

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092122\  
 Data File : VX031515.D  
 Acq On : 21 Sep 2022 11:24  
 Operator : JC/MD  
 Sample : N4583-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Sep 22 01:11:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 09:45:29 2022  
 Response via : Initial Calibration

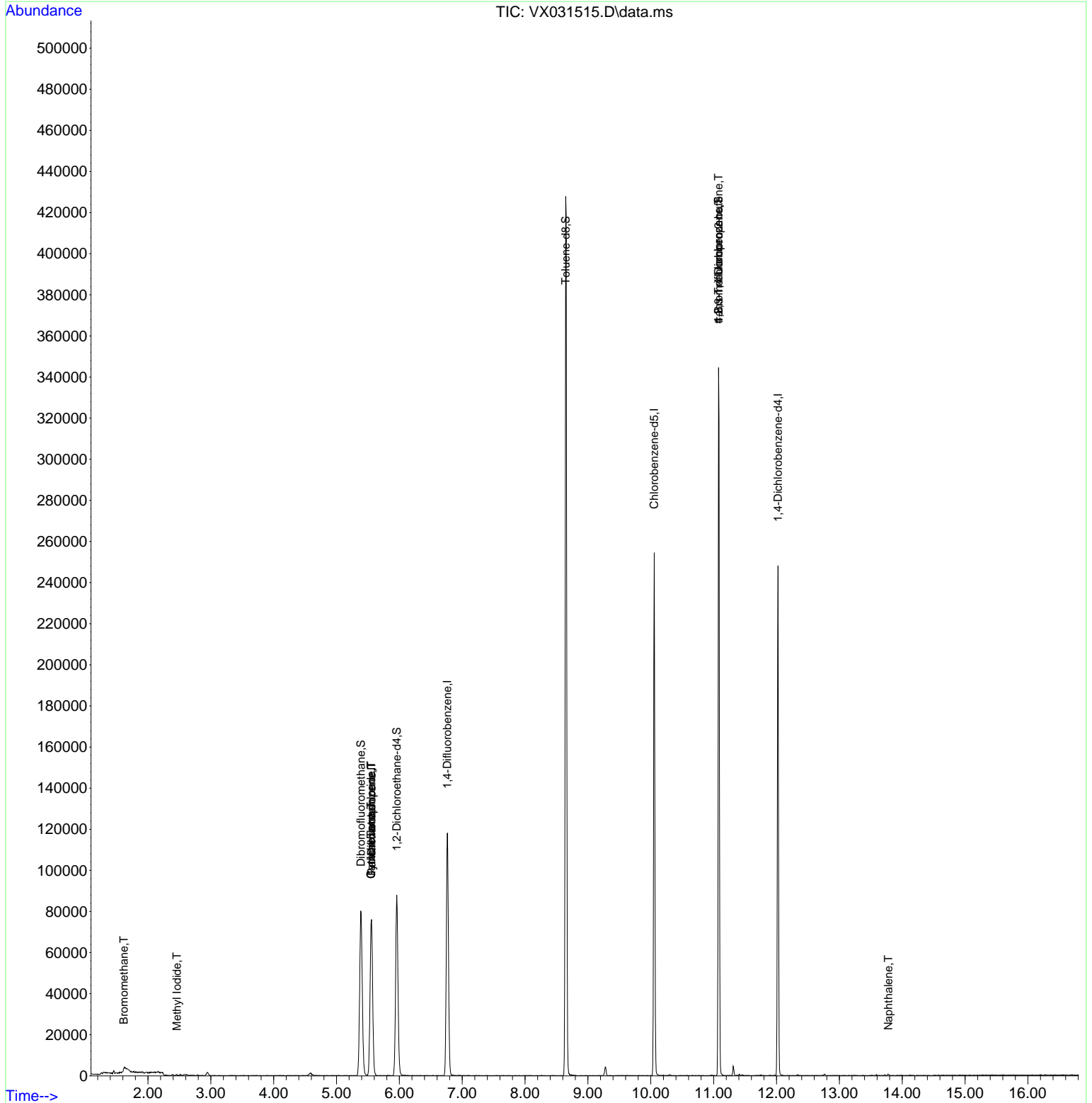
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	5.556	168	74390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	120707	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76700	56.251	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	112.500%	
35) Dibromofluoromethane	5.385	113	65507	52.542	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	105.080%	
50) Toluene-d8	8.646	98	252151	52.432	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	104.860%	
62) 4-Bromofluorobenzene	11.079	95	77100	47.330	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	94.660%	
Target Compounds						
						Qvalue
5) Bromomethane	1.617	94	462	0.201	ug/l	88
6) Chloroethane	1.666	64	114	Below Cal	#	43
10) Methyl Iodide	2.459	142	376	0.324	ug/l #	90
11) Tert butyl alcohol	2.946	59	991	Below Cal	#	73
13) Acrolein	2.007	56	21	Below Cal	#	15
16) Acetone	2.398	43	640	Below Cal	#	79
20) Methylene Chloride	2.788	84	171	Below Cal	#	55
31) Cyclohexane	5.549	56	1726	0.853	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	5874	3.061	ug/l #	50
38) Carbon Tetrachloride	5.549	117	7095	3.336	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	11.079	83	128	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	44871	41.038	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	44871	132.136	ug/l #	11
94) Hexachlorobutadiene	13.719	225	30	Below Cal	#	1
95) Naphthalene	13.780	128	783	0.223	ug/l #	72
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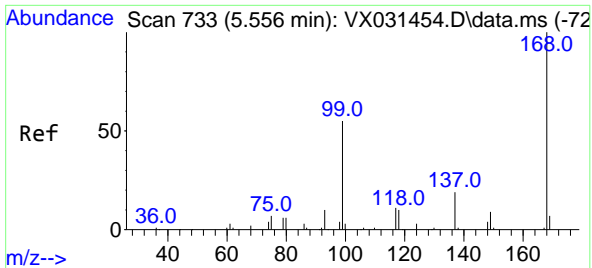
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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**Instrument :**  
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**ClientSampleId :**  
 STORAGE-BLANK-SOIL-REF-6

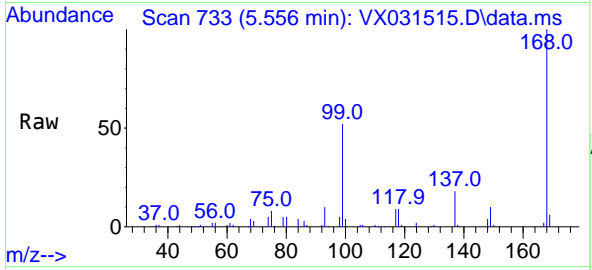
Quant Time: Sep 22 01:11:48 2022  
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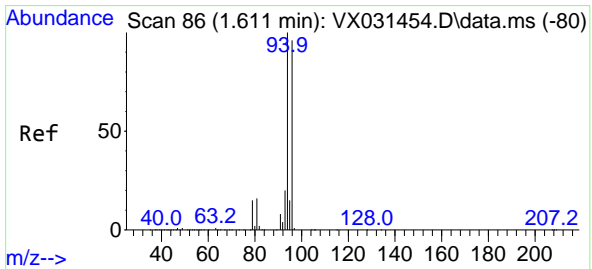
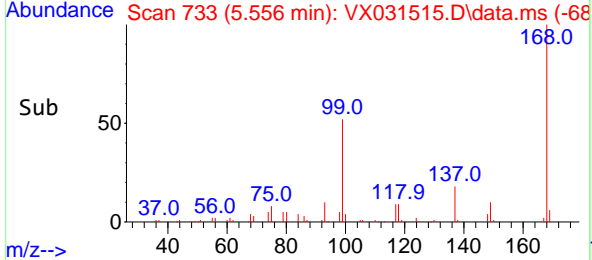
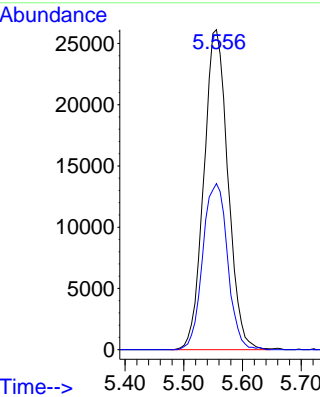


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.556 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

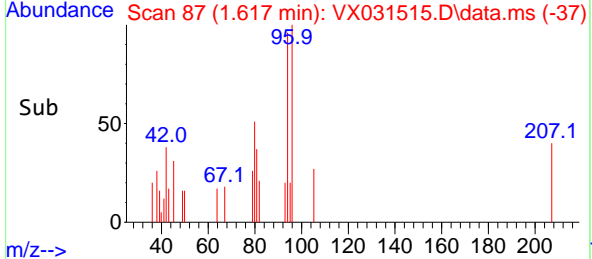
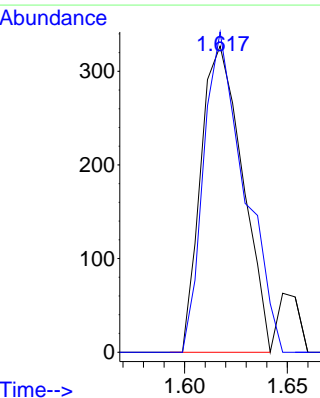
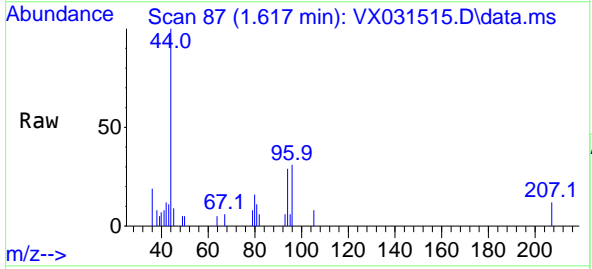


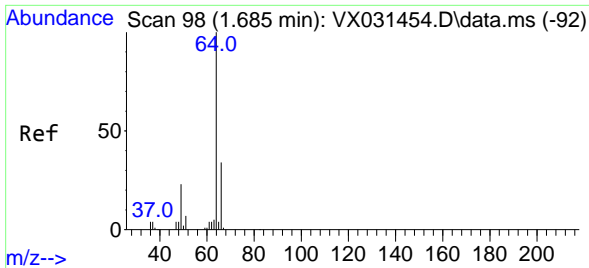
Tgt Ion:168 Resp: 74390  
 Ion Ratio Lower Upper  
 168 100  
 99 51.9 48.8 73.2



#5  
 Bromomethane  
 Concen: 0.201 ug/l  
 RT: 1.617 min Scan# 87  
 Delta R.T. 0.006 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Tgt Ion: 94 Resp: 462  
 Ion Ratio Lower Upper  
 94 100  
 96 104.6 74.4 111.6

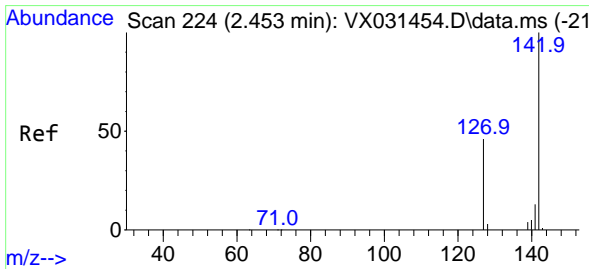
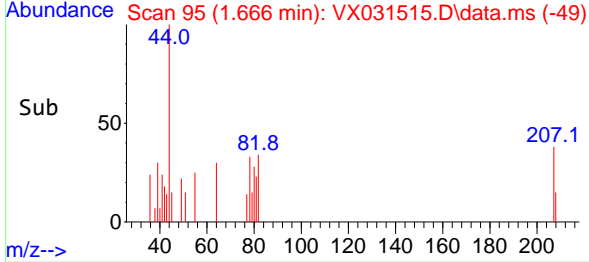
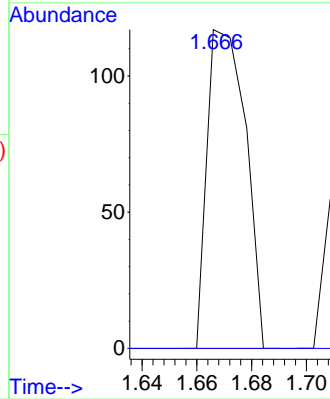
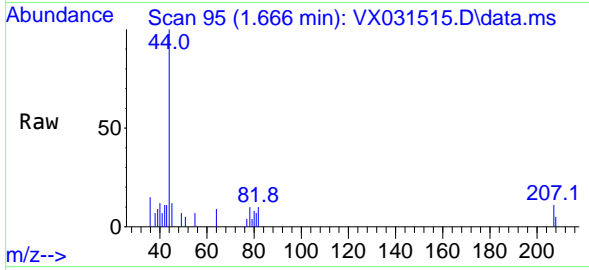




#6  
 Chloroethane  
 Concen: Below Cal  
 RT: 1.666 min Scan# 91  
 Delta R.T. -0.019 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

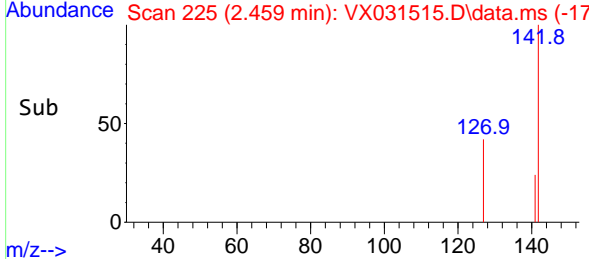
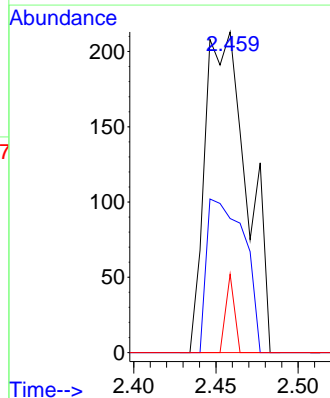
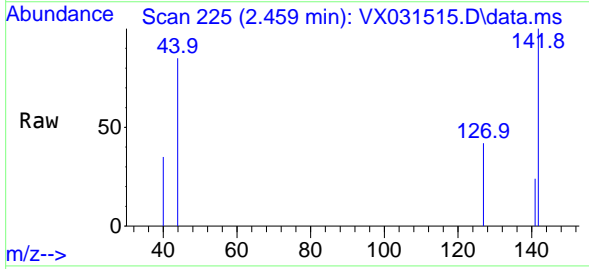
Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

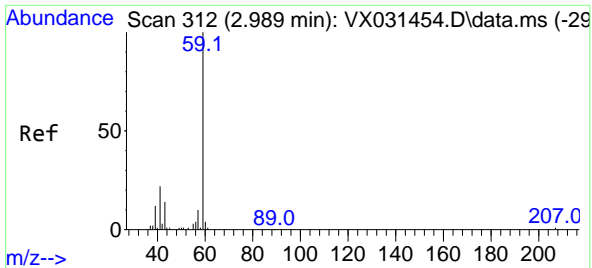
Tgt Ion: 64 Resp: 114  
 Ion Ratio Lower Upper  
 64 100  
 66 0.0 25.0 37.4#



#10  
 Methyl Iodide  
 Concen: 0.324 ug/l  
 RT: 2.459 min Scan# 225  
 Delta R.T. 0.006 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

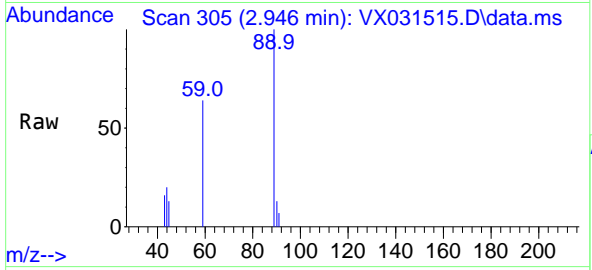
Tgt Ion:142 Resp: 376  
 Ion Ratio Lower Upper  
 142 100  
 127 43.1 37.4 56.0  
 141 5.1 11.6 17.4#



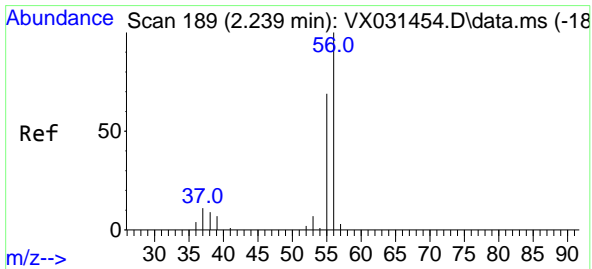
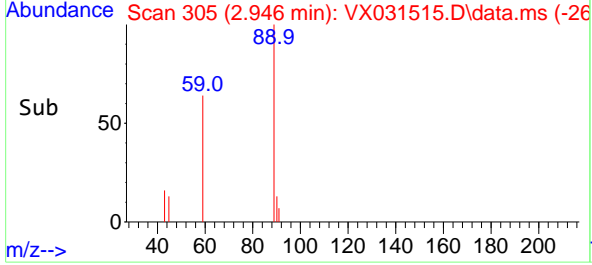
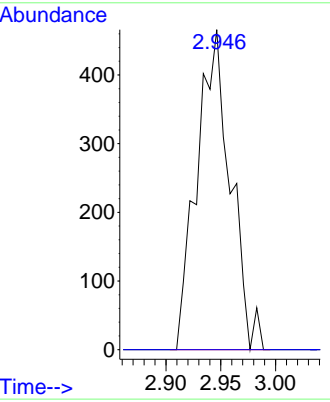


#11  
 Tert butyl alcohol  
 Concen: Below Cal  
 RT: 2.946 min Scan# 305  
 Delta R.T. -0.043 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

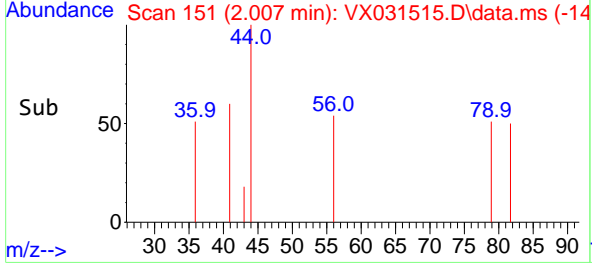
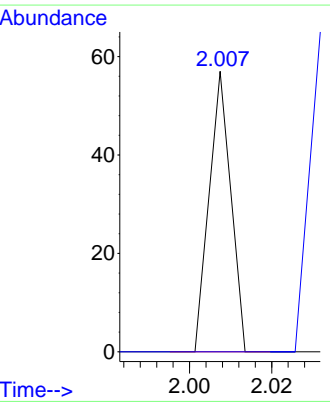
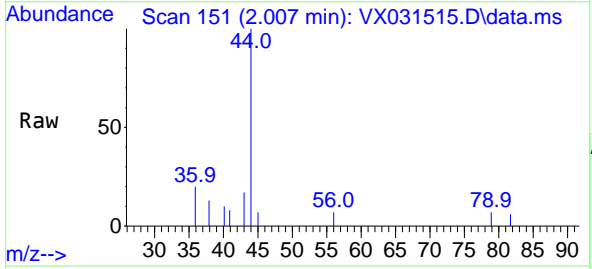


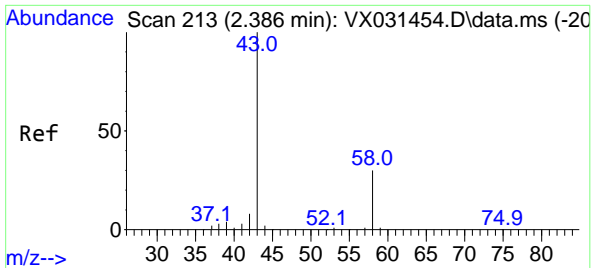
Tgt Ion: 59 Resp: 991  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.2#



#13  
 Acrolein  
 Concen: Below Cal  
 RT: 2.007 min Scan# 151  
 Delta R.T. -0.232 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

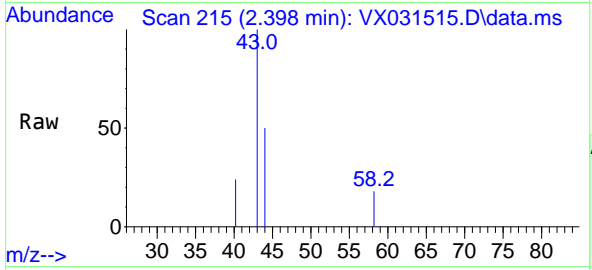
Tgt Ion: 56 Resp: 21  
 Ion Ratio Lower Upper  
 56 100  
 55 0.0 56.0 84.0#



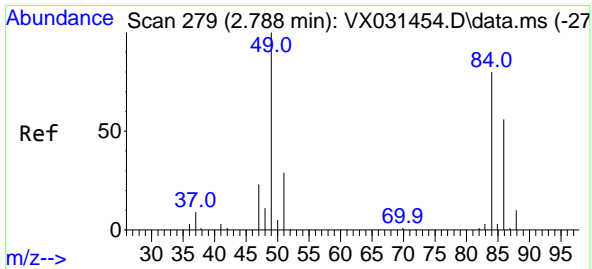
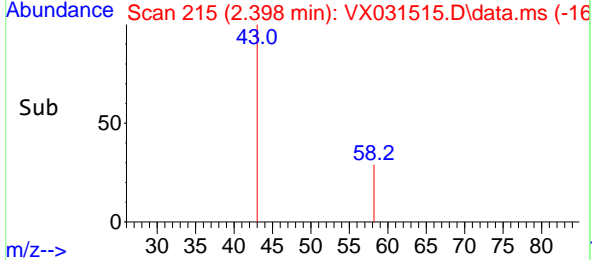
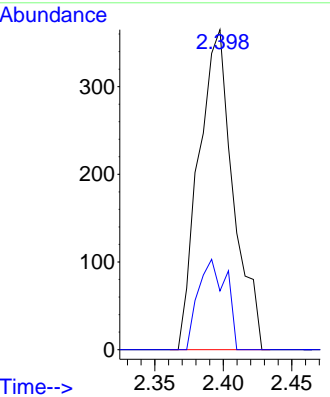


#16  
 Acetone  
 Concen: Below Cal  
 RT: 2.398 min Scan# 215  
 Delta R.T. 0.012 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

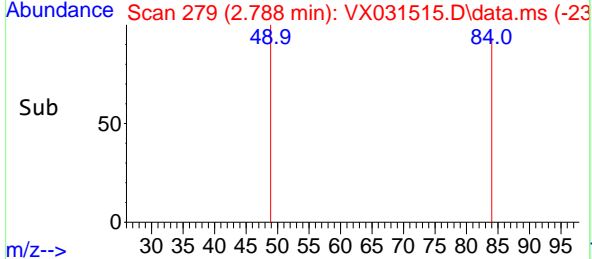
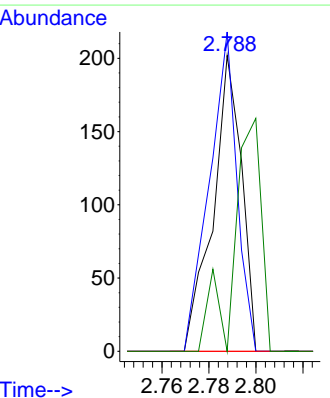
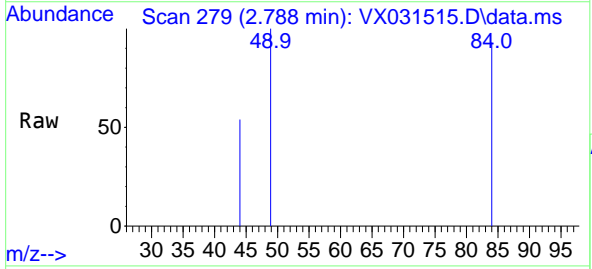


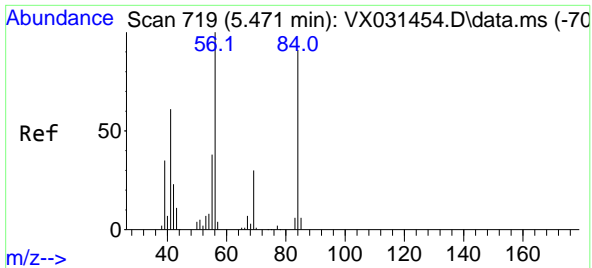
Tgt Ion: 43 Resp: 640  
 Ion Ratio Lower Upper  
 43 100  
 58 18.4 23.8 35.8#



#20  
 Methylene Chloride  
 Concen: Below Cal  
 RT: 2.788 min Scan# 279  
 Delta R.T. -0.000 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

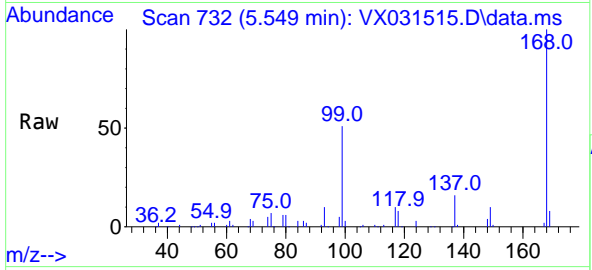
Tgt Ion: 84 Resp: 171  
 Ion Ratio Lower Upper  
 84 100  
 49 107.9 105.9 158.9  
 51 0.0 32.2 48.2#  
 86 0.0 50.8 76.2#



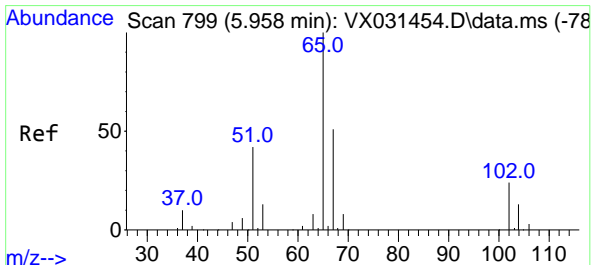
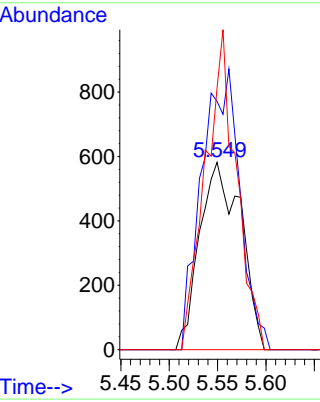
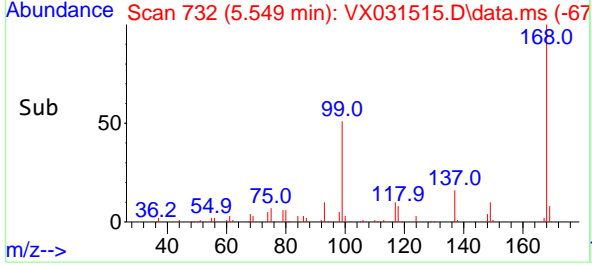


#31  
 Cyclohexane  
 Concen: 0.853 ug/l  
 RT: 5.549 min Scan# 719  
 Delta R.T. 0.078 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

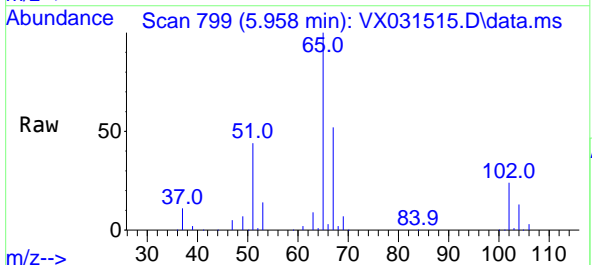
Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6



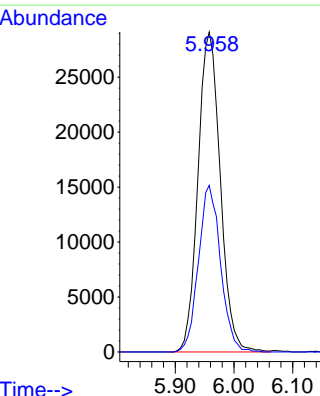
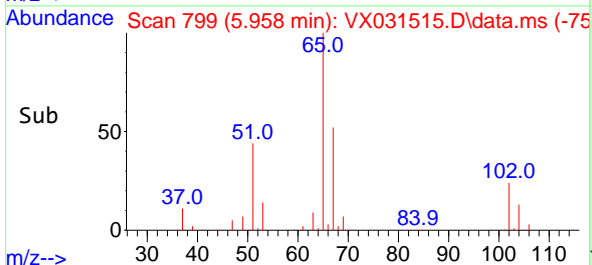
Tgt Ion: 56 Resp: 1726  
 Ion Ratio Lower Upper  
 56 100  
 69 132.5 25.1 37.7#  
 84 139.9 70.2 105.4#

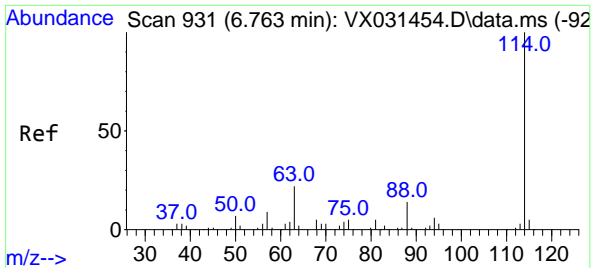


#33  
 1,2-Dichloroethane-d4  
 Concen: 56.251 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. -0.000 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24



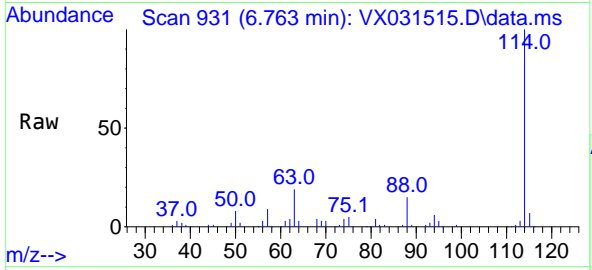
Tgt Ion: 65 Resp: 76700  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 102.4





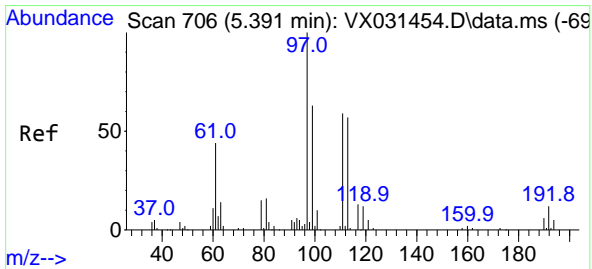
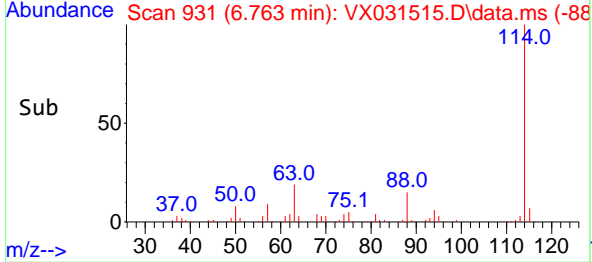
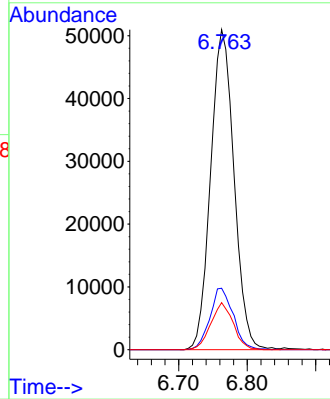
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

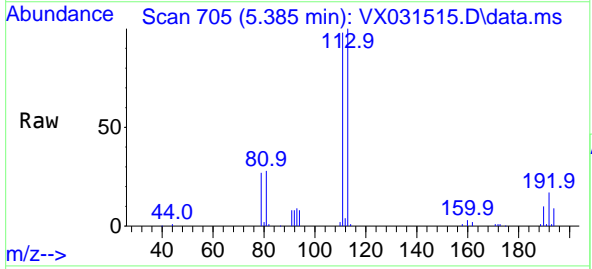


Tgt Ion:114 Resp: 120707

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.6
88	14.7	0.0	33.0

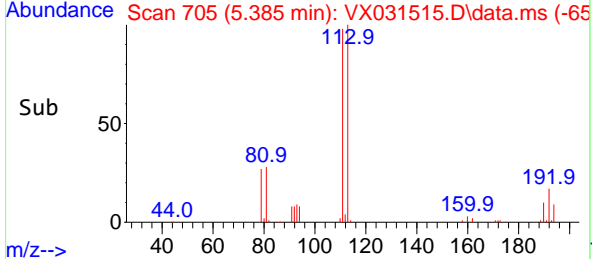
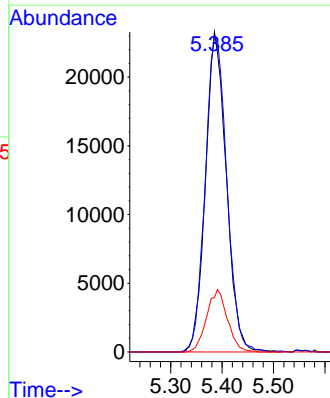


#35  
 Dibromofluoromethane  
 Concen: 52.542 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. -0.006 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

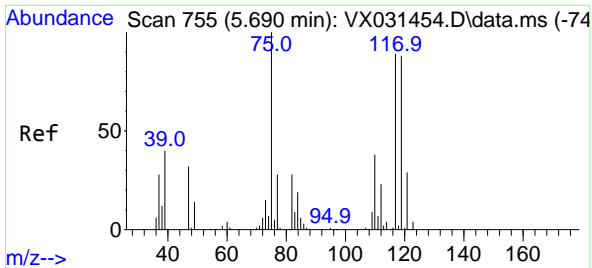


Tgt Ion:113 Resp: 65507

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	19.4	14.1	21.1





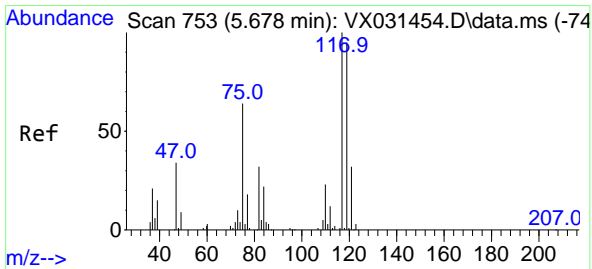
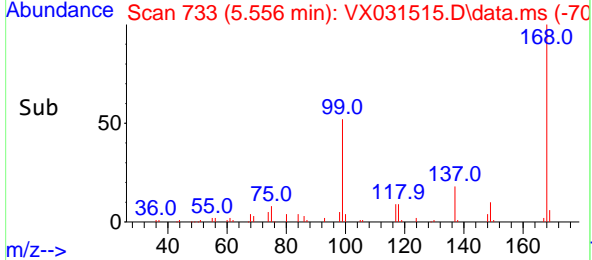
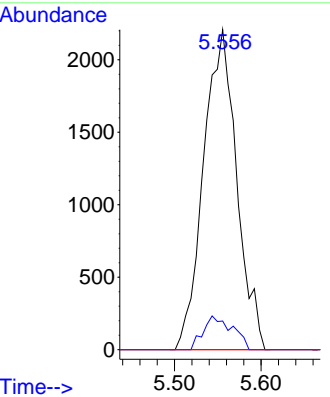
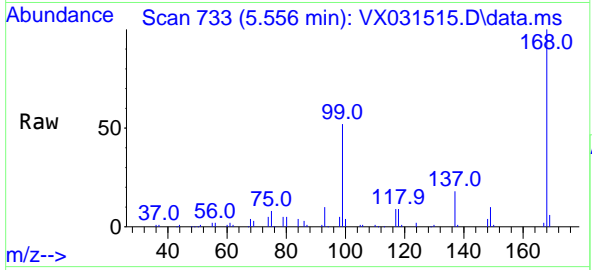


#36  
 1,1-Dichloropropene  
 Concen: 3.061 ug/l  
 RT: 5.556 min Scan# 711  
 Delta R.T. -0.134 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 5874

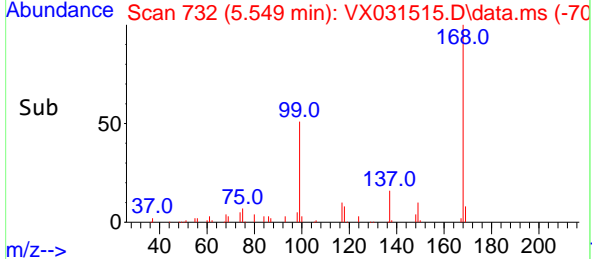
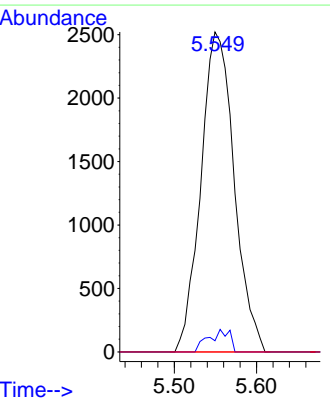
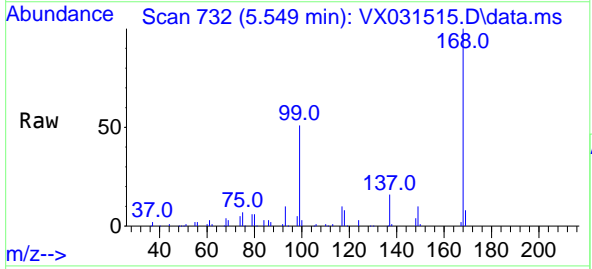
Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.5	52.5#
77	0.0	24.9	37.3#

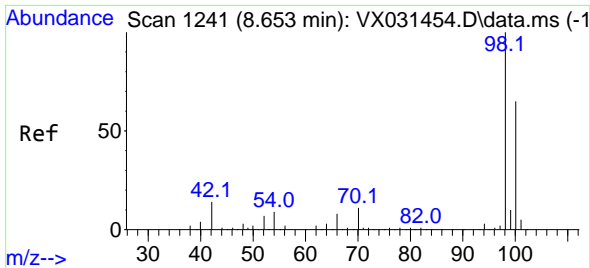


#38  
 Carbon Tetrachloride  
 Concen: 3.336 ug/l  
 RT: 5.549 min Scan# 732  
 Delta R.T. -0.129 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Tgt Ion: 117 Resp: 7095

Ion	Ratio	Lower	Upper
117	100		
119	3.5	74.6	112.0#
121	0.0	25.3	37.9#

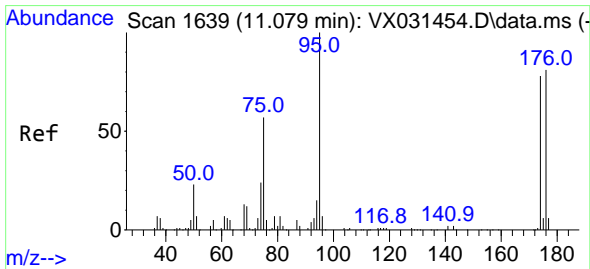
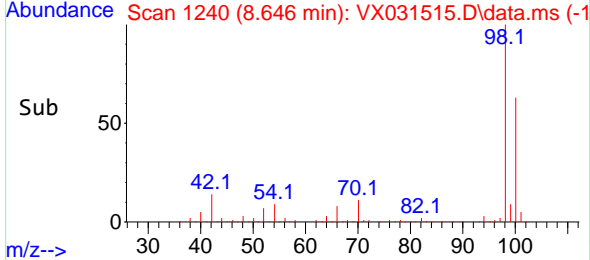
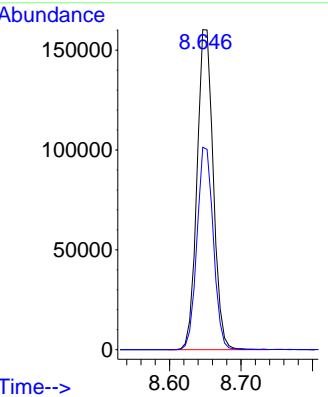
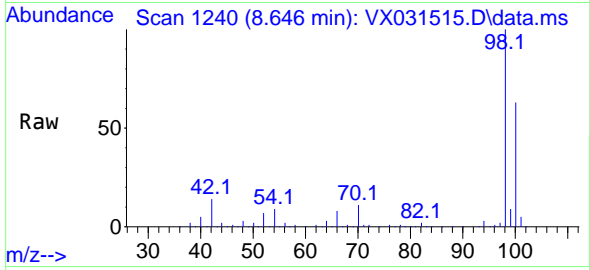




#50  
 Toluene-d8  
 Concen: 52.432 ug/l  
 RT: 8.646 min Scan# 11  
 Delta R.T. -0.007 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

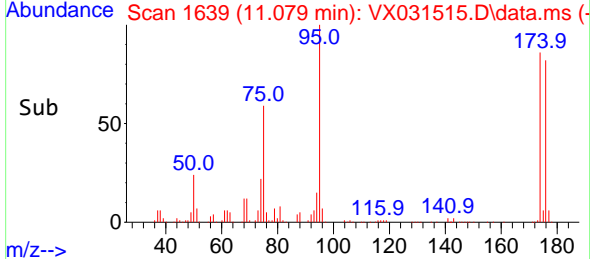
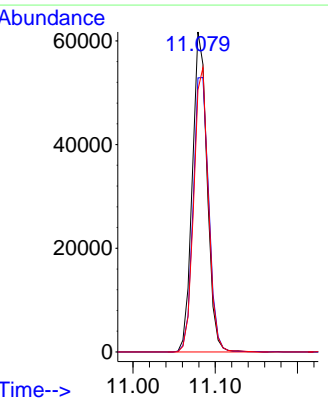
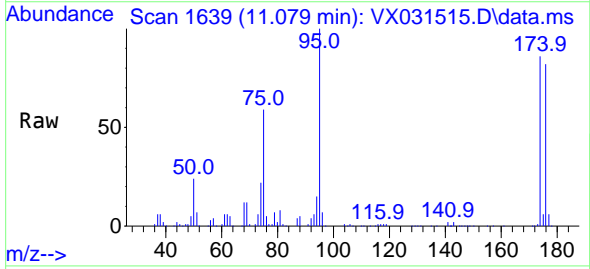
Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

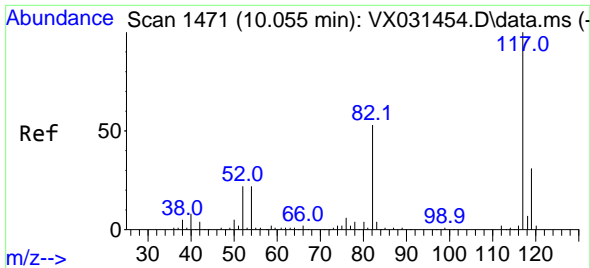
Tgt Ion: 98 Resp: 252151  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 52.5 78.7



#62  
 4-Bromofluorobenzene  
 Concen: 47.330 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.000 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Tgt Ion: 95 Resp: 77100  
 Ion Ratio Lower Upper  
 95 100  
 174 90.4 0.0 153.2  
 176 88.0 0.0 144.0



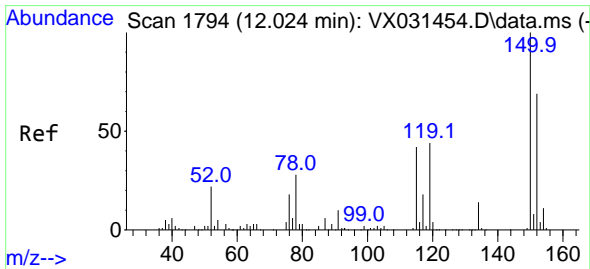
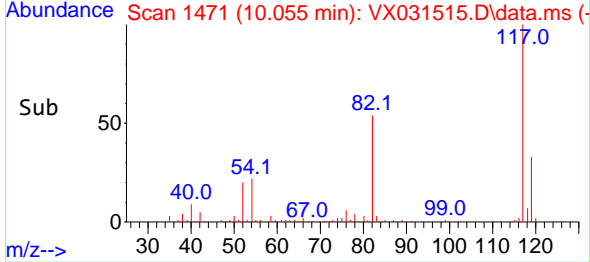
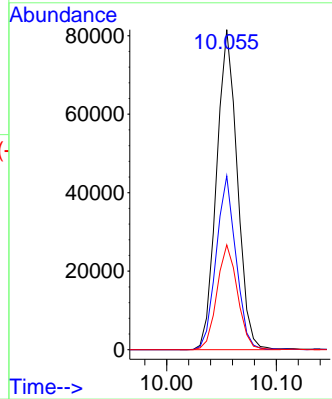
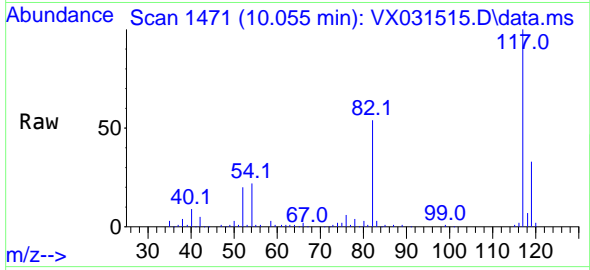


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. -0.000 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 107145

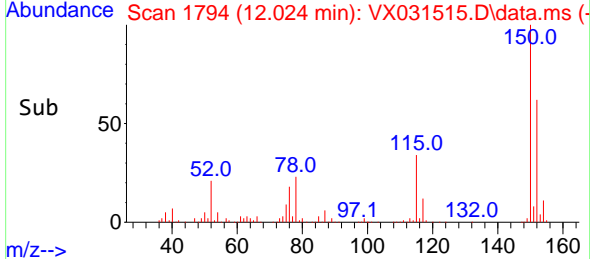
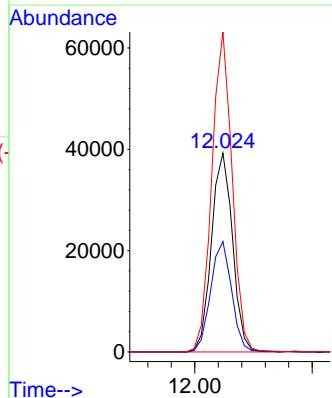
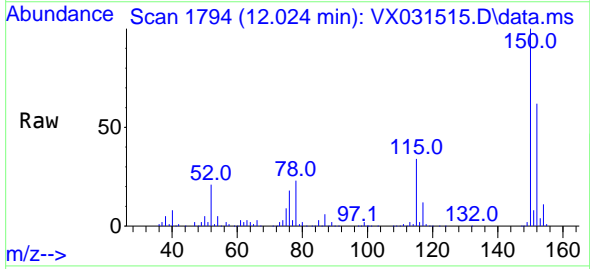
Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.8	70.2
119	32.8	26.4	39.6

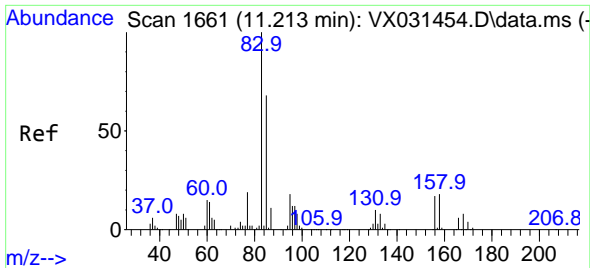


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. -0.000 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Tgt Ion:152 Resp: 48990

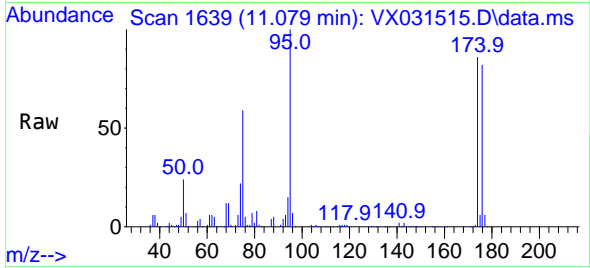
Ion	Ratio	Lower	Upper
152	100		
115	55.5	43.4	130.1
150	155.1	0.0	346.8



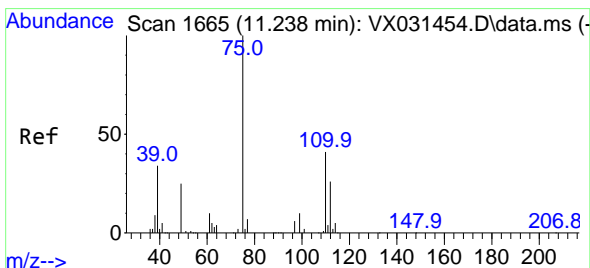
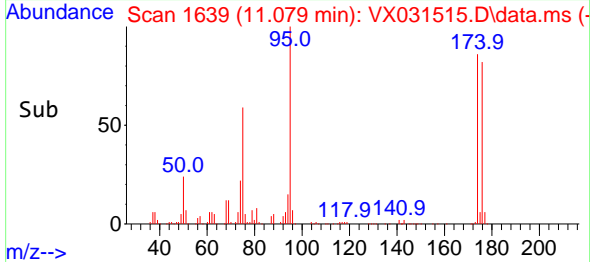
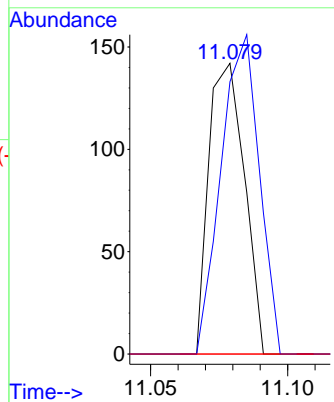


#75  
 1,1,2-Tetrachloroethane  
 Concen: Below Cal  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.134 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument : MSVOA\_X  
 ClientSampleId : STORAGE-BLANK-SOIL-REF-6

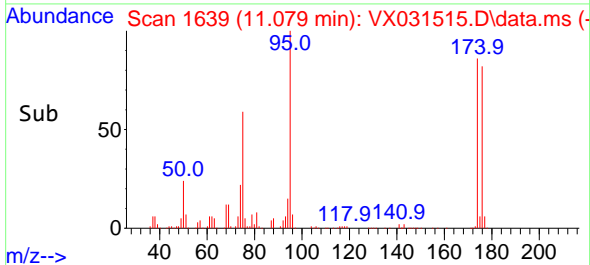
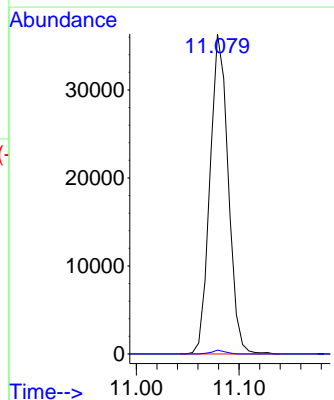
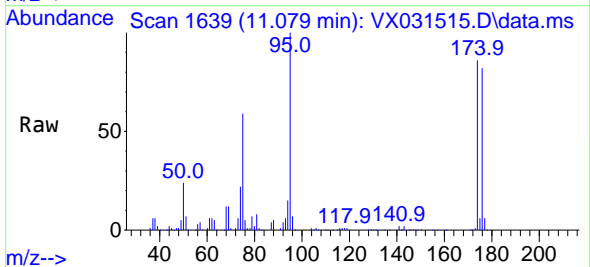


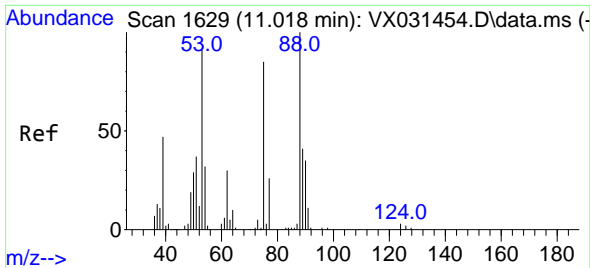
Tgt Ion: 83 Resp: 128  
 Ion Ratio Lower Upper  
 83 100  
 131 118.0 5.1 15.4#  
 85 0.0 32.6 97.8#



#76  
 1,2,3-Trichloropropane  
 Concen: 41.038 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Tgt Ion: 75 Resp: 44871  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 20.3 60.9#



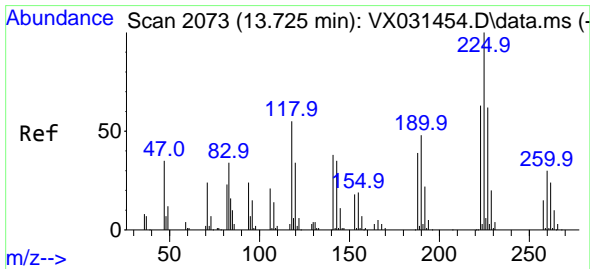
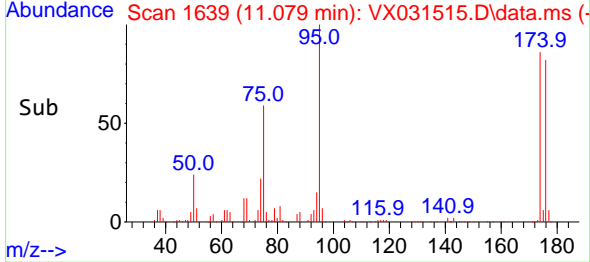
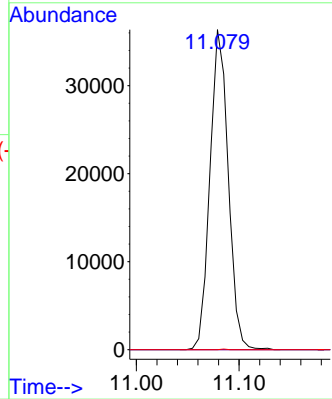
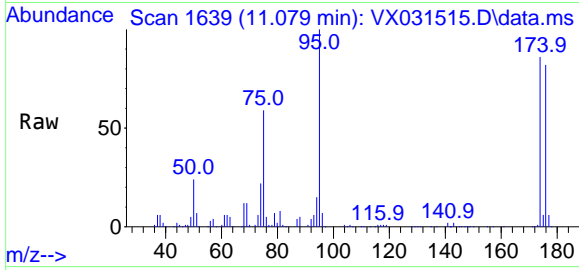


#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 132.136 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 44871

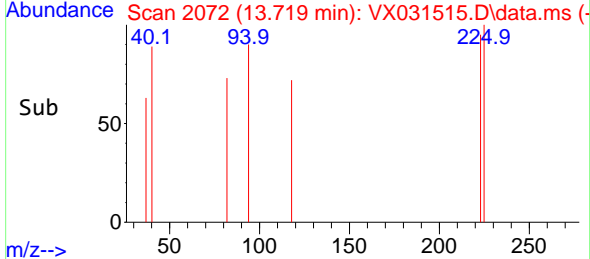
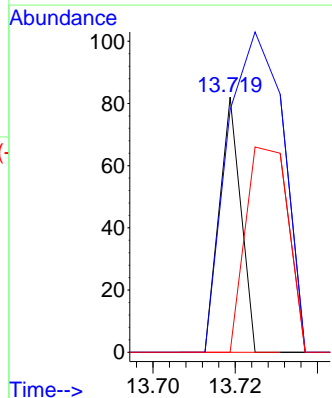
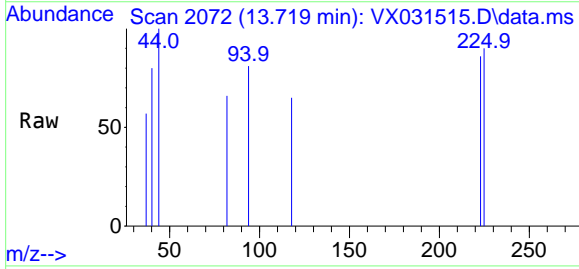
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.6	116.4#
89	0.1	37.4	56.0#

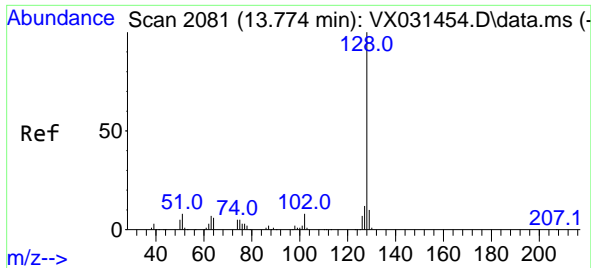


#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 13.719 min Scan# 2072  
 Delta R.T. -0.006 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Tgt Ion: 225 Resp: 30

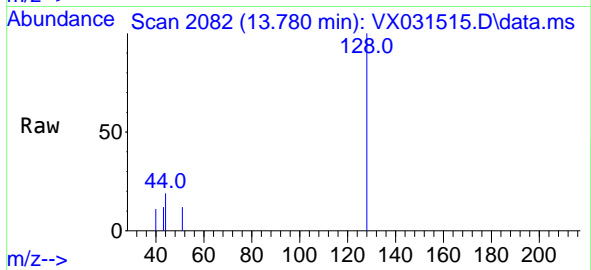
Ion	Ratio	Lower	Upper
225	100		
223	323.3	30.8	92.4#
227	160.0	32.3	96.9#





#95  
 Naphthalene  
 Concen: 0.223 ug/l  
 RT: 13.780 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VX031515.D  
 Acq: 21 Sep 2022 11:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6



Tgt Ion:128 Resp: 783

Ion	Ratio	Lower	Upper
128	100		
127	2.6	10.4	15.6#
129	0.0	8.8	13.2#

