

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080625\
 Data File : VX047248.D
 Acq On : 06 Aug 2025 15:33
 Operator : JC/MD
 Sample : Q2759-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOLID-DRUMS

Quant Time: Aug 07 01:19:31 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)

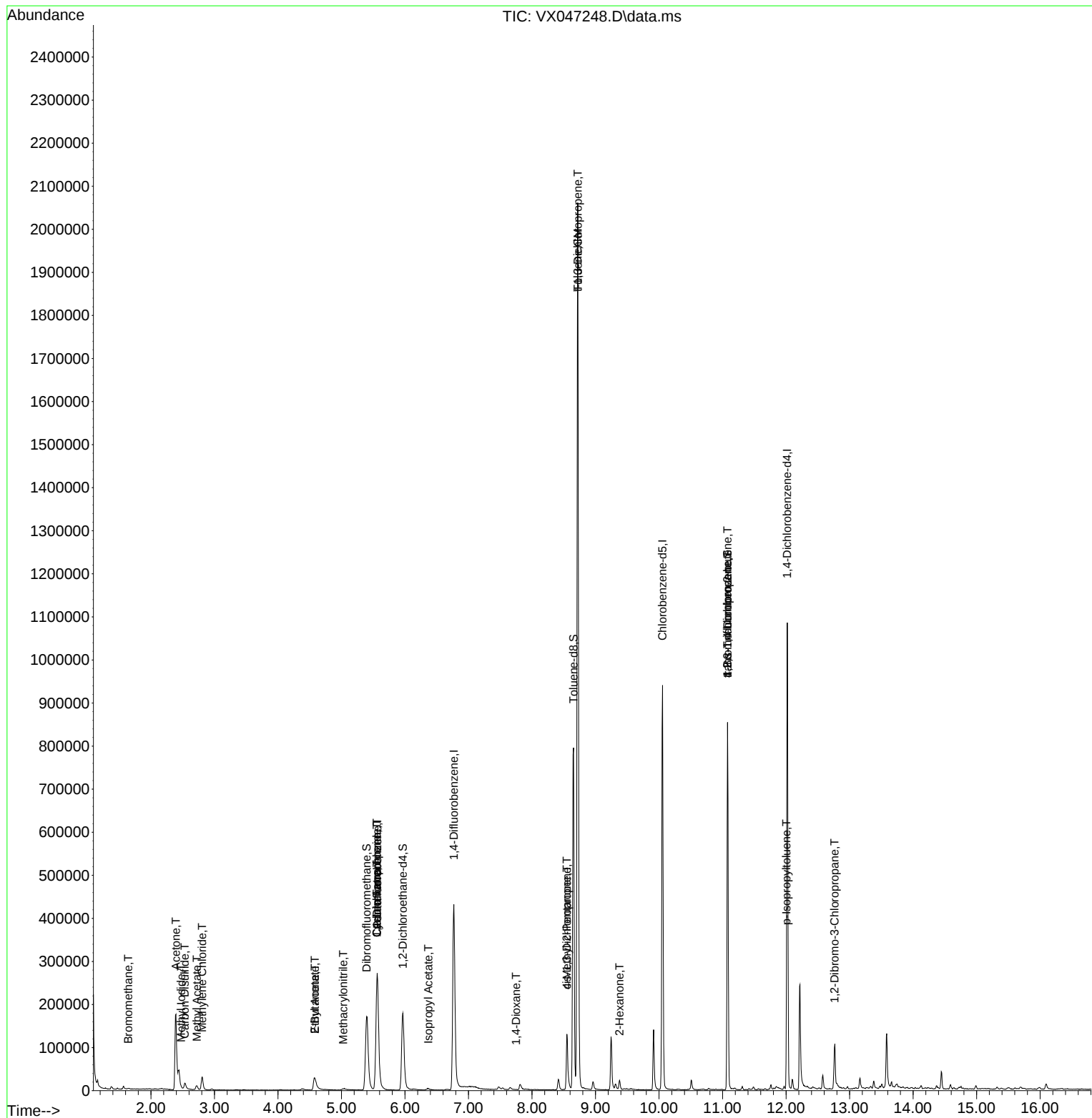
Internal Standards						
1) Pentafluorobenzene	5.562	168	267144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	459448	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	412697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	212489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	187897	56.463	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.920%			
35) Dibromofluoromethane	5.397	113	164124	57.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.720%			
50) Toluene-d8	8.653	98	483876	52.670	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.340%			
62) 4-Bromofluorobenzene	11.079	95	226219	57.140	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.280%			
Target Compounds						Qvalue
5) Bromomethane	1.642	94	581	0.283	ug/l #	50
10) Methyl Iodide	2.477	142	2278	0.659	ug/l #	90
11) Tert butyl alcohol	2.959	59	804	Below Cal	#	72
16) Acetone	2.392	43	245918	184.469	ug/l	100
17) Carbon Disulfide	2.532	76	3266	0.336	ug/l	97
18) Methyl Acetate	2.721	43	15324	4.325	ug/l	97
20) Methylene Chloride	2.806	84	15344	4.184	ug/l	93
25) 2-Butanone	4.580	43	66150	34.078	ug/l	96
31) Cyclohexane	5.556	56	6105	0.981	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22889	4.733	ug/l #	49
37) Ethyl Acetate	4.580	43	66150	14.846	ug/l #	70
38) Carbon Tetrachloride	5.556	117	28402	5.503	ug/l #	16
41) Methacrylonitrile	5.026	41	745	0.320	ug/l #	35
43) Isopropyl Acetate	6.367	43	5061	0.729	ug/l #	85
49) 1,4-Dioxane	7.751	88	28	0.651	ug/l #	20
51) 4-Methyl-2-Pentanone	8.549	43	51999	12.594	ug/l #	47
52) Toluene	8.720	92	777509	90.359	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	9565	1.936	ug/l #	1
54) cis-1,3-Dichloropropene	8.549	75	22455	4.153	ug/l #	56
59) 2-Hexanone	9.378	43	15860	5.814	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	119313	30.336	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	119313	78.157	ug/l #	8
86) p-Isopropyltoluene	12.006	119	9539	0.662	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	12.762	75	371	0.404	ug/l #	2

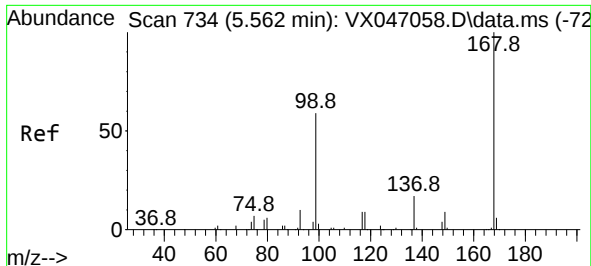
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 07 01:19:31 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

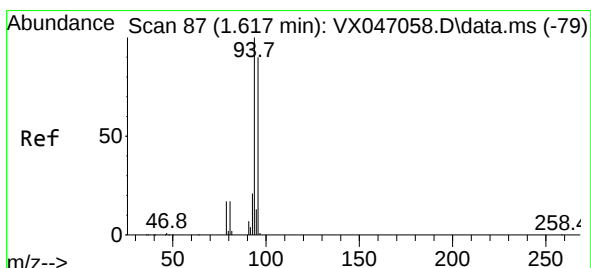
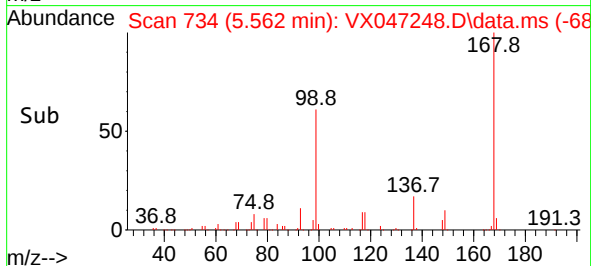
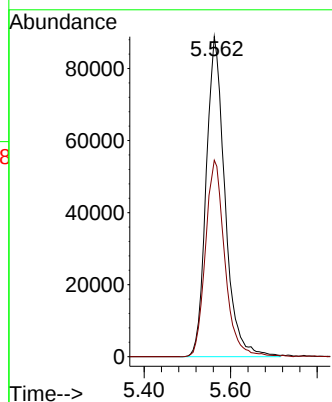
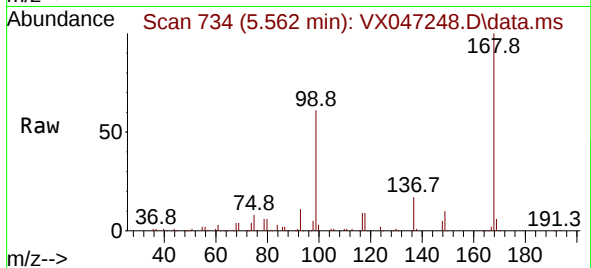




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

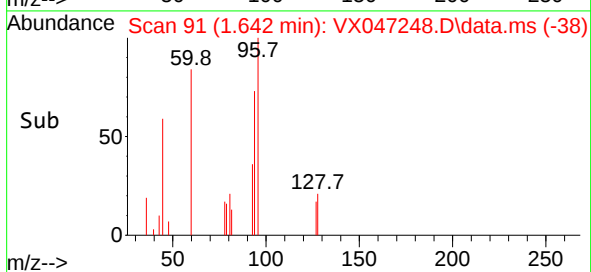
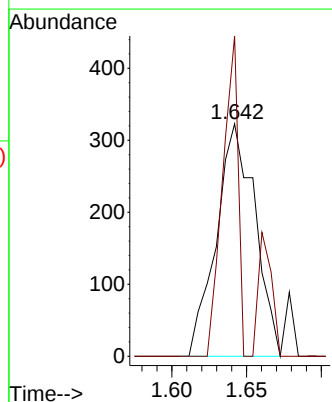
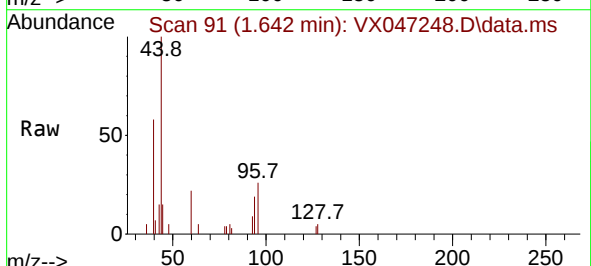
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

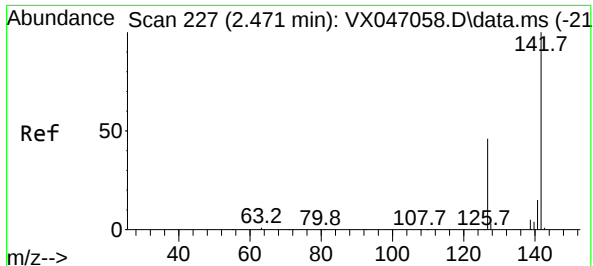
Tgt Ion:168 Resp: 267144
Ion Ratio Lower Upper
168 100
99 61.4 48.0 72.0



#5
Bromomethane
Concen: 0.283 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 94 Resp: 581
Ion Ratio Lower Upper
94 100
96 137.8 72.3 108.5#

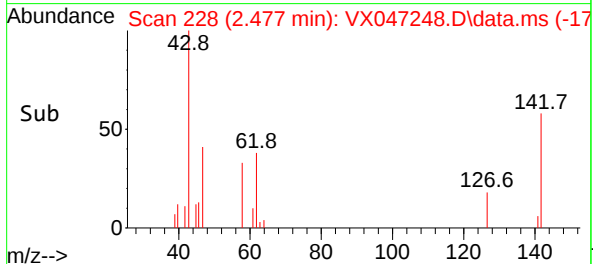
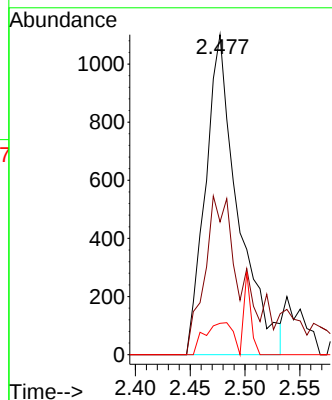
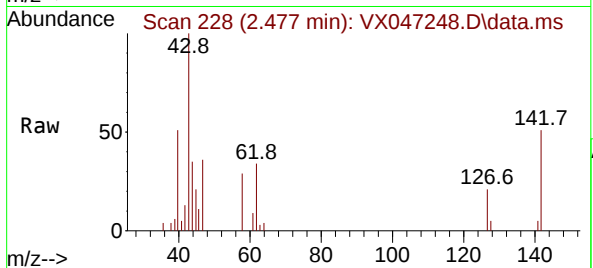




#10
Methyl Iodide
Concen: 0.659 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

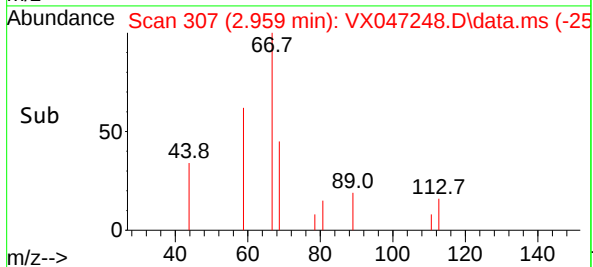
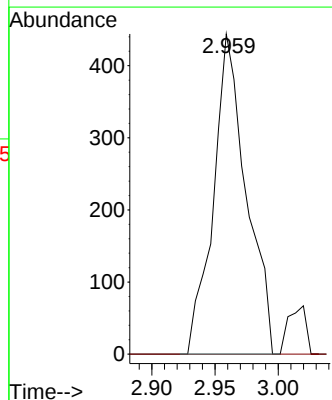
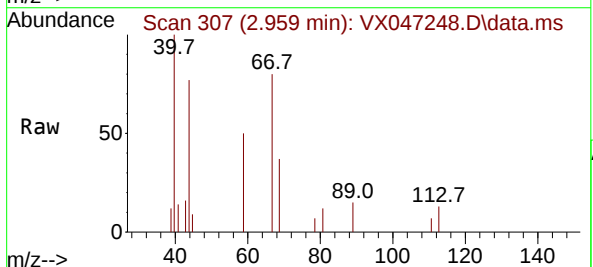
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

Tgt Ion:142 Resp: 2278
Ion Ratio Lower Upper
142 100
127 52.1 36.6 54.8
141 8.7 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 59 Resp: 804
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

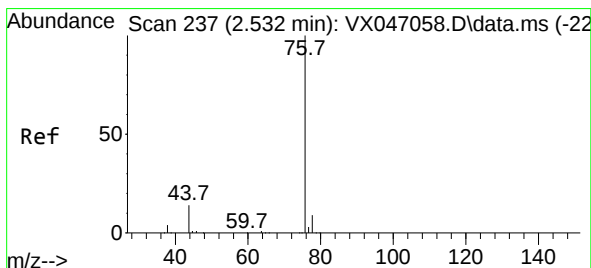
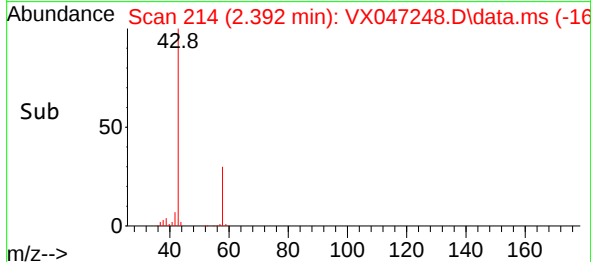
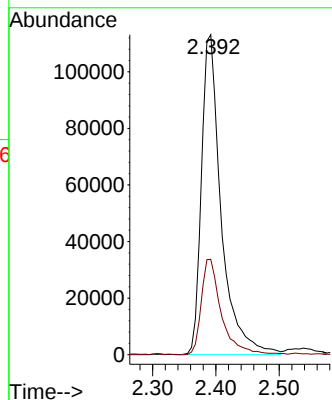
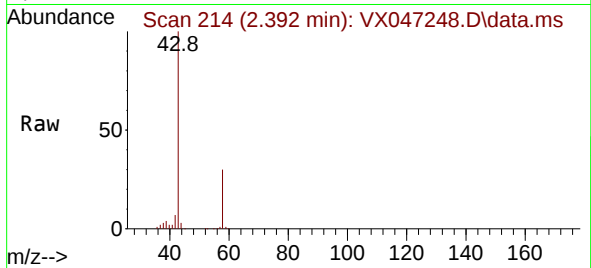




#16
Acetone
Concen: 184.469 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

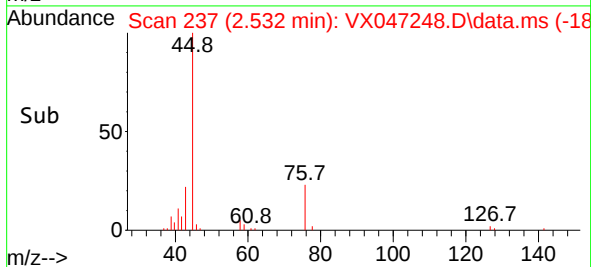
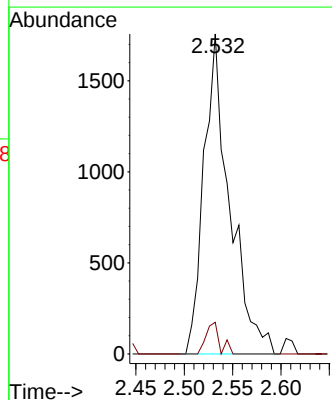
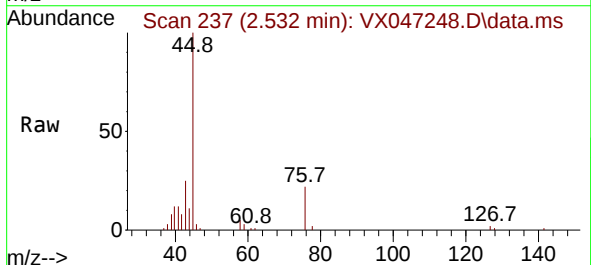
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

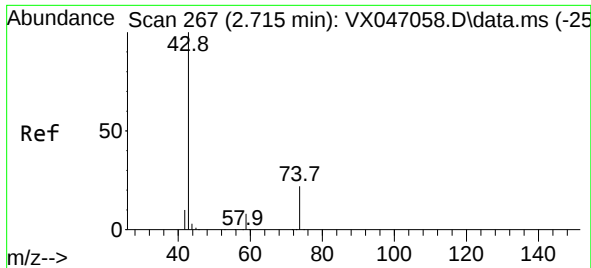
Tgt Ion: 43 Resp: 245918
Ion Ratio Lower Upper
43 100
58 30.0 24.0 36.0



#17
Carbon Disulfide
Concen: 0.336 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 76 Resp: 3266
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4

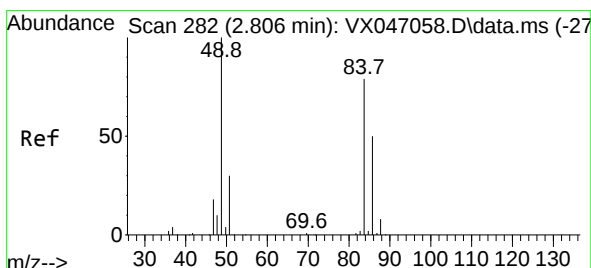
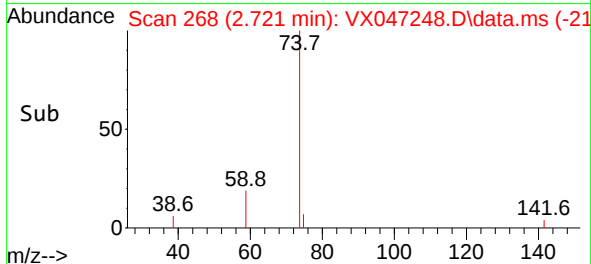
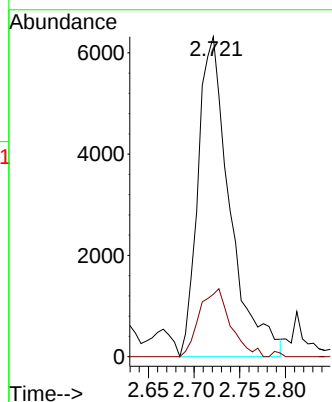
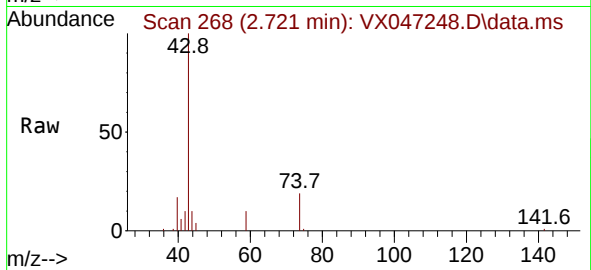




#18
Methyl Acetate
Concen: 4.325 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

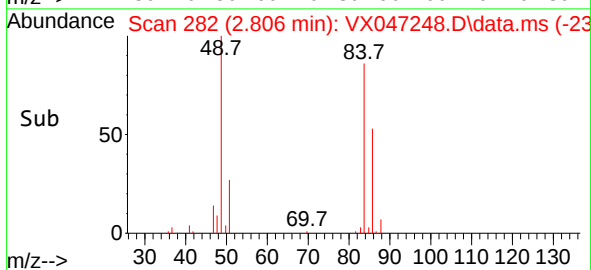
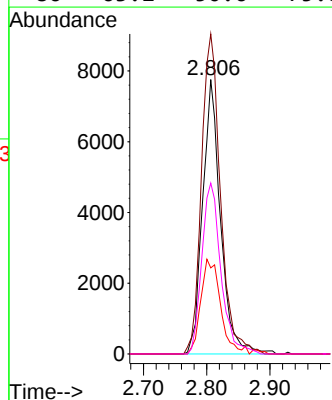
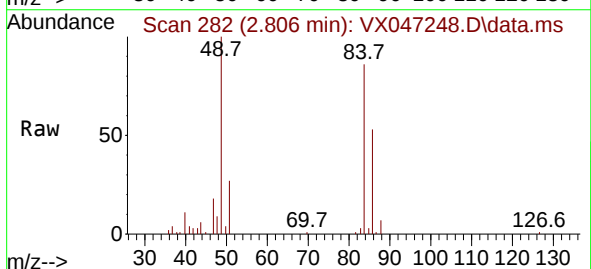
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

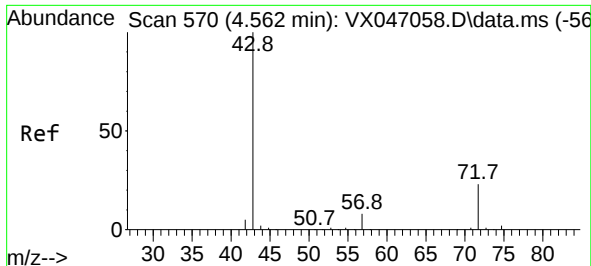
Tgt Ion: 43 Resp: 15324
Ion Ratio Lower Upper
43 100
74 20.7 17.7 26.5



#20
Methylene Chloride
Concen: 4.184 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 84 Resp: 15344
Ion Ratio Lower Upper
84 100
49 116.6 101.6 152.4
51 31.4 30.3 45.5
86 63.2 50.6 75.8

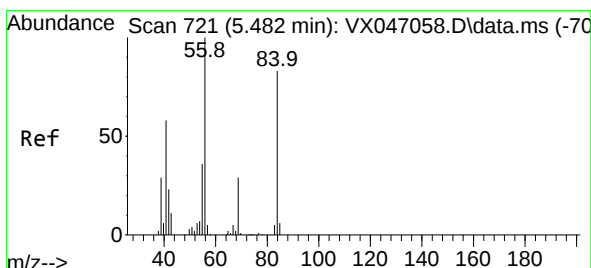
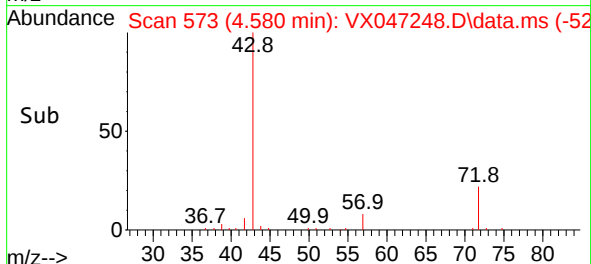
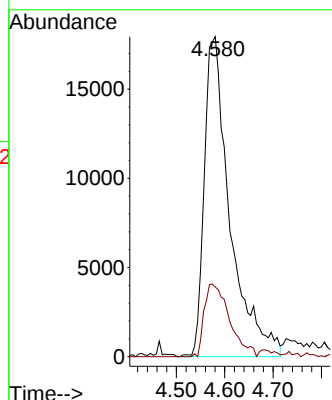
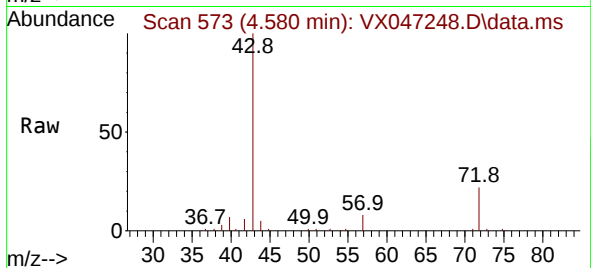




#25
2-Butanone
Concen: 34.078 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

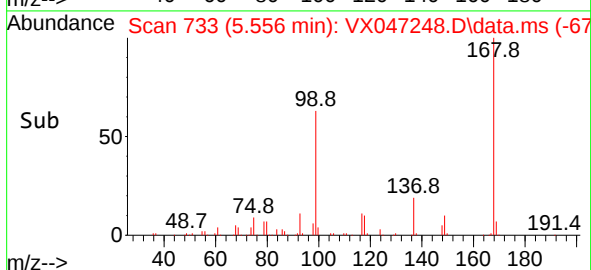
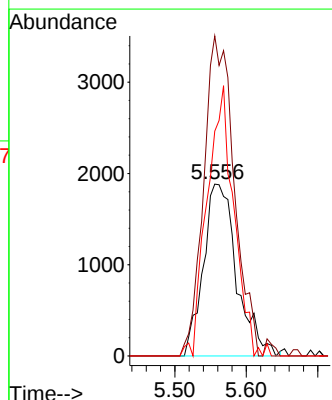
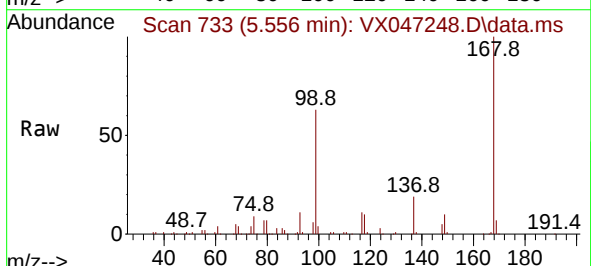
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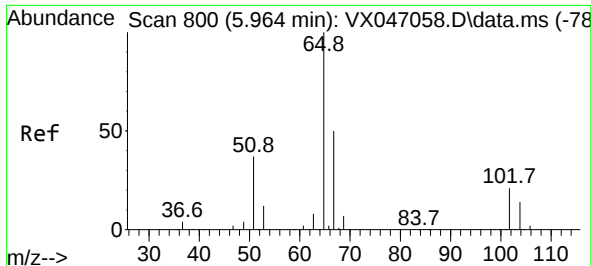
Tgt Ion: 43 Resp: 66150
Ion Ratio Lower Upper
43 100
72 21.8 18.8 28.2



#31
Cyclohexane
Concen: 0.981 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.074 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 56 Resp: 6105
Ion Ratio Lower Upper
56 100
69 172.8 23.3 34.9#
84 121.3 66.5 99.7#

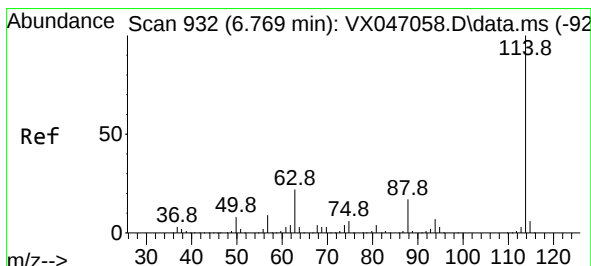
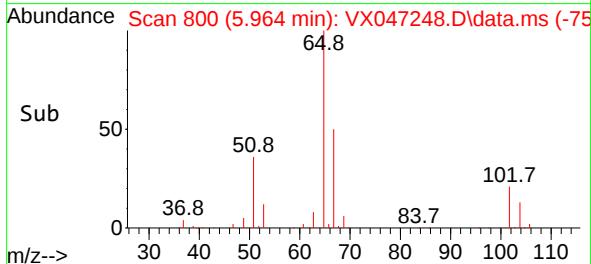
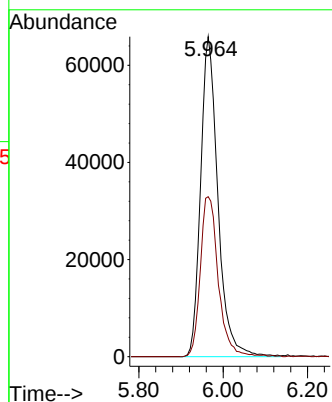
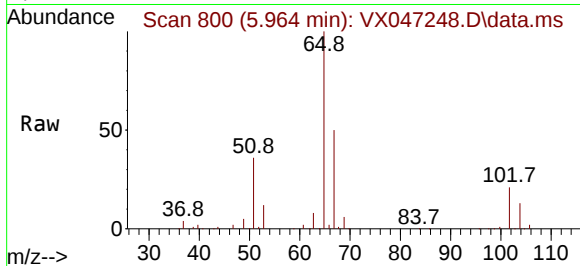




#33
 1,2-Dichloroethane-d4
 Concen: 56.463 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047248.D
 Acq: 06 Aug 2025 15:33

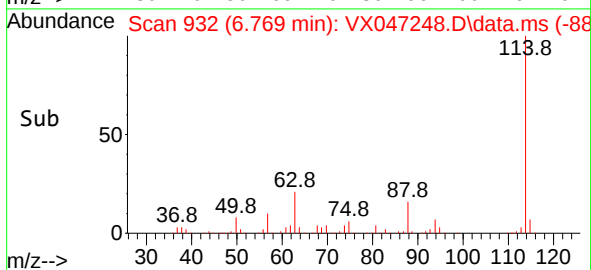
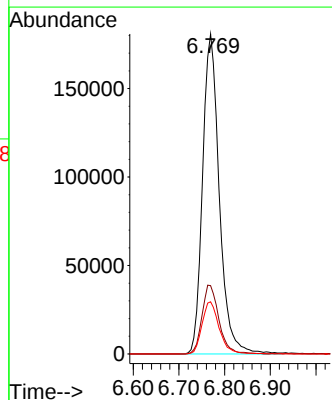
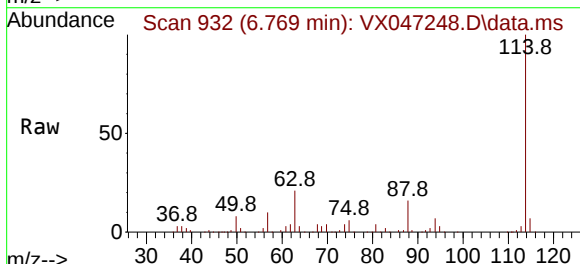
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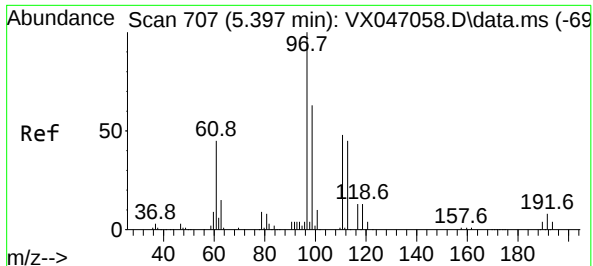
Tgt Ion: 65 Resp: 187897
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047248.D
 Acq: 06 Aug 2025 15:33

Tgt Ion: 114 Resp: 459448
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.3 0.0 33.8

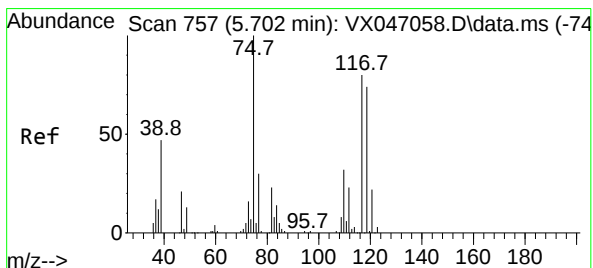
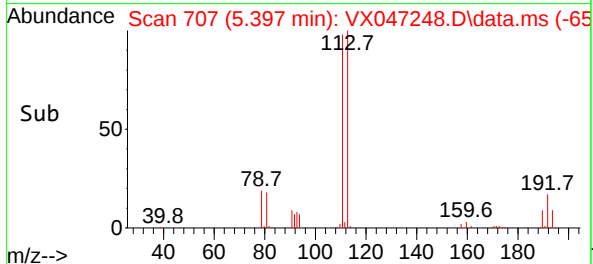
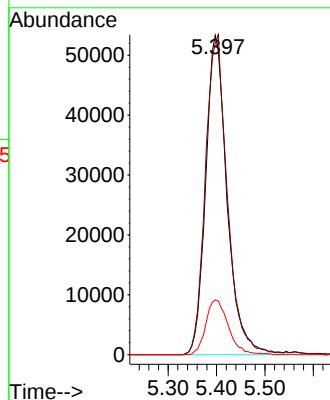
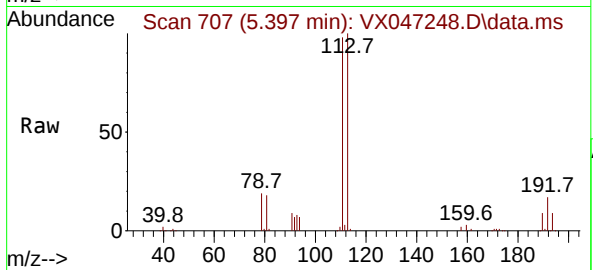




#35
Dibromofluoromethane
Concen: 57.856 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

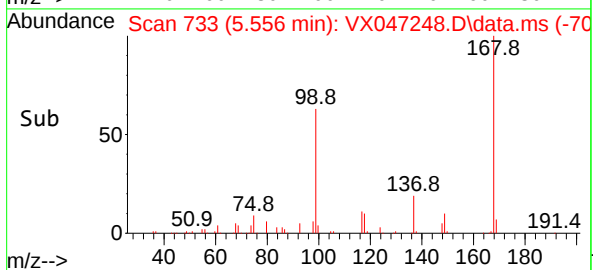
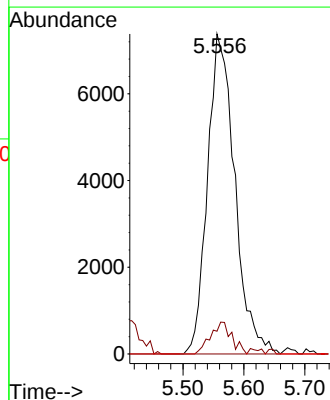
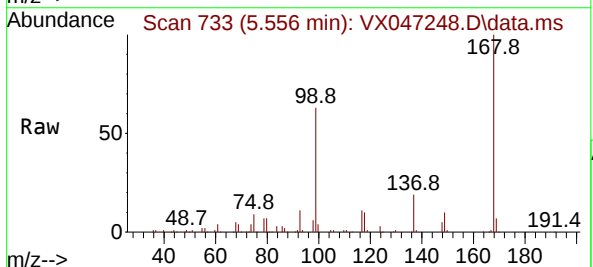
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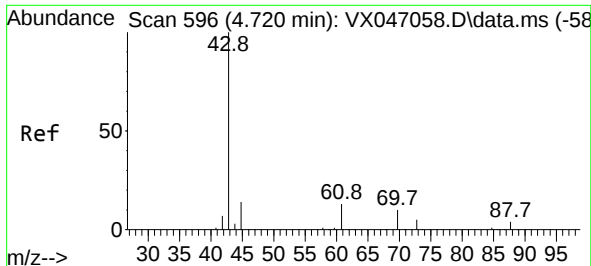
Tgt Ion:113 Resp: 164124
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.1 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.733 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 75 Resp: 22889
Ion Ratio Lower Upper
75 100
110 7.8 17.2 51.5#
77 0.0 25.1 37.7#

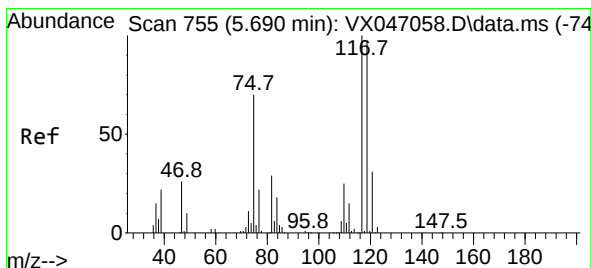
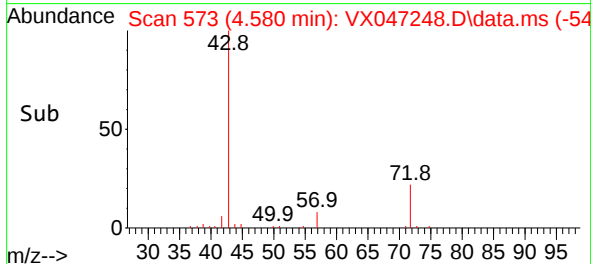
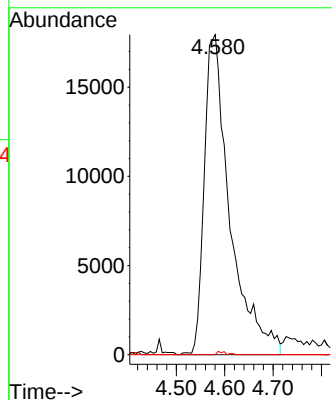
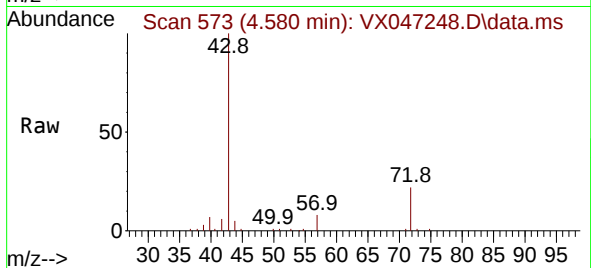




#37
Ethyl Acetate
Concen: 14.846 ug/l
RT: 4.580 min Scan# 51
Delta R.T. -0.140 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

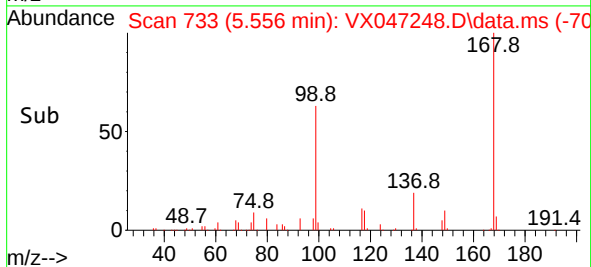
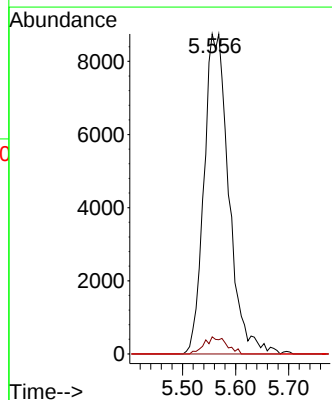
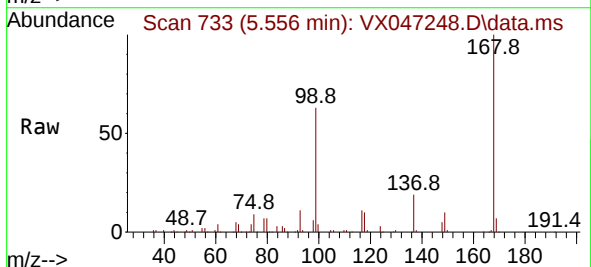
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

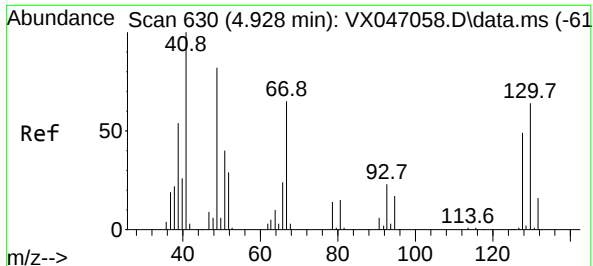
Tgt Ion: 43 Resp: 66150
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.3 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.503 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 117 Resp: 28402
Ion Ratio Lower Upper
117 100
119 5.3 76.6 115.0#
121 0.0 24.4 36.6#

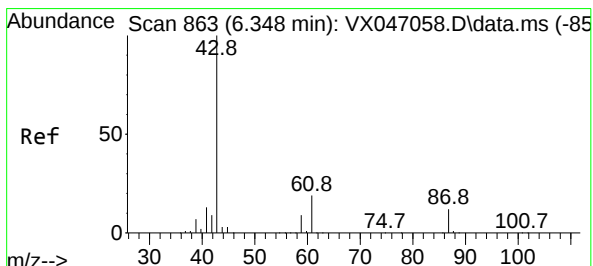
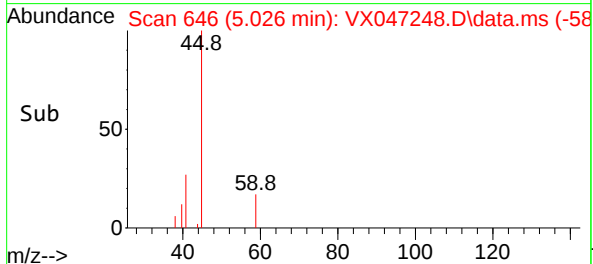
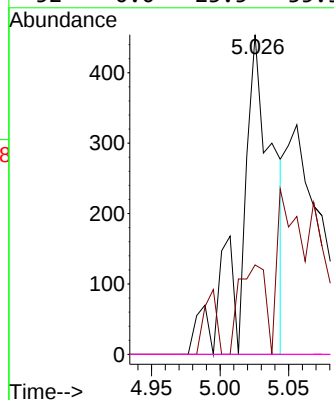
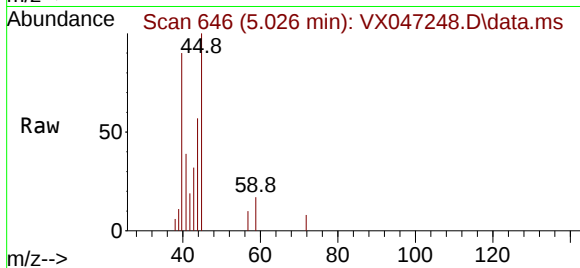




#41
Methacrylonitrile
Concen: 0.320 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

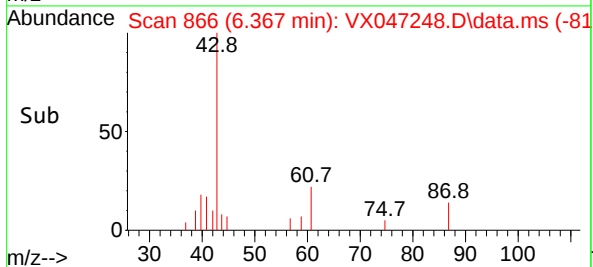
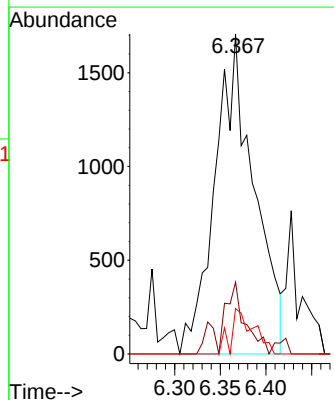
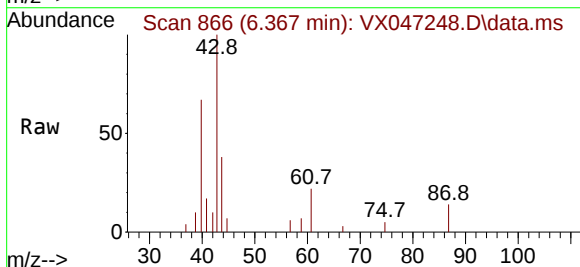
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

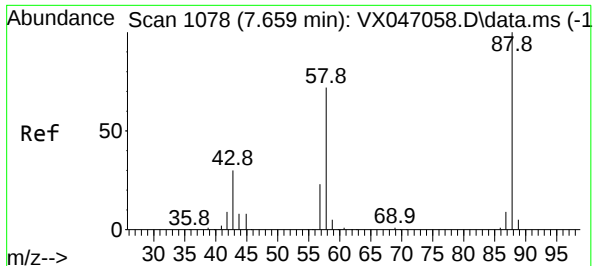
Tgt Ion:	41	Resp:	745
Ion	Ratio	Lower	Upper
41	100		
39	22.7	44.2	66.2#
67	0.0	56.4	84.6#
52	0.0	23.5	35.3#



#43
Isopropyl Acetate
Concen: 0.729 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.019 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion:	43	Resp:	5061
Ion	Ratio	Lower	Upper
43	100		
61	11.0	15.1	22.7#
87	8.2	9.7	14.5#





#49

1,4-Dioxane

Concen: 0.651 ug/l

RT: 7.751 min Scan# 1093

Delta R.T. 0.092 min

Lab File: VX047248.D

Acq: 06 Aug 2025 15:33

Instrument :

MSVOA_X

ClientSampleId :

SOLID-DRUMS

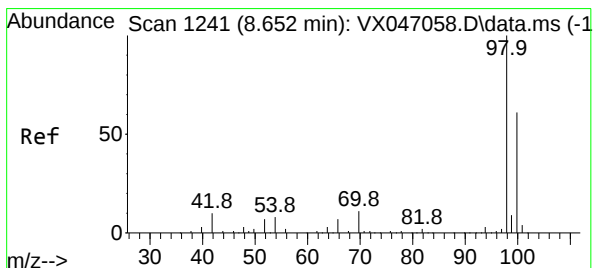
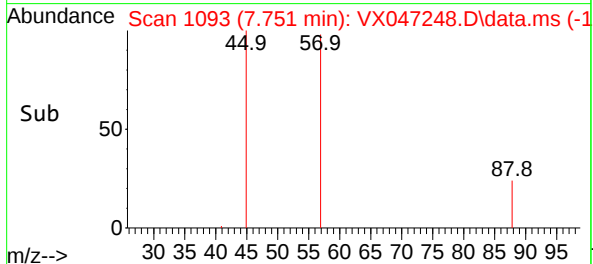
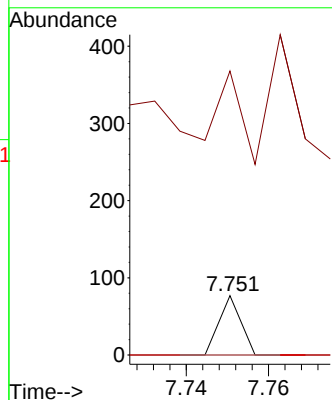
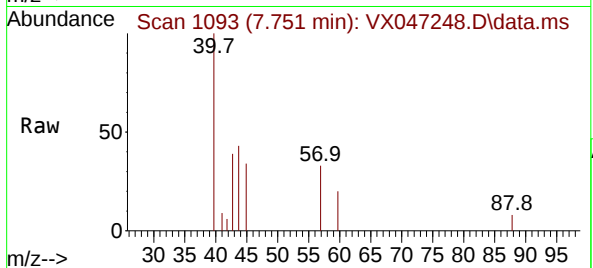
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 0.0 33.6 50.4#

58 0.0 58.8 88.2#



#50

Toluene-d8

Concen: 52.670 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047248.D

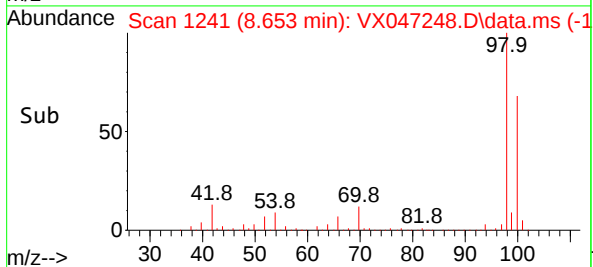
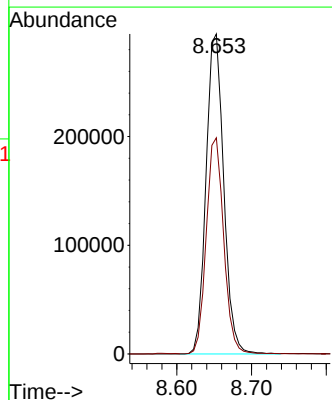
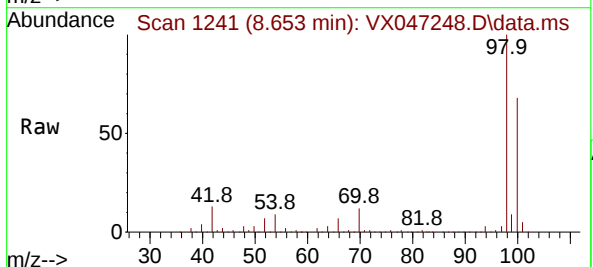
Acq: 06 Aug 2025 15:33

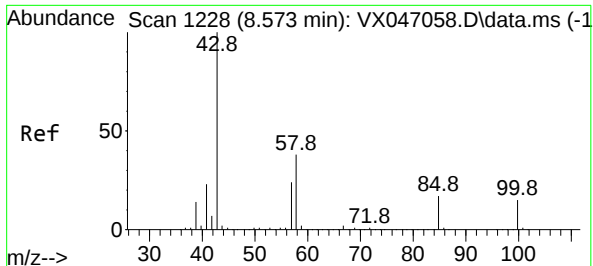
Tgt Ion: 98 Resp: 483876

Ion Ratio Lower Upper

98 100

100 66.7 53.3 79.9

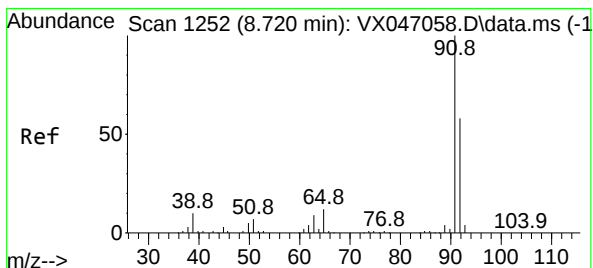
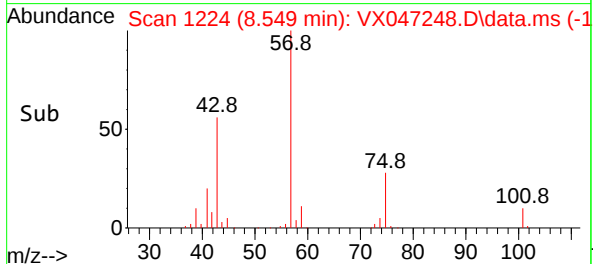
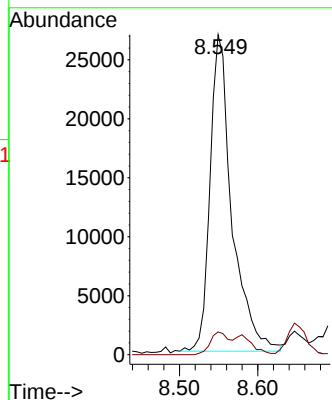
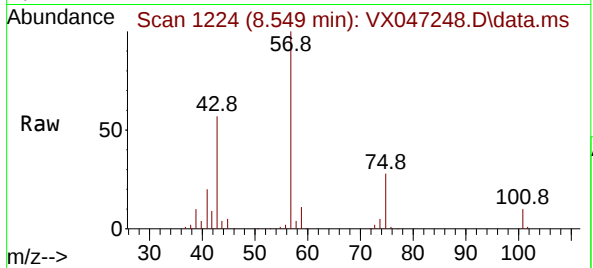




#51
4-Methyl-2-Pentanone
Concen: 12.594 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

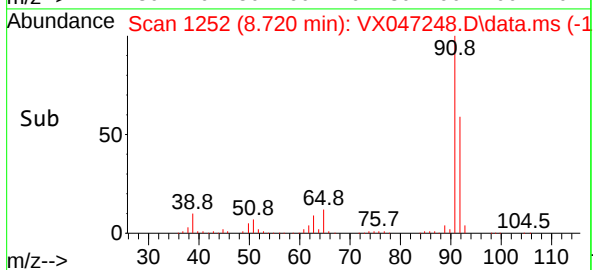
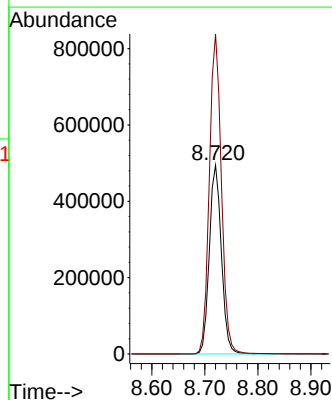
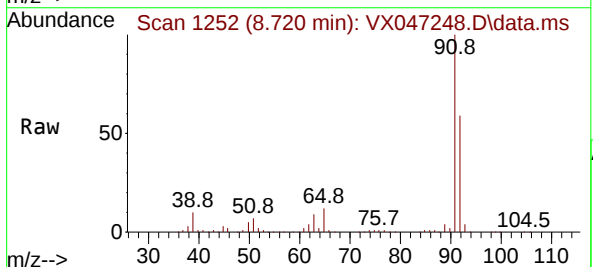
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

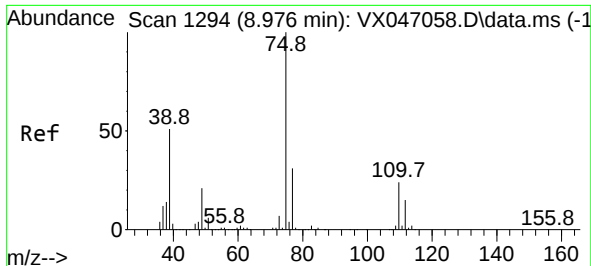
Tgt Ion: 43 Resp: 51999
Ion Ratio Lower Upper
43 100
58 6.3 30.6 45.8#



#52
Toluene
Concen: 90.359 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 92 Resp: 777509
Ion Ratio Lower Upper
92 100
91 169.6 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 1.936 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.256 min

Lab File: VX047248.D

Acq: 06 Aug 2025 15:33

Instrument :

MSVOA_X

ClientSampleId :

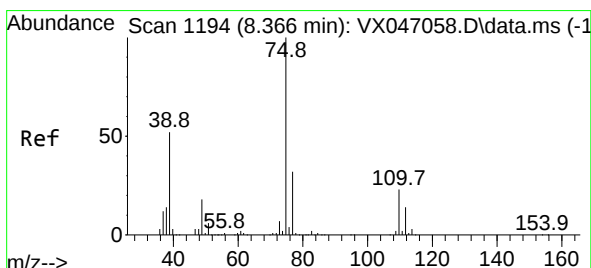
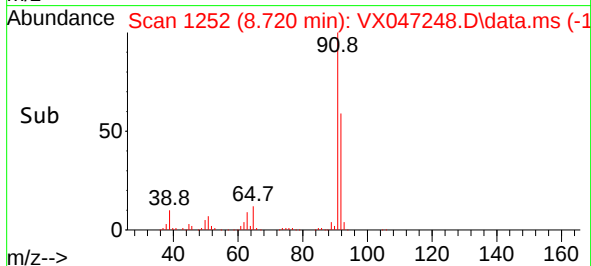
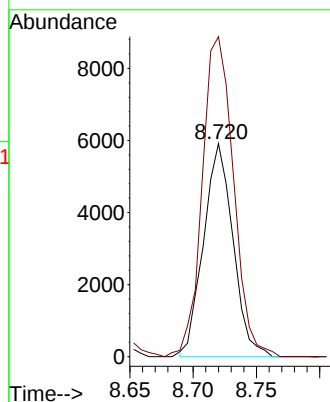
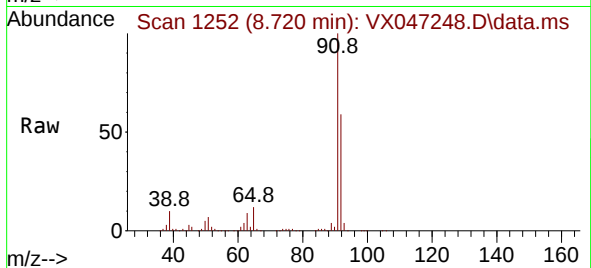
SOLID-DRUMS

Tgt Ion: 75 Resp: 9565

Ion Ratio Lower Upper

75 100

77 150.1 24.5 36.7#



#54

cis-1,3-Dichloropropene

Concen: 4.153 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX047248.D

Acq: 06 Aug 2025 15:33

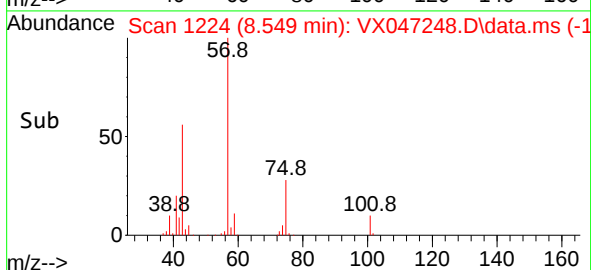
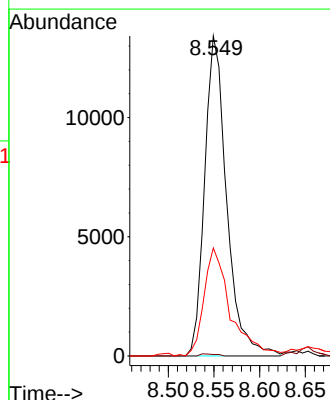
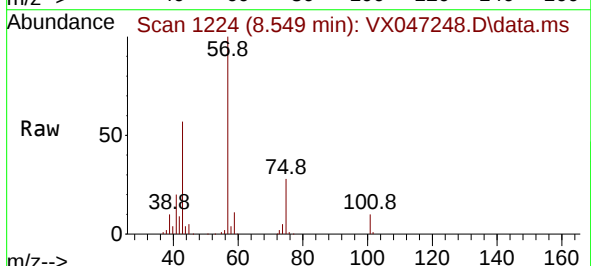
Tgt Ion: 75 Resp: 22455

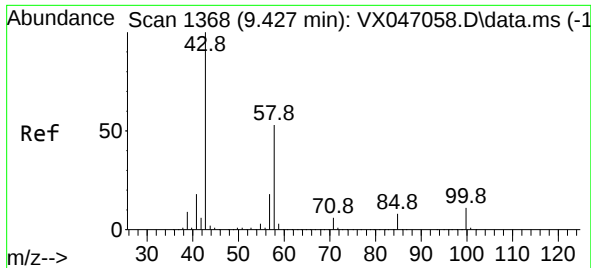
Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

39 26.4 41.8 62.6#

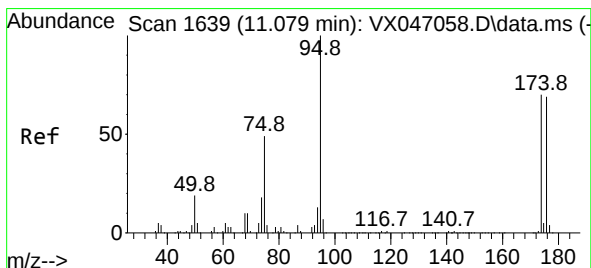
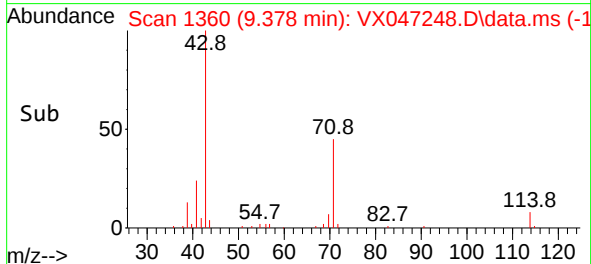
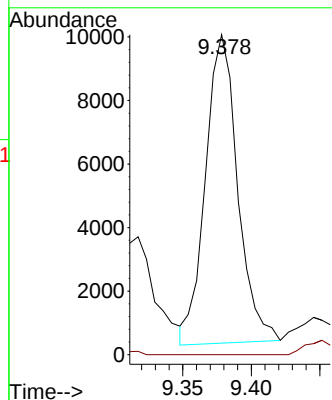
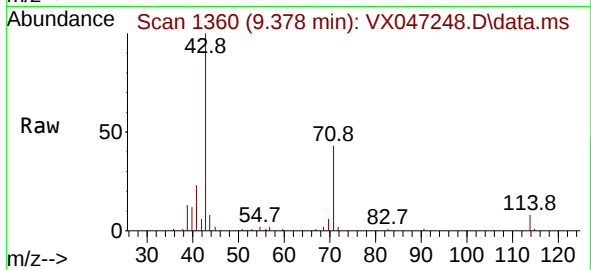




#59
2-Hexanone
Concen: 5.814 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

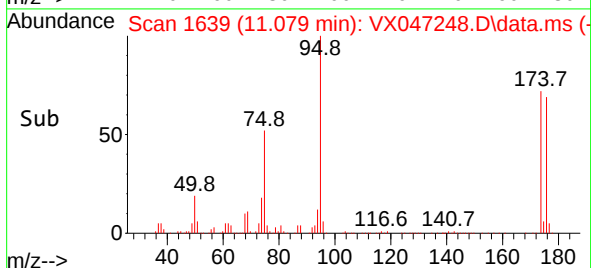
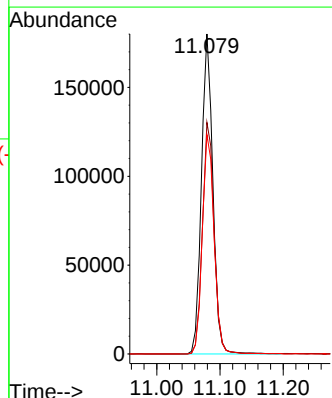
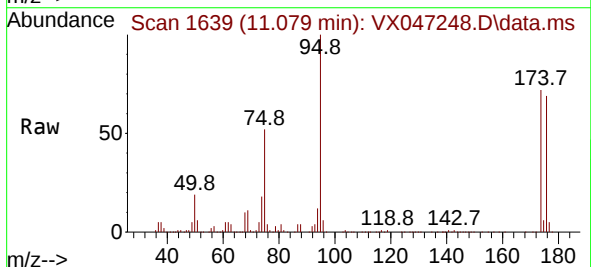
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

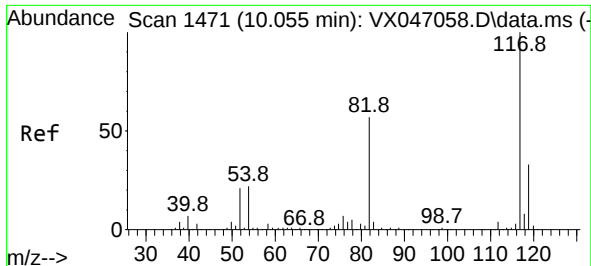
Tgt Ion: 43 Resp: 15860
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 57.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 95 Resp: 226219
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 71.0 0.0 139.6

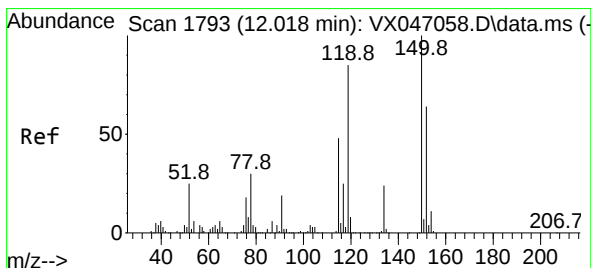
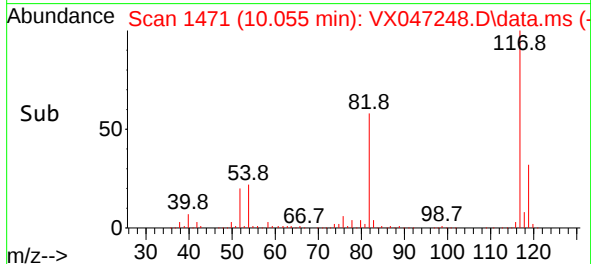
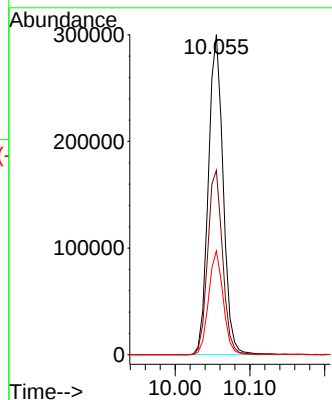
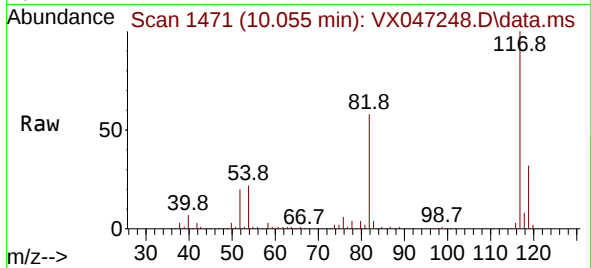




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

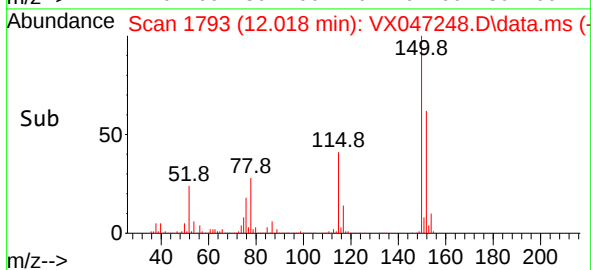
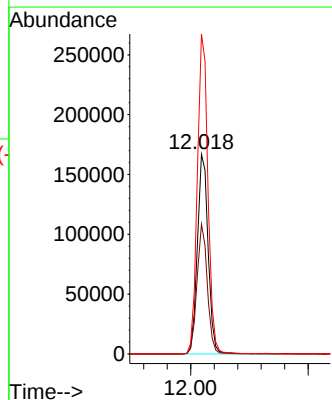
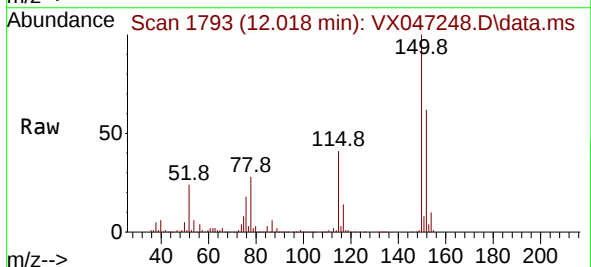
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

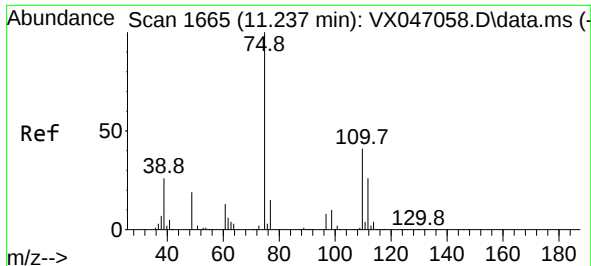
Tgt Ion:117 Resp: 412697
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.2
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion:152 Resp: 212489
Ion Ratio Lower Upper
152 100
115 62.7 45.6 136.7
150 158.0 0.0 354.6

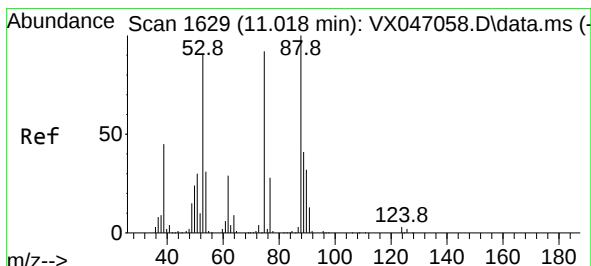
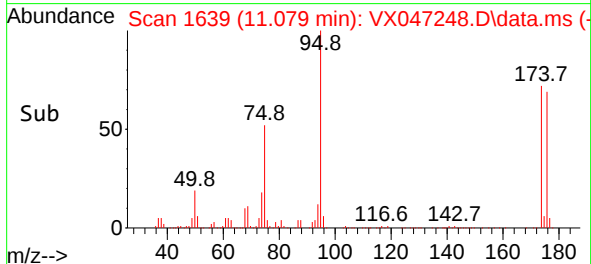
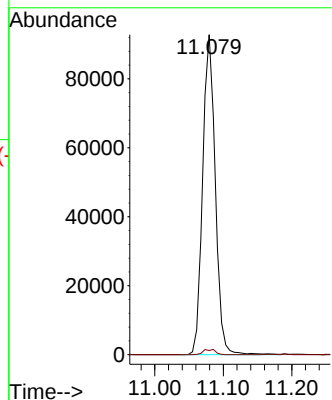
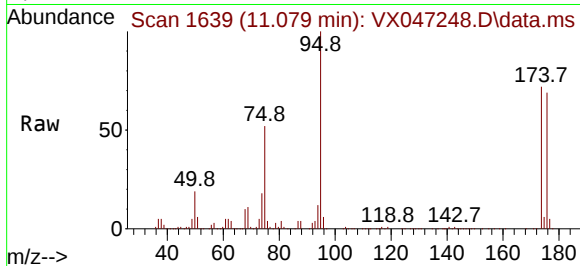




#76
1,2,3-Trichloropropane
Concen: 30.336 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

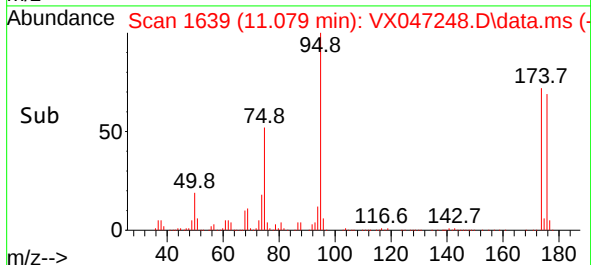
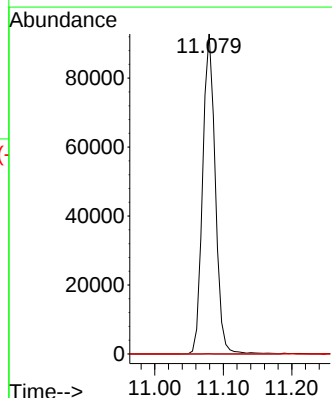
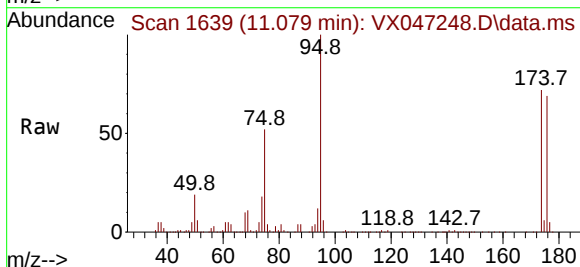
Instrument :
MSVOA_X
ClientSampleId :
SOLID-DRUMS

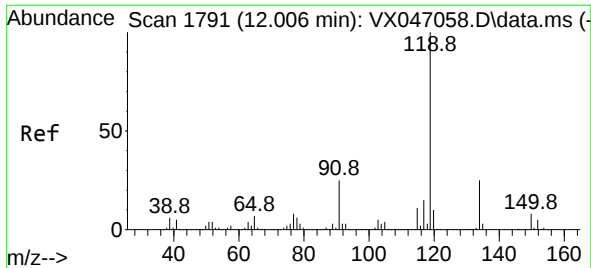
Tgt Ion: 75 Resp: 119313
Ion Ratio Lower Upper
75 100
77 1.6 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.157 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047248.D
Acq: 06 Aug 2025 15:33

Tgt Ion: 75 Resp: 119313
Ion Ratio Lower Upper
75 100
53 0.1 84.2 126.4#
89 0.0 36.0 54.0#

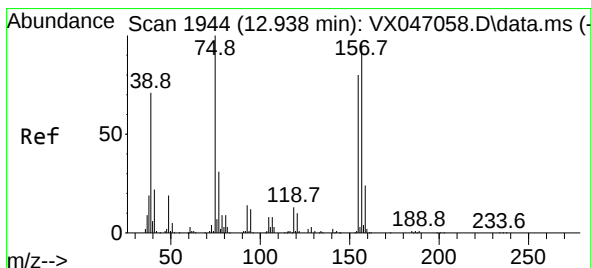
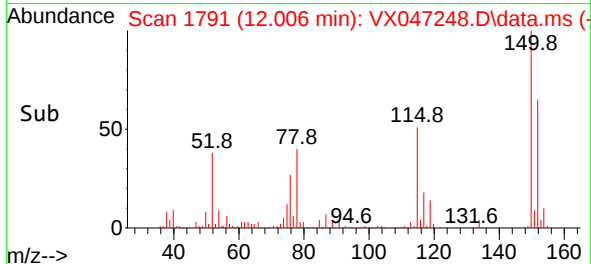
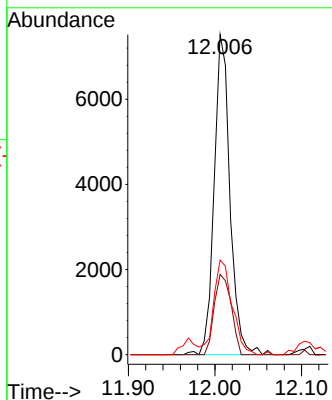
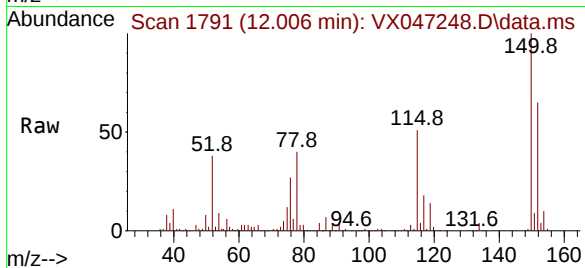




#86
 p-Isopropyltoluene
 Concen: 0.662 ug/l
 RT: 12.006 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VX047248.D
 Acq: 06 Aug 2025 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SOLID-DRUMS

Tgt Ion:	119	Resp:	9539
Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.8	38.4
91	34.5	12.4	37.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.404 ug/l
 RT: 12.762 min Scan# 1915
 Delta R.T. -0.176 min
 Lab File: VX047248.D
 Acq: 06 Aug 2025 15:33

Tgt Ion:	75	Resp:	371
Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.3	124.1#
157	0.0	52.8	158.3#

