

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048171.D
 Acq On : 14 Oct 2025 16:56
 Operator : JC/MD
 Sample : Q3312-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 02:48:56 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)

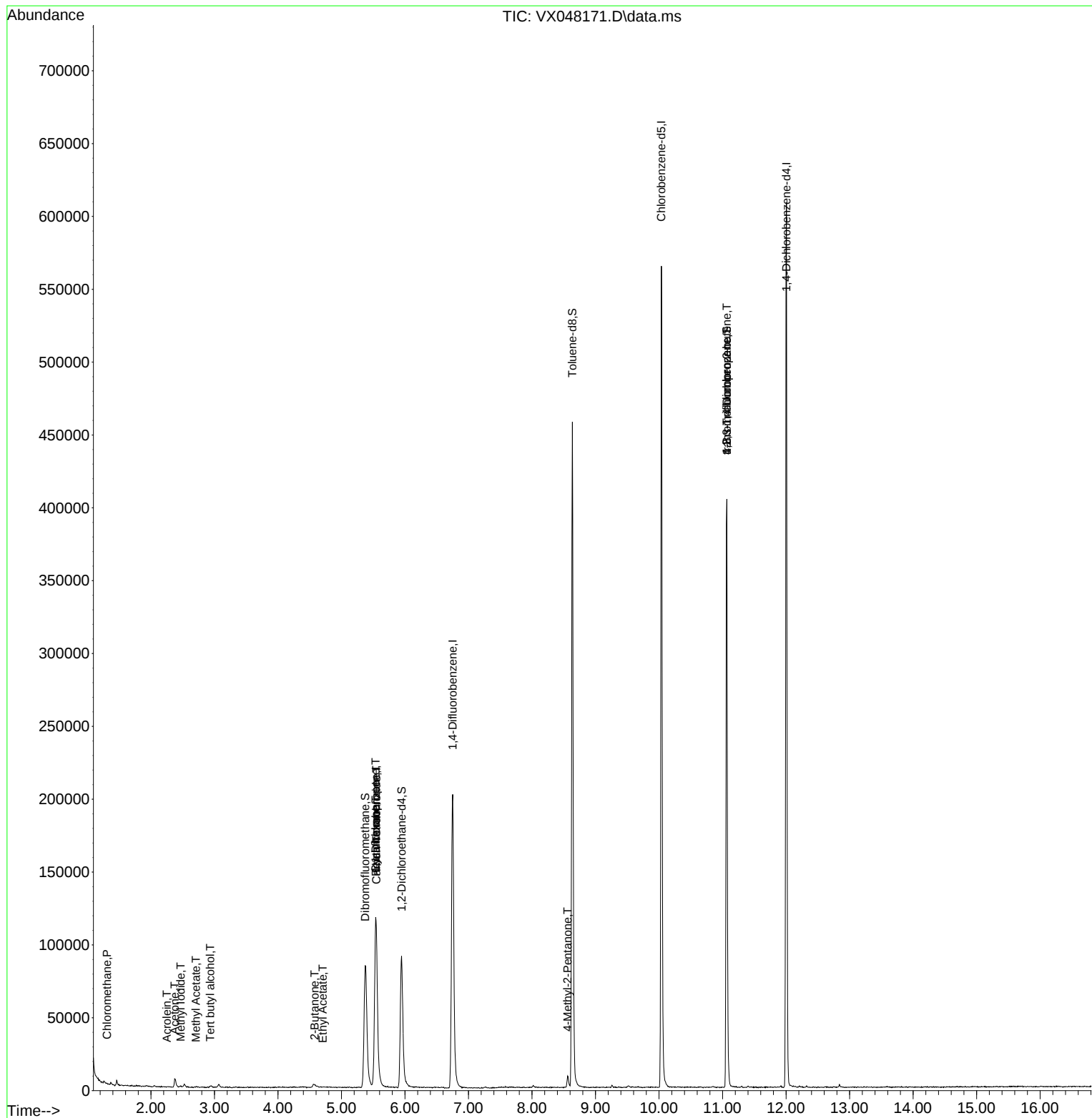
Internal Standards						
1) Pentafluorobenzene	5.544	168	116081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	223818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	253264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	128249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	98540	53.331	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.660%	
35) Dibromofluoromethane	5.373	113	82905	55.231	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.460%	
50) Toluene-d8	8.635	98	275177	52.981	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.960%	
62) 4-Bromofluorobenzene	11.067	95	117503	59.610	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	387	0.245	ug/l	96
10) Methyl Iodide	2.465	142	469	0.224	ug/l #	94
11) Tert butyl alcohol	2.934	59	601	2.921	ug/l #	72
13) Acrolein	2.252	56	63	0.332	ug/l #	69
16) Acetone	2.374	43	7614	9.477	ug/l #	87
18) Methyl Acetate	2.709	43	589	0.329	ug/l #	54
25) 2-Butanone	4.574	43	4715	4.705	ug/l #	90
31) Cyclohexane	5.538	56	2784	1.140	ug/l #	3
36) 1,1-Dichloropropene	5.538	75	10379	4.732	ug/l #	50
37) Ethyl Acetate	4.702	43	516	0.220	ug/l #	71
38) Carbon Tetrachloride	5.550	117	12657	5.311	ug/l #	18
51) 4-Methyl-2-Pentanone	8.561	43	5646	2.644	ug/l	97
76) 1,2,3-Trichloropropane	11.067	75	62478	24.061	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	62478	61.359	ug/l #	8

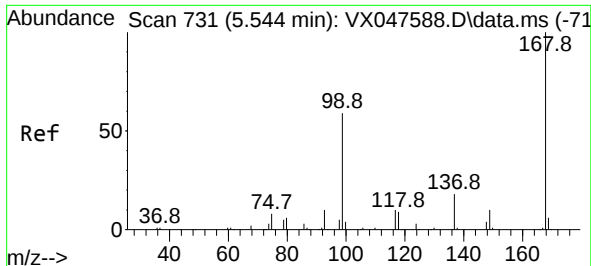
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048171.D
Acq On : 14 Oct 2025 16:56
Operator : JC/MD
Sample : Q3312-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 15 02:48:56 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



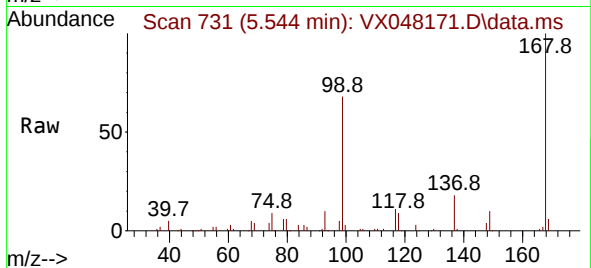


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

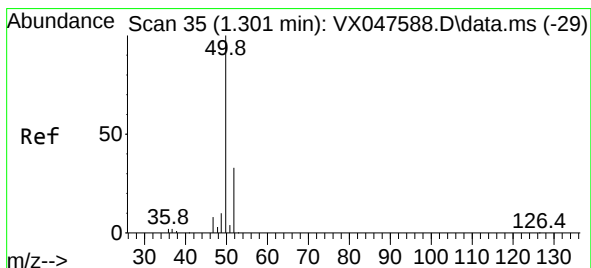
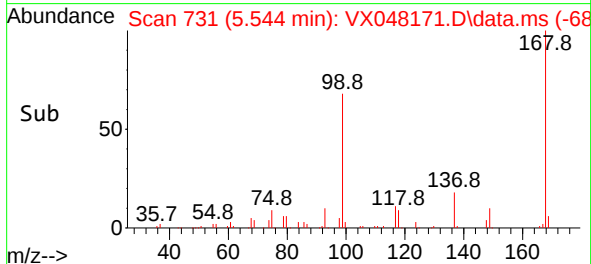
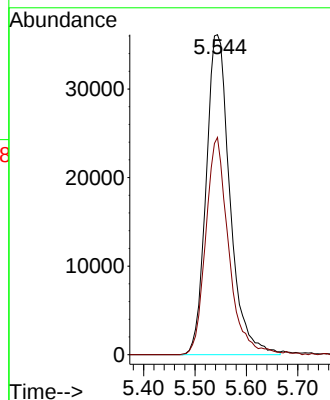
Instrument :

MSVOA_X

ClientSampleId :

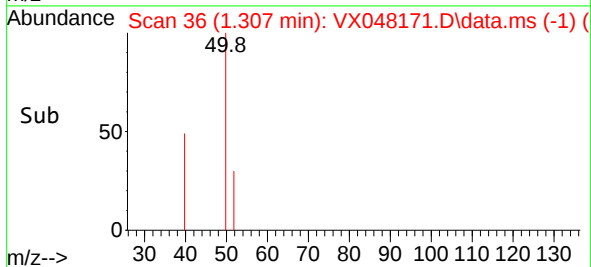
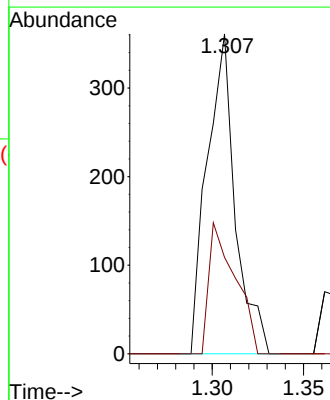
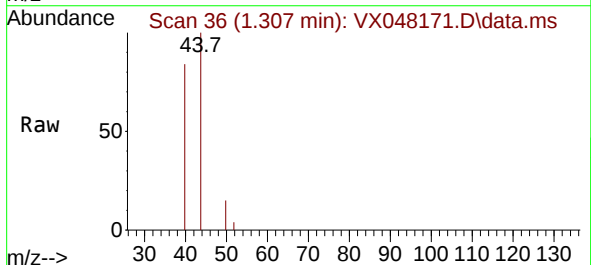


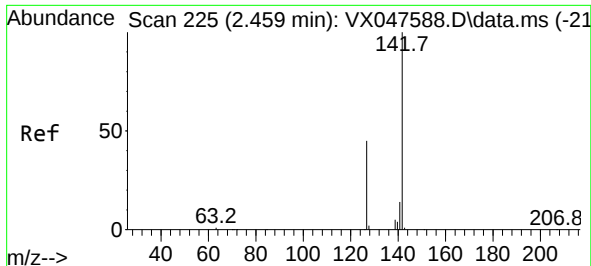
Tgt Ion:168 Resp: 116081
Ion Ratio Lower Upper
168 100
99 67.9 48.8 73.2



#3
Chloromethane
Concen: 0.245 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

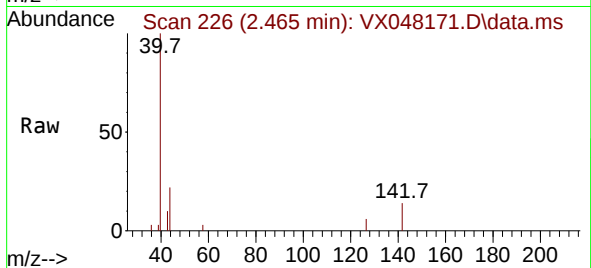
Tgt Ion: 50 Resp: 387
Ion Ratio Lower Upper
50 100
52 30.2 26.1 39.1



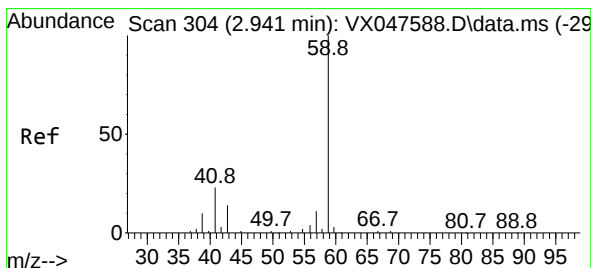
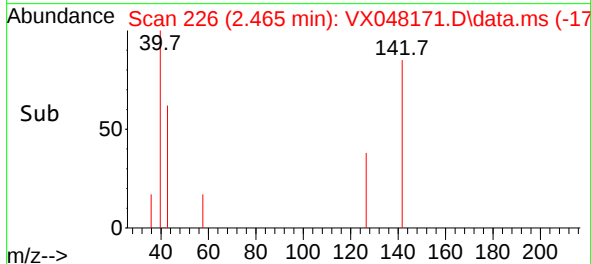
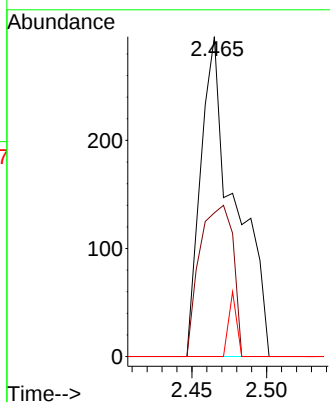


#10
Methyl Iodide
Concen: 0.224 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Instrument :
MSVOA_X
ClientSampleId :

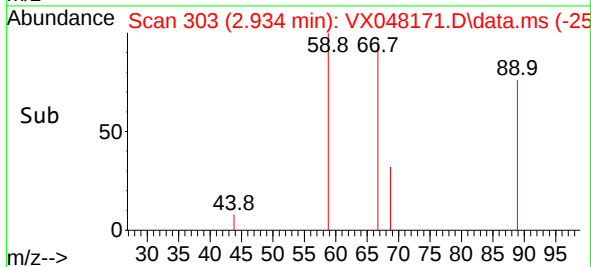
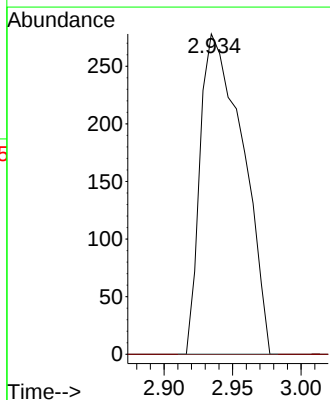
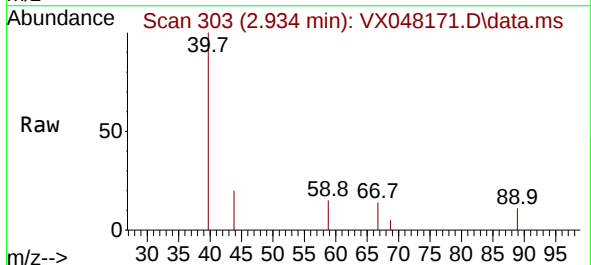


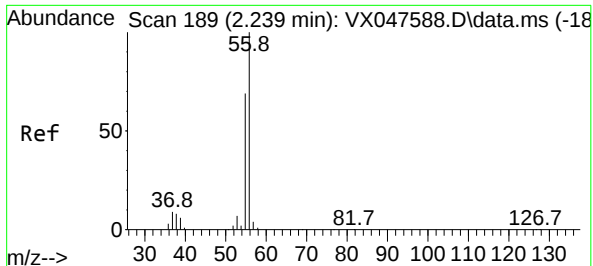
Tgt Ion:142 Resp: 469
Ion Ratio Lower Upper
142 100
127 46.3 37.2 55.8
141 4.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.921 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

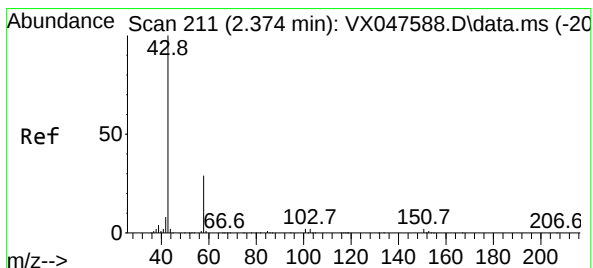
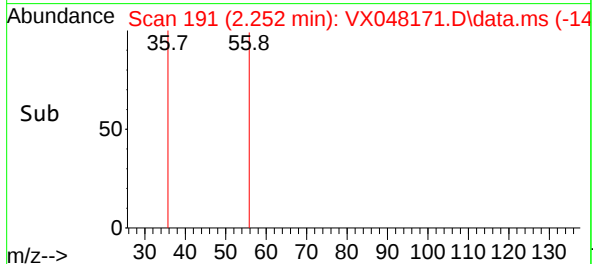
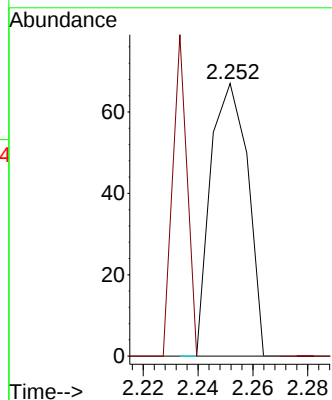
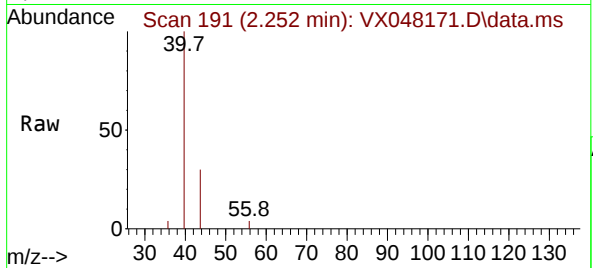




#13
Acrolein
Concen: 0.332 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

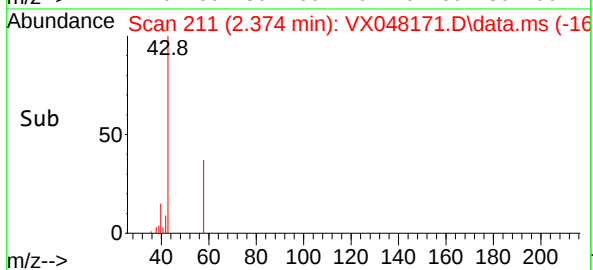
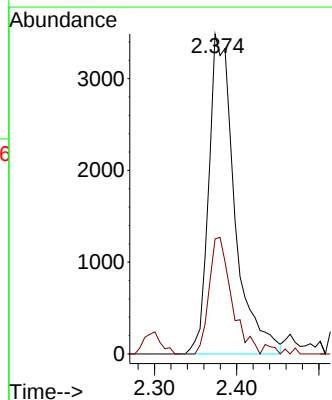
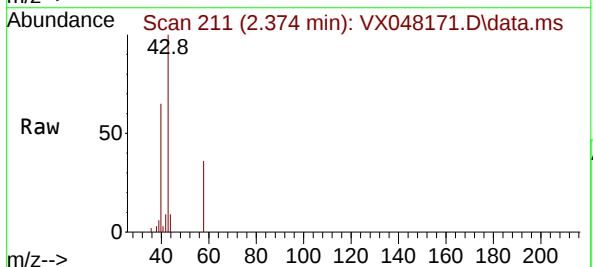
Instrument :
MSVOA_X
ClientSampleId :

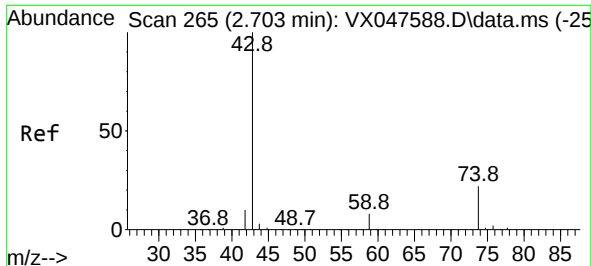
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 46.0 57.2 85.8#



#16
Acetone
Concen: 9.477 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Tgt Ion: 43 Resp: 7614
Ion Ratio Lower Upper
43 100
58 35.9 23.4 35.0#





#18

Methyl Acetate

Concen: 0.329 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX048171.D

Acq: 14 Oct 2025 16:56

Instrument :

MSVOA_X

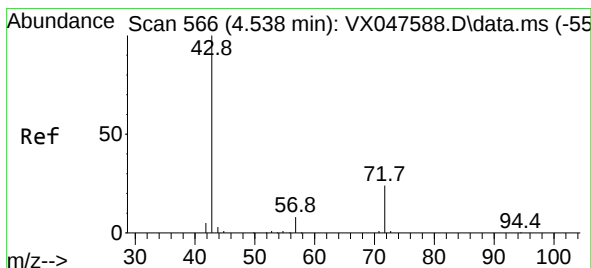
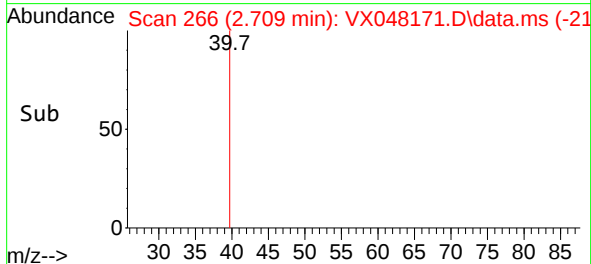
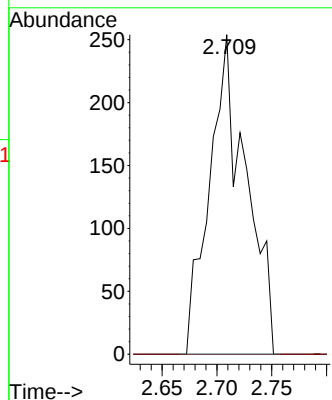
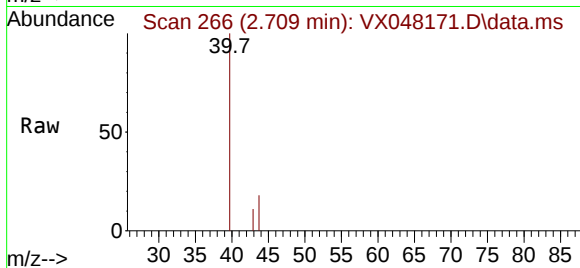
ClientSampleId :

Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#



#25

2-Butanone

Concen: 4.705 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.037 min

Lab File: VX048171.D

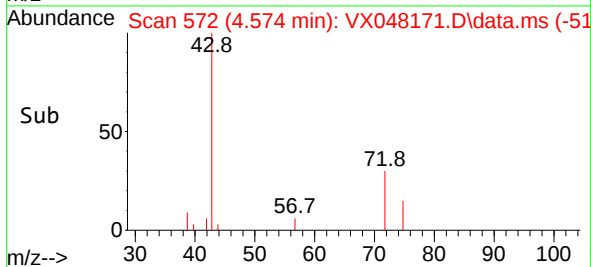
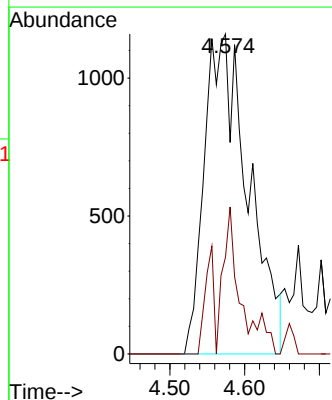
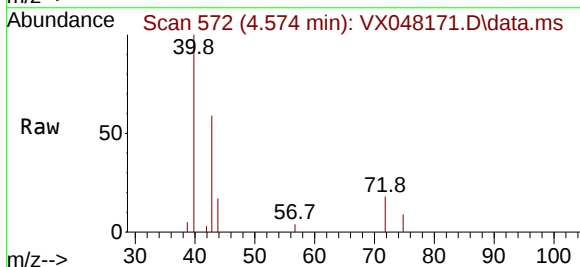
Acq: 14 Oct 2025 16:56

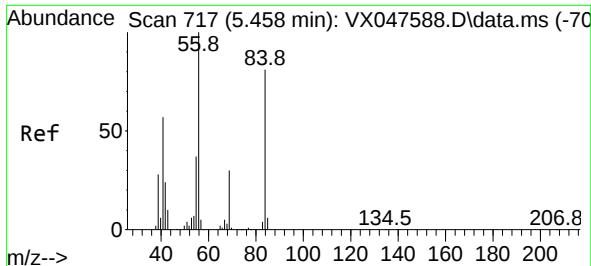
Tgt Ion: 43 Resp: 4715

Ion Ratio Lower Upper

43 100

72 30.3 20.1 30.1#

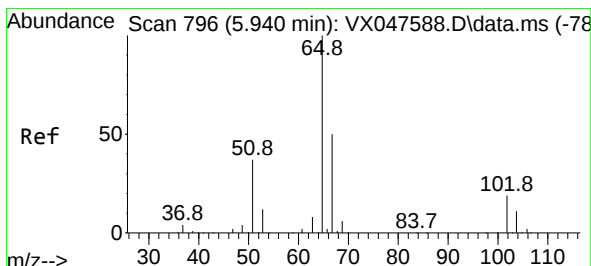
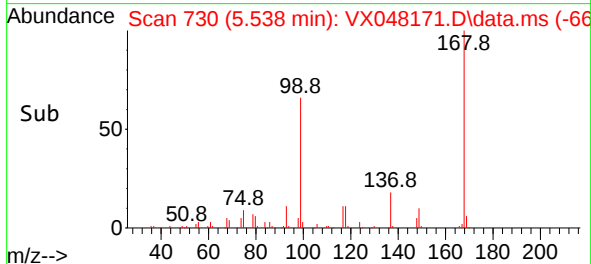
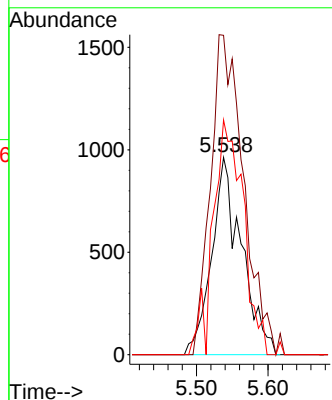
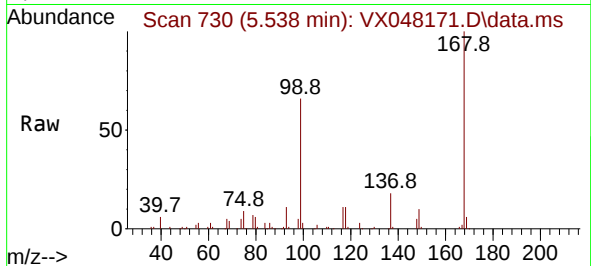




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

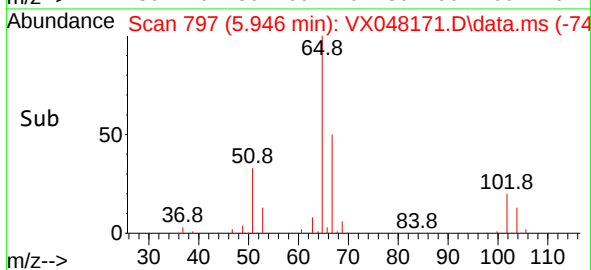
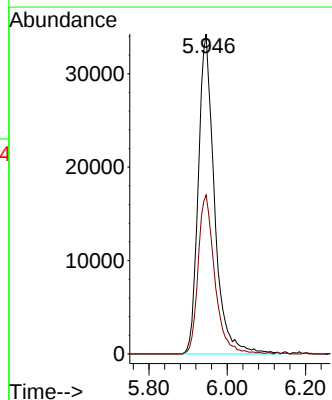
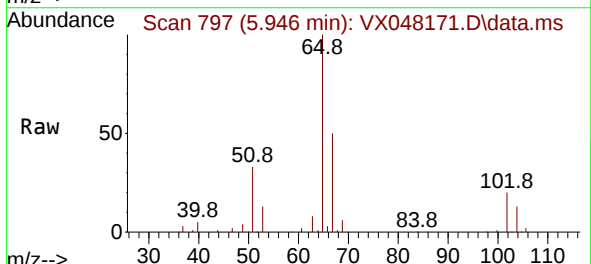
Instrument :
MSVOA_X
ClientSampleId :

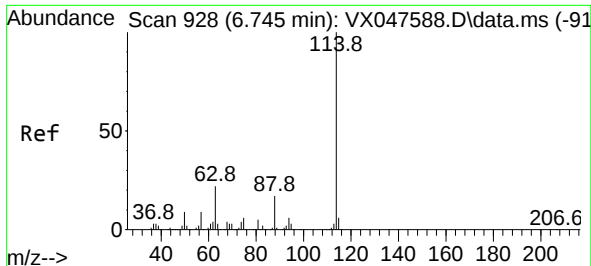
Tgt Ion: 56 Resp: 2784
Ion Ratio Lower Upper
56 100
69 161.9 23.8 35.8#
84 119.0 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 53.331 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

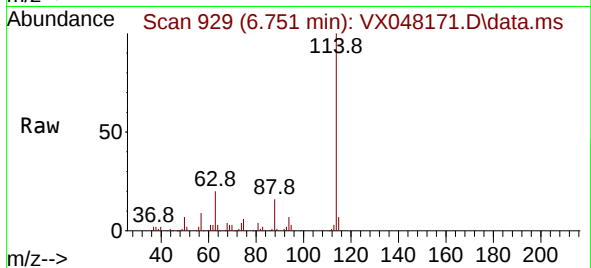
Tgt Ion: 65 Resp: 98540
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0



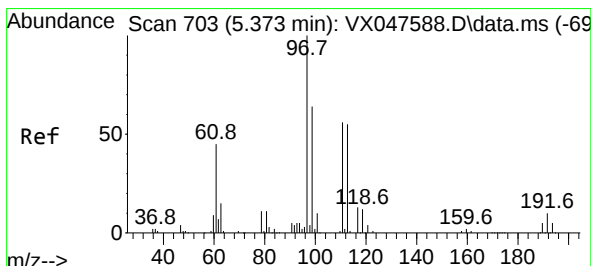
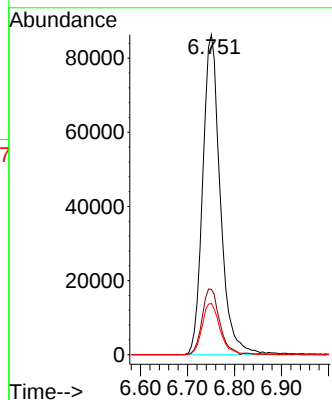
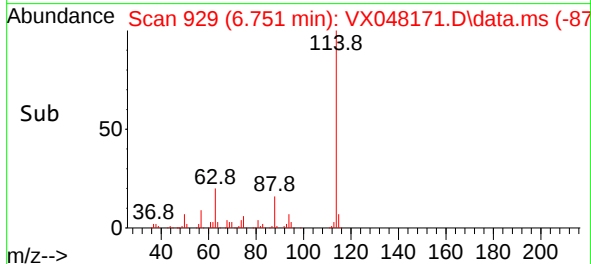


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Instrument :
MSVOA_X
ClientSampleId :

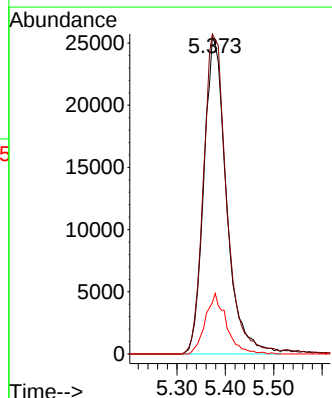
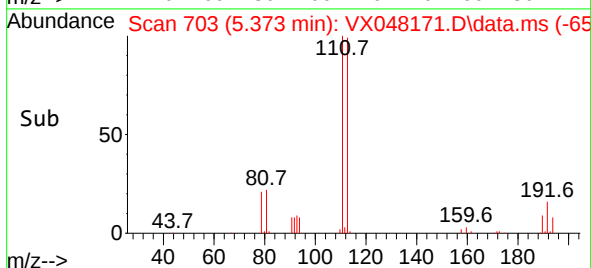
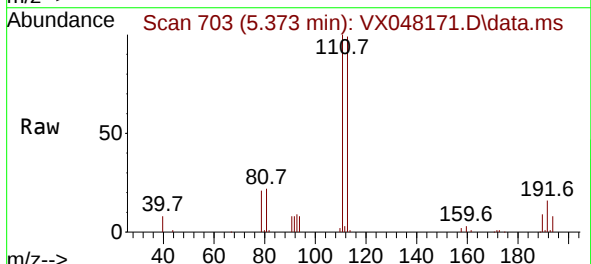


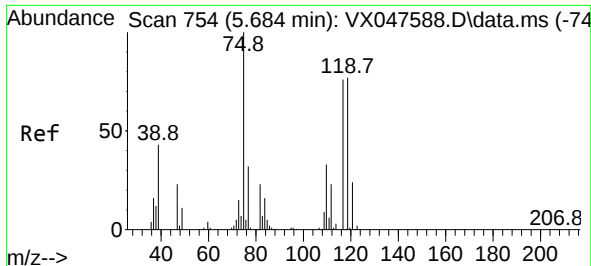
Tgt Ion:114 Resp: 223818
Ion Ratio Lower Upper
114 100
63 20.4 0.0 44.0
88 16.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 55.231 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

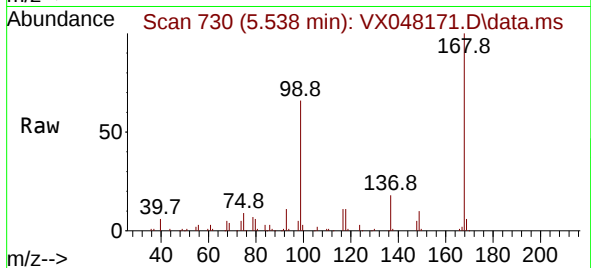
Tgt Ion:113 Resp: 82905
Ion Ratio Lower Upper
113 100
111 103.0 80.9 121.3
192 17.7 14.2 21.4



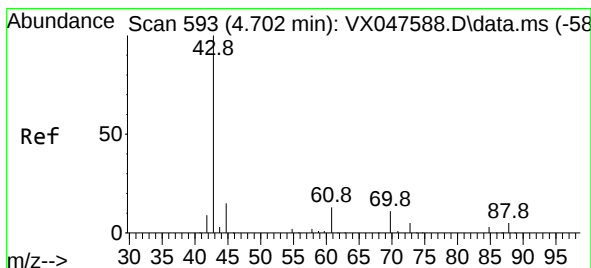
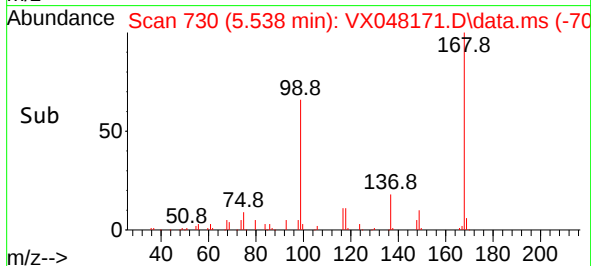
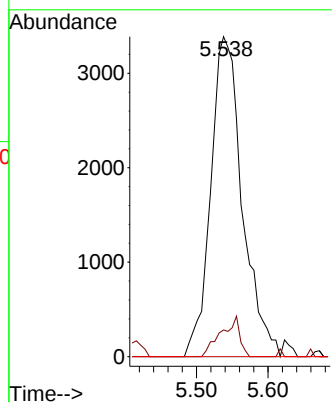


#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Instrument :
MSVOA_X
ClientSampleId :

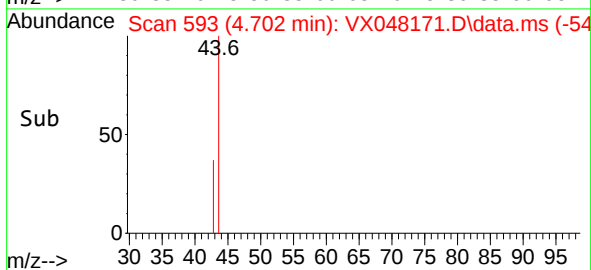
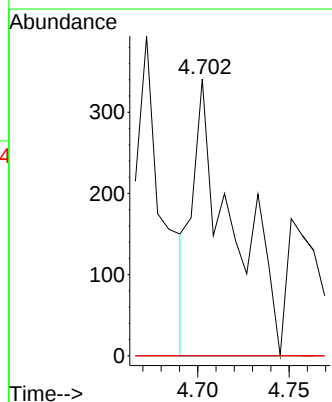
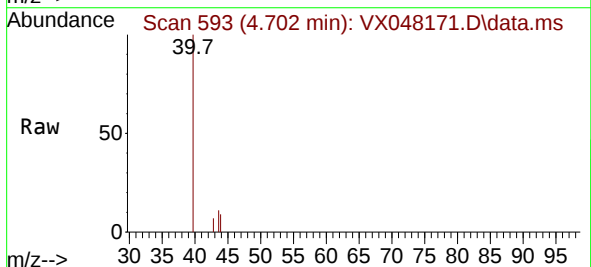


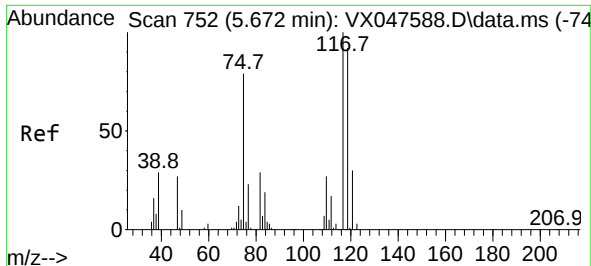
Tgt Ion: 75 Resp: 10379
Ion Ratio Lower Upper
75 100
110 7.5 16.7 50.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.220 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

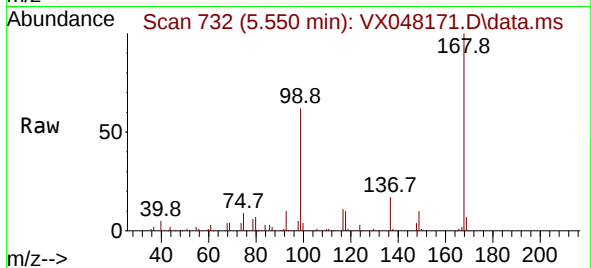
Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 7.9 11.9#



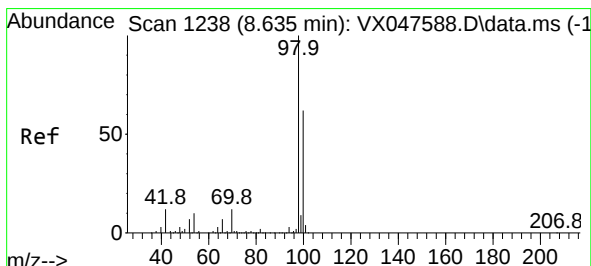
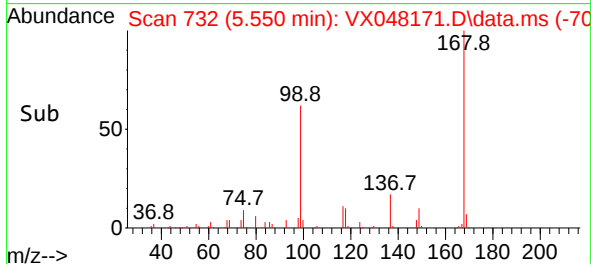
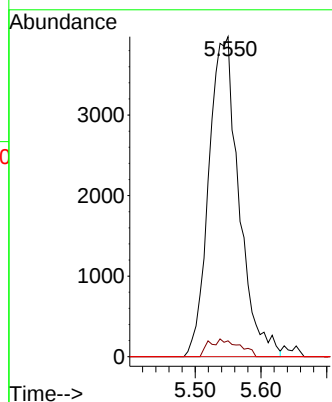


#38
Carbon Tetrachloride
Concen: 5.311 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Instrument :
MSVOA_X
ClientSampleId :

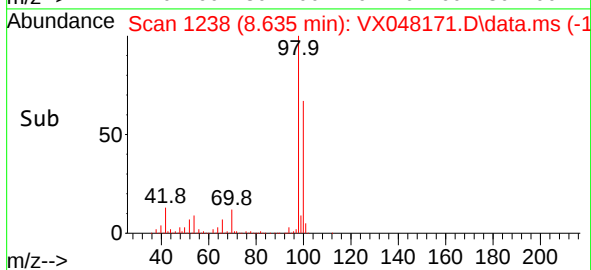
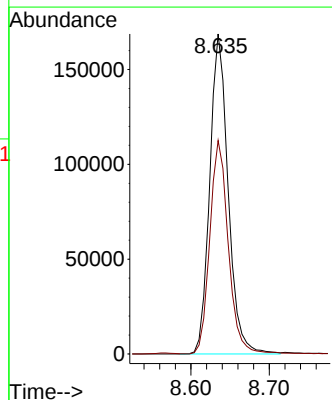
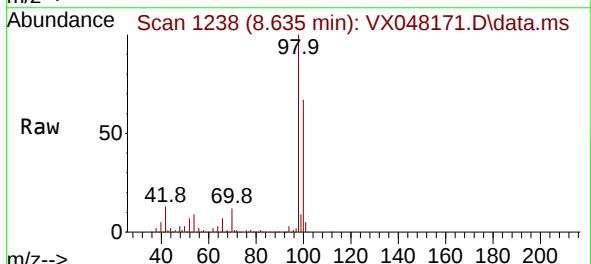


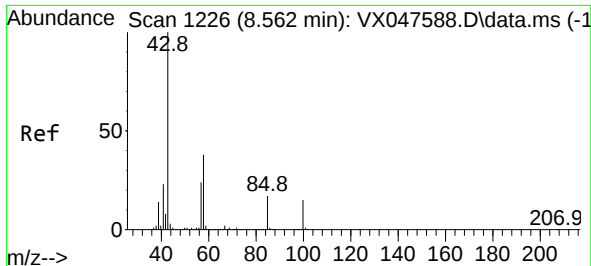
Tgt Ion:117 Resp: 12657
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 52.981 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Tgt Ion: 98 Resp: 275177
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4

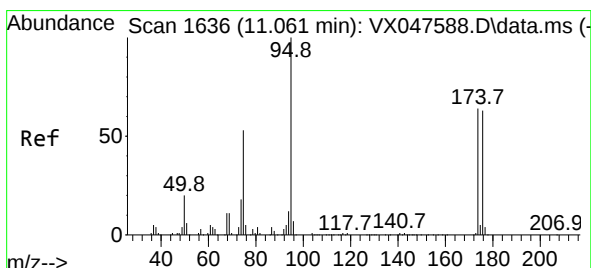
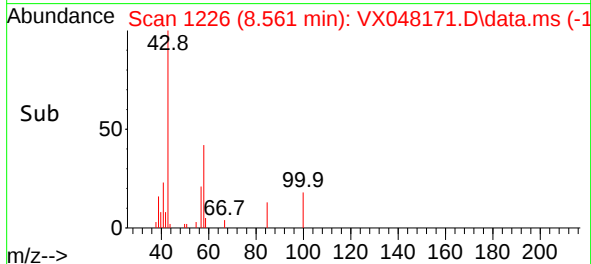
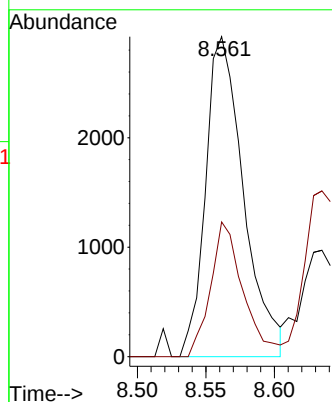
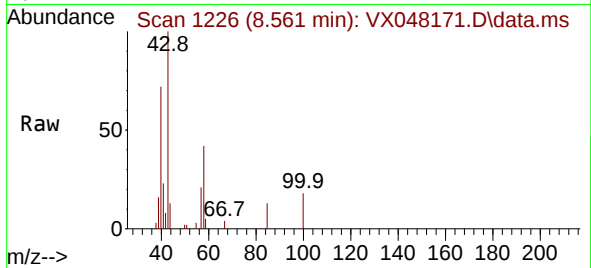




#51
4-Methyl-2-Pentanone
Concen: 2.644 ug/l
RT: 8.561 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

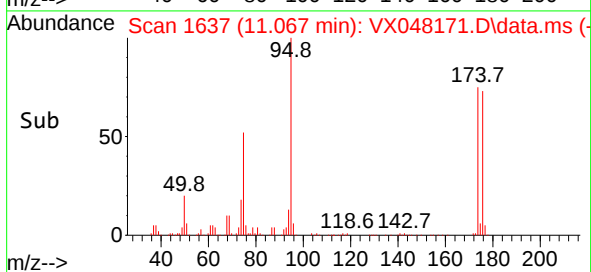
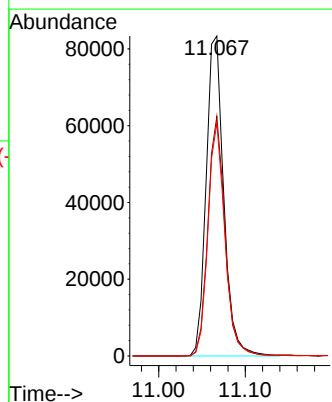
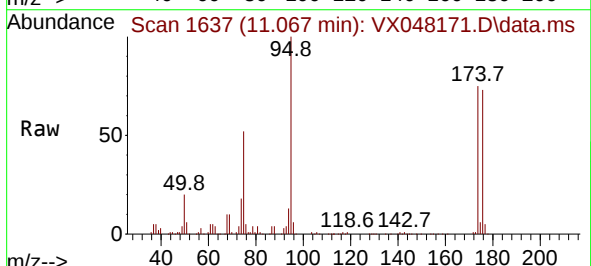
Instrument :
MSVOA_X
ClientSampleId :

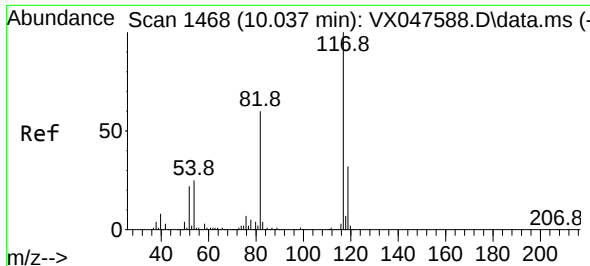
Tgt Ion: 43 Resp: 5646
Ion Ratio Lower Upper
43 100
58 36.0 30.3 45.5



#62
4-Bromofluorobenzene
Concen: 59.610 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

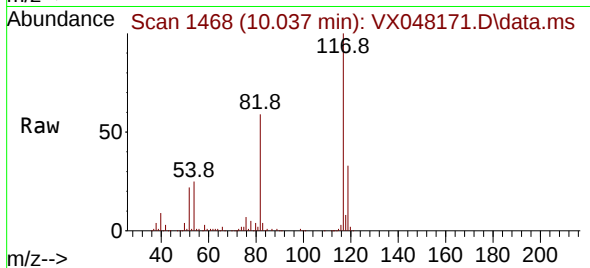
Tgt Ion: 95 Resp: 117503
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.6
176 70.3 0.0 138.4



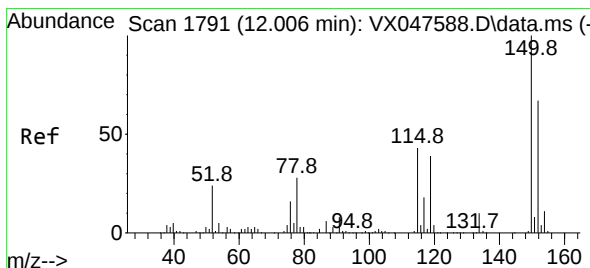
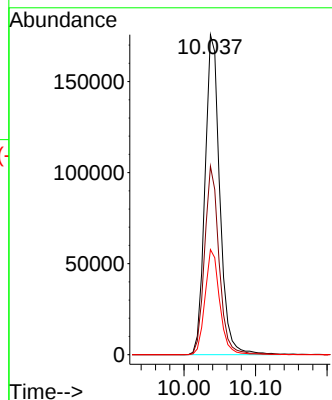
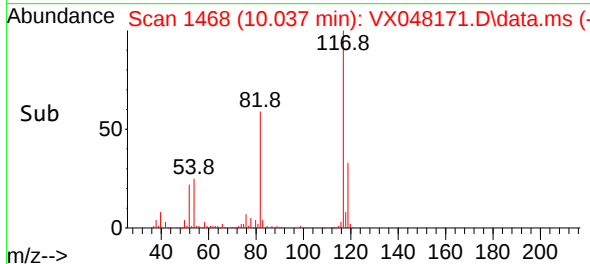


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

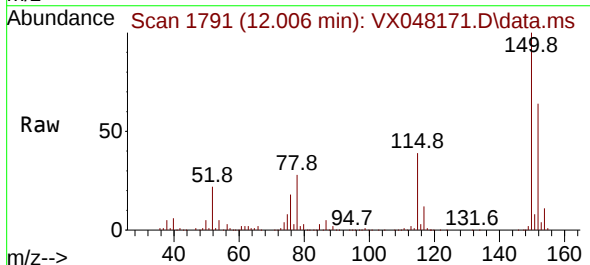
Instrument :
MSVOA_X
ClientSampleId :



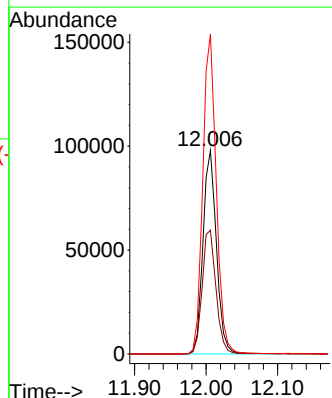
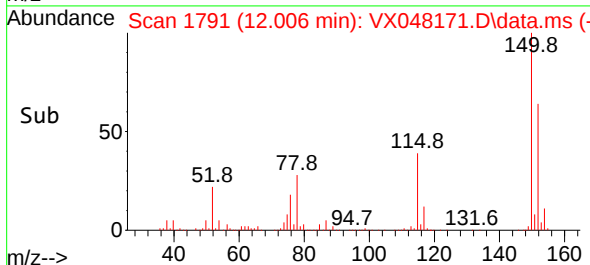
Tgt Ion:117 Resp: 253264
Ion Ratio Lower Upper
117 100
82 58.9 47.8 71.6
119 32.9 25.2 37.8

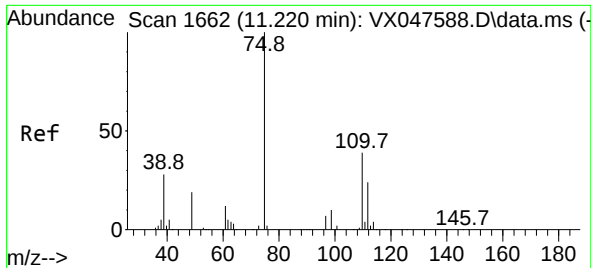


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56



Tgt Ion:152 Resp: 128249
Ion Ratio Lower Upper
152 100
115 62.8 44.9 134.5
150 156.7 0.0 352.0

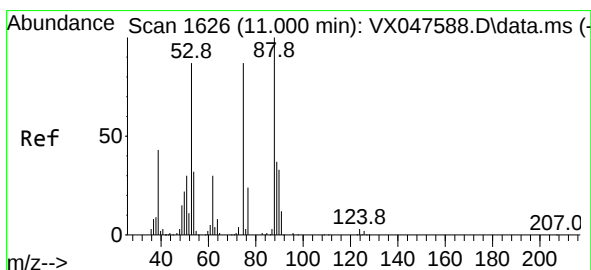
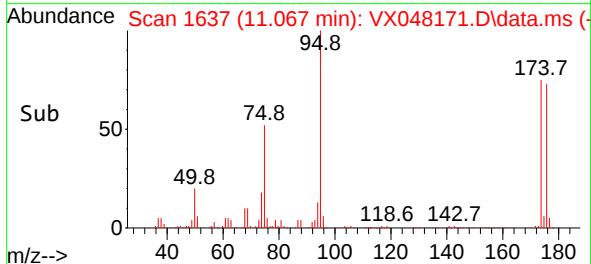
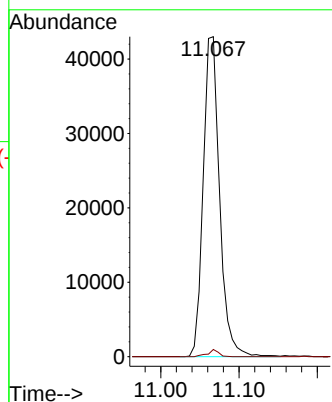
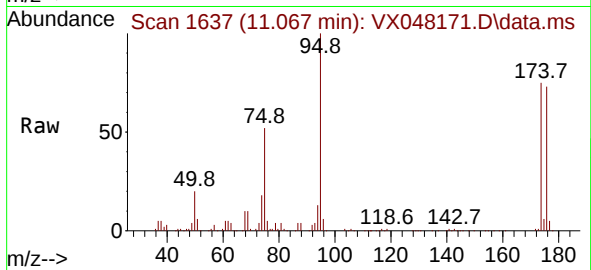




#76
1,2,3-Trichloropropane
Concen: 24.061 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.152 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 62478
Ion Ratio Lower Upper
75 100
77 1.5 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.359 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX048171.D
Acq: 14 Oct 2025 16:56

Tgt Ion: 75 Resp: 62478
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

