

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092925\  
 Data File : VX047885.D  
 Acq On : 29 Sep 2025 15:41  
 Operator : JC/MD  
 Sample : Q3213-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_X  
**ClientSampleId :**  
 BP-VPB-184-TB-20250923

Quant Time: Sep 30 01:22:36 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

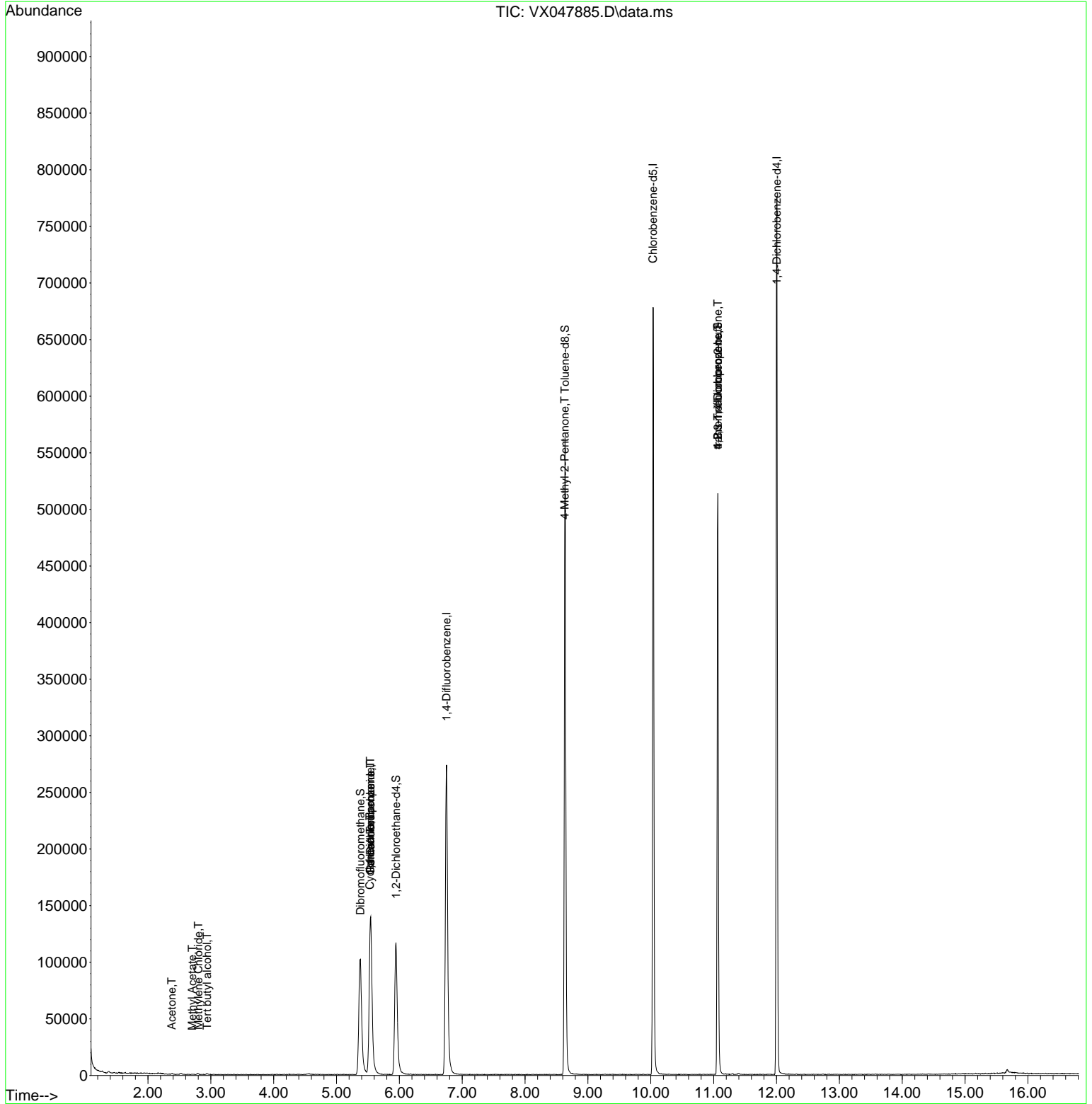
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.543	168	141653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	299169	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	307943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	161425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	124215	55.090	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	110.180%	
35) Dibromofluoromethane	5.379	113	101921	50.798	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.600%	
50) Toluene-d8	8.634	98	340143	48.994	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	97.980%	
62) 4-Bromofluorobenzene	11.067	95	148173	56.237	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	112.480%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.940	59	61	0.243	ug/l #	72
16) Acetone	2.379	43	1112	1.134	ug/l #	71
18) Methyl Acetate	2.702	43	447	0.205	ug/l #	54
20) Methylene Chloride	2.800	84	518	0.250	ug/l #	64
31) Cyclohexane	5.531	56	3299	1.107	ug/l #	4
36) 1,1-Dichloropropene	5.537	75	11981	4.087	ug/l #	51
38) Carbon Tetrachloride	5.537	117	15645	4.911	ug/l #	18
51) 4-Methyl-2-Pentanone	8.628	43	1685	0.590	ug/l #	1
76) 1,2,3-Trichloropropane	11.067	75	76029	23.262	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.067	75	76029	59.322	ug/l #	8
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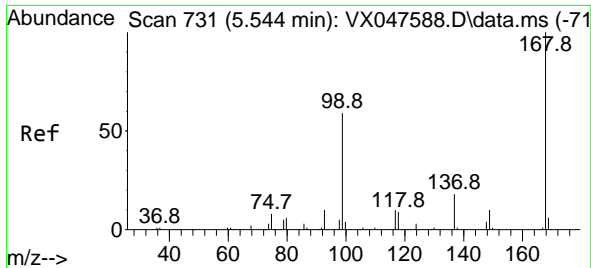
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 BP-VPB-184-TB-20250923

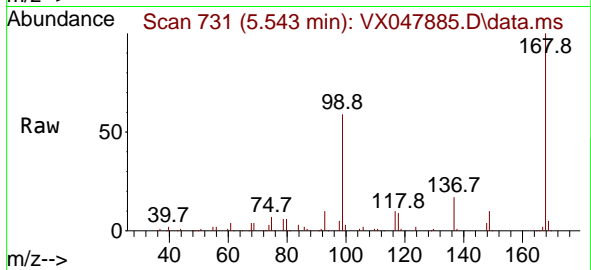
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
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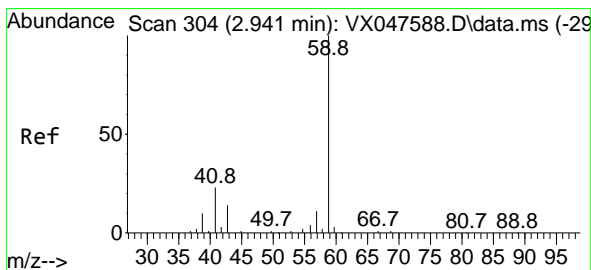
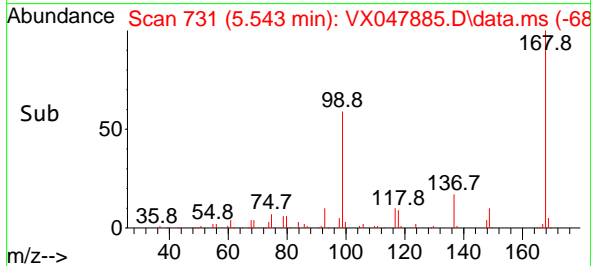
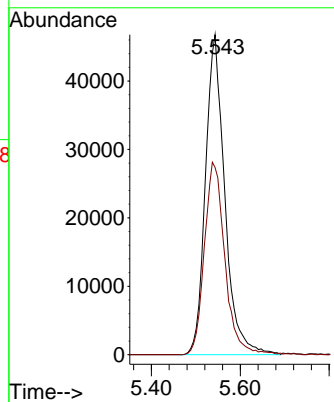


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.543 min Scan# 71  
 Delta R.T. -0.001 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

Instrument : MSVOA\_X  
 ClientSampleId : BP-VPB-184-TB-20250923

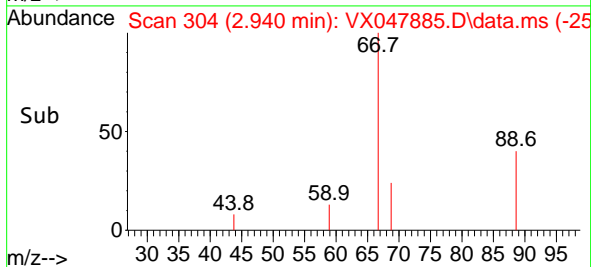
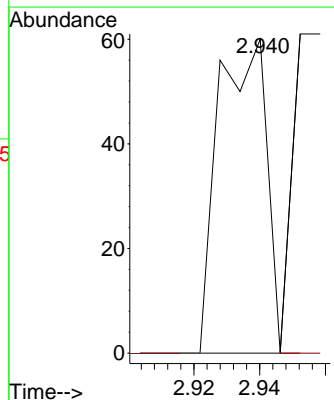
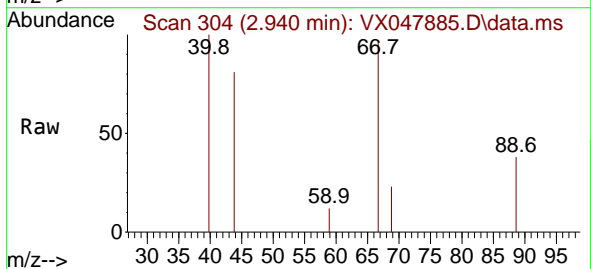


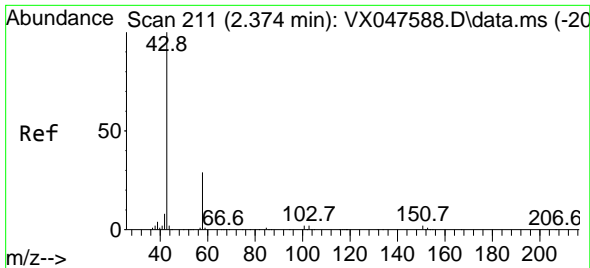
Tgt Ion:168 Resp: 141653  
 Ion Ratio Lower Upper  
 168 100  
 99 58.5 48.8 73.2



#11  
 Tert butyl alcohol  
 Concen: 0.243 ug/l  
 RT: 2.940 min Scan# 304  
 Delta R.T. -0.000 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

Tgt Ion: 59 Resp: 61  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.3 12.5#

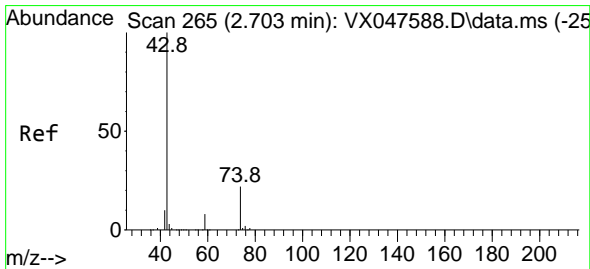
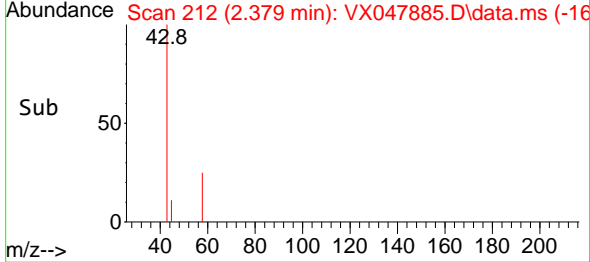
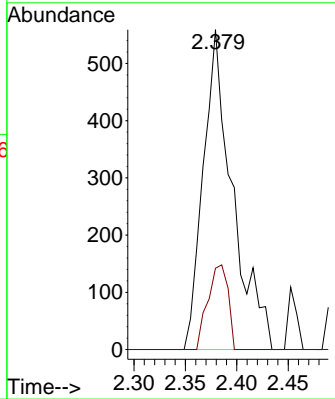
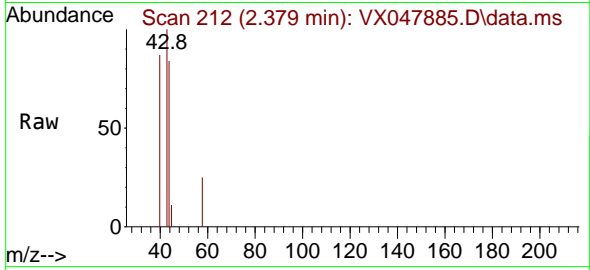




#16  
 Acetone  
 Concen: 1.134 ug/l  
 RT: 2.379 min Scan# 211  
 Delta R.T. 0.006 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

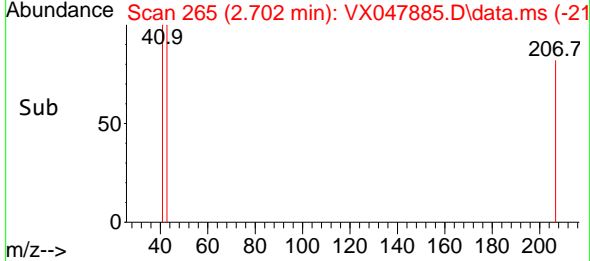
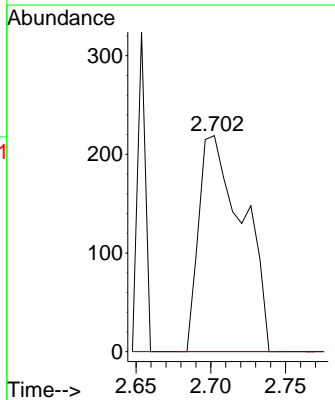
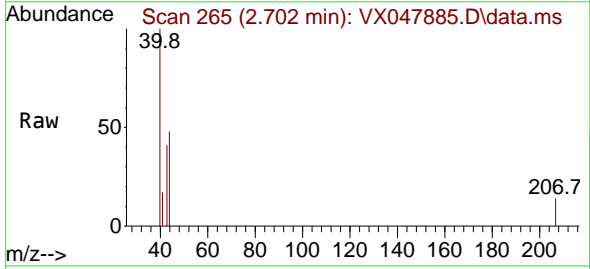
Instrument : MSVOA\_X  
 Client SampleId : BP-VPB-184-TB-20250923

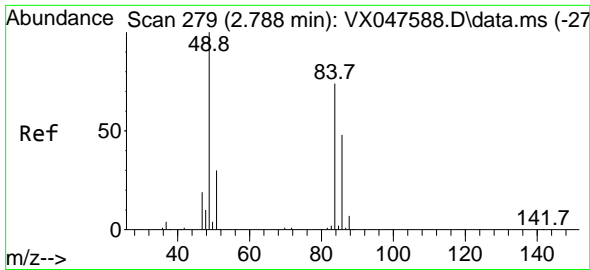
Tgt Ion: 43 Resp: 1112  
 Ion Ratio Lower Upper  
 43 100  
 58 13.8 23.4 35.0#



#18  
 Methyl Acetate  
 Concen: 0.205 ug/l  
 RT: 2.702 min Scan# 265  
 Delta R.T. -0.000 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

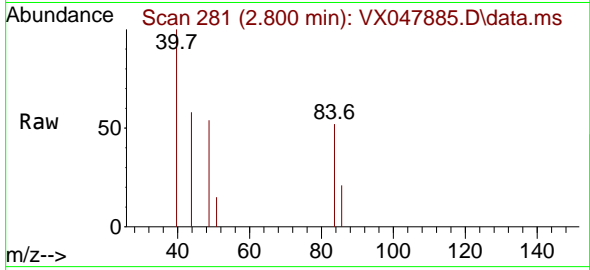
Tgt Ion: 43 Resp: 447  
 Ion Ratio Lower Upper  
 43 100  
 74 0.0 17.4 26.2#



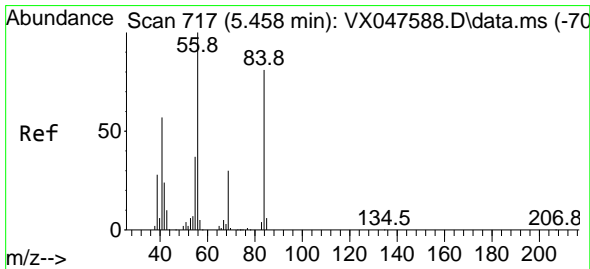
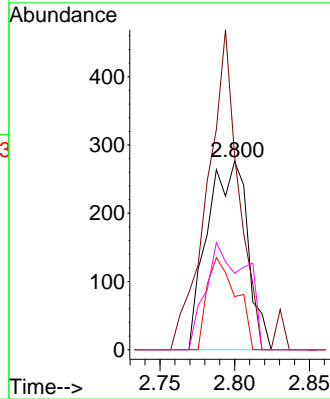
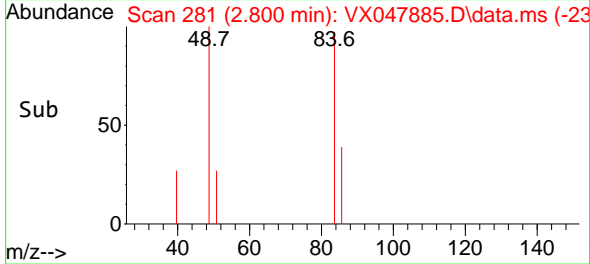


#20  
 Methylene Chloride  
 Concen: 0.250 ug/l  
 RT: 2.800 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

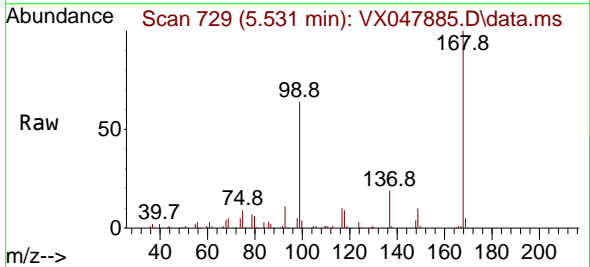
Instrument : MSVOA\_X  
 ClientSampleId : BP-VPB-184-TB-20250923



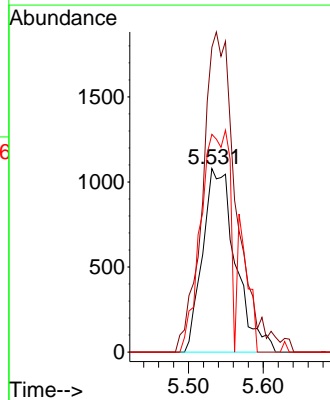
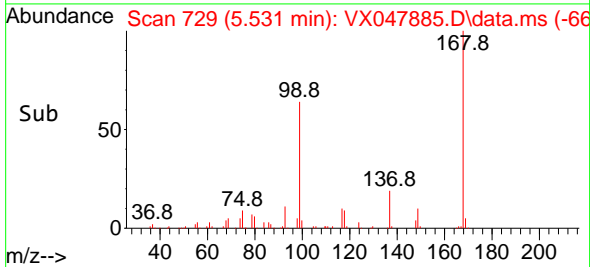
Tgt Ion: 84 Resp: 518  
 Ion Ratio Lower Upper  
 84 100  
 49 84.4 108.6 162.8#  
 51 28.3 32.6 48.8#  
 86 40.6 52.0 78.0#

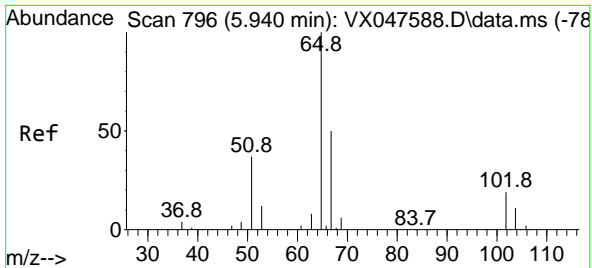


#31  
 Cyclohexane  
 Concen: 1.107 ug/l  
 RT: 5.531 min Scan# 729  
 Delta R.T. 0.073 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41



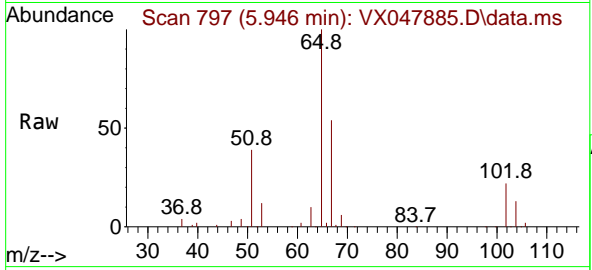
Tgt Ion: 56 Resp: 3299  
 Ion Ratio Lower Upper  
 56 100  
 69 160.8 23.8 35.8#  
 84 118.6 64.6 97.0#



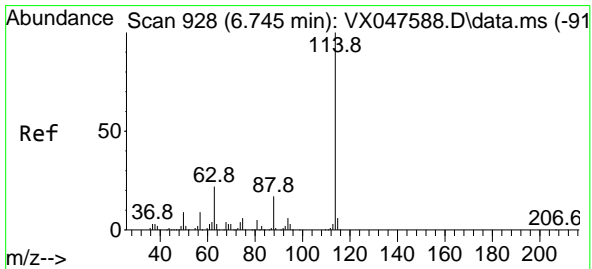
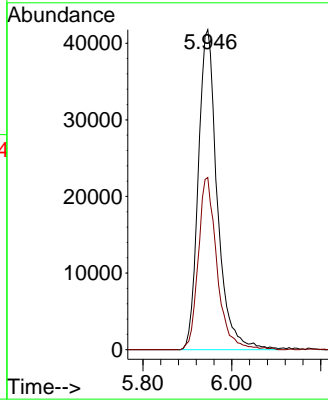
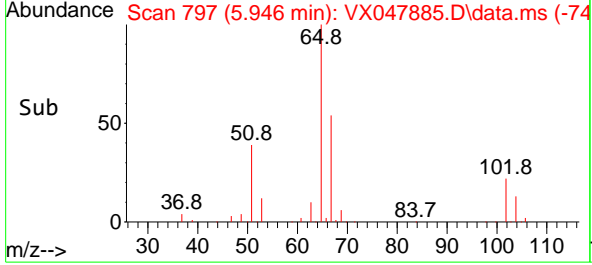


#33  
 1,2-Dichloroethane-d4  
 Concen: 55.090 ug/l  
 RT: 5.946 min Scan# 796  
 Delta R.T. 0.006 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

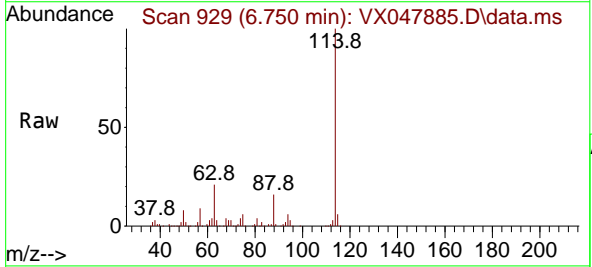
Instrument : MSVOA\_X  
 ClientSampleId : BP-VPB-184-TB-20250923



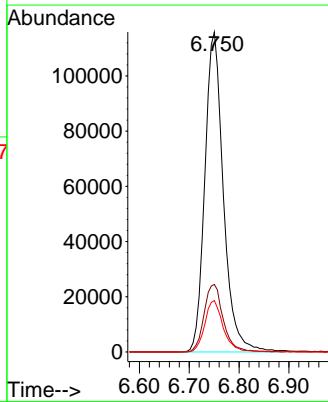
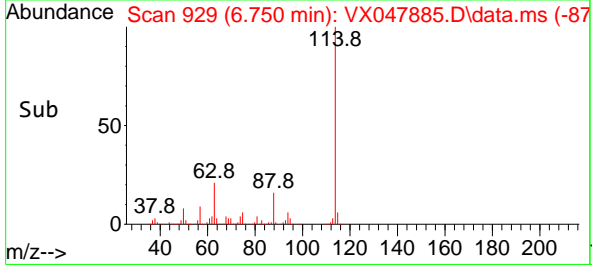
Tgt Ion: 65 Resp: 124215  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 103.0

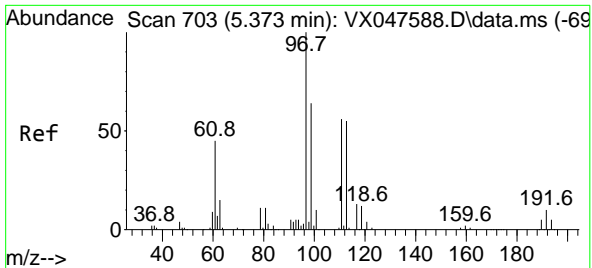


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.750 min Scan# 929  
 Delta R.T. 0.006 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41



Tgt Ion: 114 Resp: 299169  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 44.0  
 88 16.1 0.0 34.2

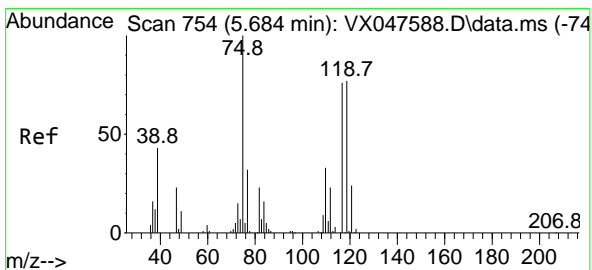
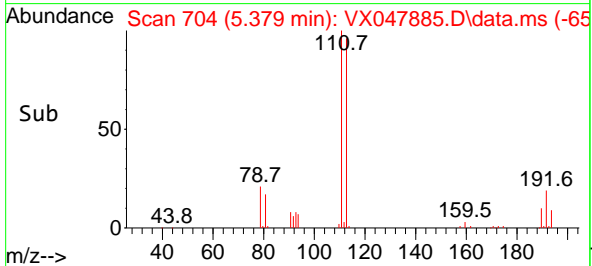
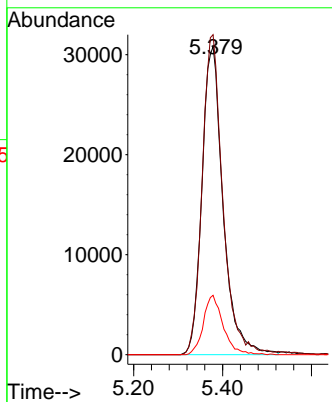
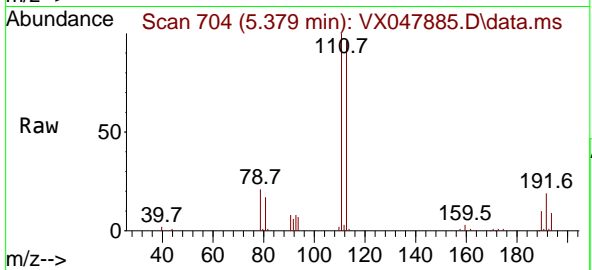




#35  
 Dibromofluoromethane  
 Concen: 50.798 ug/l  
 RT: 5.379 min Scan# 703  
 Delta R.T. 0.006 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

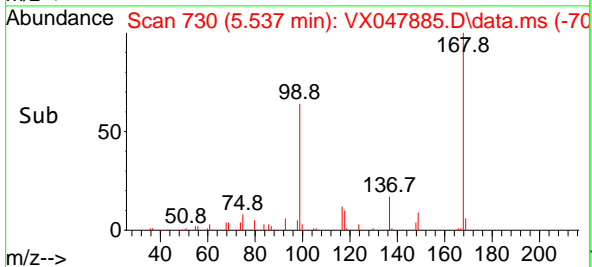
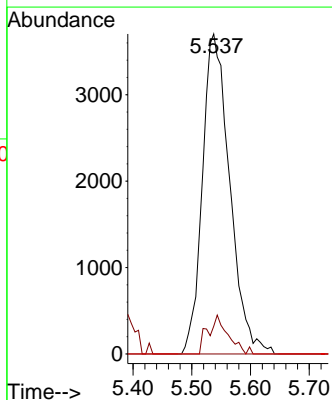
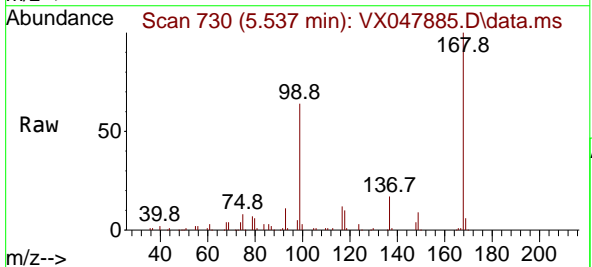
Instrument : MSVOA\_X  
 ClientSampleId : BP-VPB-184-TB-20250923

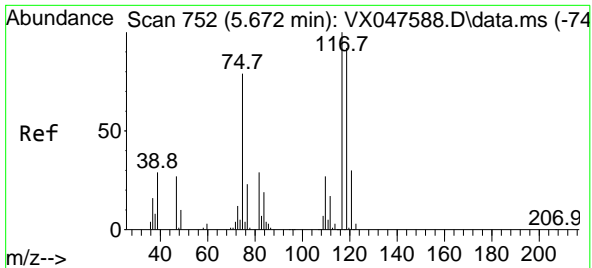
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.4	80.9	121.3
192	18.1	14.2	21.4



#36  
 1,1-Dichloropropene  
 Concen: 4.087 ug/l  
 RT: 5.537 min Scan# 730  
 Delta R.T. -0.147 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

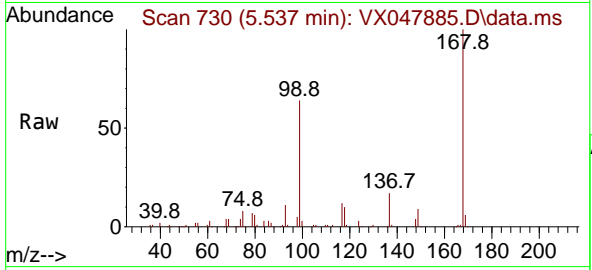
Tgt Ion	Resp	Lower	Upper
75	100		
110	8.7	16.7	50.1#
77	0.0	24.3	36.5#





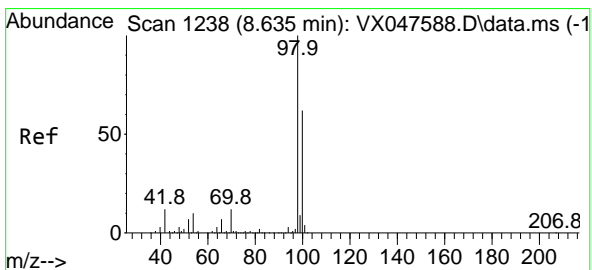
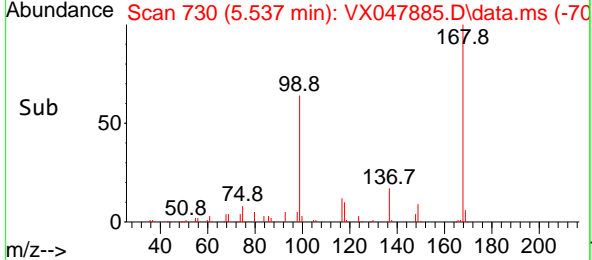
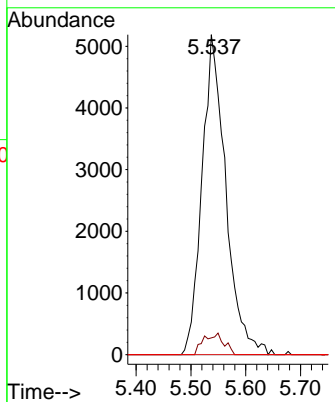
#38  
 Carbon Tetrachloride  
 Concen: 4.911 ug/l  
 RT: 5.537 min Scan# 71  
 Delta R.T. -0.135 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

Instrument : MSVOA\_X  
 ClientSampleId : BP-VPB-184-TB-20250923



Tgt Ion: 117 Resp: 15645

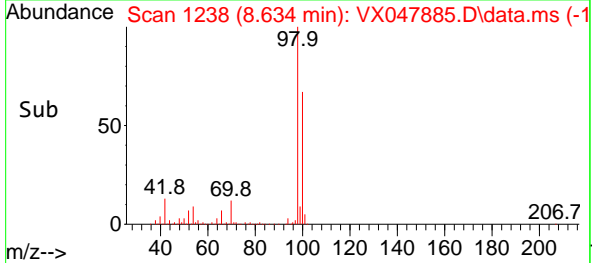
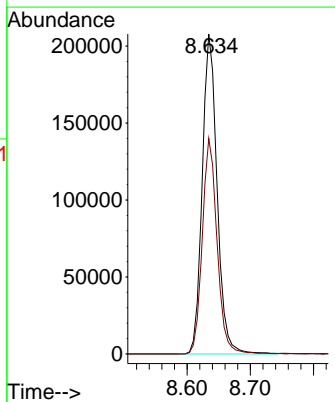
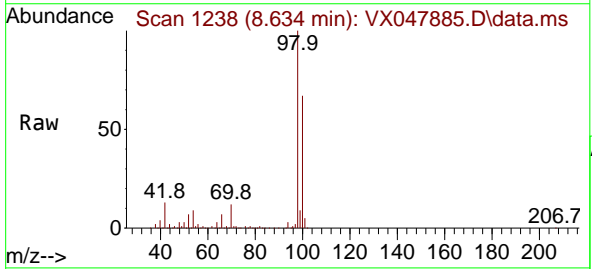
Ion	Ratio	Lower	Upper
117	100		
119	5.2	73.4	110.2#
121	0.0	23.8	35.6#



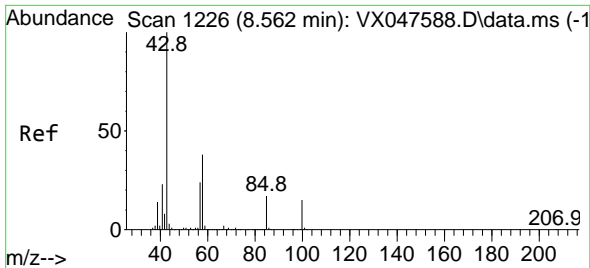
#50  
 Toluene-d8  
 Concen: 48.994 ug/l  
 RT: 8.634 min Scan# 1238  
 Delta R.T. -0.000 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

Tgt Ion: 98 Resp: 340143

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



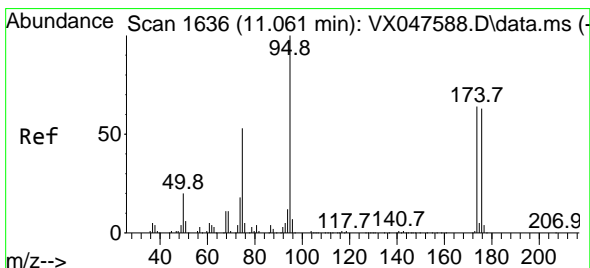
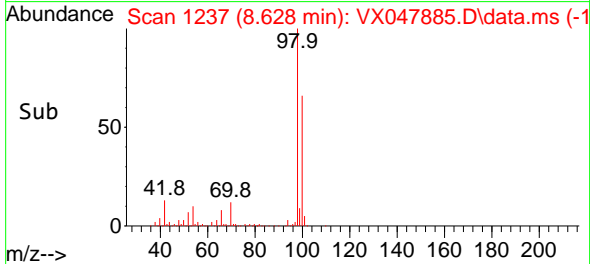
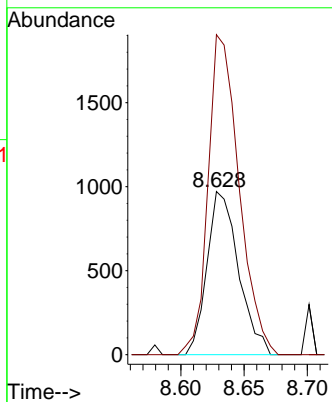
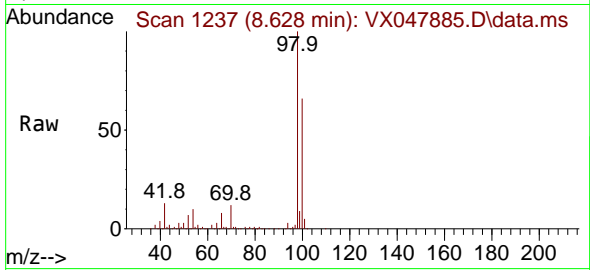




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.590 ug/l  
 RT: 8.628 min Scan# 11  
 Delta R.T. 0.067 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

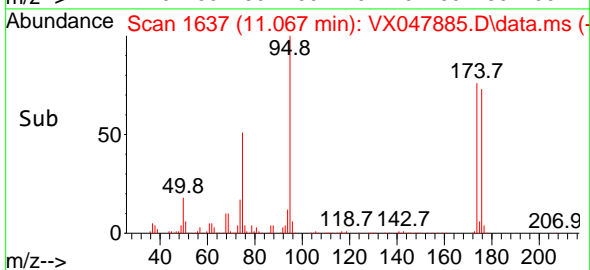
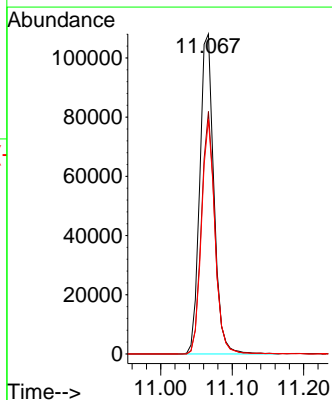
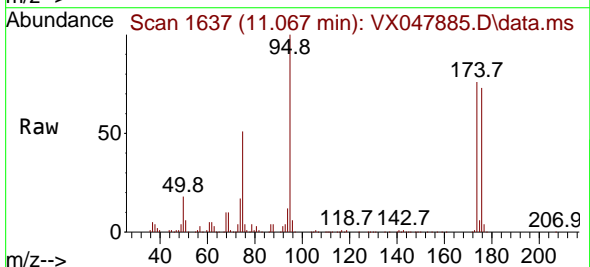
Instrument : MSVOA\_X  
 ClientSampleId : BP-VPB-184-TB-20250923

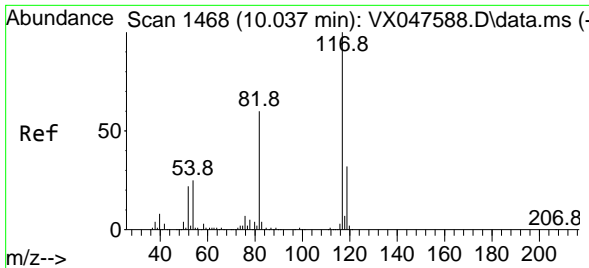
Tgt Ion: 43 Resp: 1685  
 Ion Ratio Lower Upper  
 43 100  
 58 192.8 30.3 45.5#



#62  
 4-Bromofluorobenzene  
 Concen: 56.237 ug/l  
 RT: 11.067 min Scan# 1637  
 Delta R.T. 0.006 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

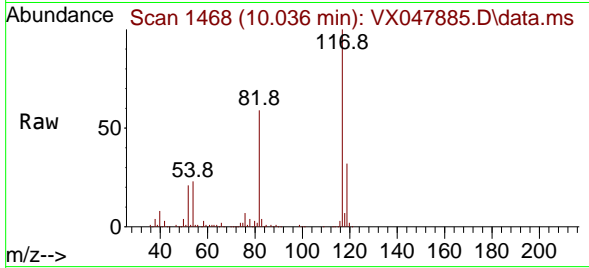
Tgt Ion: 95 Resp: 148173  
 Ion Ratio Lower Upper  
 95 100  
 174 72.4 0.0 141.6  
 176 70.1 0.0 138.4





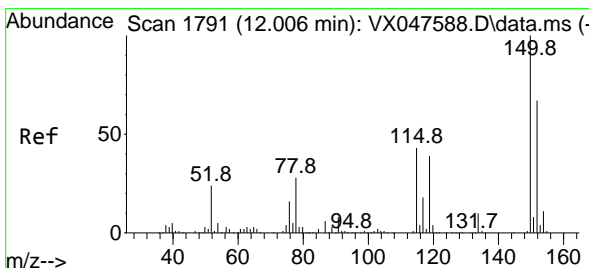
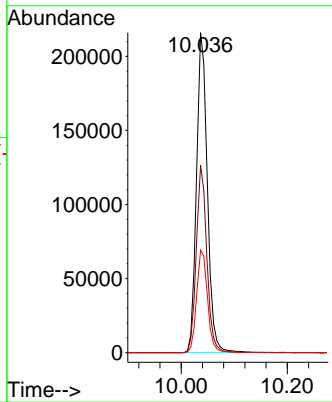
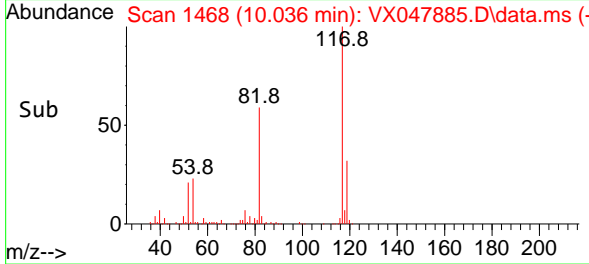
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.036 min Scan# 14  
 Delta R.T. -0.000 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

Instrument : MSVOA\_X  
 ClientSampleId : BP-VPB-184-TB-20250923

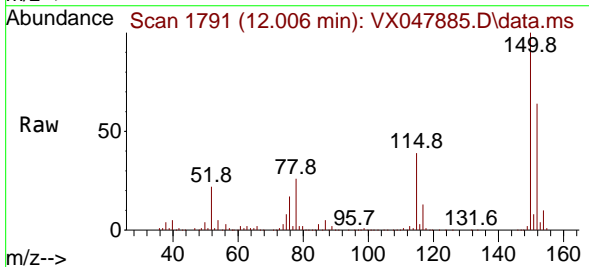


Tgt Ion:117 Resp: 307943

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	32.1	25.2	37.8

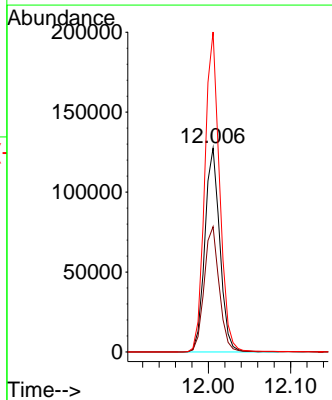
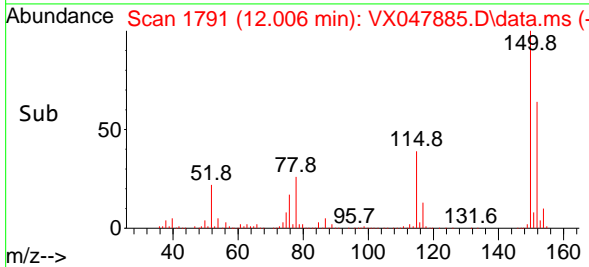


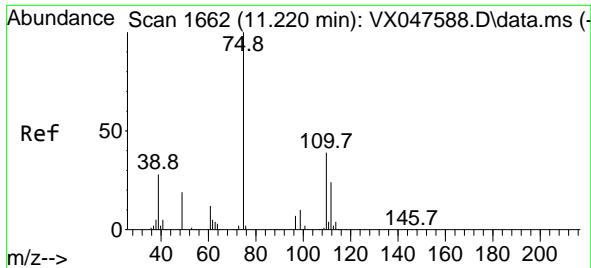
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41



Tgt Ion:152 Resp: 161425

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.9	134.5
150	155.5	0.0	352.0

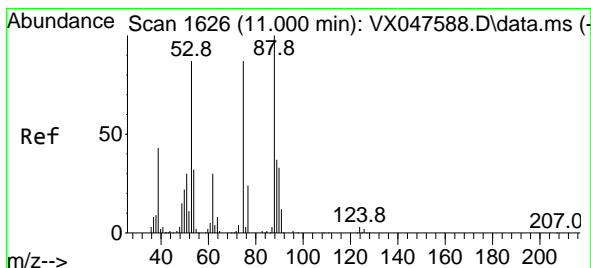
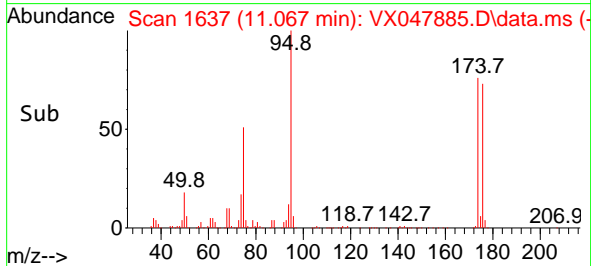
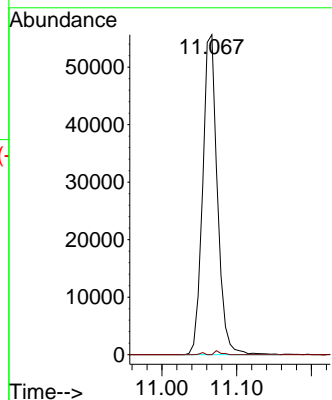
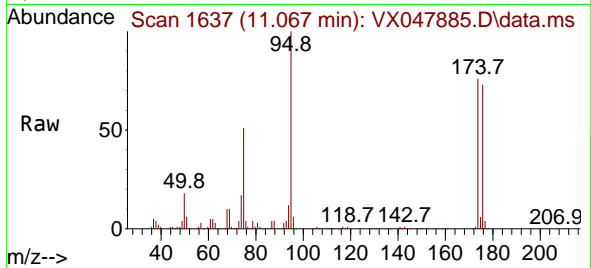




#76  
 1,2,3-Trichloropropane  
 Concen: 23.262 ug/l  
 RT: 11.067 min Scan# 1637  
 Delta R.T. -0.153 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

Instrument : MSVOA\_X  
 ClientSampleId : BP-VPB-184-TB-20250923

Tgt Ion: 75 Resp: 76029  
 Ion Ratio Lower Upper  
 75 100  
 77 0.5 18.8 56.4#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 59.322 ug/l  
 RT: 11.067 min Scan# 1637  
 Delta R.T. 0.067 min  
 Lab File: VX047885.D  
 Acq: 29 Sep 2025 15:41

Tgt Ion: 75 Resp: 76029  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 83.4 125.2#  
 89 0.0 36.3 54.5#

