

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
 Data File : VX048066.D
 Acq On : 08 Oct 2025 11:40
 Operator : JC/MD
 Sample : Q3298-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-EB-20251003

Quant Time: Oct 09 04:53:06 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)

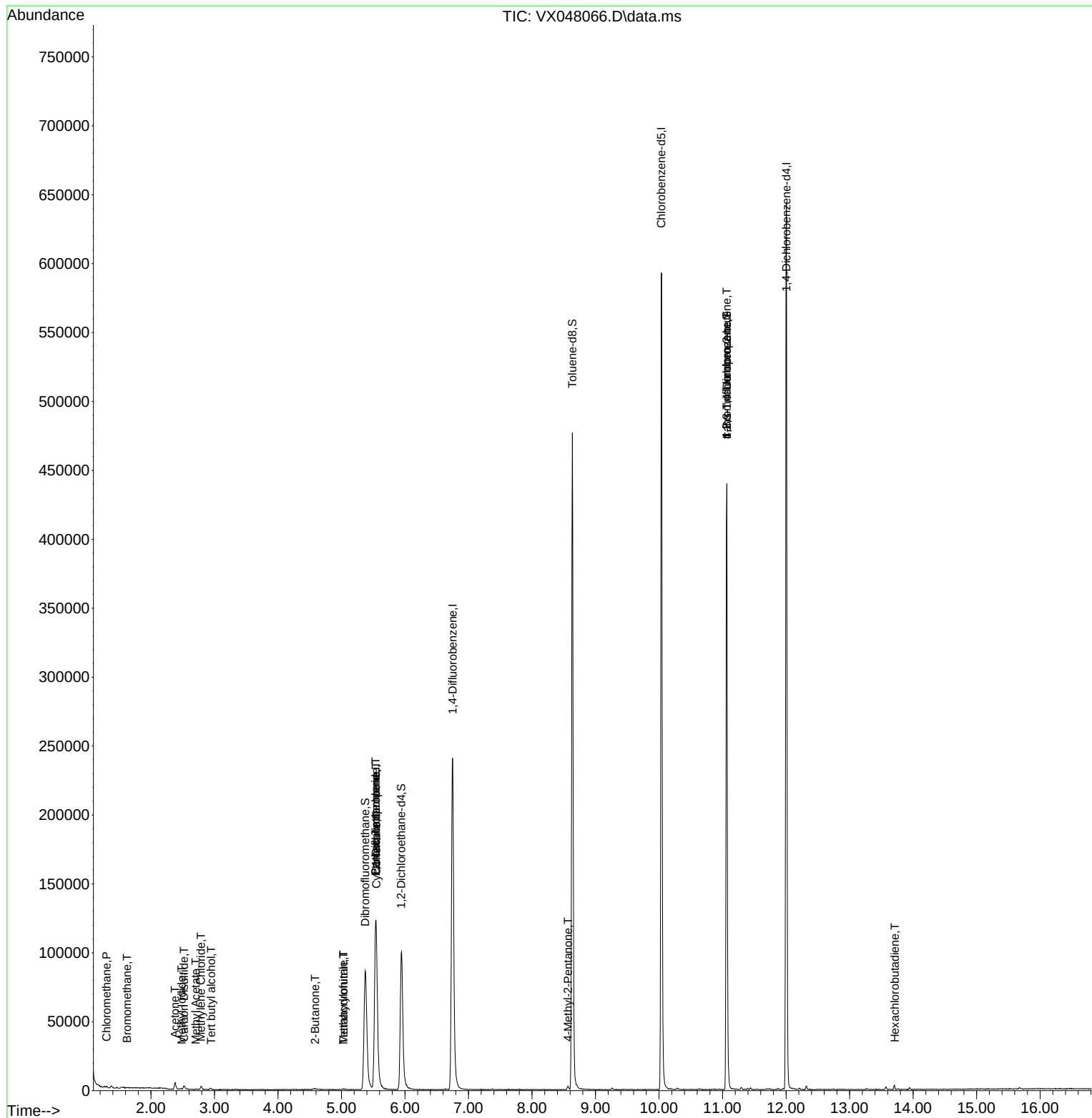
Internal Standards						
1) Pentafluorobenzene	5.538	168	125586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260870	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109350	54.702	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.400%			
35) Dibromofluoromethane	5.373	113	84691	48.408	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.820%			
50) Toluene-d8	8.635	98	287195	47.441	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.880%			
62) 4-Bromofluorobenzene	11.067	95	125619	54.676	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.360%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	1031	0.603	ug/l #	84
5) Bromomethane	1.624	94	225	0.212	ug/l #	64
10) Methyl Iodide	2.483	142	1206	0.532	ug/l #	90
11) Tert butyl alcohol	2.947	59	268	1.204	ug/l #	72
16) Acetone	2.380	43	5494	6.321	ug/l	97
17) Carbon Disulfide	2.520	76	1940	0.475	ug/l #	91
18) Methyl Acetate	2.703	43	447	0.231	ug/l #	54
20) Methylene Chloride	2.788	84	1294	0.703	ug/l #	88
25) 2-Butanone	4.586	43	1004	0.926	ug/l	95
29) Tetrahydrofuran	5.032	42	379	0.581	ug/l #	43
31) Cyclohexane	5.550	56	2904	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11295	4.418	ug/l #	52
38) Carbon Tetrachloride	5.538	117	13962	5.027	ug/l #	18
41) Methacrylonitrile	5.032	41	404	0.286	ug/l #	30
51) 4-Methyl-2-Pentanone	8.567	43	2299	0.924	ug/l #	85
76) 1,2,3-Trichloropropane	11.067	75	66787	24.036	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	66787	61.294	ug/l #	8
94) Hexachlorobutadiene	13.713	225	448	0.446	ug/l	68

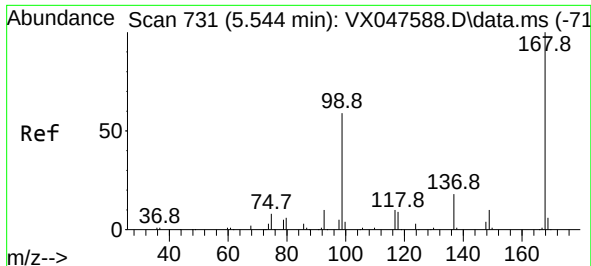
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

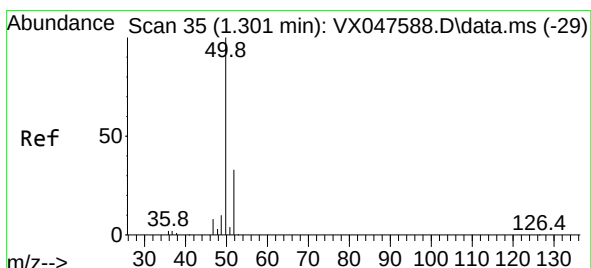
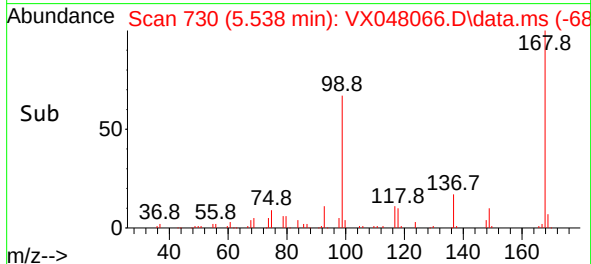
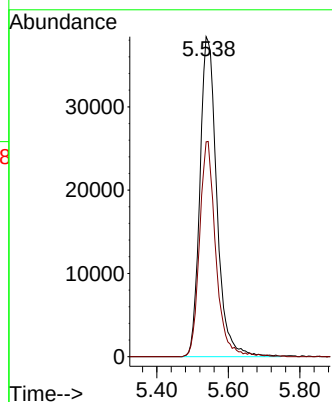
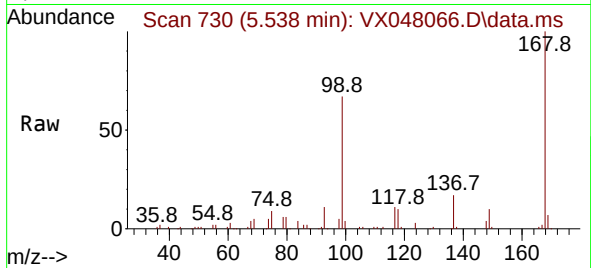




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

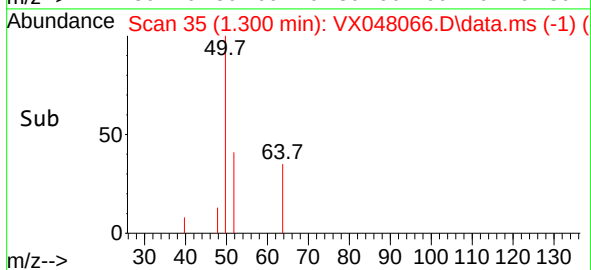
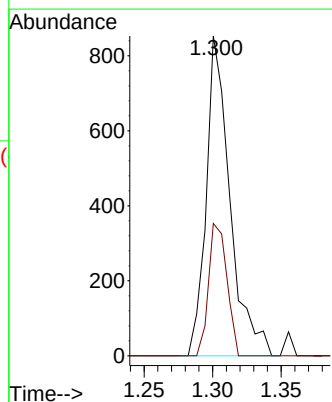
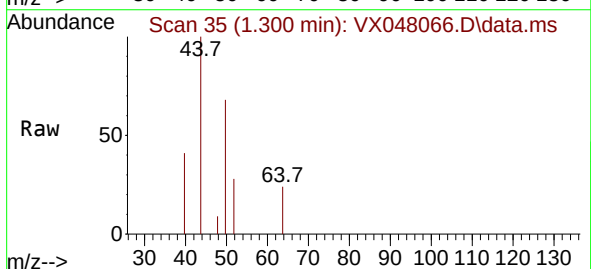
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

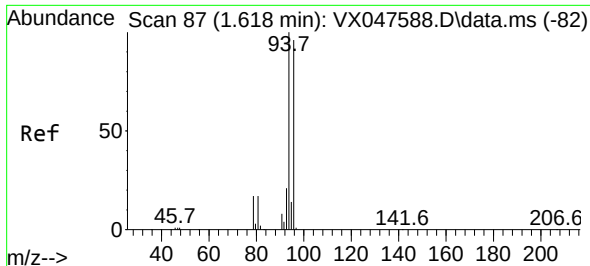
Tgt Ion:168 Resp: 125586
Ion Ratio Lower Upper
168 100
99 67.1 48.8 73.2



#3
Chloromethane
Concen: 0.603 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 50 Resp: 1031
Ion Ratio Lower Upper
50 100
52 41.4 26.1 39.1#

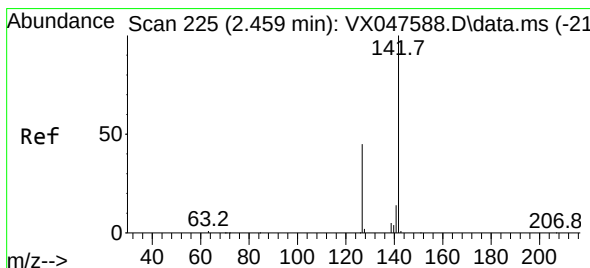
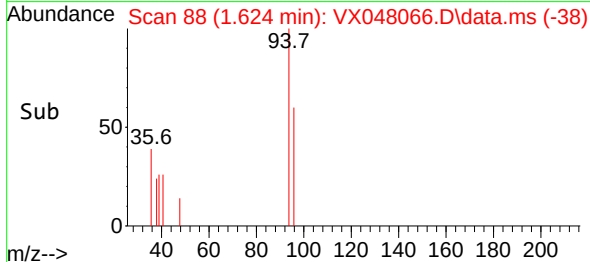
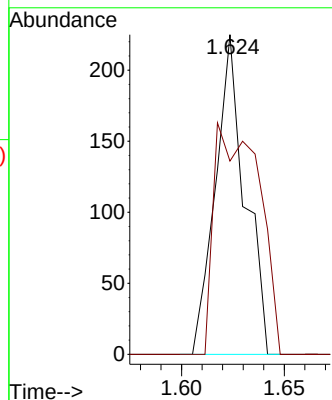
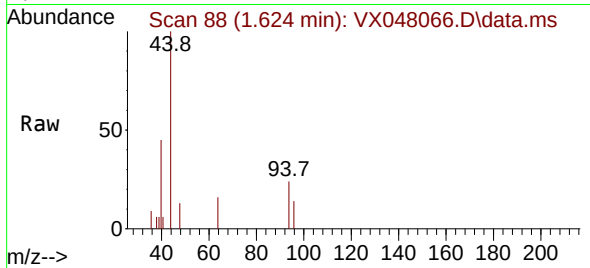




#5
Bromomethane
Concen: 0.212 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

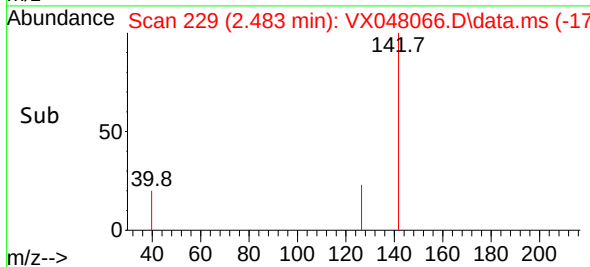
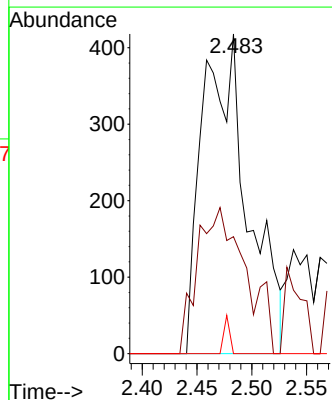
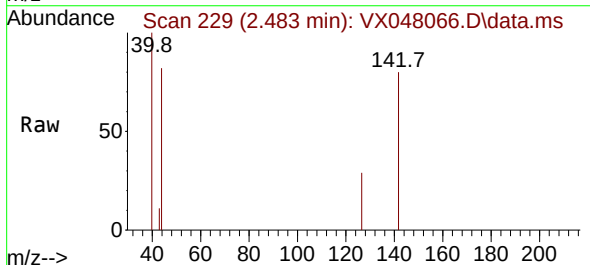
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

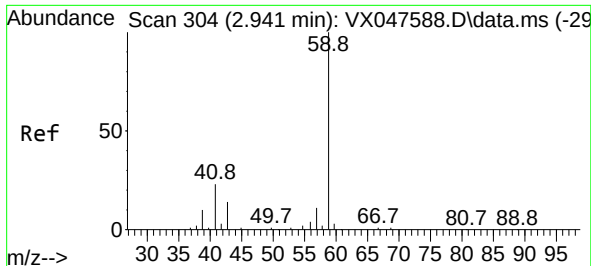
Tgt Ion: 94 Resp: 225
Ion Ratio Lower Upper
94 100
96 60.4 76.6 115.0#



#10
Methyl Iodide
Concen: 0.532 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.024 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion:142 Resp: 1206
Ion Ratio Lower Upper
142 100
127 48.6 37.2 55.8
141 1.5 11.4 17.0#

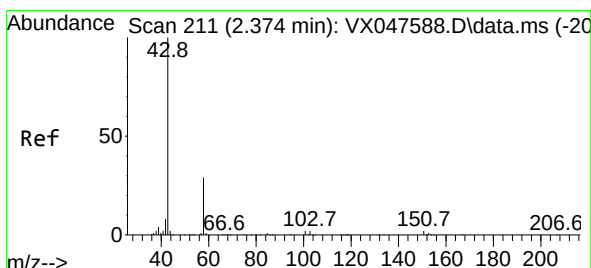
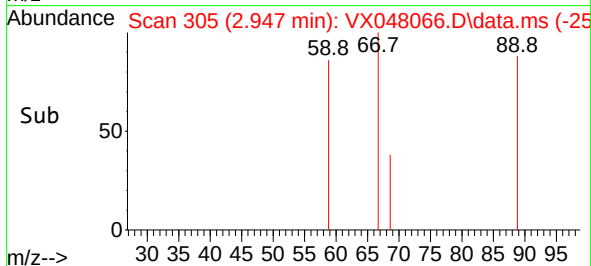
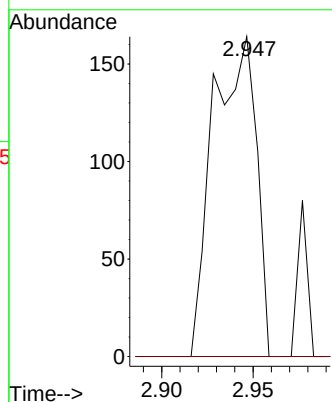
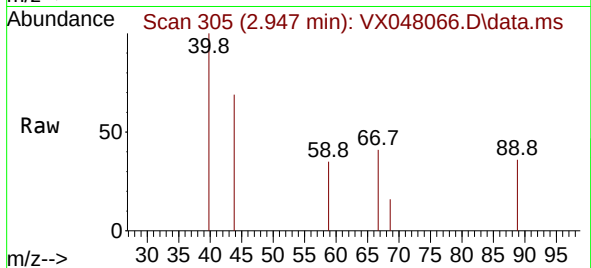




#11
Tert butyl alcohol
Concen: 1.204 ug/l
RT: 2.947 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

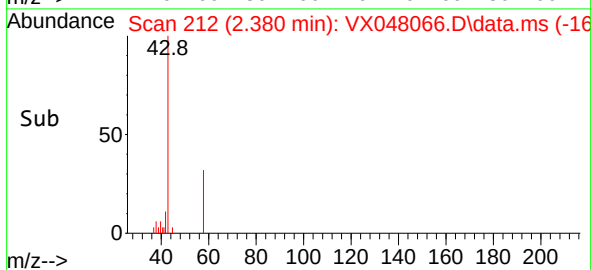
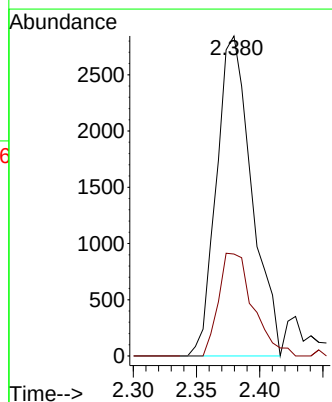
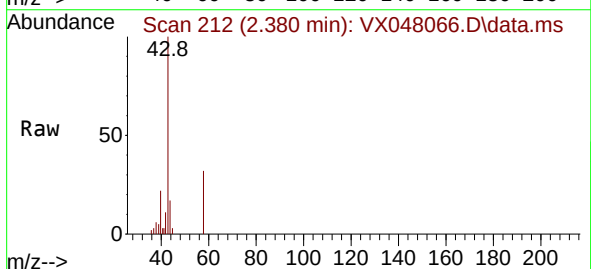
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

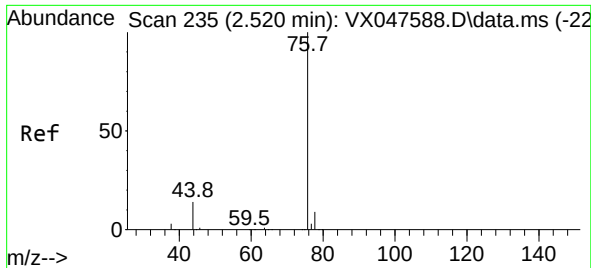
Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.321 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 43 Resp: 5494
Ion Ratio Lower Upper
43 100
58 27.3 23.4 35.0

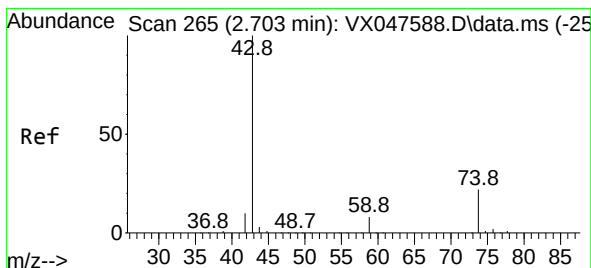
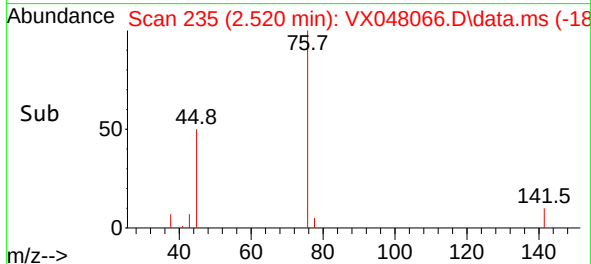
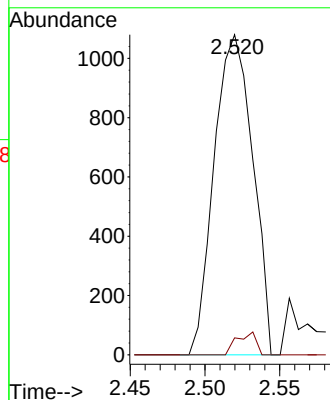
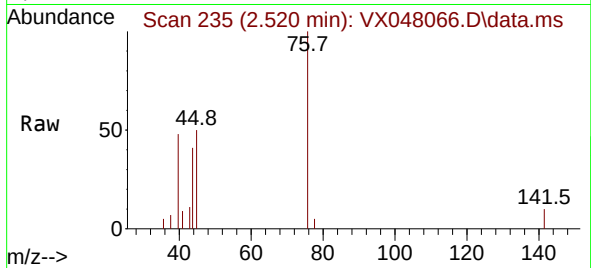




#17
Carbon Disulfide
Concen: 0.475 ug/l
RT: 2.520 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

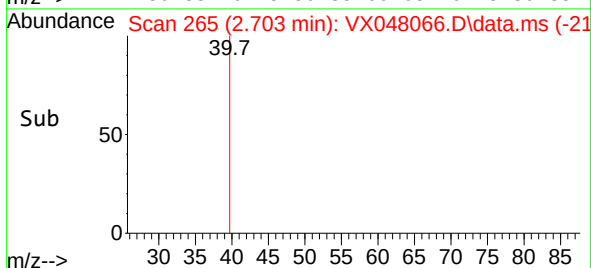
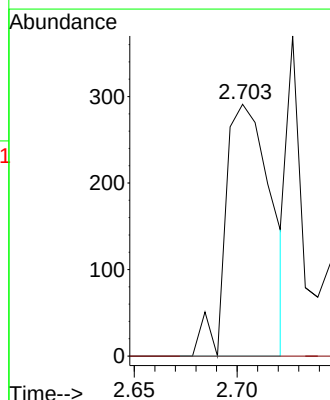
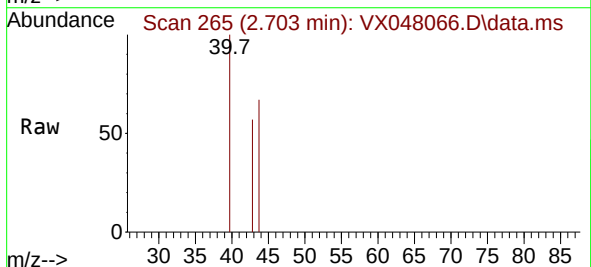
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

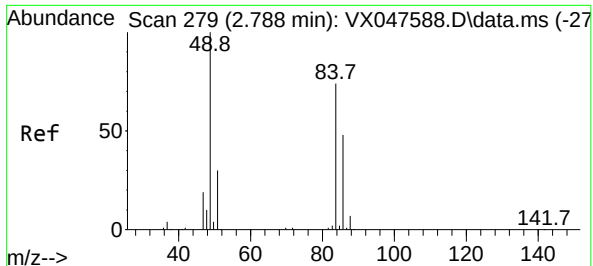
Tgt Ion: 76 Resp: 1940
Ion Ratio Lower Upper
76 100
78 5.3 6.8 10.2#



#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

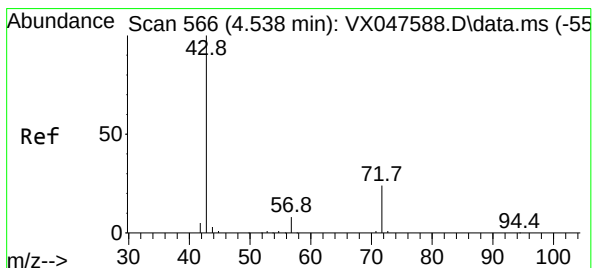
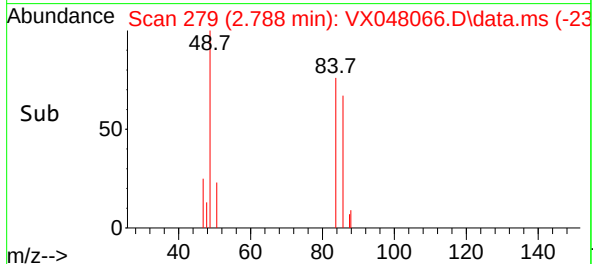
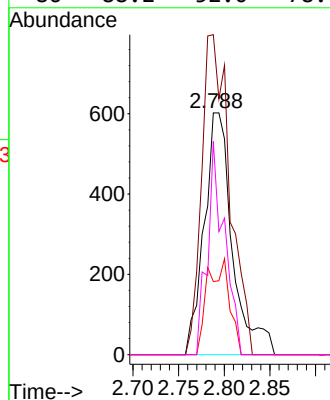
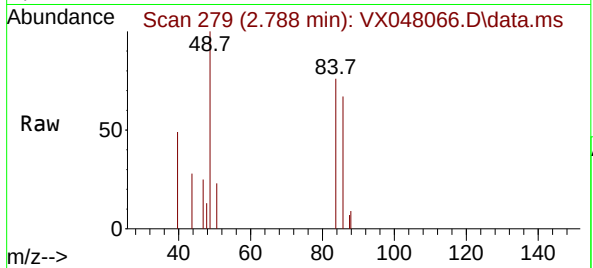




#20
Methylene Chloride
Concen: 0.703 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

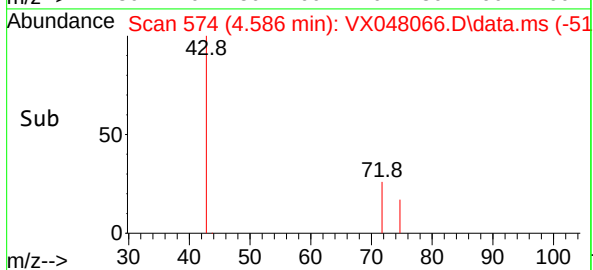
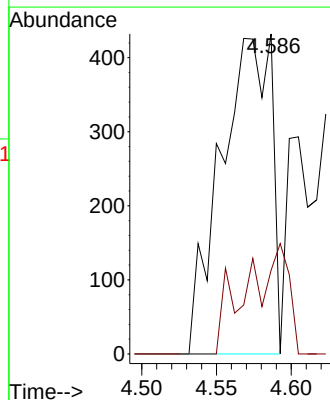
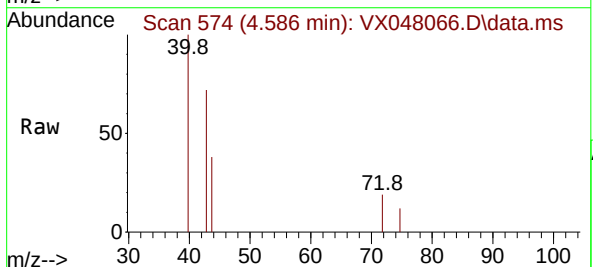
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

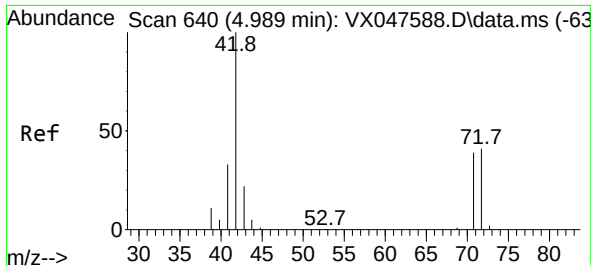
Tgt Ion:	84	Resp:	1294
Ion	Ratio	Lower	Upper
84	100		
49	132.4	108.6	162.8
51	30.2	32.6	48.8#
86	88.2	52.0	78.0#



#25
2-Butanone
Concen: 0.926 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.049 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion:	43	Resp:	1004
Ion	Ratio	Lower	Upper
43	100		
72	27.8	20.1	30.1





#29

Tetrahydrofuran

Concen: 0.581 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX048066.D

Acq: 08 Oct 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-EB-20251003

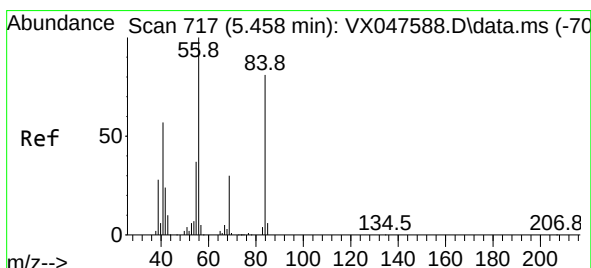
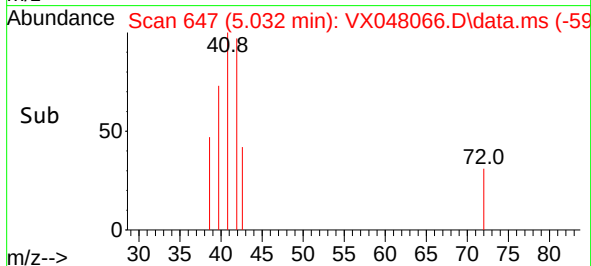
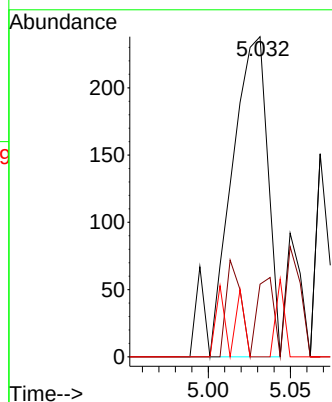
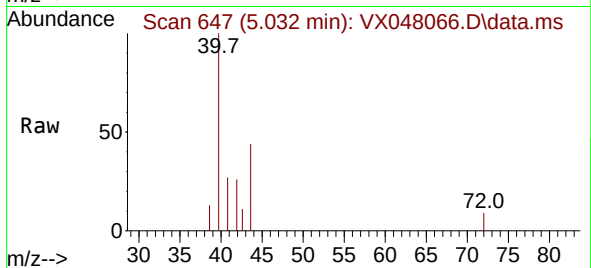
Tgt Ion: 42 Resp: 379

Ion Ratio Lower Upper

42 100

72 10.8 34.2 51.2#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.091 min

Lab File: VX048066.D

Acq: 08 Oct 2025 11:40

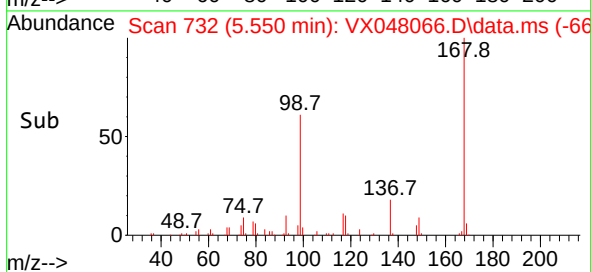
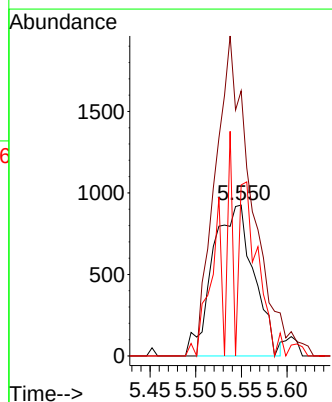
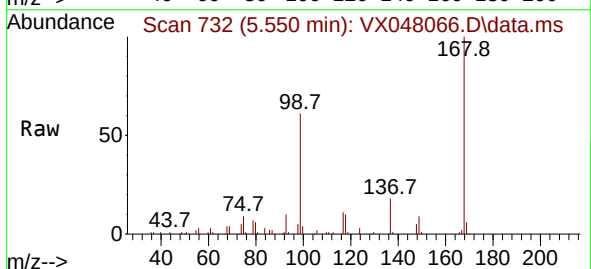
Tgt Ion: 56 Resp: 2904

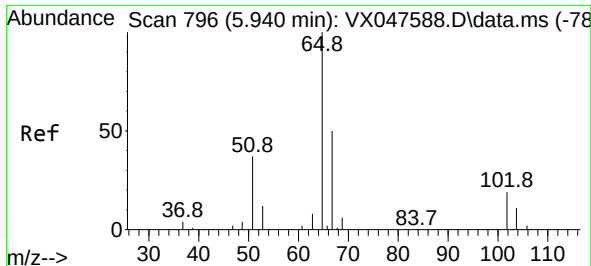
Ion Ratio Lower Upper

56 100

69 175.6 23.8 35.8#

84 113.3 64.6 97.0#

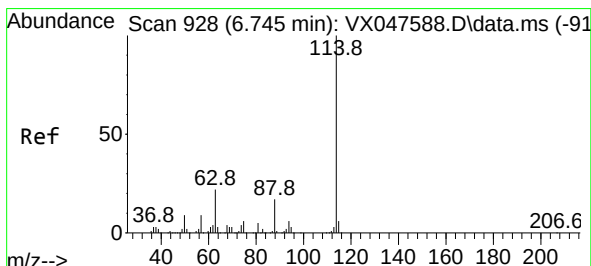
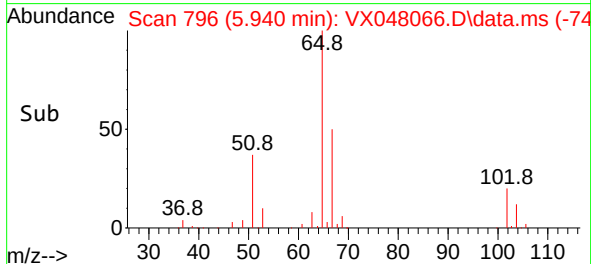
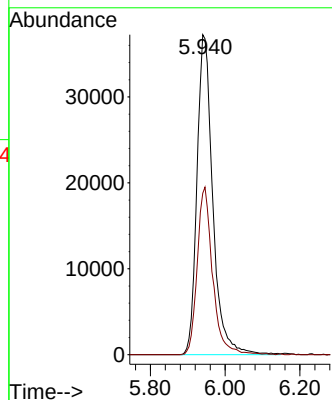
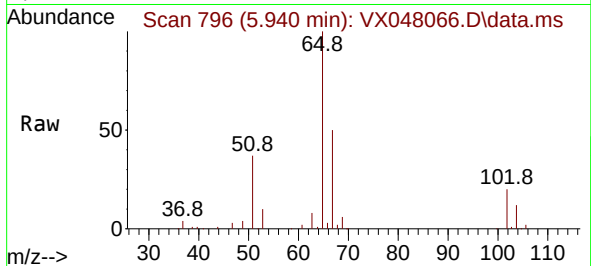




#33
 1,2-Dichloroethane-d4
 Concen: 54.702 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048066.D
 Acq: 08 Oct 2025 11:40

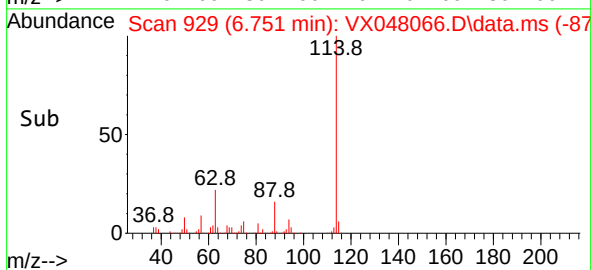
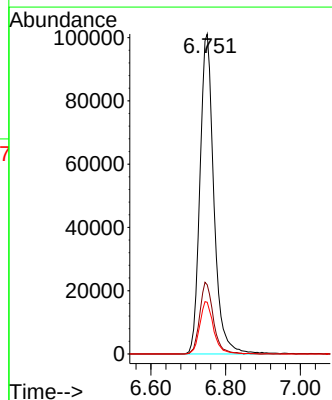
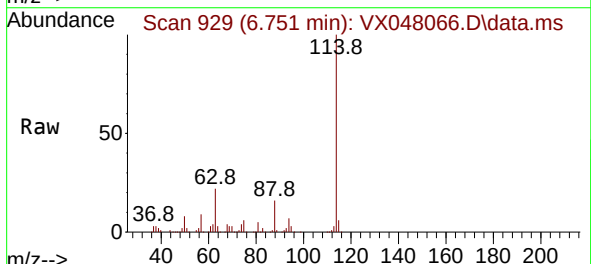
Instrument : MSVOA_X
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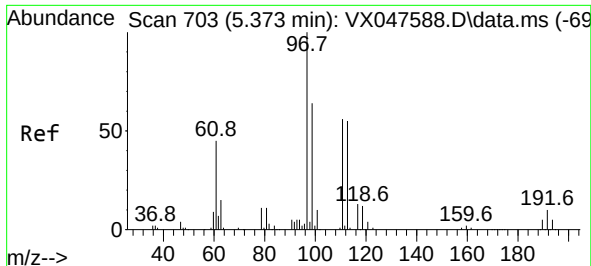
Tgt Ion: 65 Resp: 109350
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048066.D
 Acq: 08 Oct 2025 11:40

Tgt Ion: 114 Resp: 260870
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.0
 88 16.2 0.0 34.2

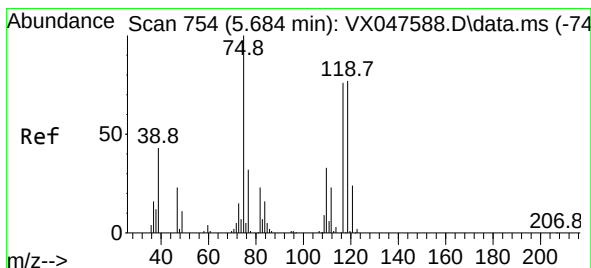
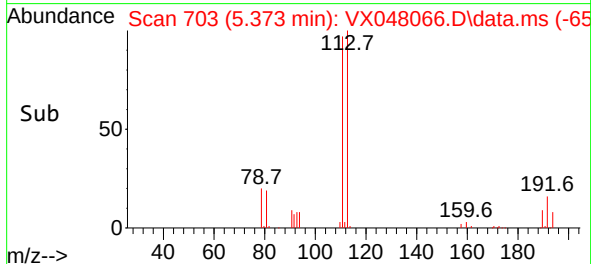
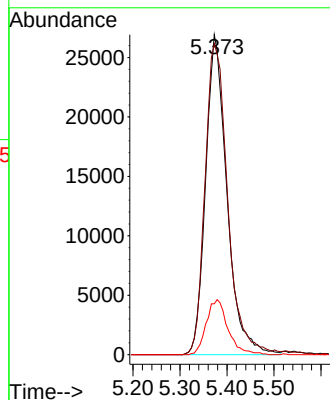
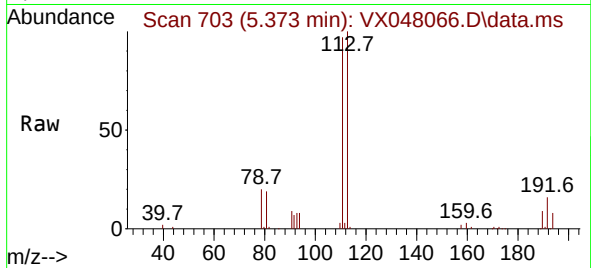




#35
Dibromofluoromethane
Concen: 48.408 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

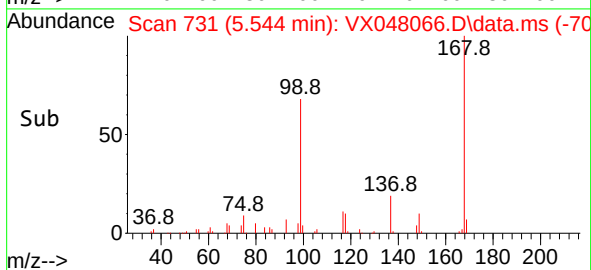
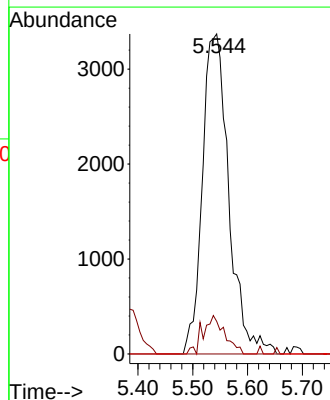
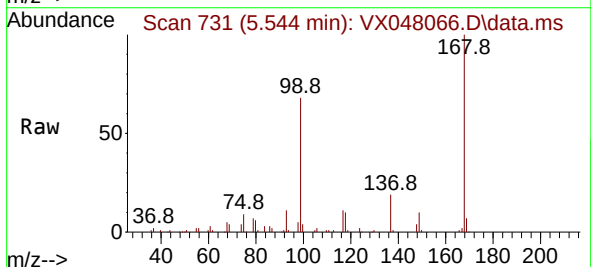
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

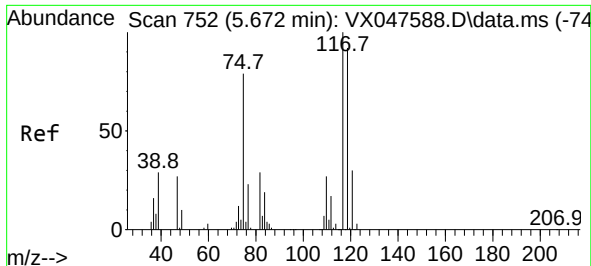
Tgt Ion:113 Resp: 84691
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 17.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

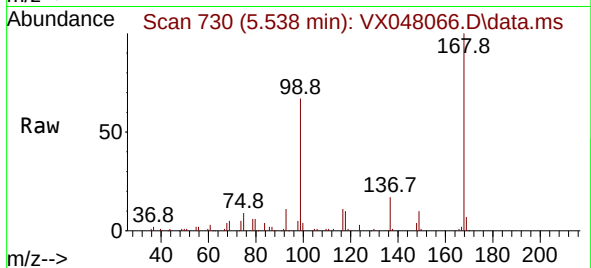
Tgt Ion: 75 Resp: 11295
Ion Ratio Lower Upper
75 100
110 9.9 16.7 50.1#
77 0.0 24.3 36.5#



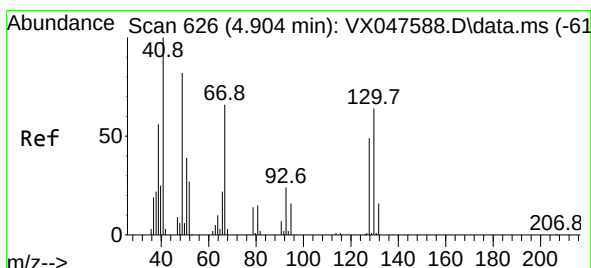
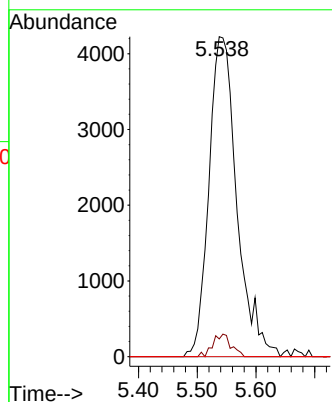
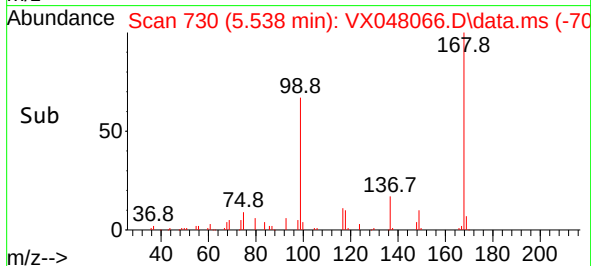


#38
Carbon Tetrachloride
Concen: 5.027 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

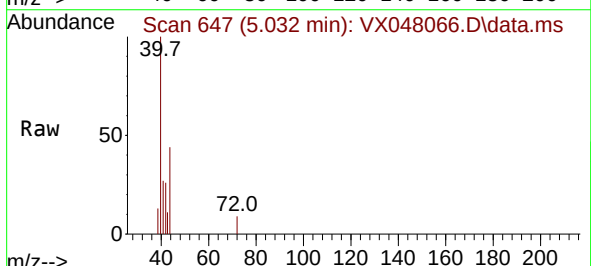
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003



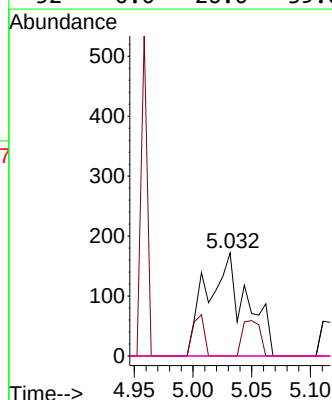
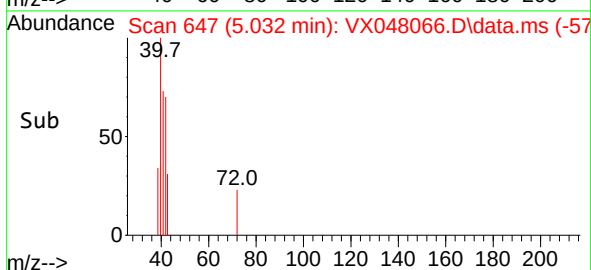
Tgt Ion: 117 Resp: 13962
Ion Ratio Lower Upper
117 100
119 5.5 73.4 110.2#
121 0.0 23.8 35.6#

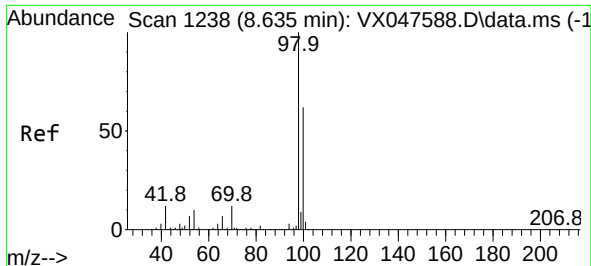


#41
Methacrylonitrile
Concen: 0.286 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.128 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40



Tgt Ion: 41 Resp: 404
Ion Ratio Lower Upper
41 100
39 15.1 43.3 64.9#
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#

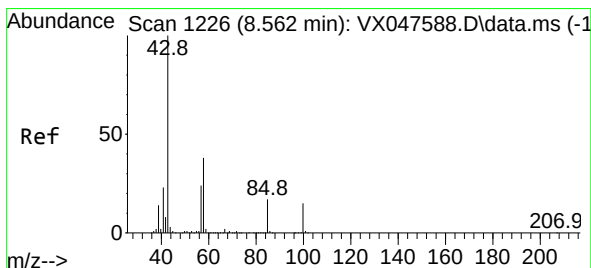
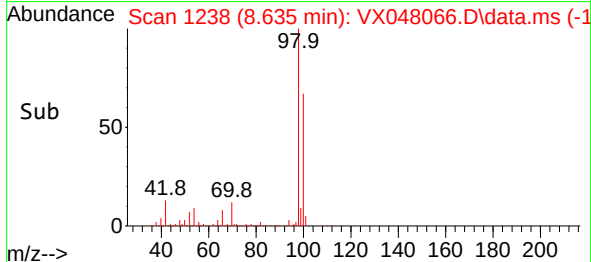
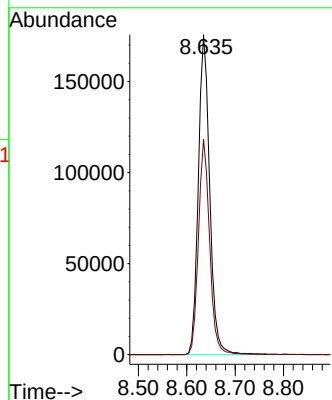
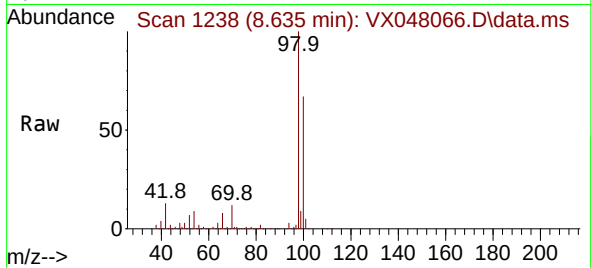




#50
Toluene-d8
Concen: 47.441 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

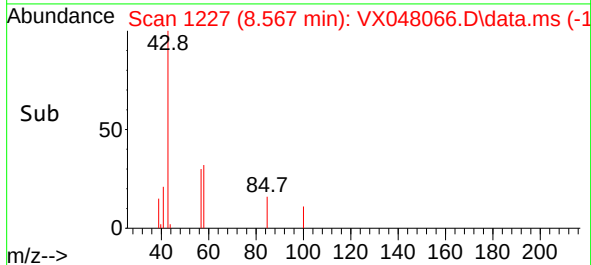
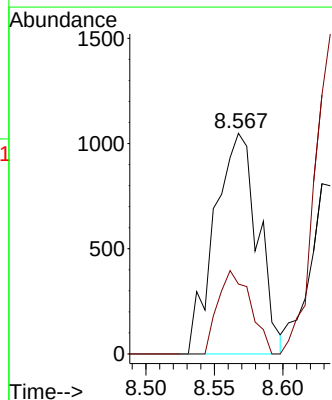
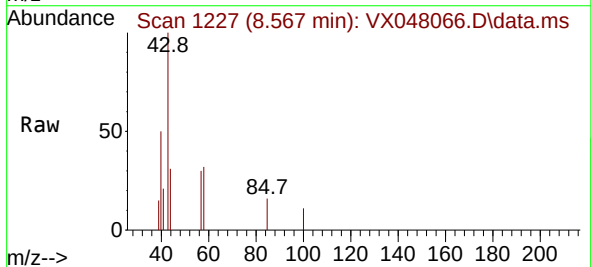
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

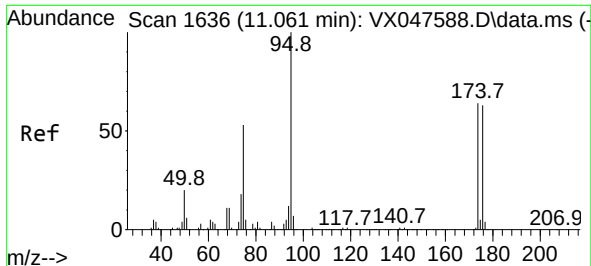
Tgt Ion: 98 Resp: 287195
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.924 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 43 Resp: 2299
Ion Ratio Lower Upper
43 100
58 28.6 30.3 45.5#

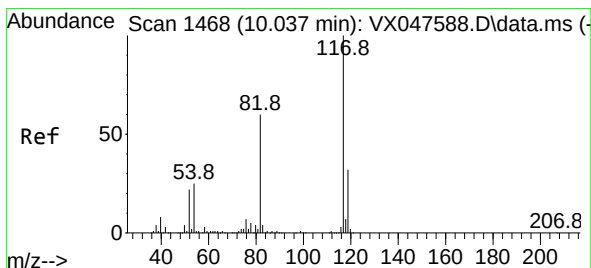
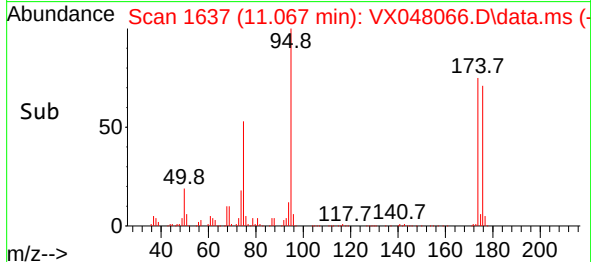
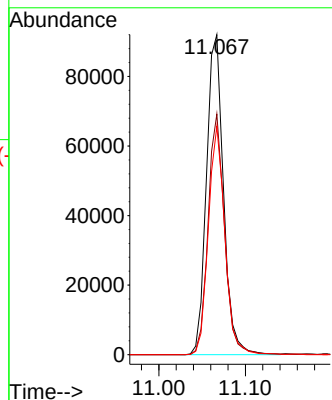
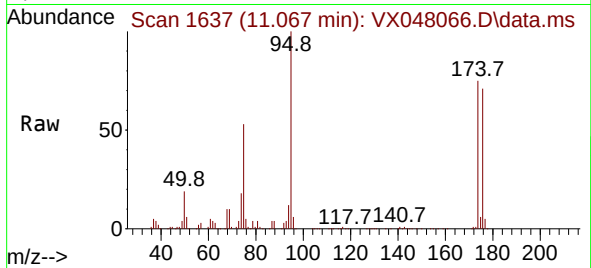




#62
4-Bromofluorobenzene
Concen: 54.676 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

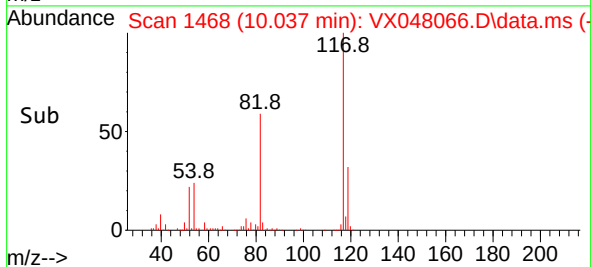
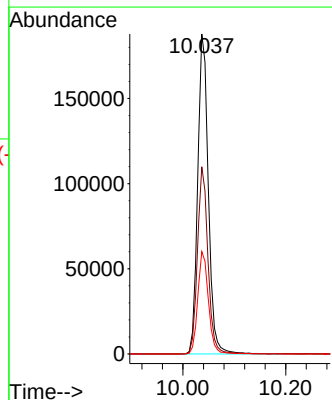
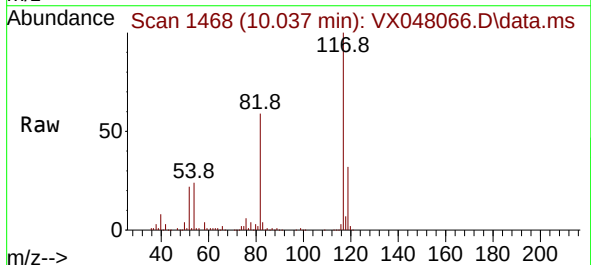
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

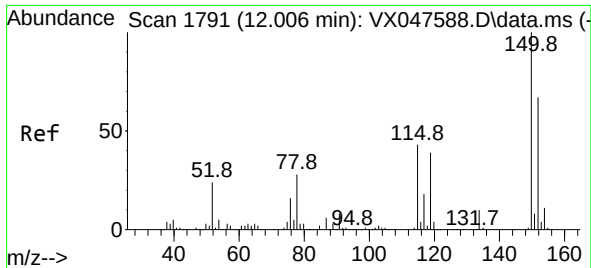
Tgt Ion: 95 Resp: 125619
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.6
176 69.5 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 117 Resp: 270184
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.6
119 32.0 25.2 37.8

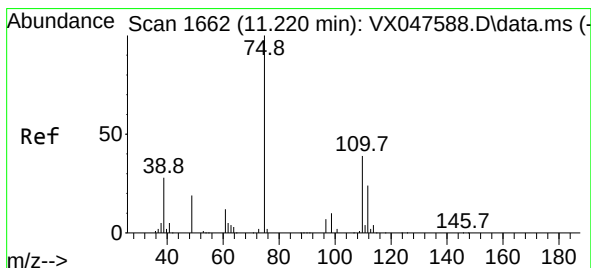
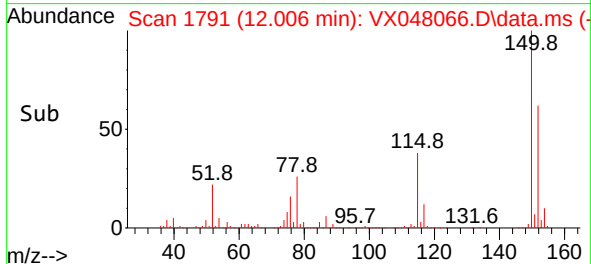
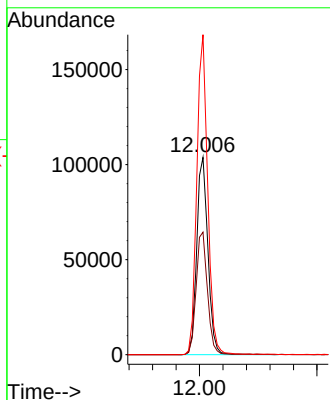
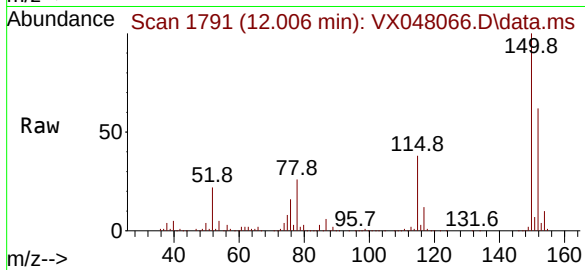




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

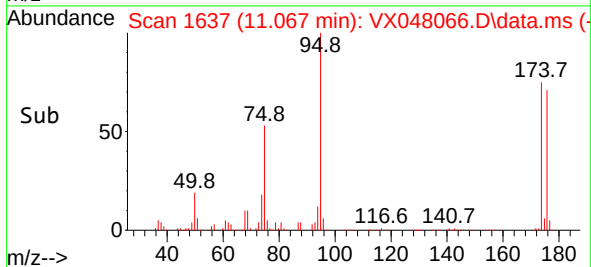
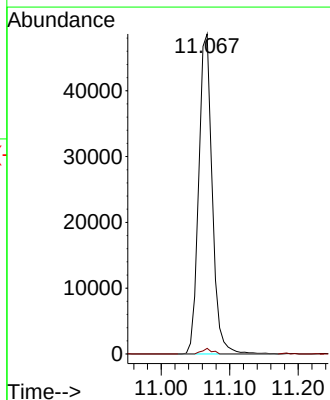
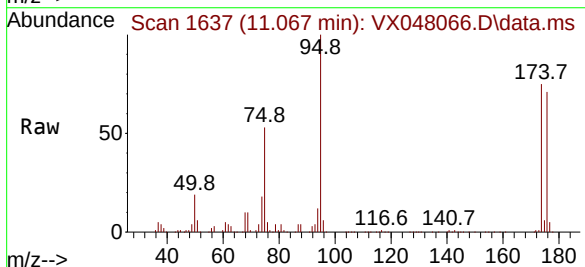
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

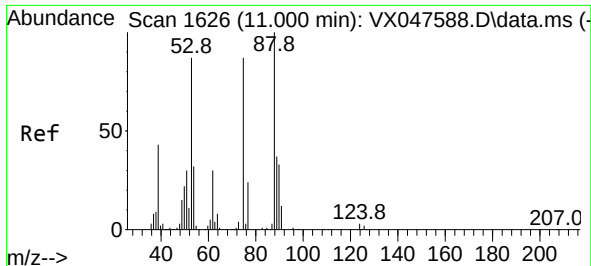
Tgt Ion:152 Resp: 137239
Ion Ratio Lower Upper
152 100
115 62.9 44.9 134.5
150 157.7 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 24.036 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.153 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 75 Resp: 66787
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#

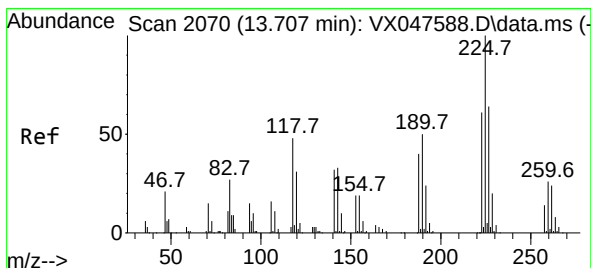
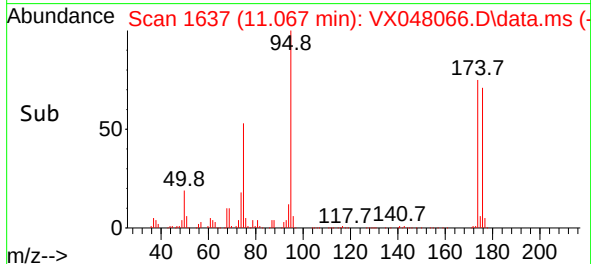
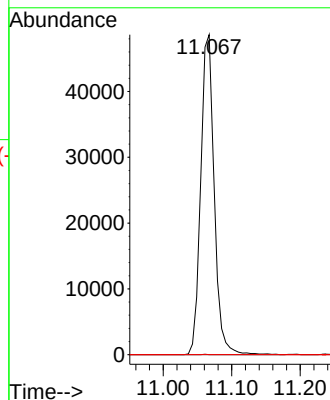
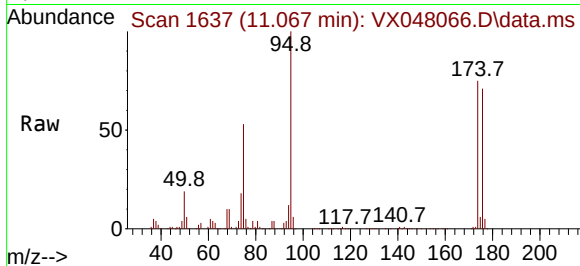




#81
trans-1,4-Dichloro-2-butene
Concen: 61.294 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

Tgt Ion: 75 Resp: 66787
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.446 ug/l
RT: 13.713 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 225 Resp: 448
Ion Ratio Lower Upper
225 100
223 81.5 31.7 95.1
227 95.1 32.0 96.0

