

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047942.D
 Acq On : 01 Oct 2025 15:50
 Operator : JC/MD
 Sample : Q3193-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT17411-20250924

Quant Time: Oct 03 01:24:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

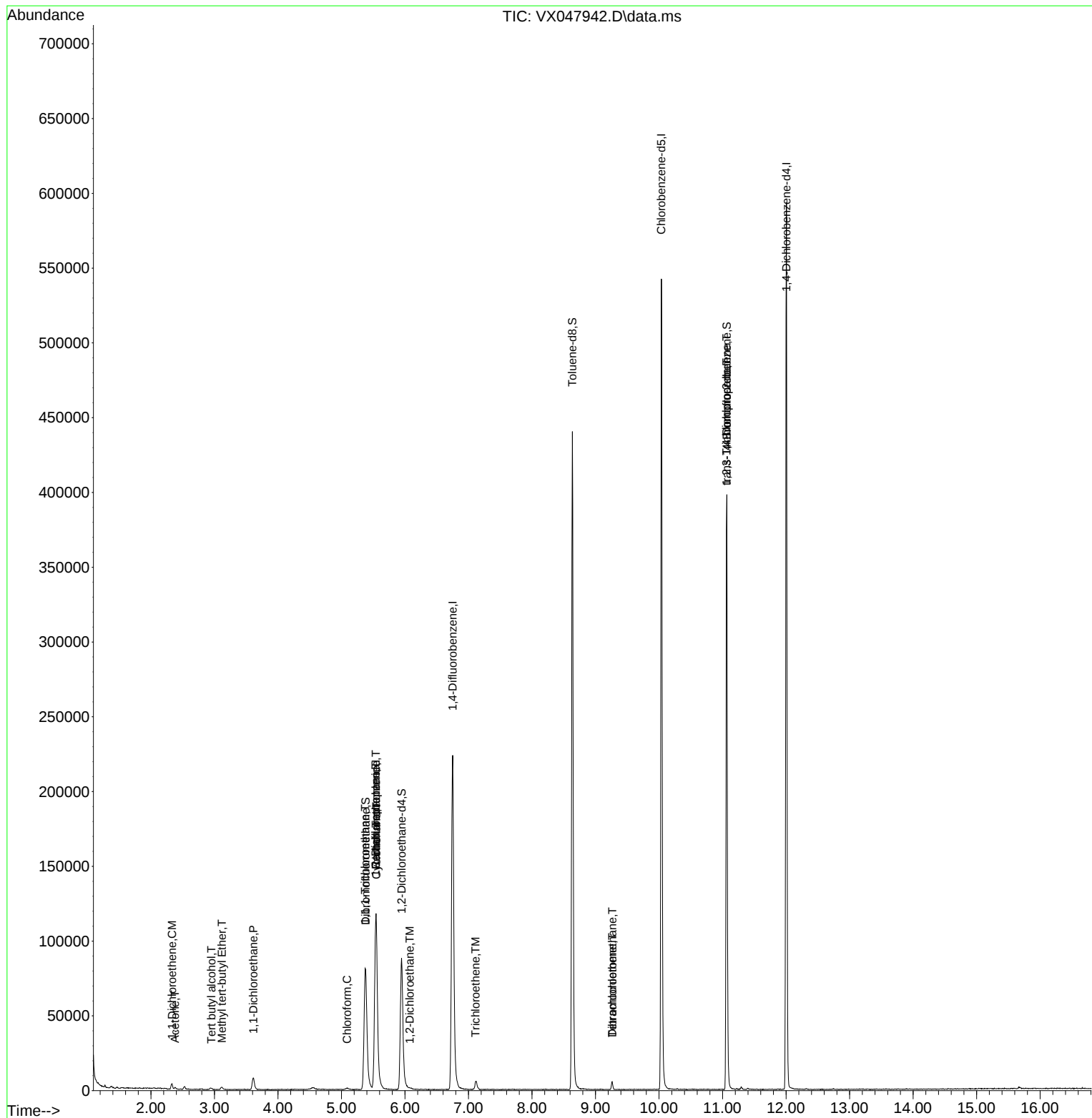
Internal Standards						
1) Pentafluorobenzene	5.544	168	118608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	242382	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	250160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	94847	50.238	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.480%			
35) Dibromofluoromethane	5.379	113	79617	48.979	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.960%			
50) Toluene-d8	8.635	98	269894	47.984	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.960%			
62) 4-Bromofluorobenzene	11.067	95	113615	53.223	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	429	2.040	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	1496	1.062	ug/l	89
16) Acetone	2.380	43	1697	2.067	ug/l #	85
19) Methyl tert-butyl Ether	3.117	73	1972	0.383	ug/l	93
24) 1,1-Dichloroethane	3.611	63	10503	3.506	ug/l	98
30) Chloroform	5.086	83	1371	0.453	ug/l #	64
31) Cyclohexane	5.550	56	2575	1.032	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	698	0.272	ug/l #	49
36) 1,1-Dichloropropene	5.538	75	10147	4.272	ug/l #	51
38) Carbon Tetrachloride	5.544	117	12747	4.939	ug/l #	20
42) 1,2-Dichloroethane	6.074	62	650	0.237	ug/l #	76
44) Trichloroethene	7.111	130	2666	1.529	ug/l	95
60) Dibromochloromethane	9.263	129	1007	0.510	ug/l #	11
64) Tetrachloroethene	9.263	164	894	0.548	ug/l	87
76) 1,2,3-Trichloropropane	11.061	75	59963	23.995	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	59963	61.191	ug/l #	8

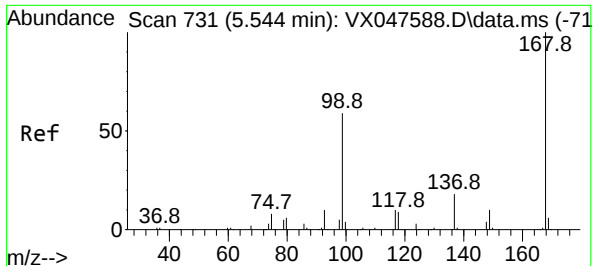
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX047942.D
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20250924

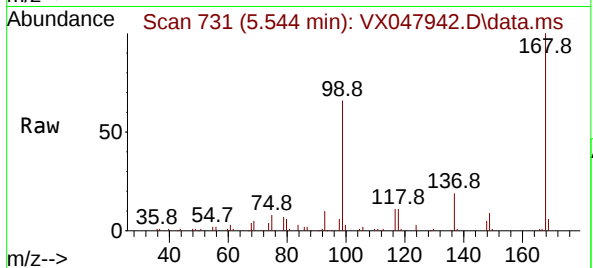
Quant Time: Oct 03 01:24:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



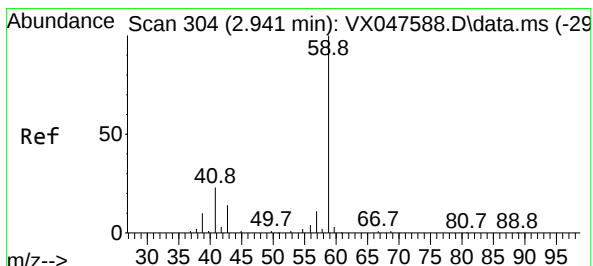
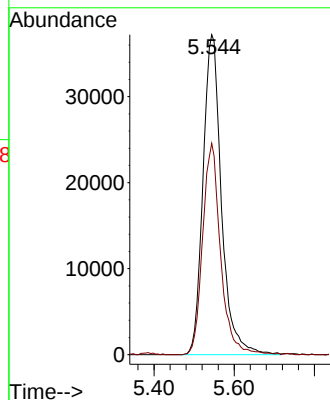
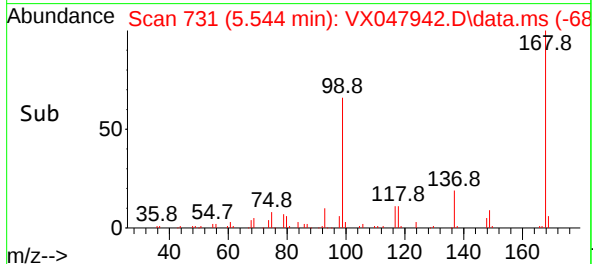


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

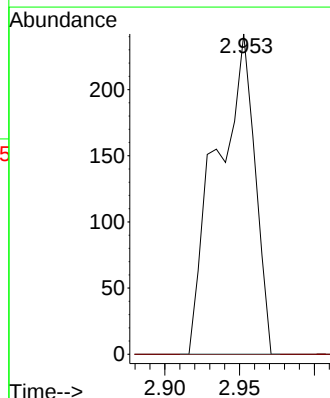
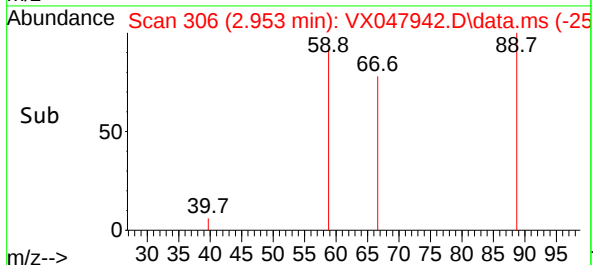
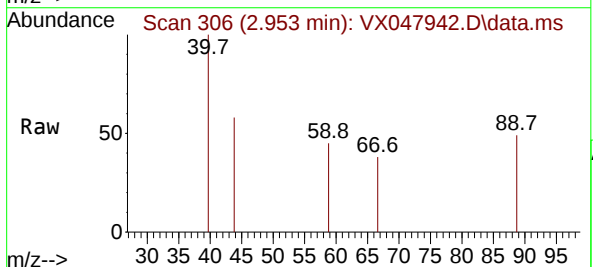


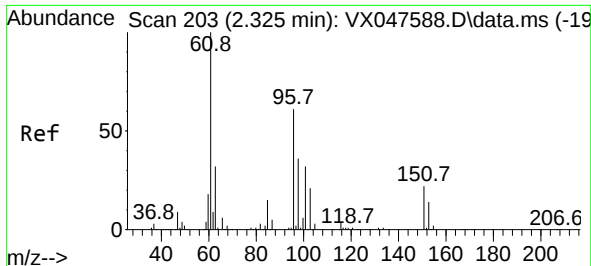
Tgt Ion:168 Resp: 118608
Ion Ratio Lower Upper
168 100
99 66.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 2.040 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

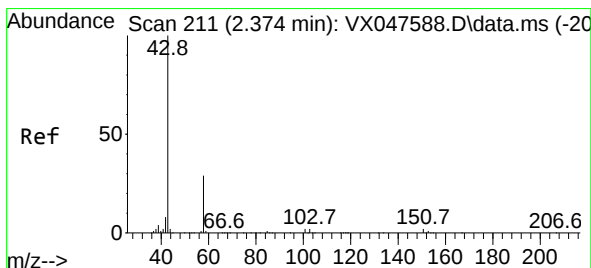
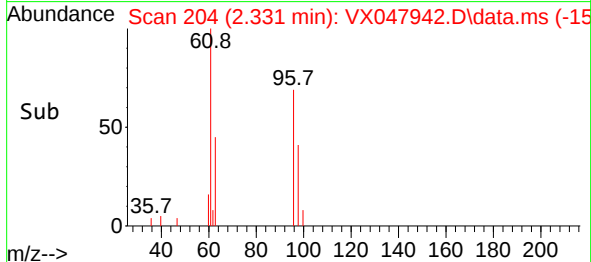
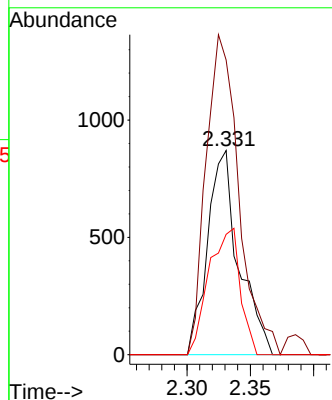
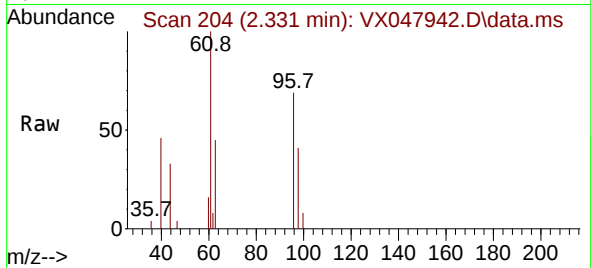




#12
1,1-Dichloroethene
Concen: 1.062 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

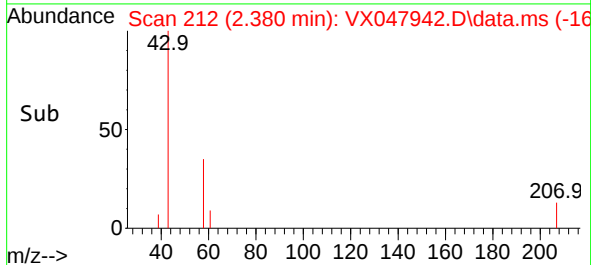
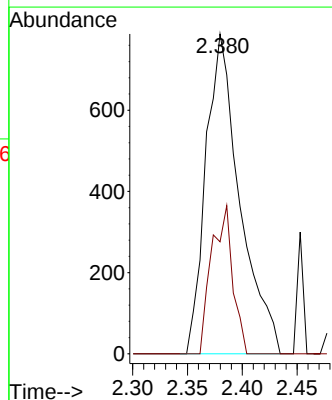
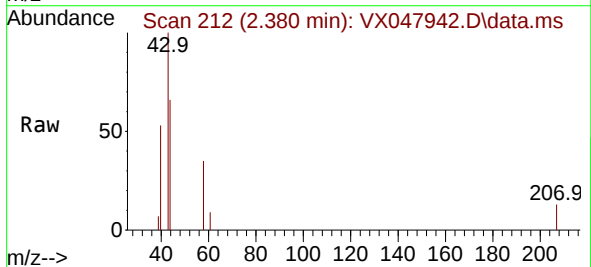
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

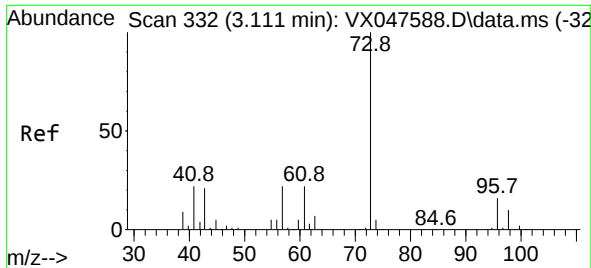
Tgt Ion: 96 Resp: 1496
Ion Ratio Lower Upper
96 100
61 144.4 131.0 196.6
98 59.0 47.7 71.5



#16
Acetone
Concen: 2.067 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
58 21.1 23.4 35.0#

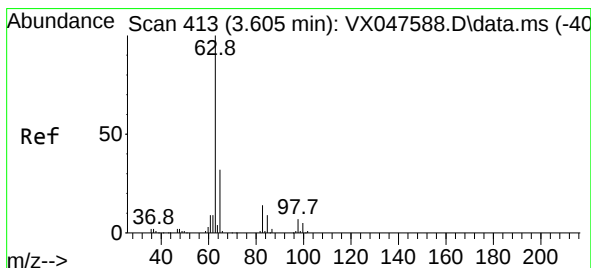
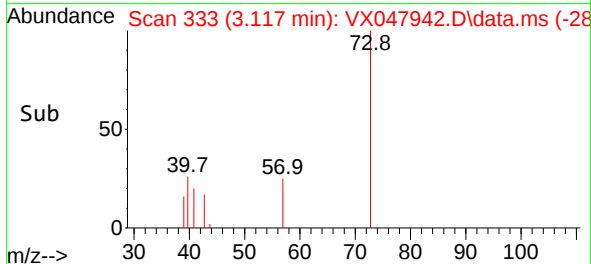
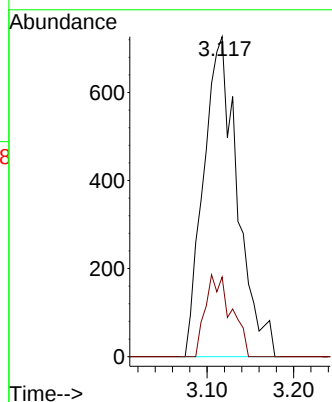
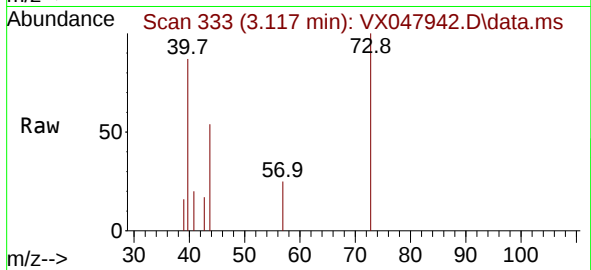




#19
Methyl tert-butyl Ether
Concen: 0.383 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

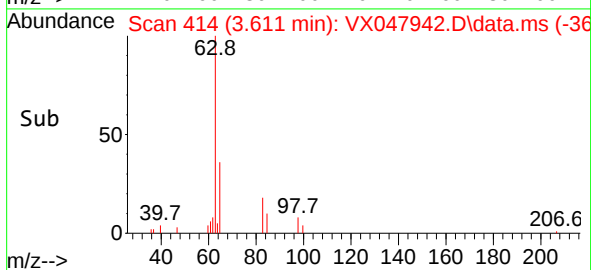
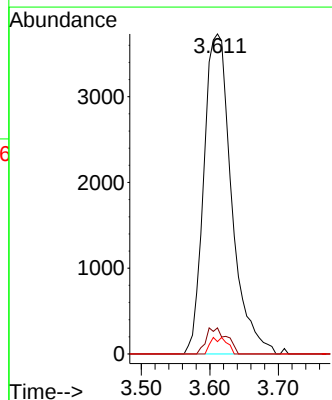
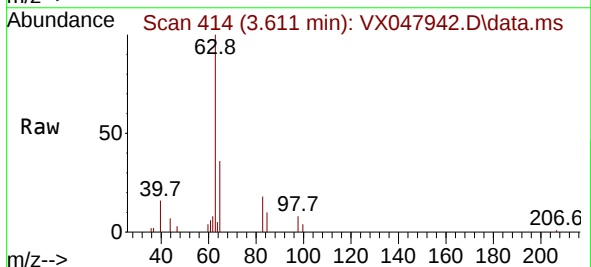
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

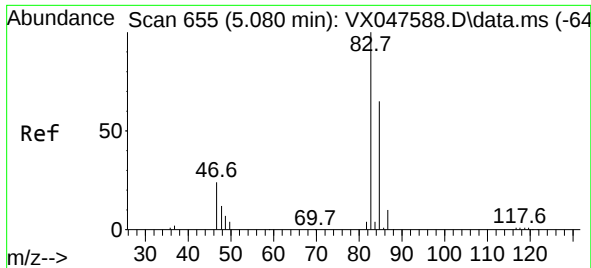
Tgt Ion: 73 Resp: 1972
Ion Ratio Lower Upper
73 100
57 24.9 17.4 26.2



#24
1,1-Dichloroethane
Concen: 3.506 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 63 Resp: 10503
Ion Ratio Lower Upper
63 100
98 8.2 3.8 11.2
100 3.9 2.3 6.9

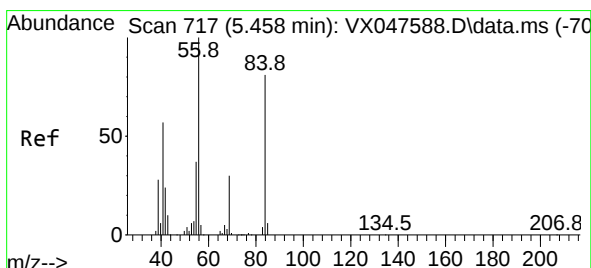
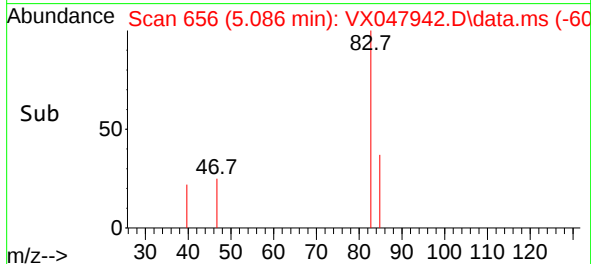
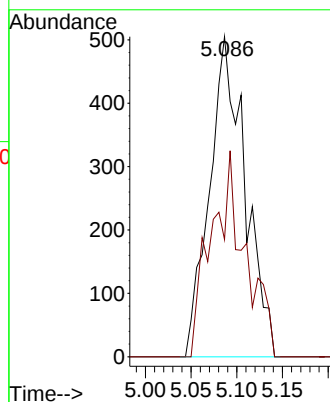
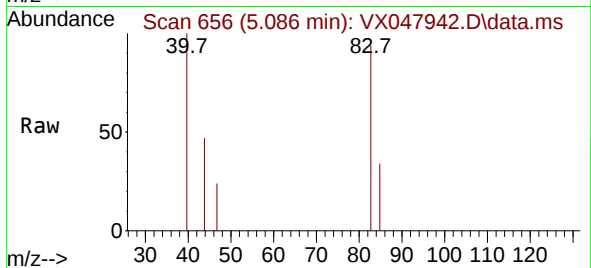




#30
Chloroform
Concen: 0.453 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

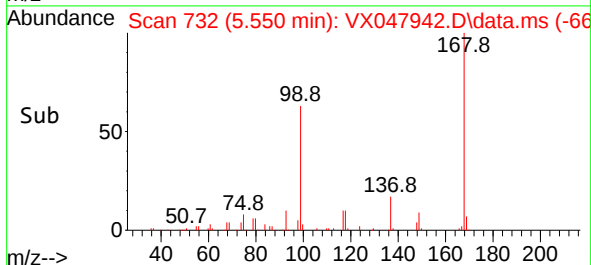
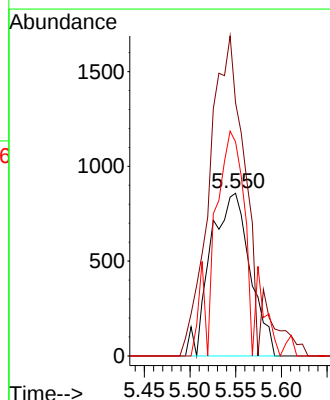
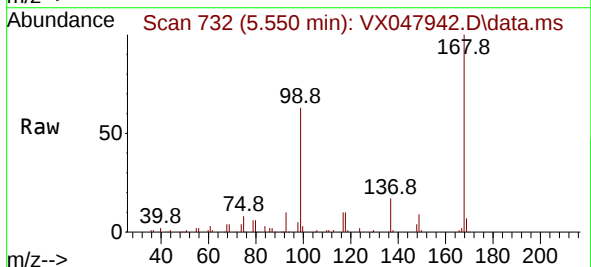
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

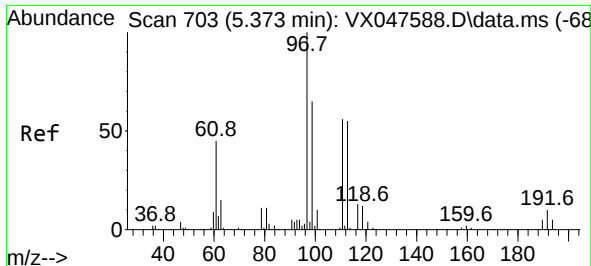
Tgt Ion: 83 Resp: 1371
Ion Ratio Lower Upper
83 100
85 36.6 51.8 77.6#



#31
Cyclohexane
Concen: 1.032 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 56 Resp: 2575
Ion Ratio Lower Upper
56 100
69 155.6 23.8 35.8#
84 131.6 64.6 97.0#

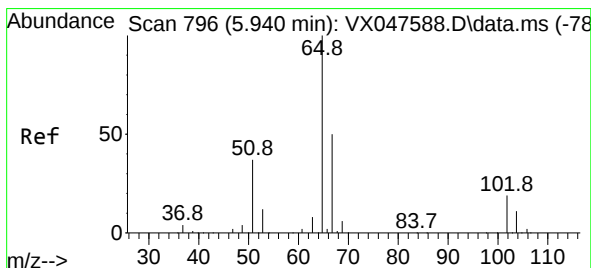
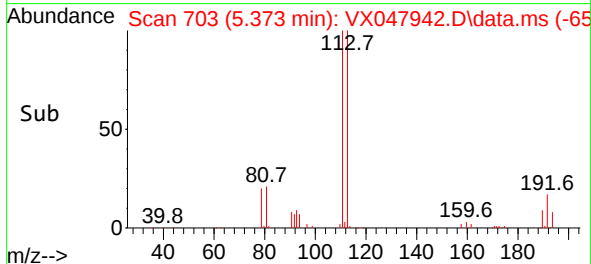
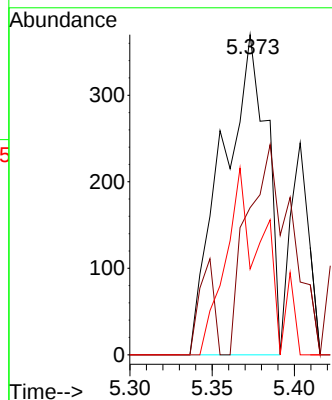
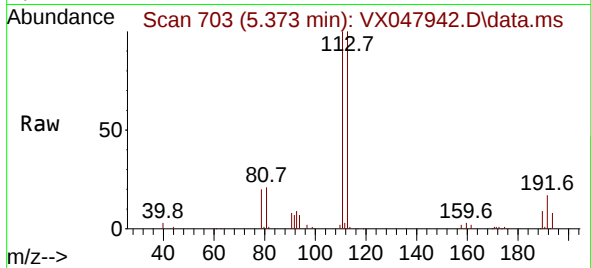




#32
 1,1,1-Trichloroethane
 Concen: 0.272 ug/l
 RT: 5.373 min Scan# 703
 Delta R.T. -0.000 min
 Lab File: VX047942.D
 Acq: 01 Oct 2025 15:50

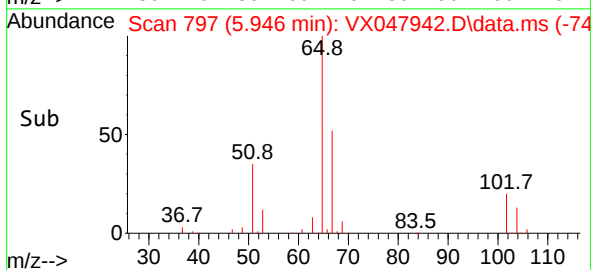
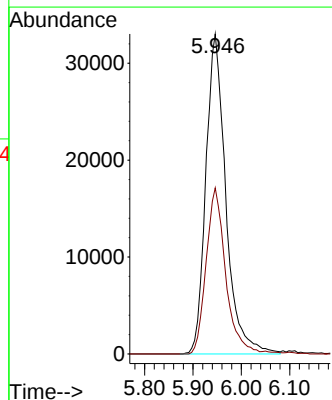
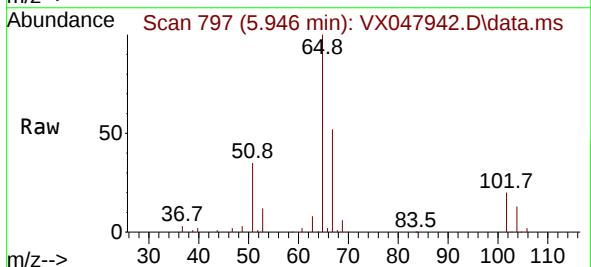
Instrument :
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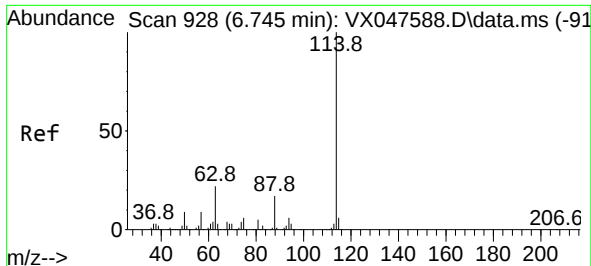
Tgt Ion: 97 Resp: 698
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.6 76.0#
 61 50.3 35.8 53.8



#33
 1,2-Dichloroethane-d4
 Concen: 50.238 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX047942.D
 Acq: 01 Oct 2025 15:50

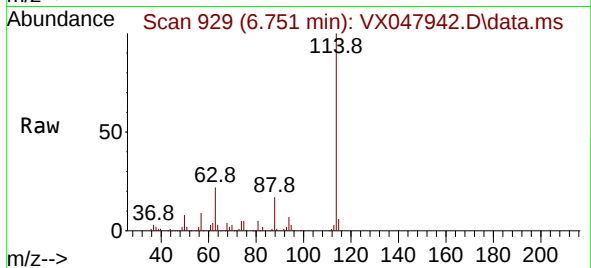
Tgt Ion: 65 Resp: 94847
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.0



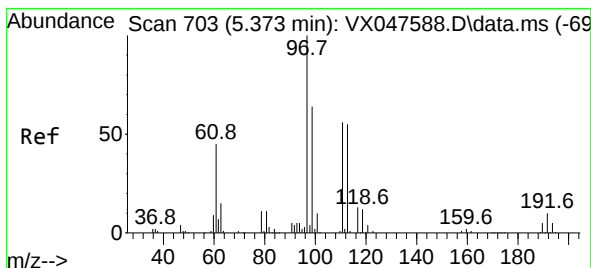
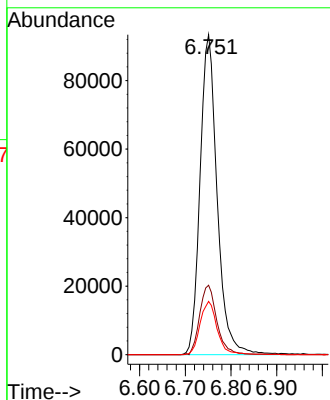
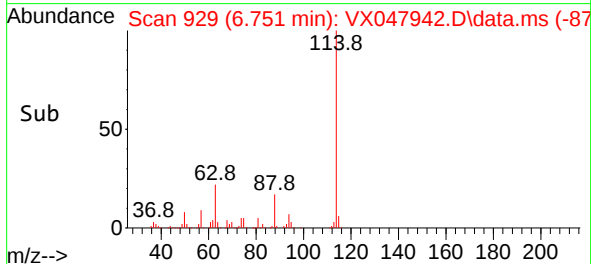


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

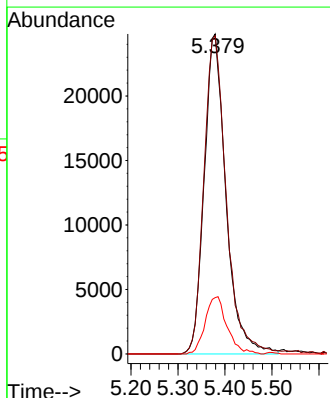
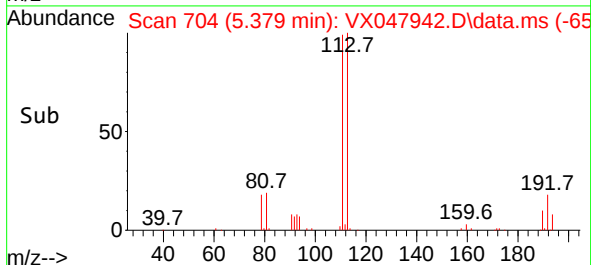
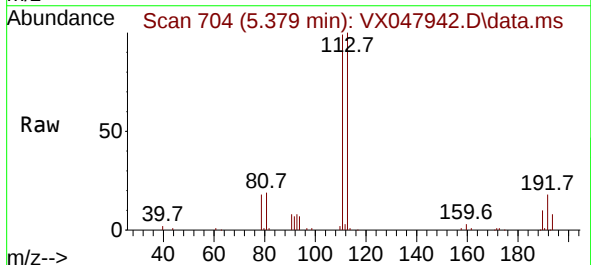


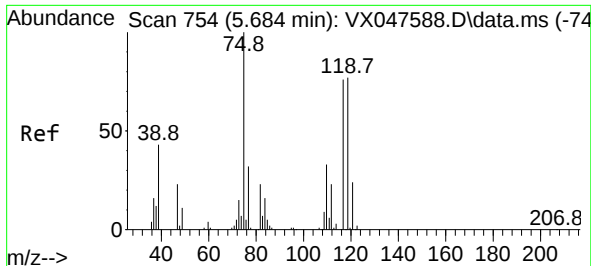
Tgt Ion:114 Resp: 242382
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 16.7 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.979 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion:113 Resp: 79617
Ion Ratio Lower Upper
113 100
111 102.3 80.9 121.3
192 18.0 14.2 21.4

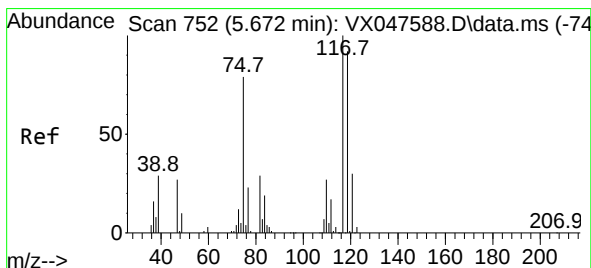
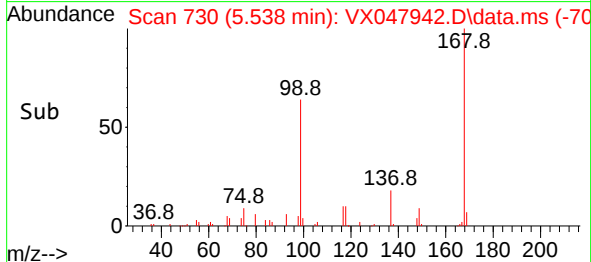
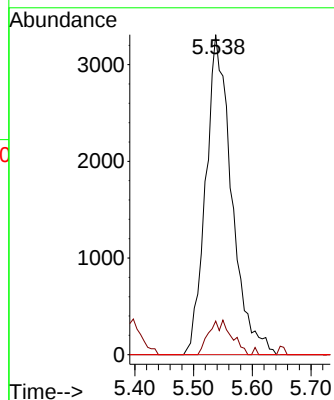
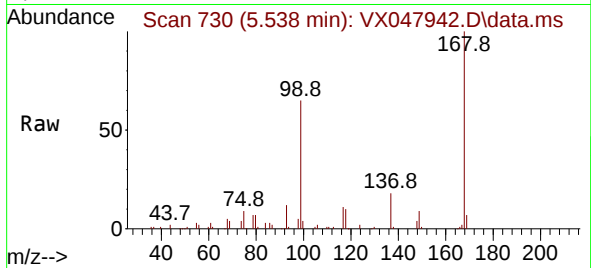




#36
1,1-Dichloropropene
Concen: 4.272 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

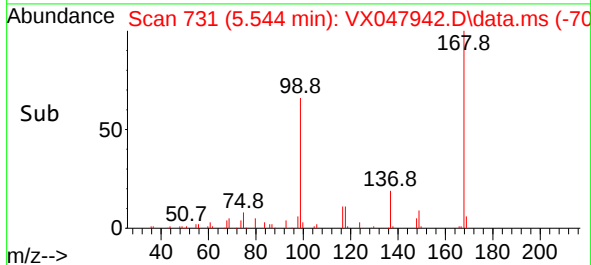
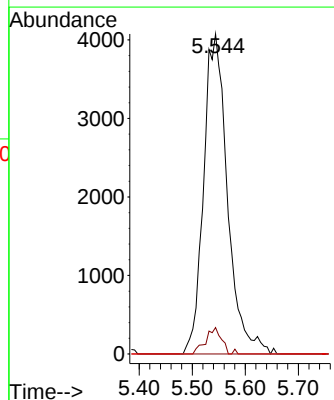
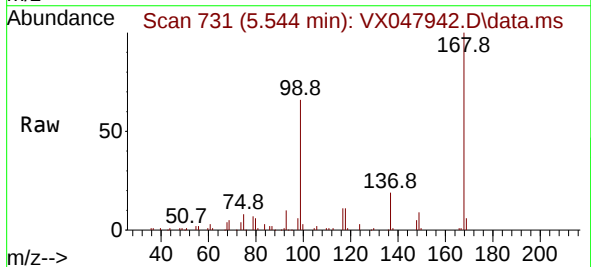
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

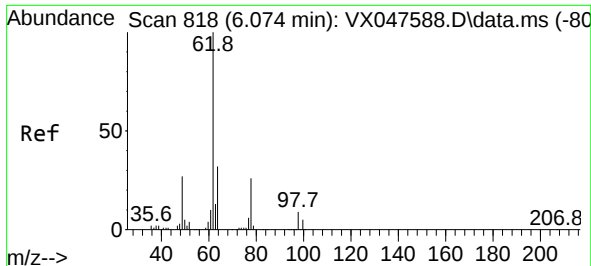
Tgt Ion: 75 Resp: 10147
Ion Ratio Lower Upper
75 100
110 9.4 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.939 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 117 Resp: 12747
Ion Ratio Lower Upper
117 100
119 8.3 73.4 110.2#
121 0.0 23.8 35.6#





#42

1,2-Dichloroethane

Concen: 0.237 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX047942.D

Acq: 01 Oct 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

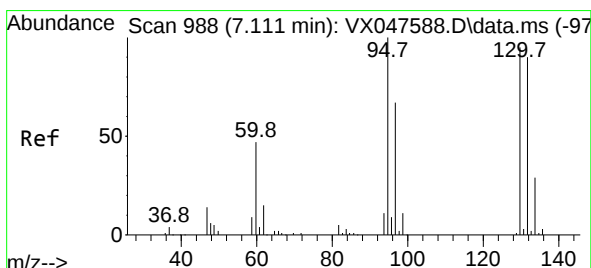
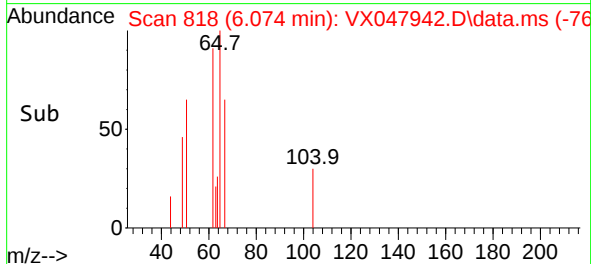
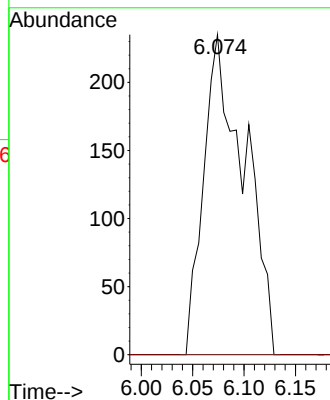
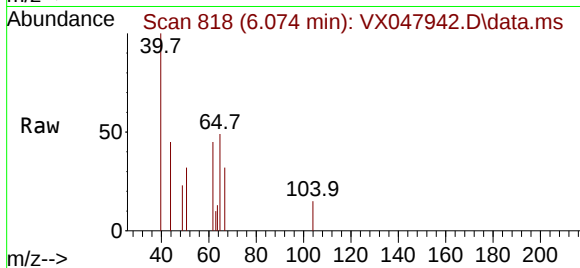
TT17411-20250924

Tgt Ion: 62 Resp: 650

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#44

Trichloroethene

Concen: 1.529 ug/l

RT: 7.111 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX047942.D

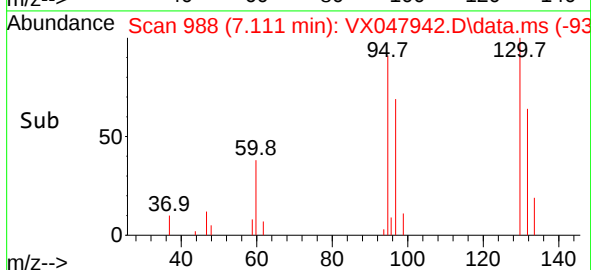
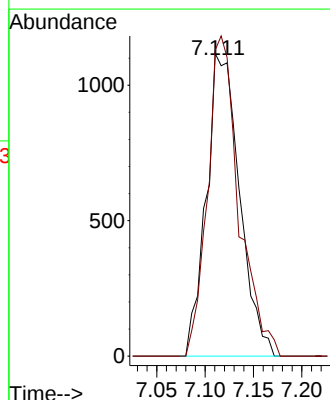
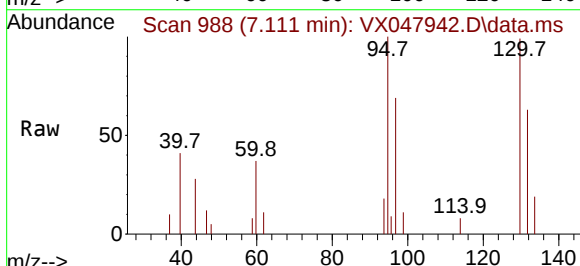
Acq: 01 Oct 2025 15:50

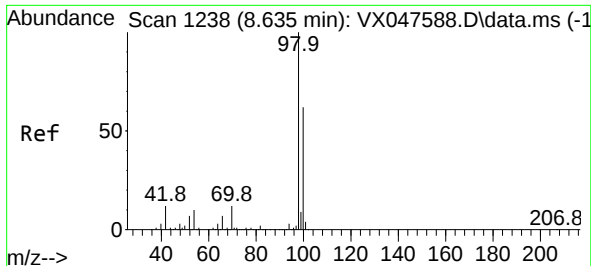
Tgt Ion: 130 Resp: 2666

Ion Ratio Lower Upper

130 100

95 110.2 0.0 210.8

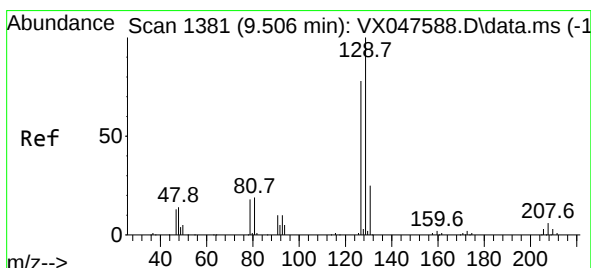
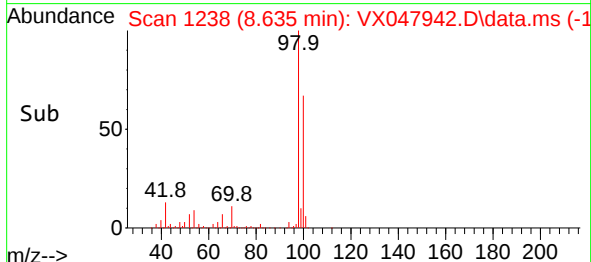
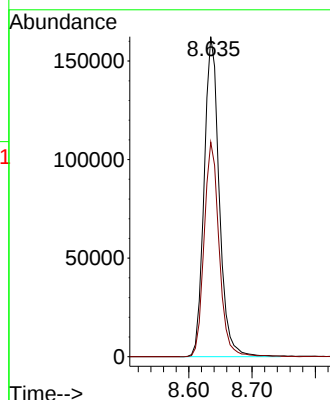
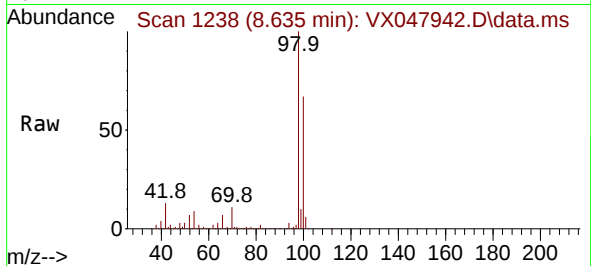




#50
Toluene-d8
Concen: 47.984 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

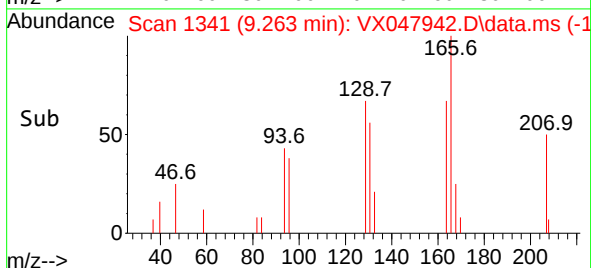
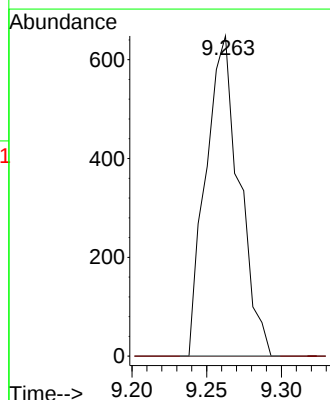
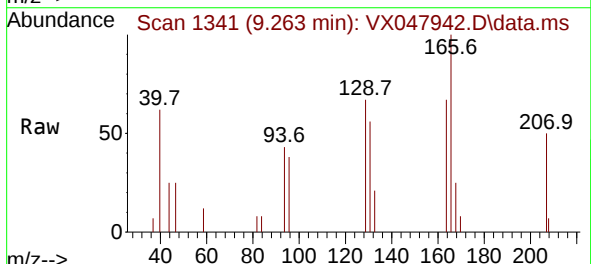
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

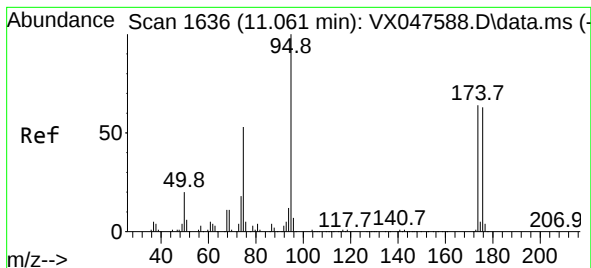
Tgt Ion: 98 Resp: 269894
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4



#60
Dibromochloromethane
Concen: 0.510 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 129 Resp: 1007
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

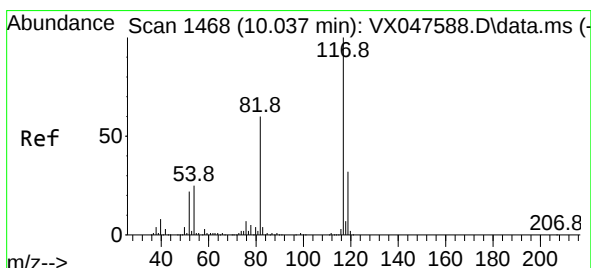
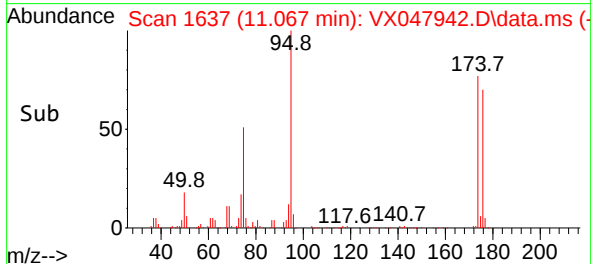
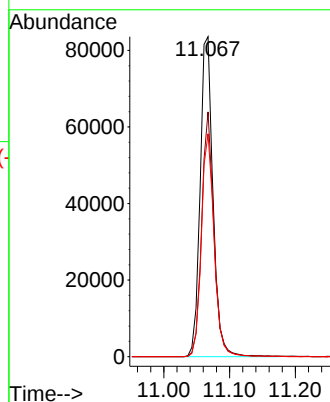
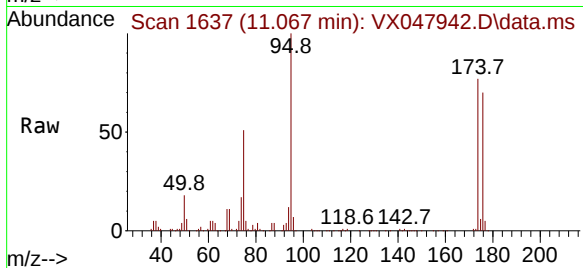




#62
4-Bromofluorobenzene
Concen: 53.223 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

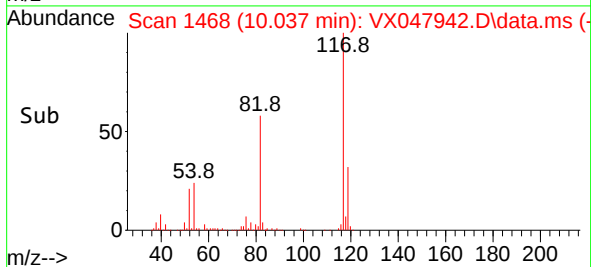
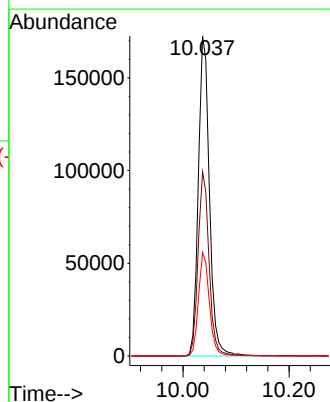
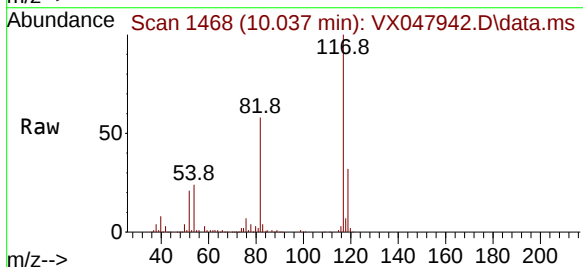
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

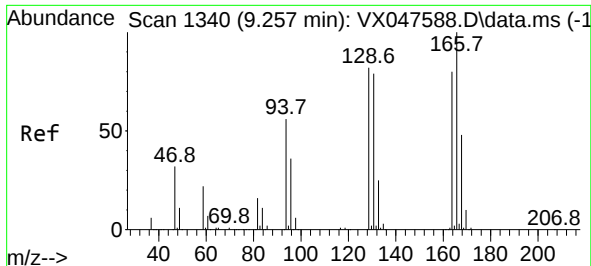
Tgt Ion: 95 Resp: 113615
Ion Ratio Lower Upper
95 100
174 73.1 0.0 141.6
176 68.9 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 117 Resp: 250160
Ion Ratio Lower Upper
117 100
82 57.6 47.8 71.6
119 32.2 25.2 37.8



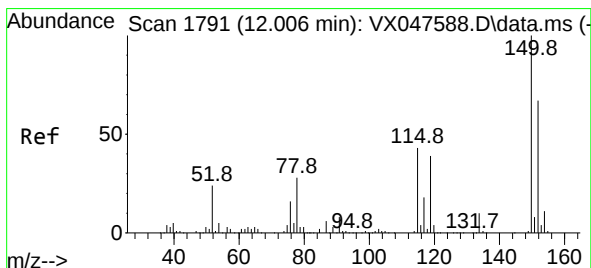
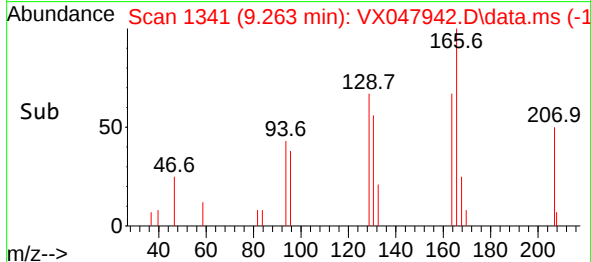
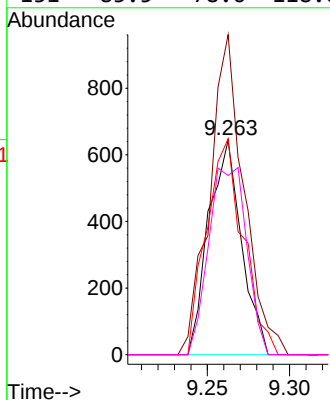
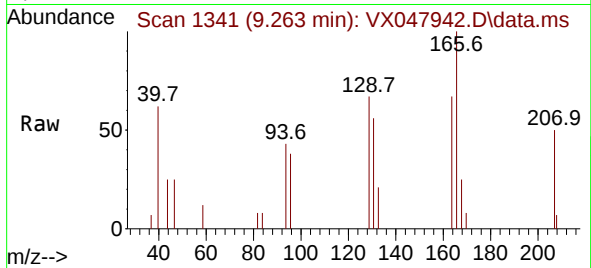


#64
Tetrachloroethene
Concen: 0.548 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

Tgt Ion:164 Resp: 894

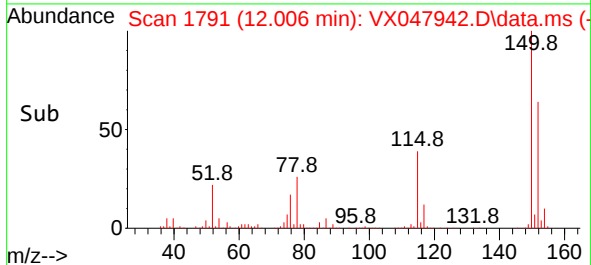
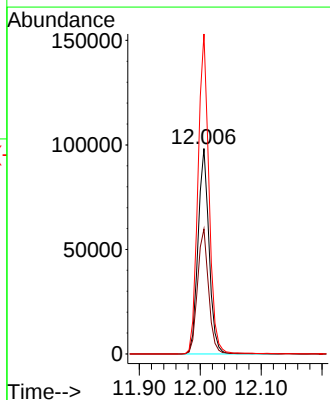
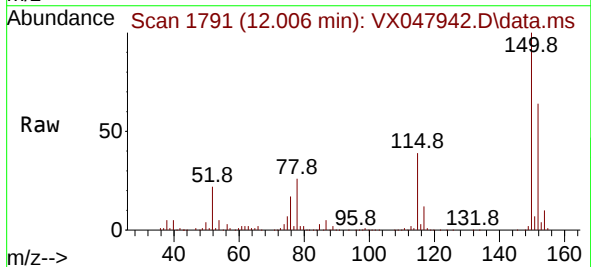
Ion	Ratio	Lower	Upper
164	100		
166	149.2	100.2	150.2
129	100.6	81.8	122.6
131	83.5	78.6	118.0

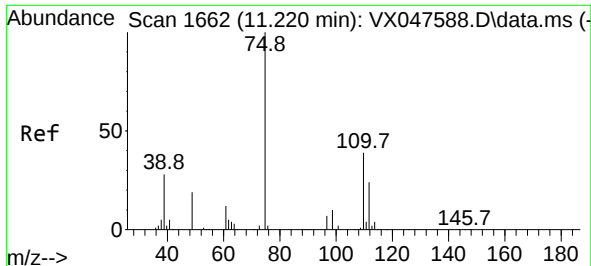


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion:152 Resp: 123424

Ion	Ratio	Lower	Upper
152	100		
115	61.1	44.9	134.5
150	155.8	0.0	352.0

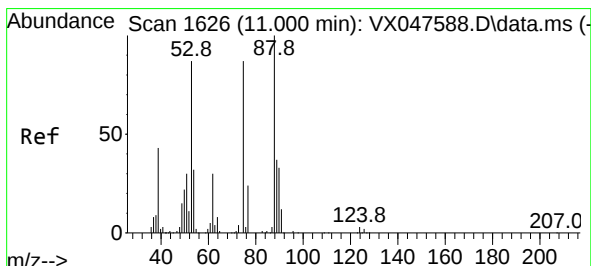
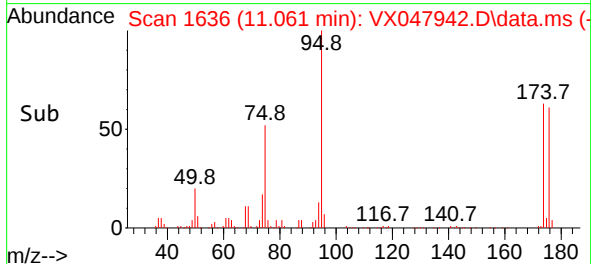
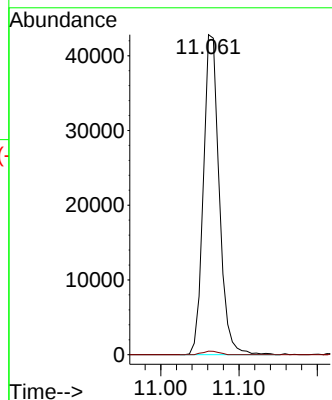
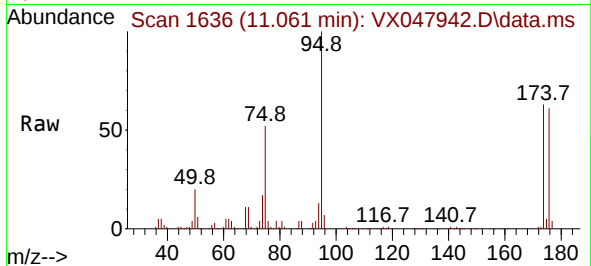




#76
1,2,3-Trichloropropane
Concen: 23.995 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20250924

Tgt Ion: 75 Resp: 59963
Ion Ratio Lower Upper
75 100
77 1.1 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.191 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047942.D
Acq: 01 Oct 2025 15:50

Tgt Ion: 75 Resp: 59963
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

