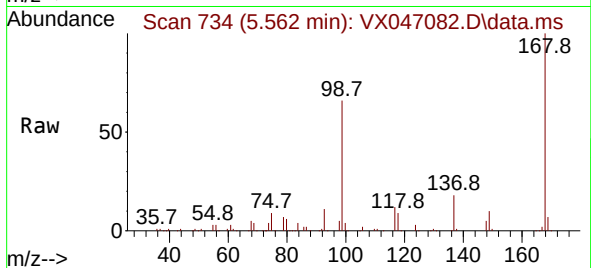
Tgt Ion: 75 Resp: 37785

Ion Ratio Lower Upper

75 100

110 10.2 17.2 51.5#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.635 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

Lab File: VX047082.D

Acq: 23 Jul 2025 12:02

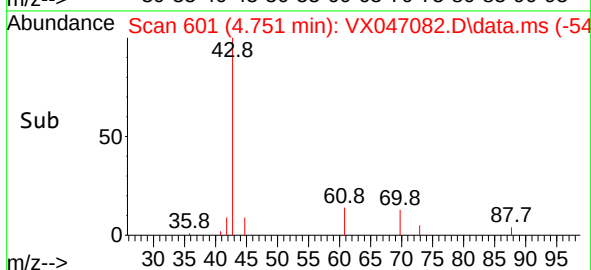
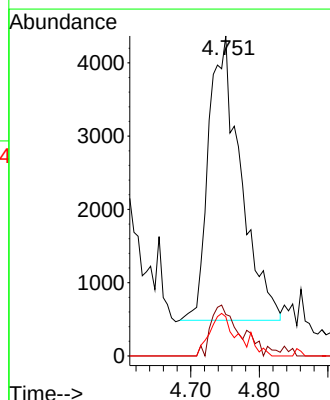
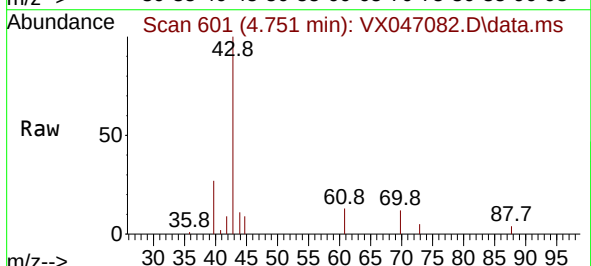
Tgt Ion: 43 Resp: 12561

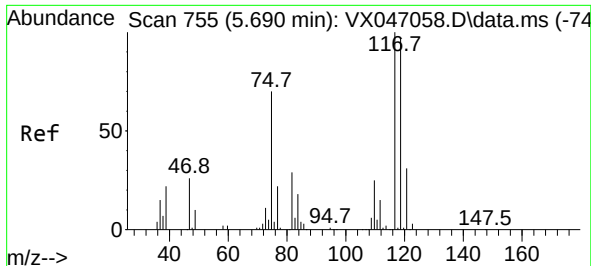
Ion Ratio Lower Upper

43 100

61 13.0 10.2 15.2

70 11.6 8.1 12.1

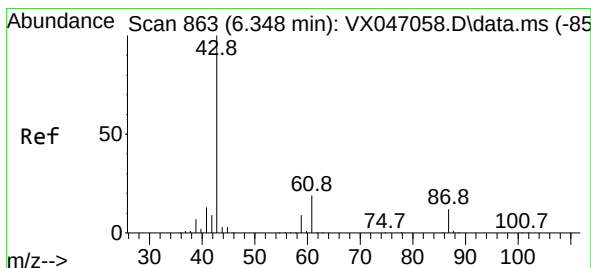
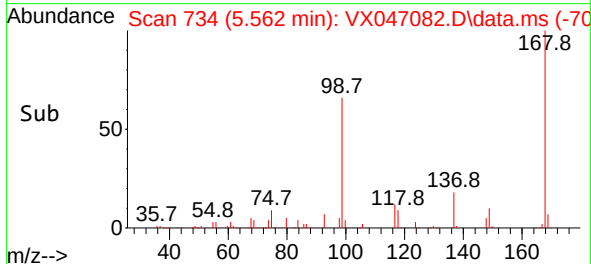
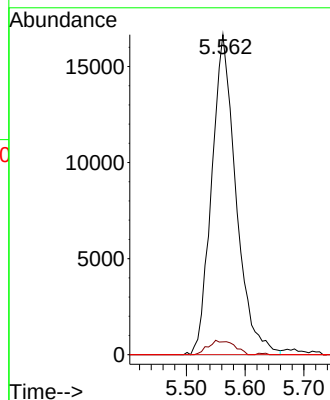
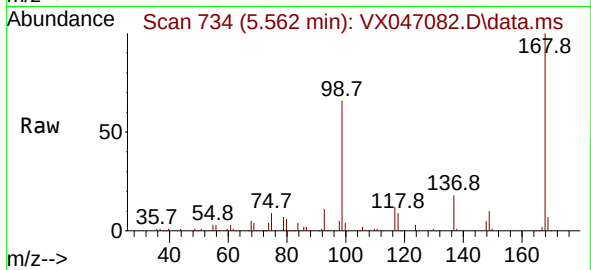




#38
Carbon Tetrachloride
Concen: 5.398 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

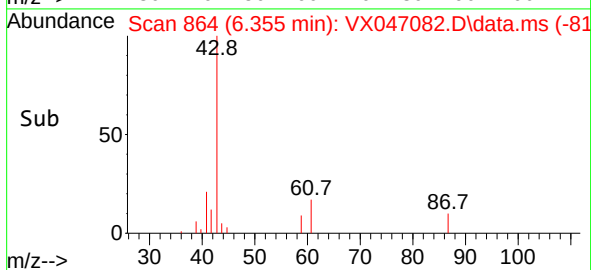
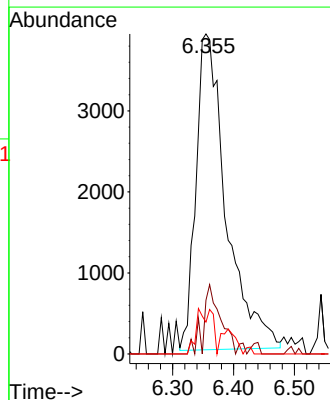
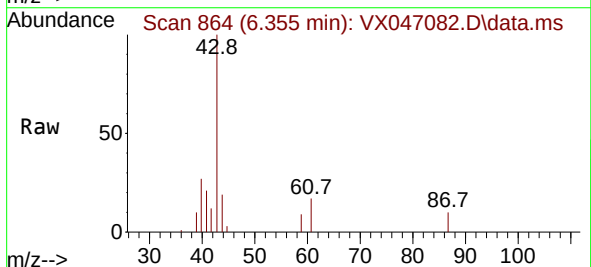
Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

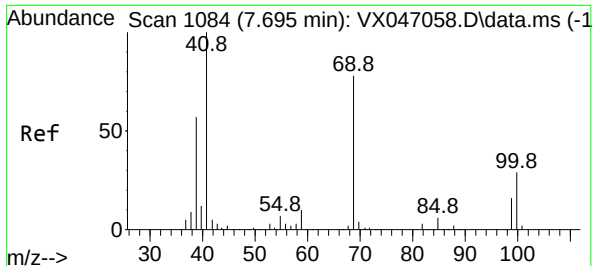
Tgt Ion:117 Resp: 48040
Ion Ratio Lower Upper
117 100
119 4.0 76.6 115.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 1.119 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion: 43 Resp: 13399
Ion Ratio Lower Upper
43 100
61 13.2 15.1 22.7#
87 7.5 9.7 14.5#

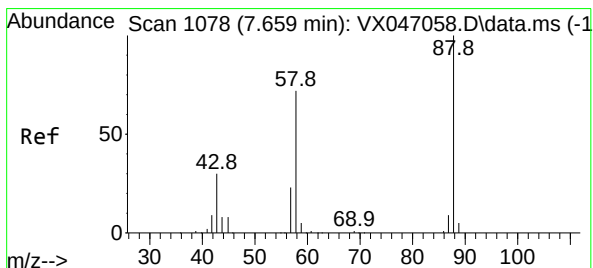
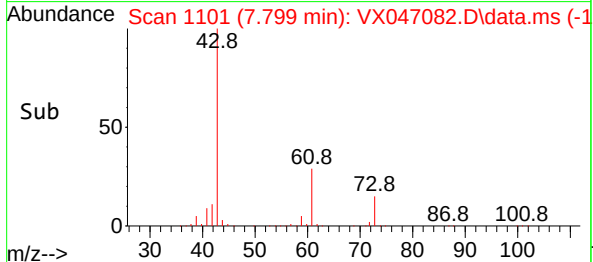
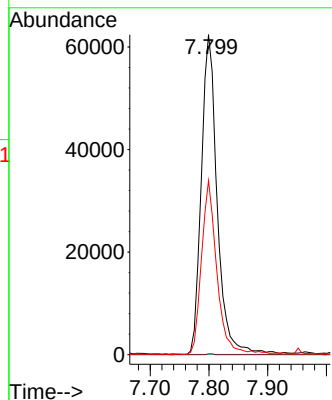
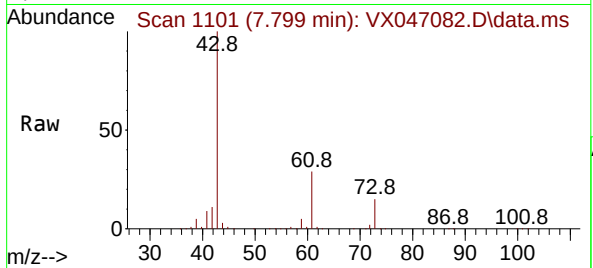




#48
Methyl methacrylate
Concen: 17.956 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

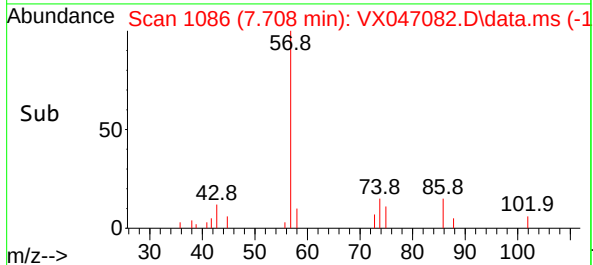
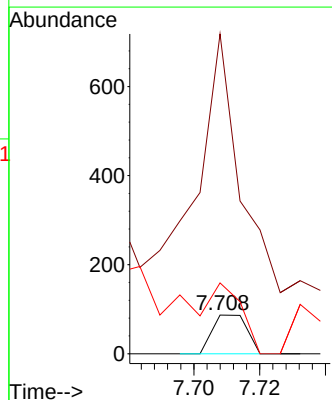
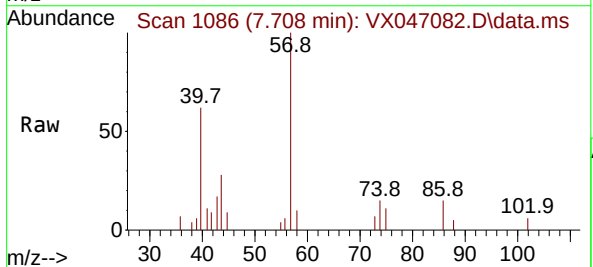
Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

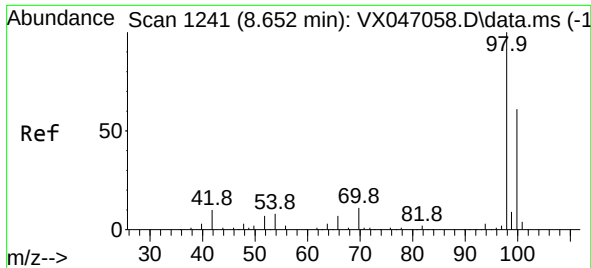
Tgt Ion: 41 Resp: 117169
Ion Ratio Lower Upper
41 100
69 0.1 62.3 93.5#
39 53.2 44.8 67.2



#49
1,4-Dioxane
Concen: 0.849 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.049 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 33.6 50.4#
58 0.0 58.8 88.2#

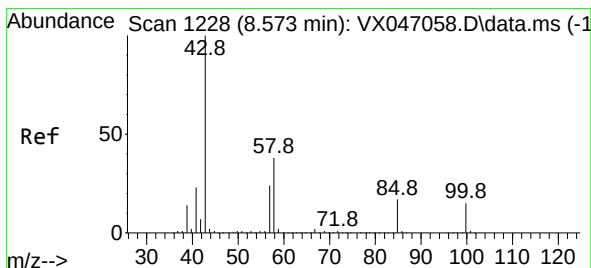
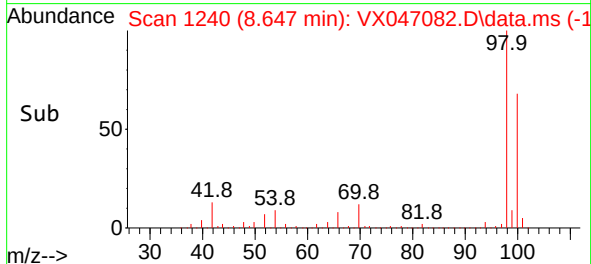
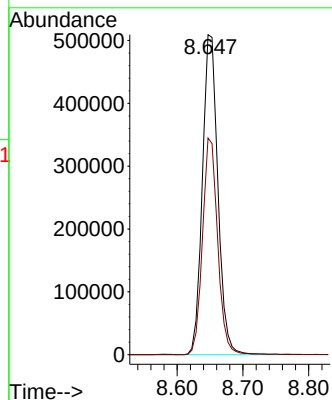
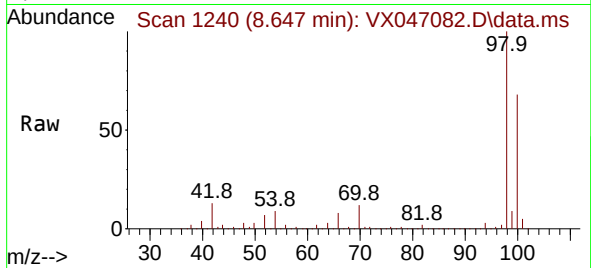




#50
Toluene-d8
Concen: 52.757 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

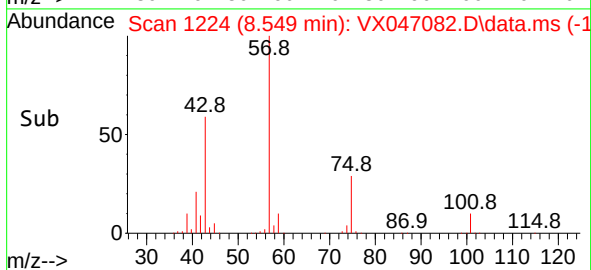
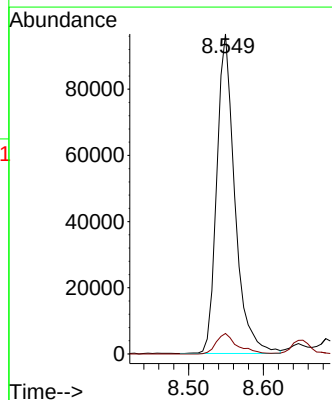
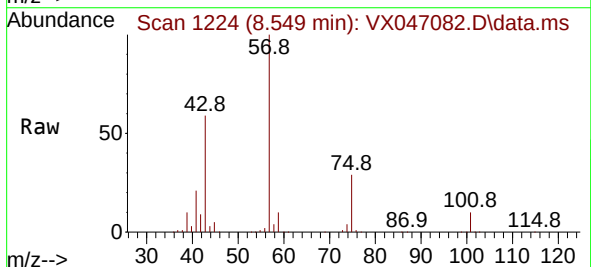
Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

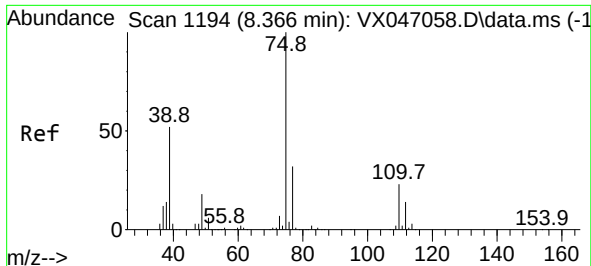
Tgt Ion: 98 Resp: 835746
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 22.862 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion: 43 Resp: 162771
Ion Ratio Lower Upper
43 100
58 7.4 30.6 45.8#

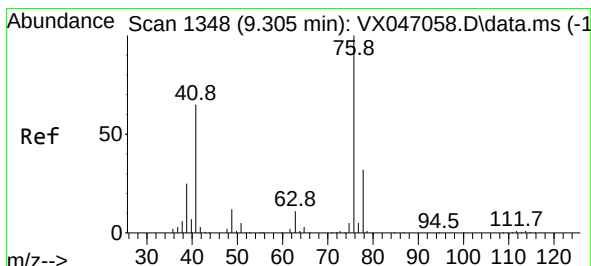
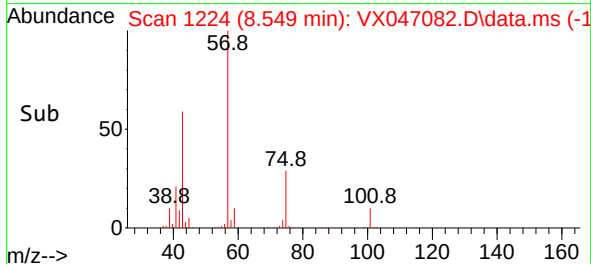
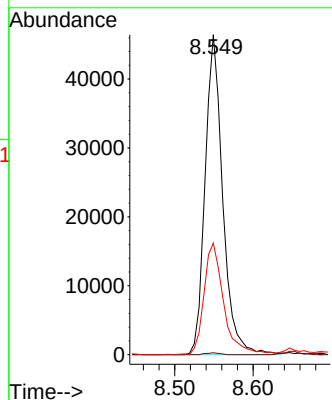
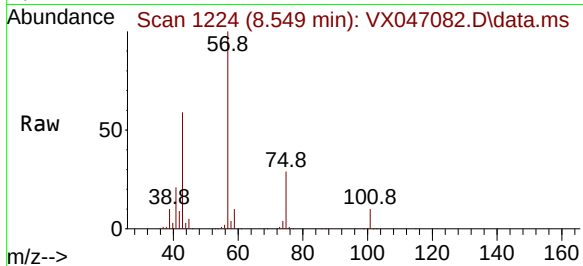




#54
 cis-1,3-Dichloropropene
 Concen: 7.775 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX047082.D
 Acq: 23 Jul 2025 12:02

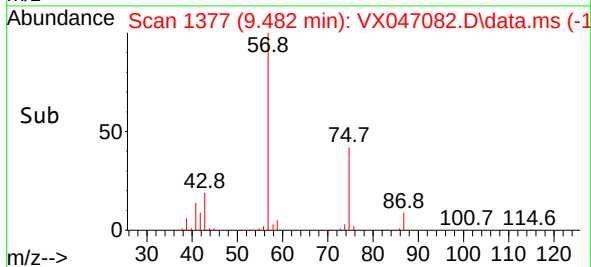
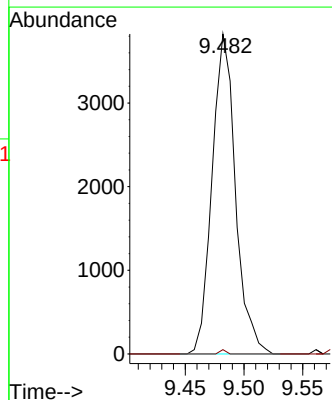
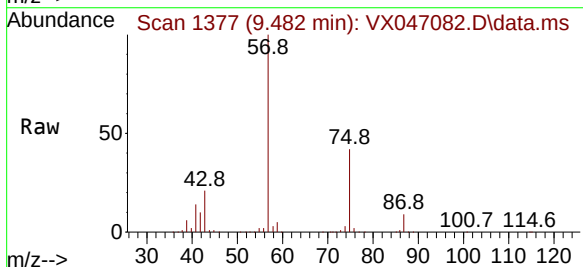
Instrument :
 MSVOA_X
 ClientSampleId :
 PB168956TB

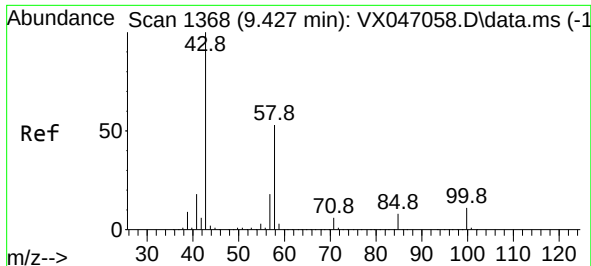
Tgt Ion: 75 Resp: 72487
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.0#
 39 34.1 41.8 62.6#



#57
 1,3-Dichloropropane
 Concen: 0.548 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX047082.D
 Acq: 23 Jul 2025 12:02

Tgt Ion: 76 Resp: 5304
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.5 38.3#

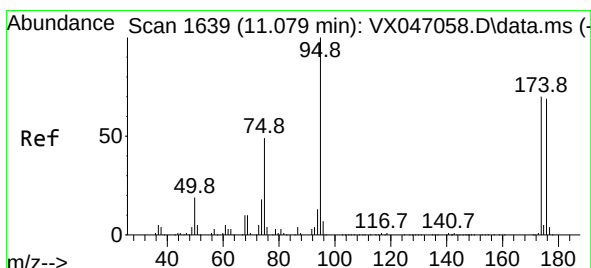
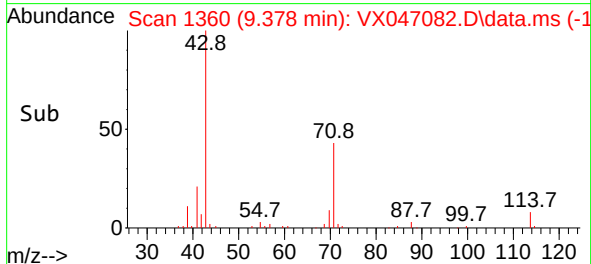
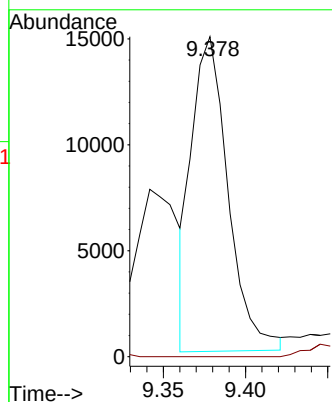
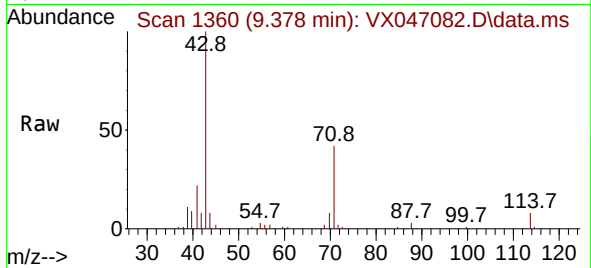




#59
2-Hexanone
Concen: 4.850 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

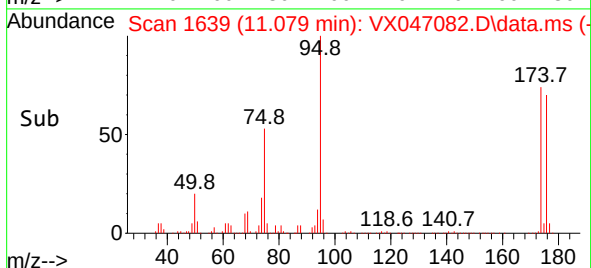
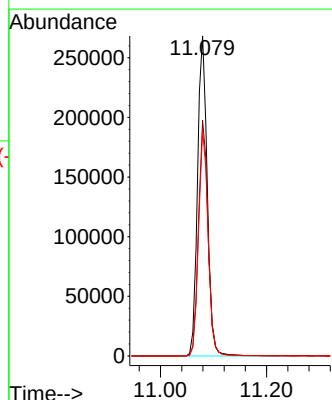
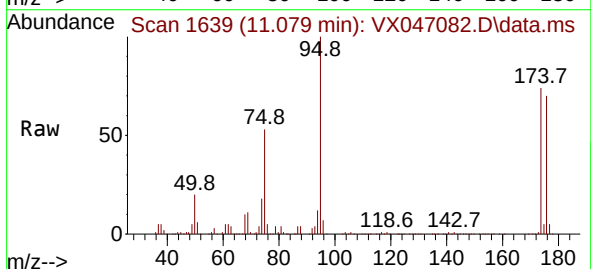
Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

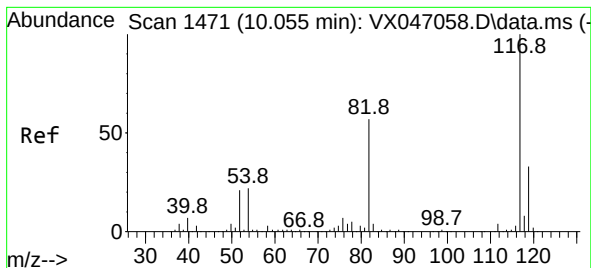
Tgt Ion: 43 Resp: 22812
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 49.856 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion: 95 Resp: 340357
Ion Ratio Lower Upper
95 100
174 73.1 0.0 144.6
176 69.3 0.0 139.6

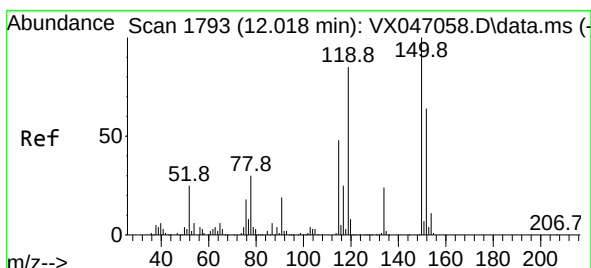
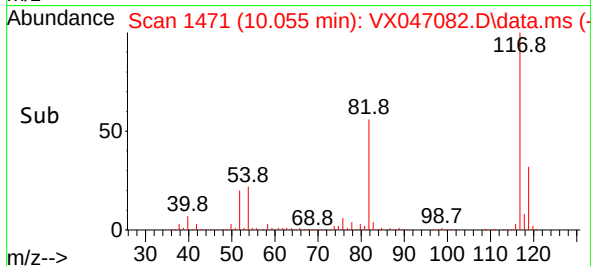
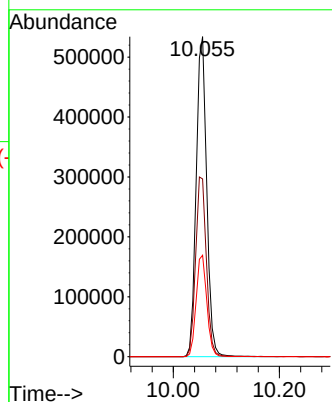
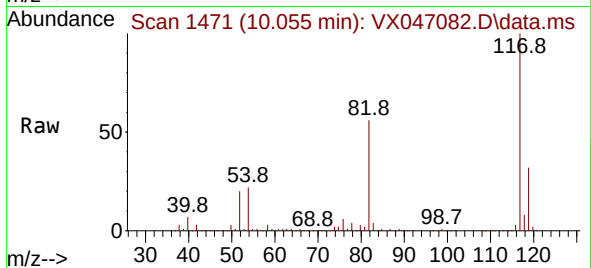




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

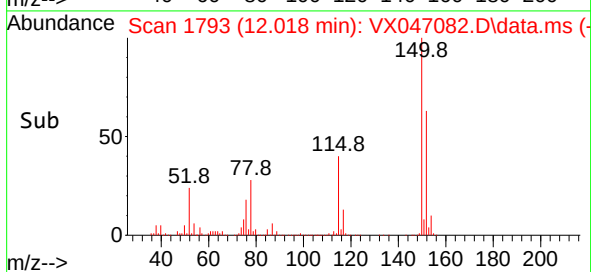
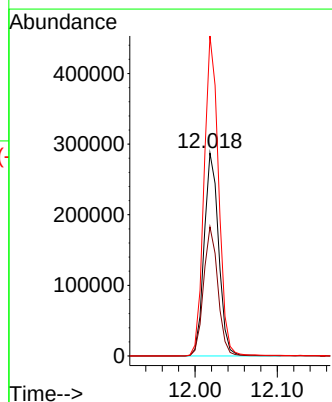
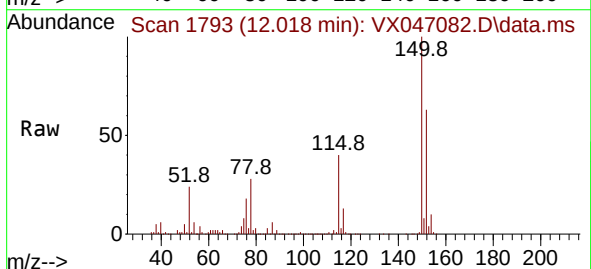
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ClientSampleId :
PB168956TB

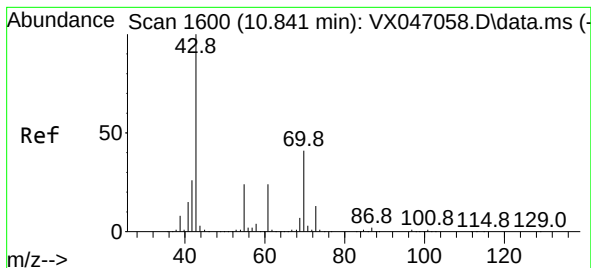
Tgt Ion:117 Resp: 734790
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.2
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion:152 Resp: 351988
Ion Ratio Lower Upper
152 100
115 63.0 45.6 136.7
150 158.1 0.0 354.6





#74

N-amy1 acetate

Concen: 2.389 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX047082.D

Acq: 23 Jul 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

PB168956TB

Tgt Ion: 43 Resp: 26769

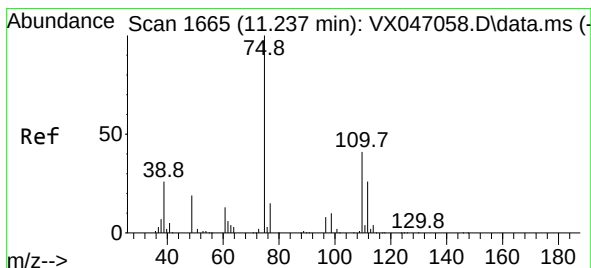
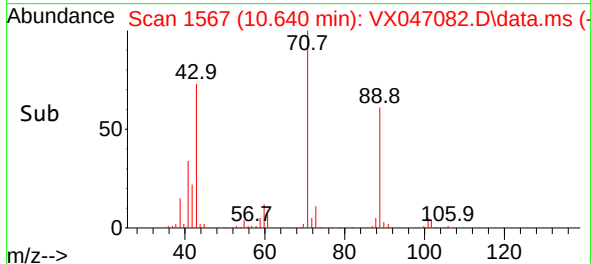
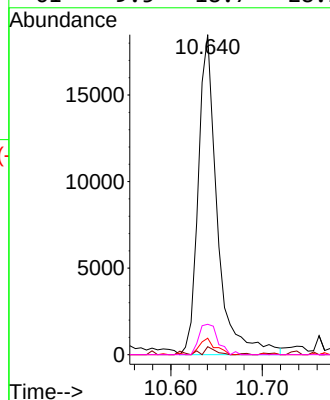
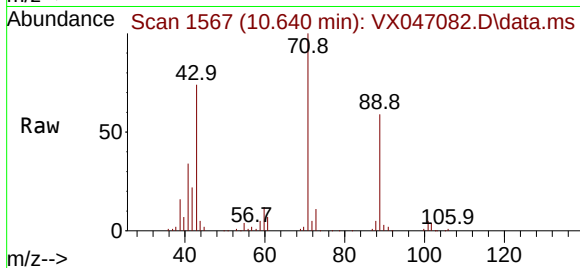
Ion Ratio Lower Upper

43 100

70 1.6 32.3 48.5#

55 4.3 18.9 28.3#

61 9.5 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 27.241 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047082.D

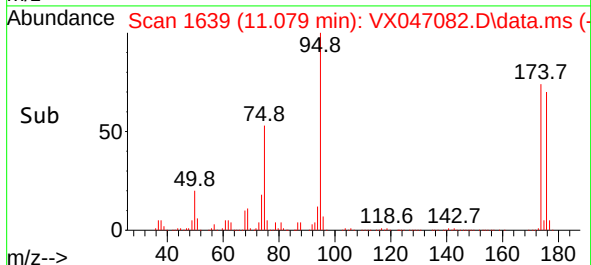
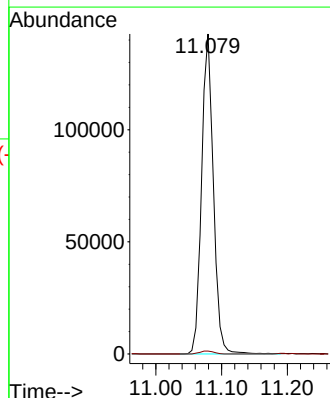
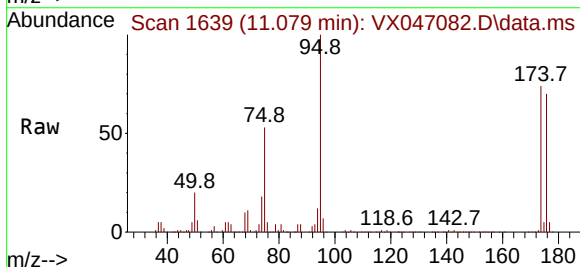
Acq: 23 Jul 2025 12:02

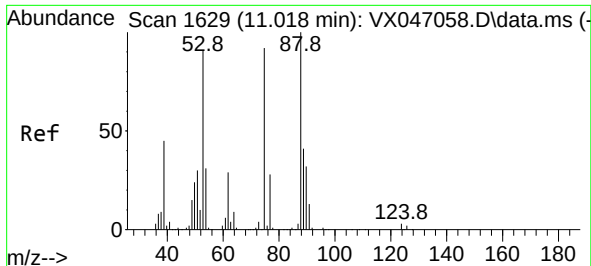
Tgt Ion: 75 Resp: 177477

Ion Ratio Lower Upper

75 100

77 1.1 21.6 65.0#

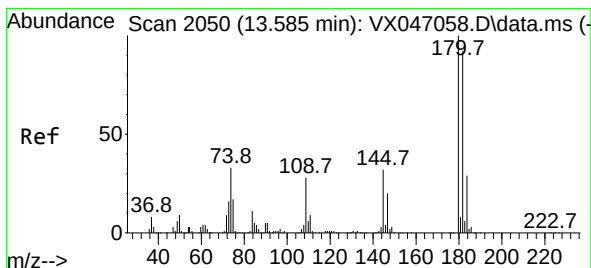
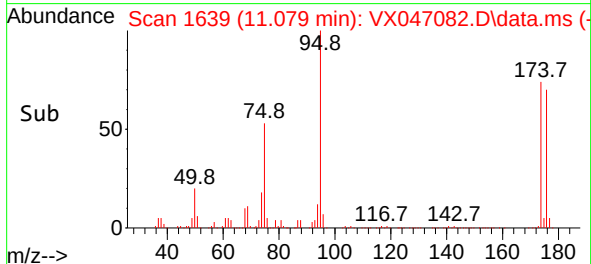
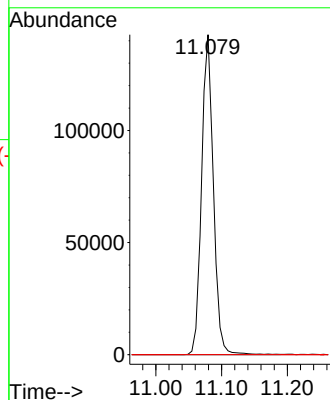
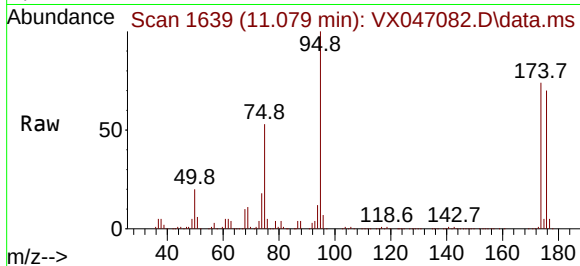




#81
trans-1,4-Dichloro-2-butene
Concen: 70.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

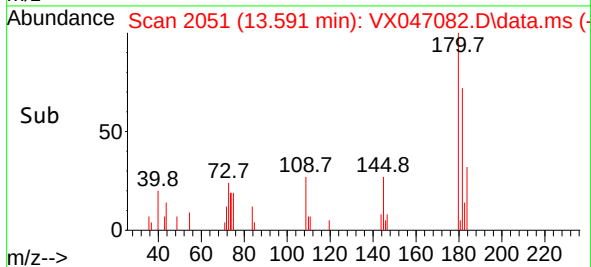
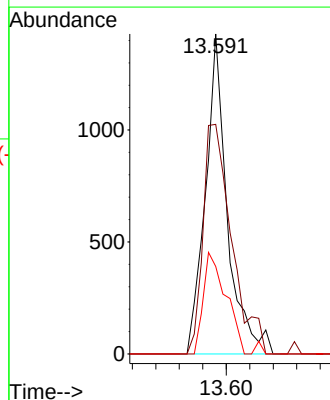
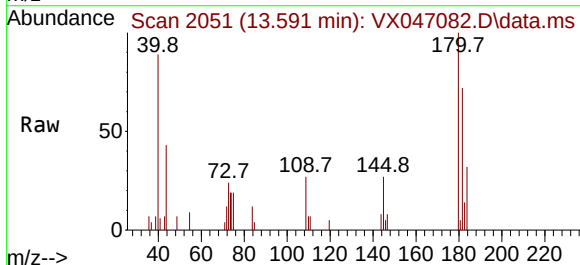
Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

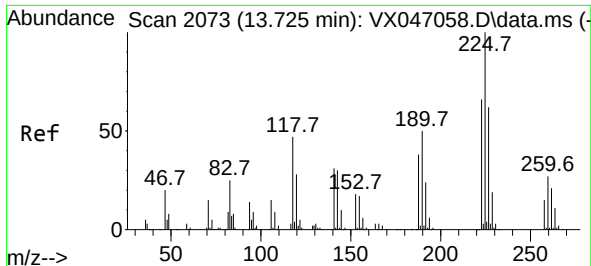
Tgt Ion: 75 Resp: 177477
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.231 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion:180 Resp: 1844
Ion Ratio Lower Upper
180 100
182 93.8 47.3 141.8
145 33.0 16.4 49.1

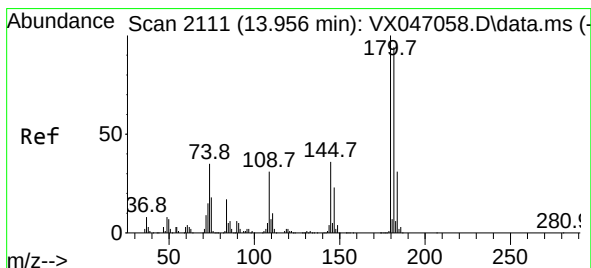
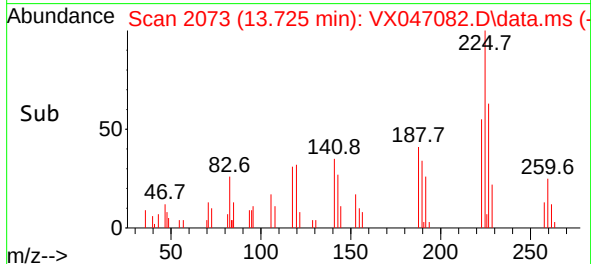
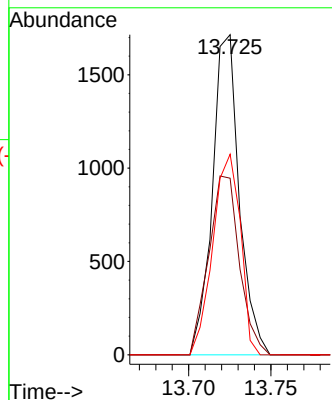
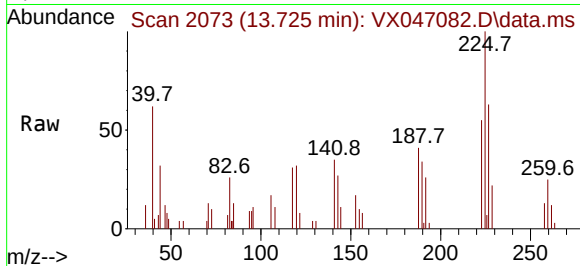




#94
Hexachlorobutadiene
Concen: 0.717 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
PB168956TB

Tgt Ion:	225	Resp:	1950
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.6	95.0
227	64.3	32.9	98.6



#96
1,2,3-Trichlorobenzene
Concen: 0.218 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047082.D
Acq: 23 Jul 2025 12:02

Tgt Ion:	180	Resp:	1676
Ion Ratio	Lower	Upper	
180	100		
182	88.8	46.9	140.6
145	30.5	17.3	52.0

