

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028197.D
 Acq On : 20 Apr 2022 15:02
 Operator : JC/MD
 Sample : N2448-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E14ST-B6-041522-GW-DUP

Quant Time: Apr 21 06:13:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

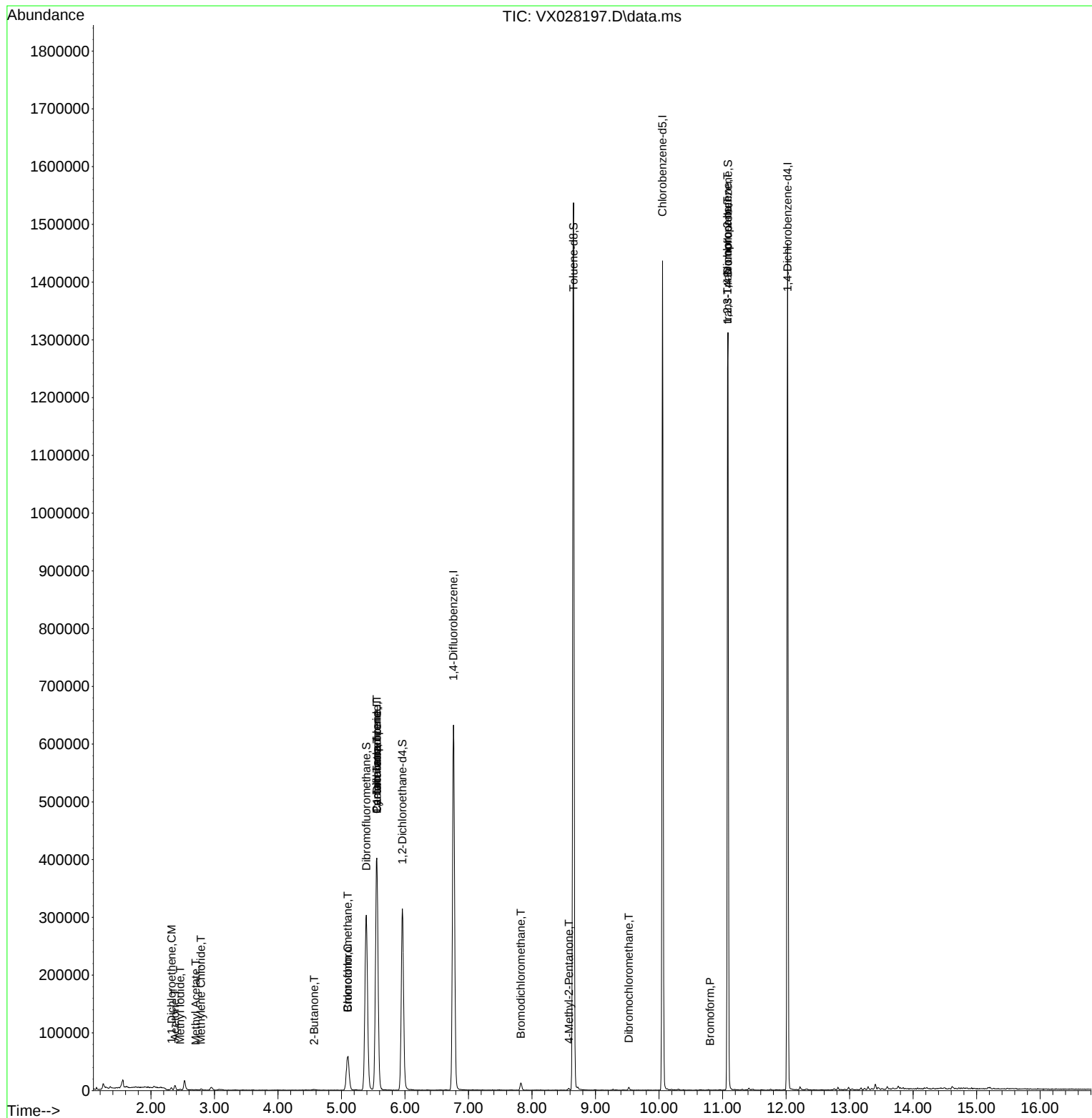
Internal Standards						
1) Pentafluorobenzene	5.556	168	394960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	678355	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	642495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	297546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	289270	56.171	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 112.340%	
35) Dibromofluoromethane	5.391	113	262609	55.202	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 110.400%	
50) Toluene-d8	8.653	98	946721	51.814	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.620%	
62) 4-Bromofluorobenzene	11.085	95	345988	49.524	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	703	Below Cal	#	81
5) Bromomethane	1.611	94	1022	Below Cal		97
6) Chloroethane	1.703	64	1169	Below Cal	#	43
8) Diethyl Ether	1.977	74	19	Below Cal	#	1
10) Methyl Iodide	2.459	142	1380	5.517	ug/l #	94
11) Tert butyl alcohol	2.953	59	5175	Below Cal		97
12) 1,1-Dichloroethene	2.325	96	1406	0.463	ug/l #	78
16) Acetone	2.380	43	8576	4.079	ug/l	96
18) Methyl Acetate	2.703	43	999	0.218	ug/l #	67
20) Methylene Chloride	2.788	84	961	0.252	ug/l #	82
25) 2-Butanone	4.568	43	1561	0.512	ug/l #	71
28) Bromochloromethane	5.099	49	5368	1.827	ug/l #	7
30) Chloroform	5.099	83	72470	8.810	ug/l	100
31) Cyclohexane	5.556	56	7841	1.250	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	28390	4.575	ug/l #	51
38) Carbon Tetrachloride	5.556	117	39650	5.660	ug/l #	15
47) Bromodichloromethane	7.824	83	8547	1.275	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	2133	0.324	ug/l #	83
60) Dibromochloromethane	9.525	129	2020	0.361	ug/l	98
71) Bromoform	10.805	173	66	3.588	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	173439	29.618	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	173439	88.016	ug/l #	15

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

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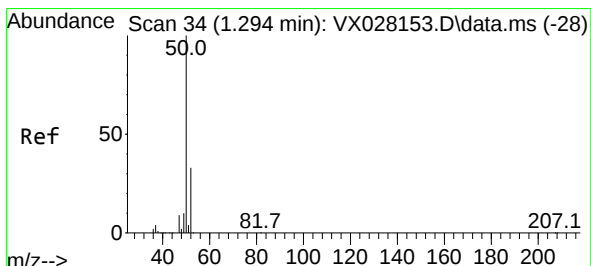
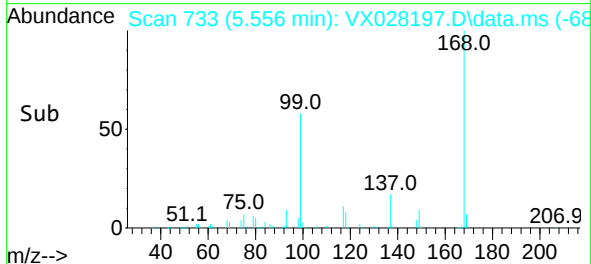
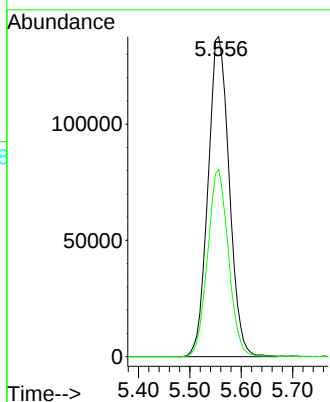
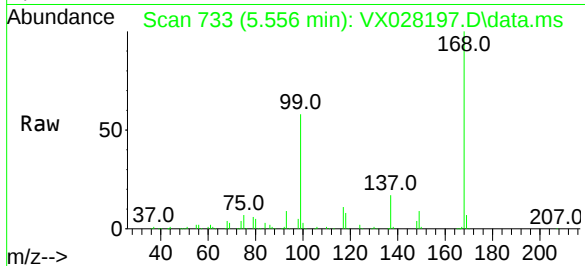




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

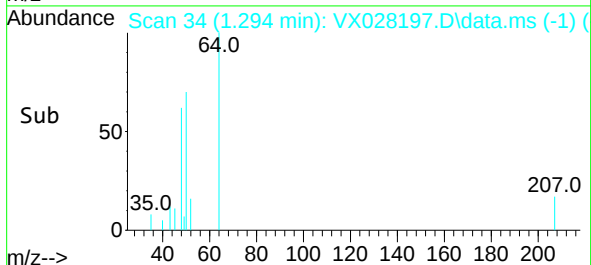
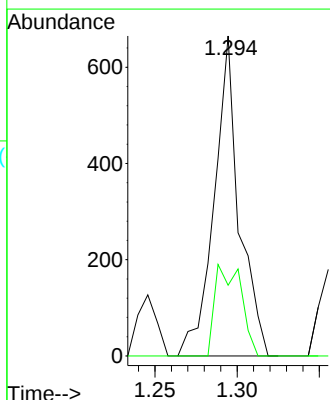
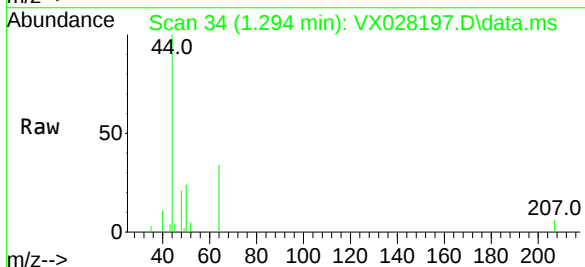
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

Tgt Ion:168 Resp: 394960
Ion Ratio Lower Upper
168 100
99 58.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 50 Resp: 703
Ion Ratio Lower Upper
50 100
52 22.1 26.4 39.6#

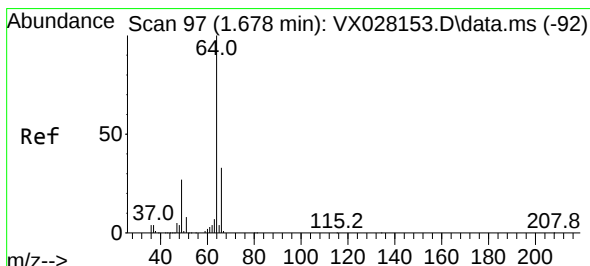
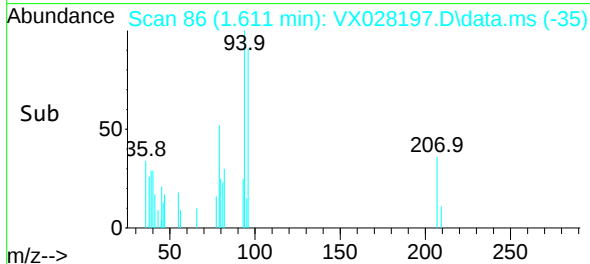
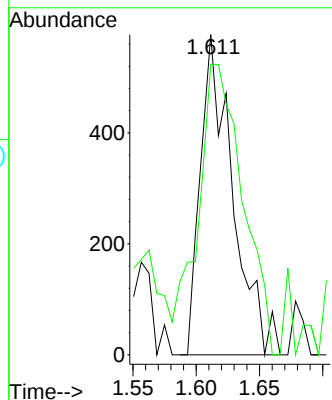
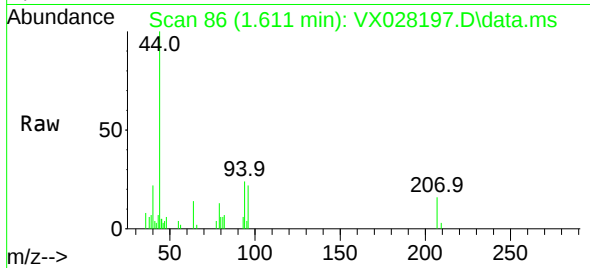




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

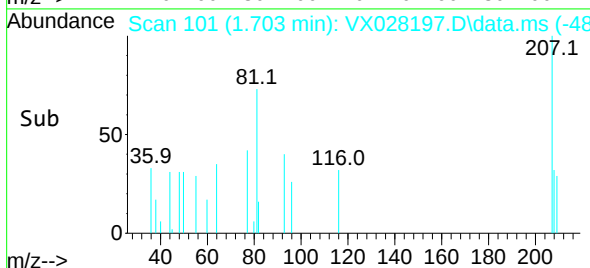
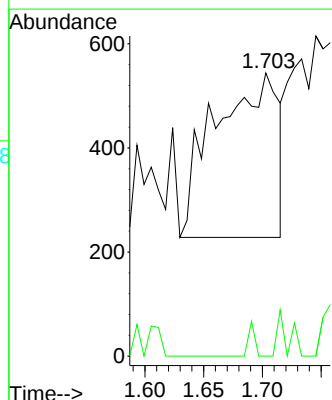
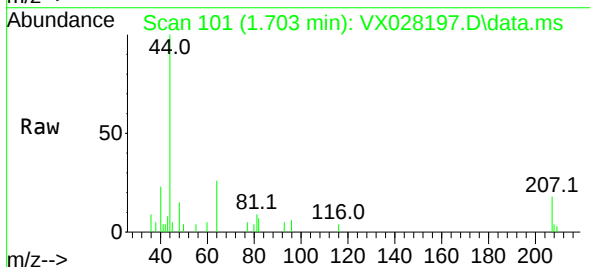
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

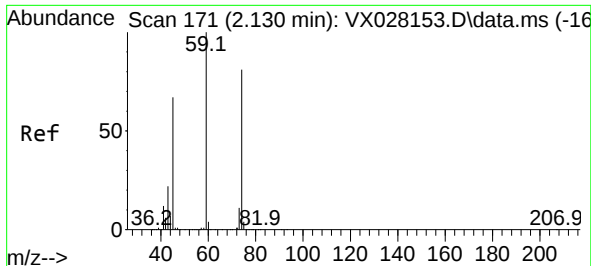
Tgt Ion: 94 Resp: 1022
Ion Ratio Lower Upper
94 100
96 90.8 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.025 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 64 Resp: 1169
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

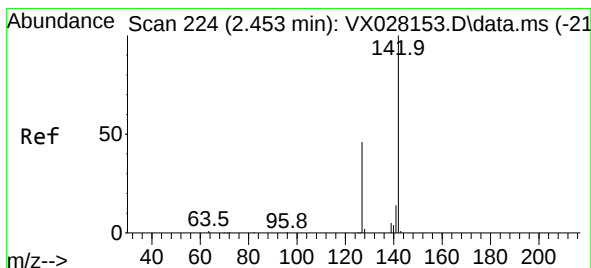
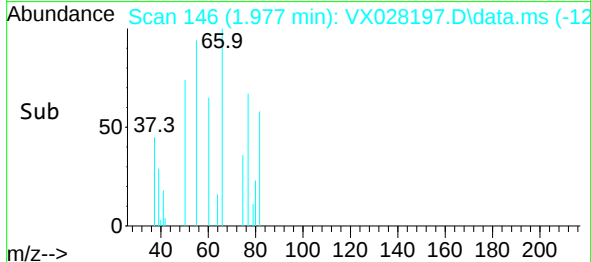
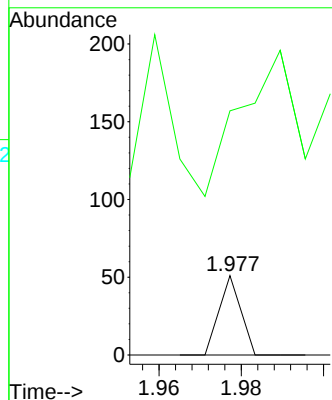
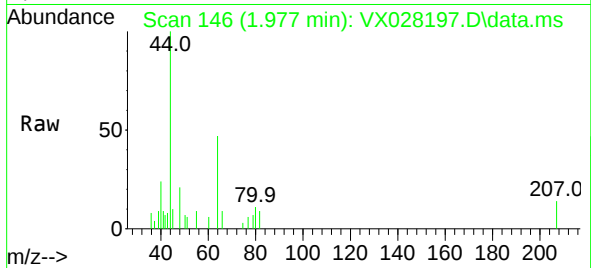




#8
Diethyl Ether
Concen: Below Cal
RT: 1.977 min Scan# 14
Delta R.T. -0.153 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

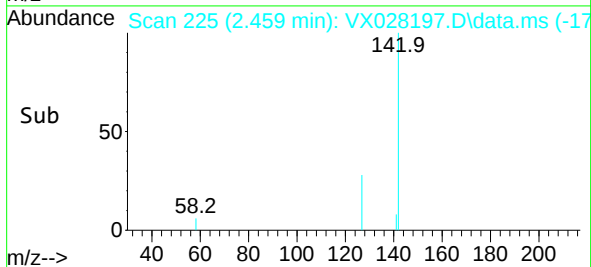
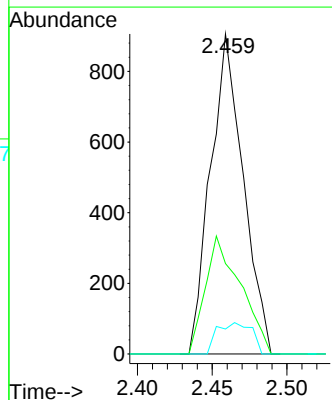
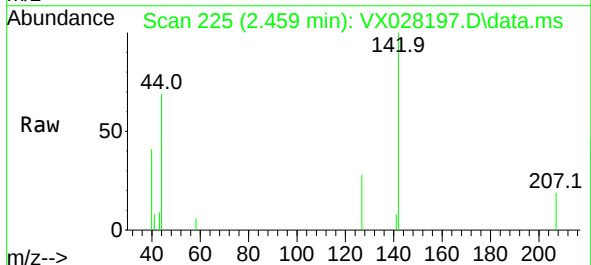
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

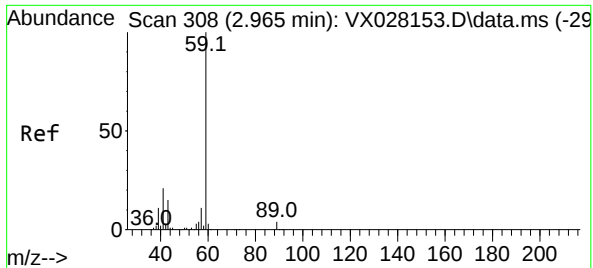
Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 1057.9 42.0 126.0#



#10
Methyl Iodide
Concen: 5.517 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion:142 Resp: 1380
Ion Ratio Lower Upper
142 100
127 39.6 33.9 50.9
141 10.3 11.4 17.2#

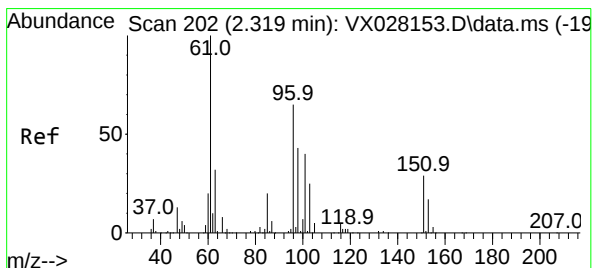
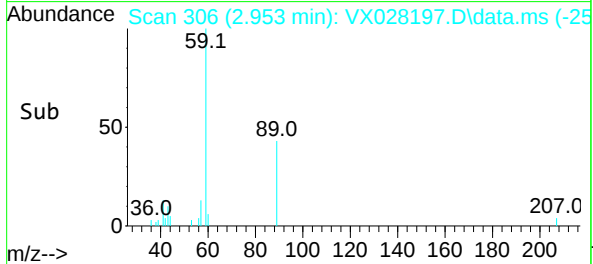
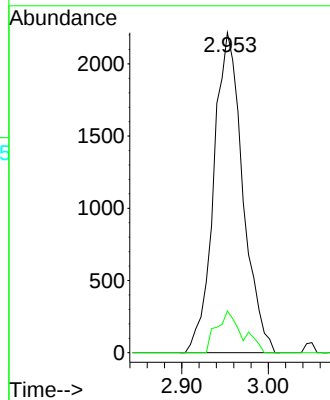
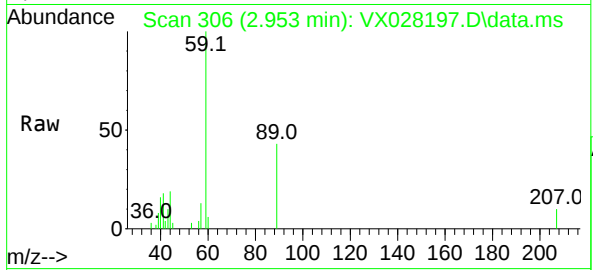




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

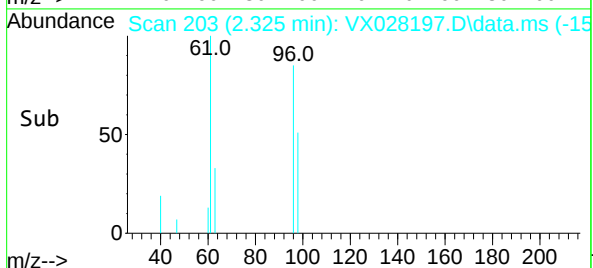
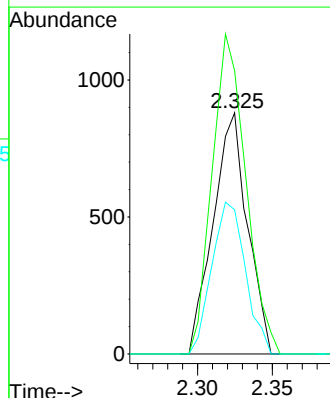
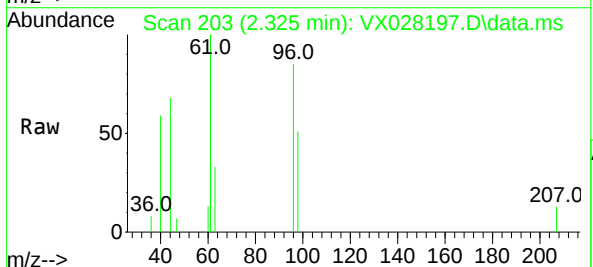
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

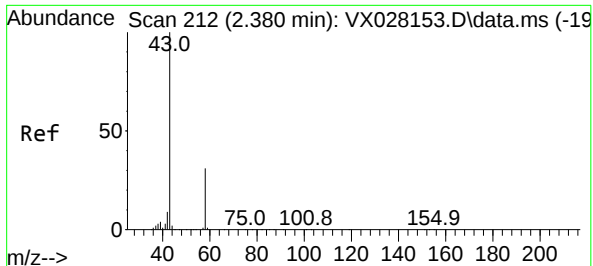
Tgt Ion: 59 Resp: 5175
Ion Ratio Lower Upper
59 100
57 11.5 8.3 12.5



#12
1,1-Dichloroethene
Concen: 0.463 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 96 Resp: 1406
Ion Ratio Lower Upper
96 100
61 117.5 124.6 187.0#
98 59.8 51.0 76.4

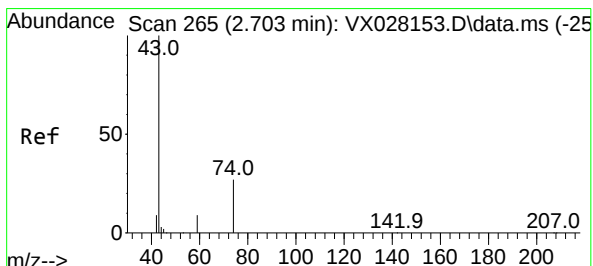
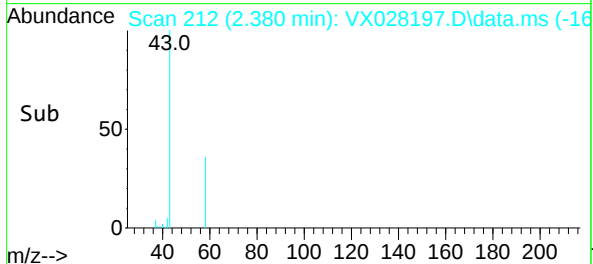
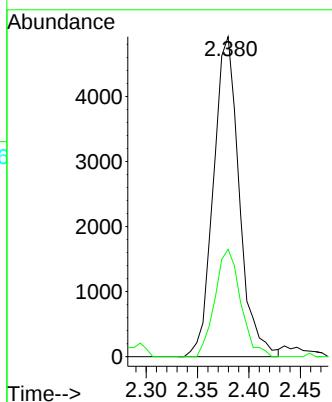
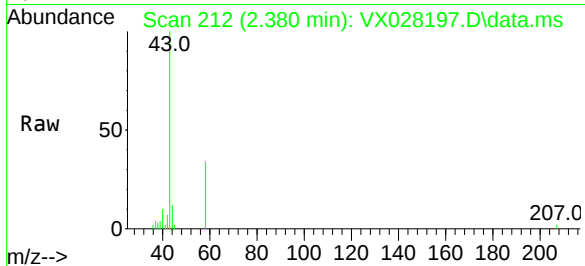




#16
Acetone
Concen: 4.079 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

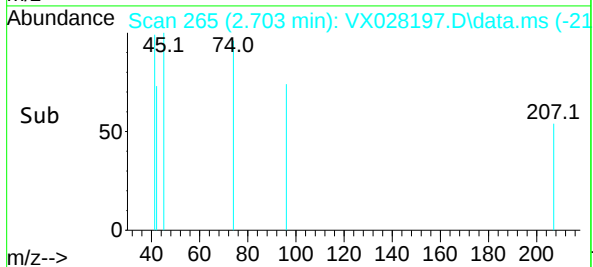
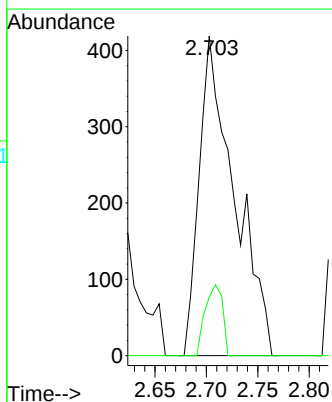
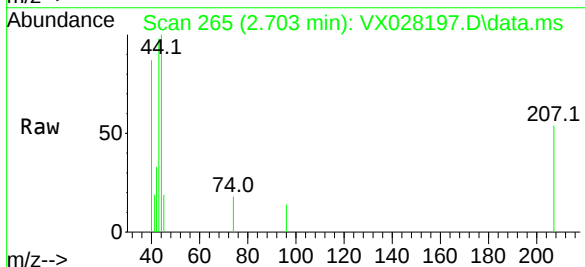
Instrument : MSVOA_X
ClientSampleId : E14ST-B6-041522-GW-DUP

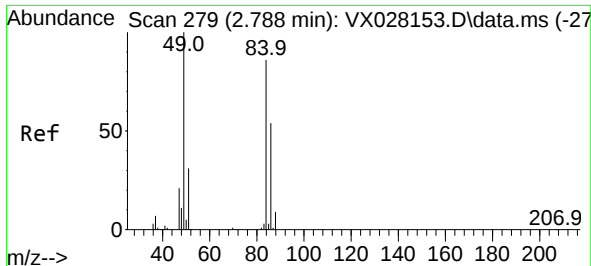
Tgt Ion: 43 Resp: 8576
Ion Ratio Lower Upper
43 100
58 33.5 28.8 43.2



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
74 10.9 22.8 34.2#

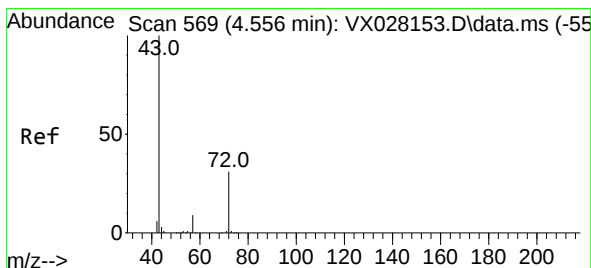
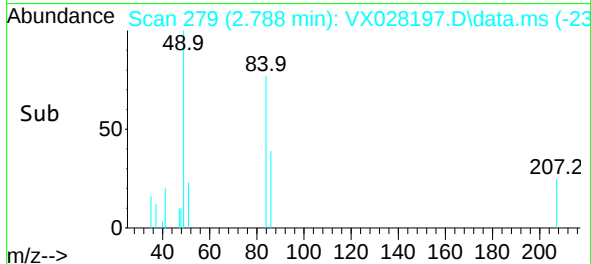
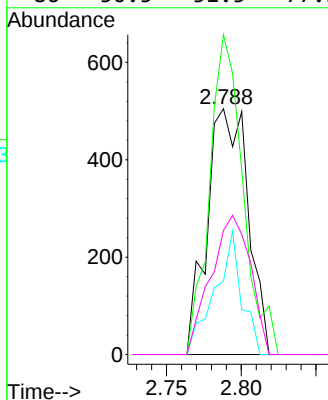
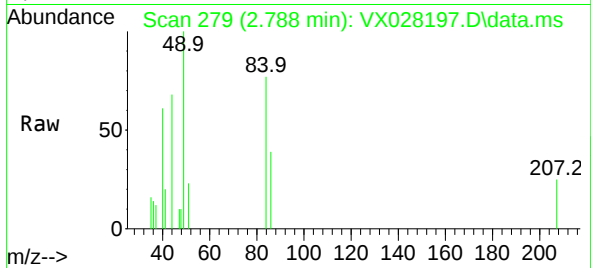




#20
Methylene Chloride
Concen: 0.252 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

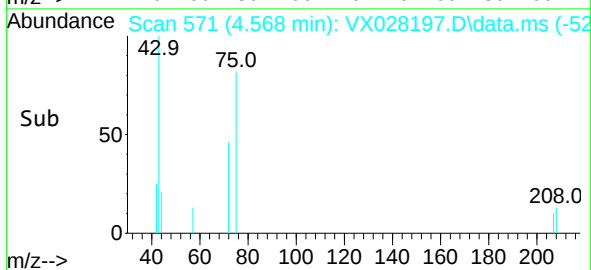
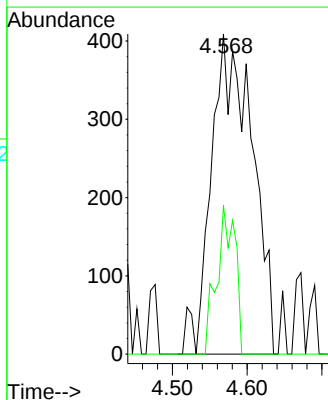
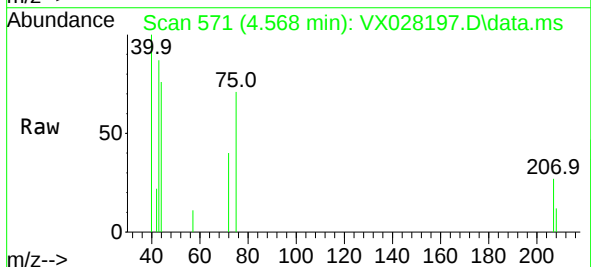
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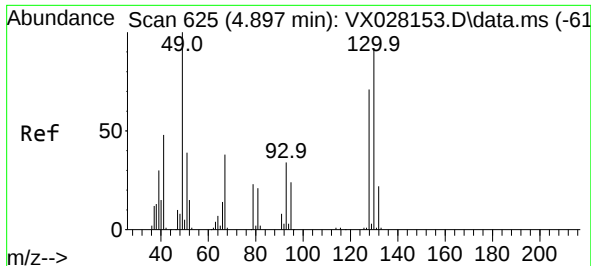
Tgt Ion:	84	Resp:	961
Ion	Ratio	Lower	Upper
84	100		
49	130.1	85.5	128.3#
51	29.9	26.6	39.8
86	50.5	51.5	77.3#



#25
2-Butanone
Concen: 0.512 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion:	43	Resp:	1561
Ion	Ratio	Lower	Upper
43	100		
72	46.5	24.4	36.6#





#28

Bromochloromethane

Concen: 1.827 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.202 min

Lab File: VX028197.D

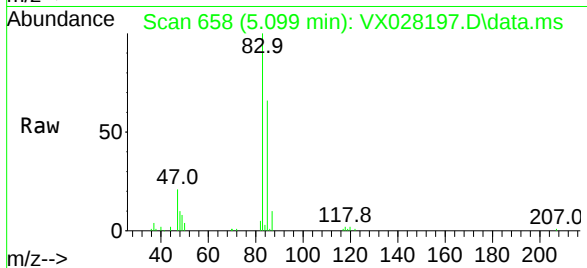
Acq: 20 Apr 2022 15:02

Instrument :

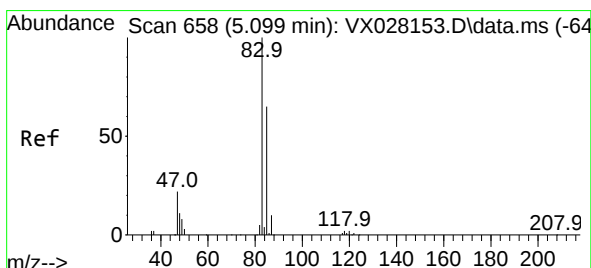
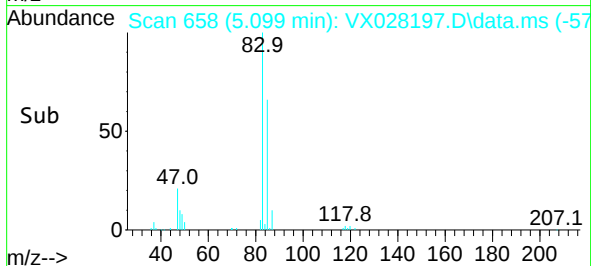
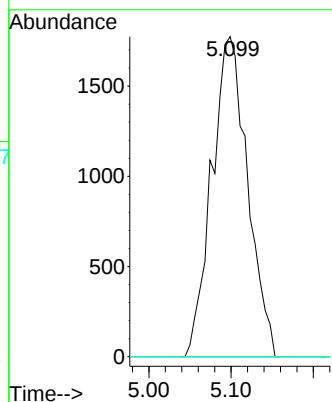
MSVOA_X

ClientSampleId :

E14ST-B6-041522-GW-DUP



Tgt Ion: 49	Resp: 5368
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.4
130	0.0 70.7 106.1#



#30

Chloroform

Concen: 8.810 ug/l

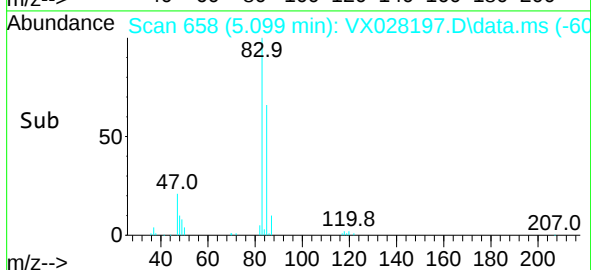
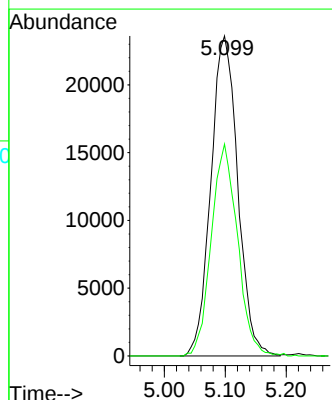
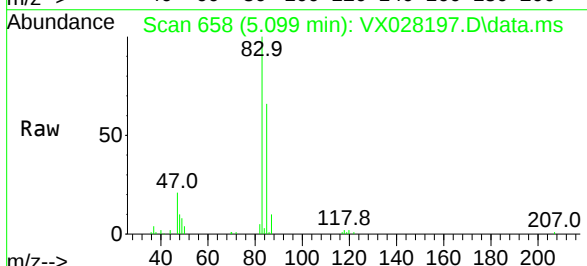
RT: 5.099 min Scan# 658

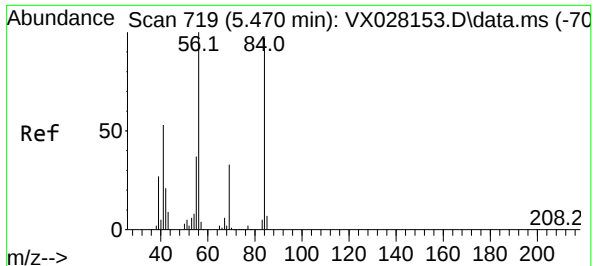
Delta R.T. -0.000 min

Lab File: VX028197.D

Acq: 20 Apr 2022 15:02

Tgt Ion: 83	Resp: 72470
Ion Ratio	Lower Upper
83	100
85	66.2 52.7 79.1

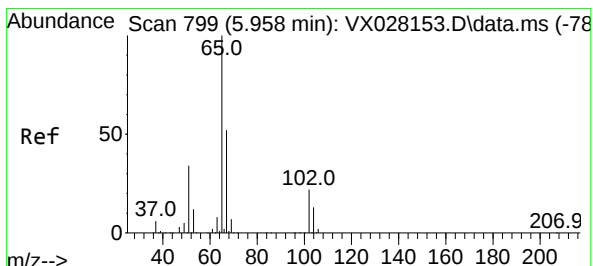
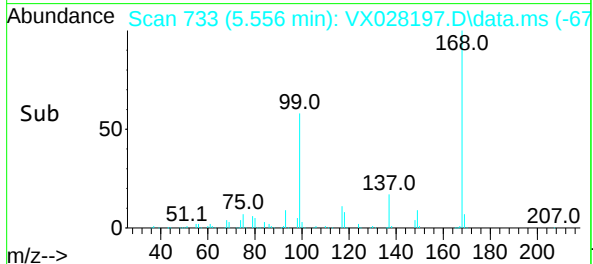
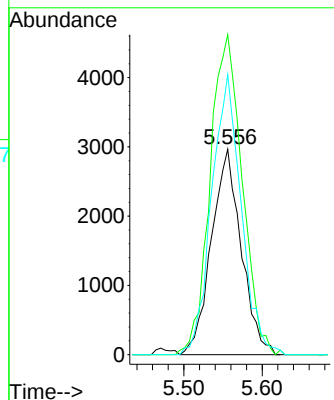
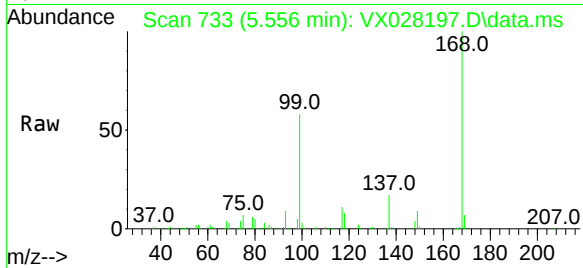




#31
Cyclohexane
Concen: 1.250 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

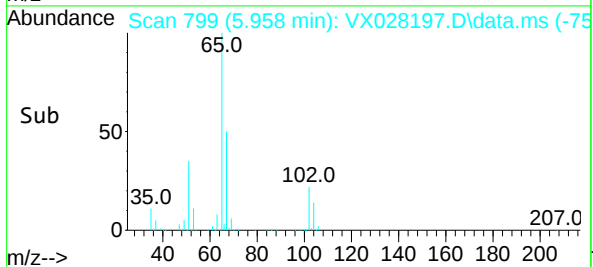
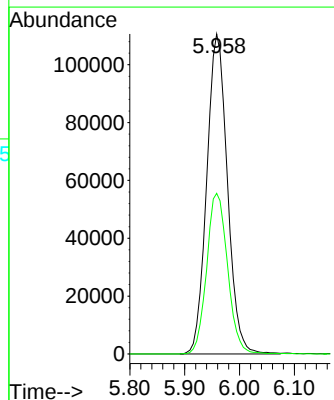
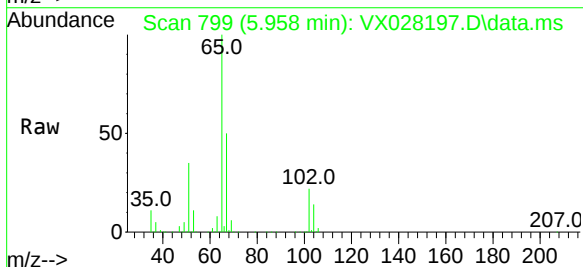
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

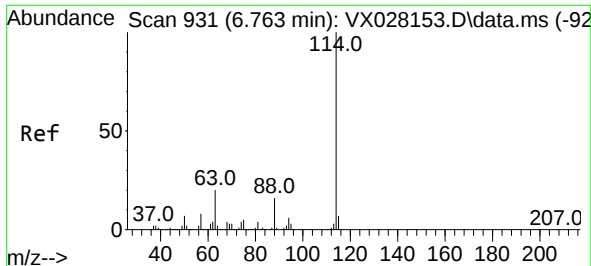
Tgt Ion: 56 Resp: 7841
Ion Ratio Lower Upper
56 100
69 153.6 26.7 40.1#
84 136.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 56.171 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 65 Resp: 289270
Ion Ratio Lower Upper
65 100
67 50.8 0.0 107.4

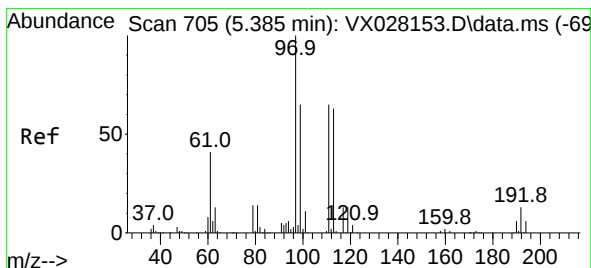
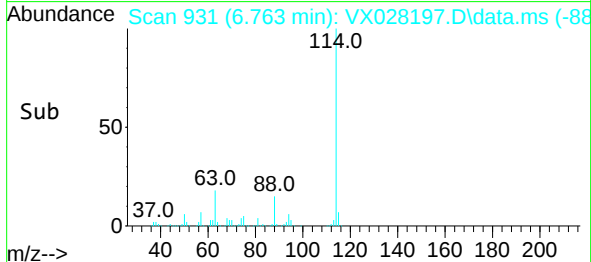
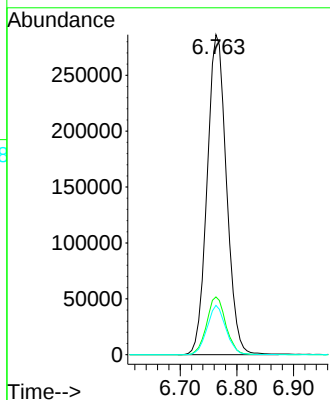
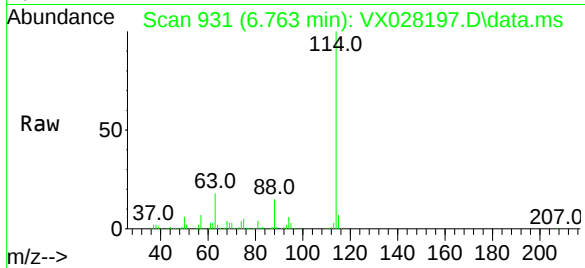




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

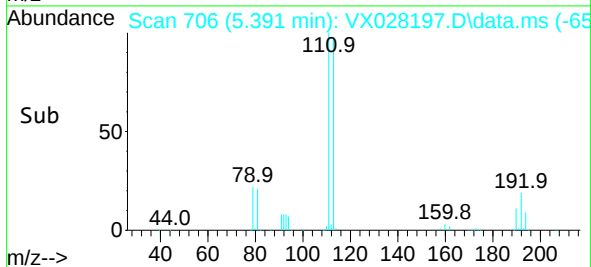
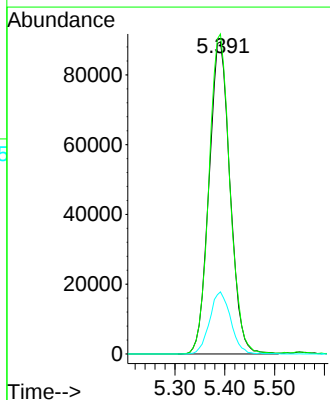
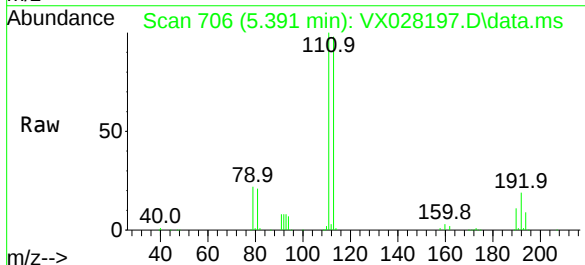
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

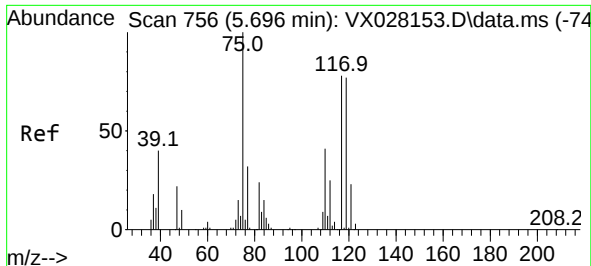
Tgt Ion:114 Resp: 678355
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 15.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 55.202 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion:113 Resp: 262609
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 19.9 16.9 25.3

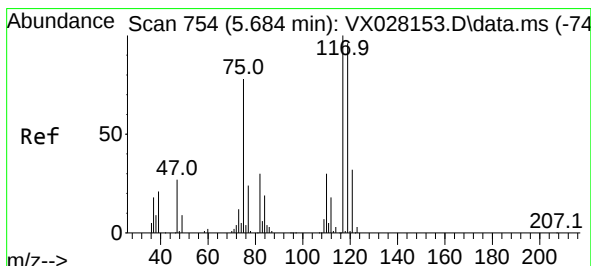
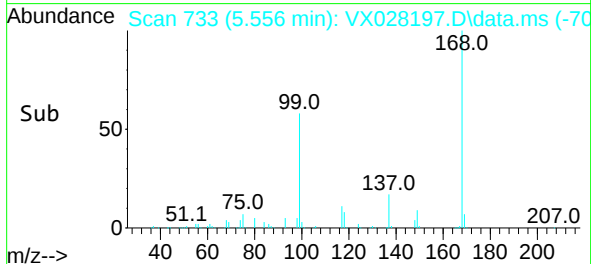
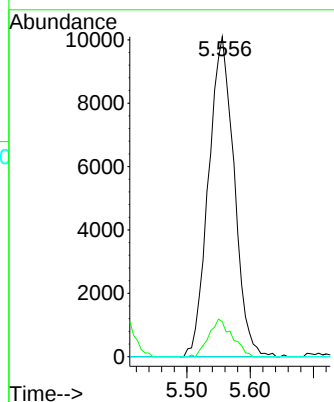
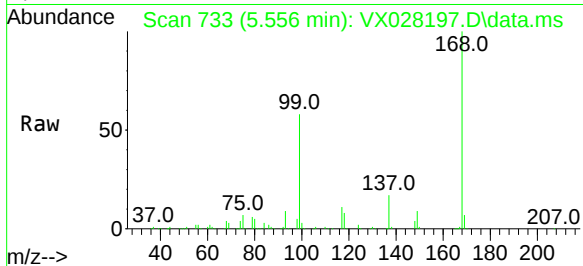




#36
1,1-Dichloropropene
Concen: 4.575 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

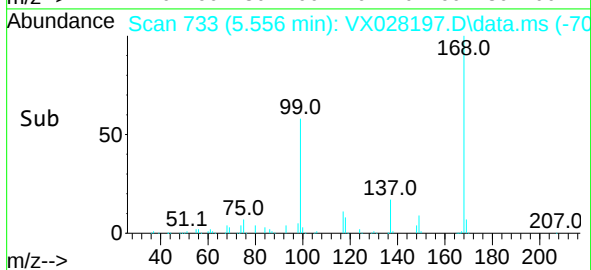
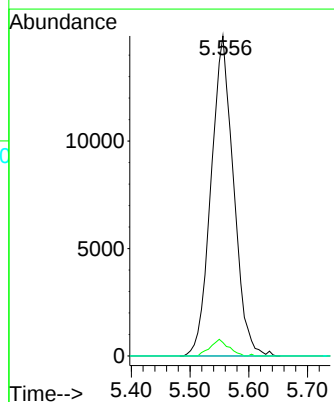
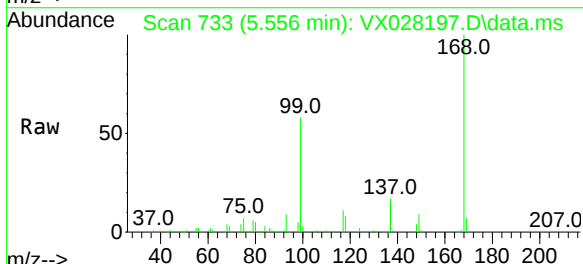
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

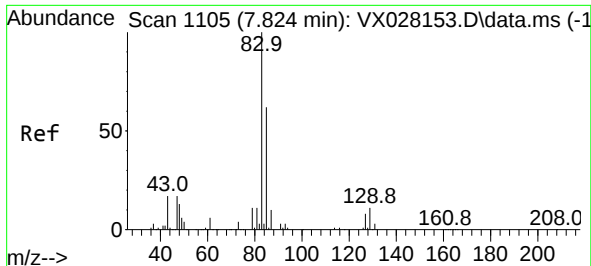
Tgt Ion: 75 Resp: 28390
Ion Ratio Lower Upper
75 100
110 10.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 117 Resp: 39650
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#

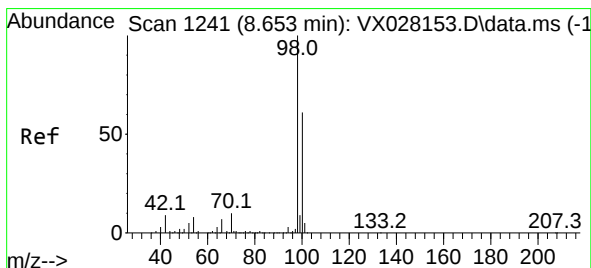
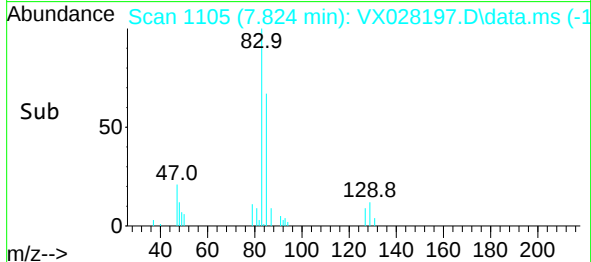
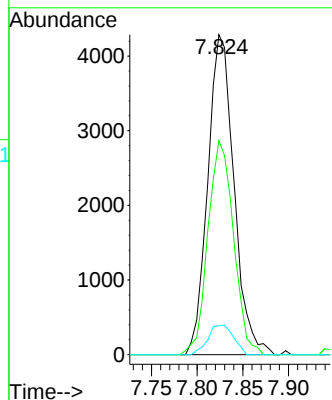
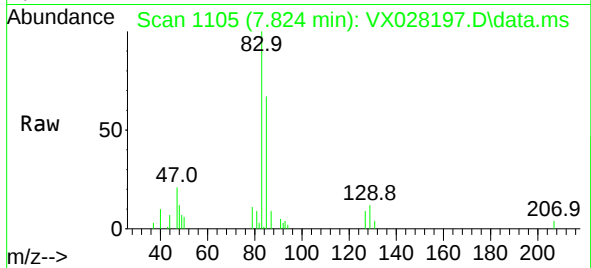




#47
 Bromodichloromethane
 Concen: 1.275 ug/l
 RT: 7.824 min Scan# 1105
 Delta R.T. -0.000 min
 Lab File: VX028197.D
 Acq: 20 Apr 2022 15:02

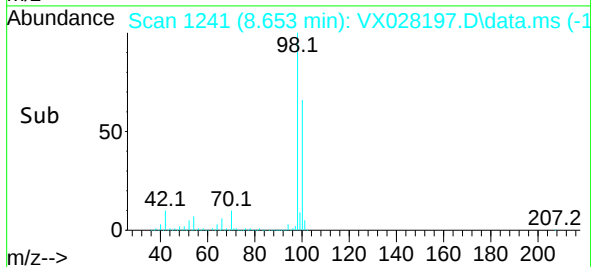
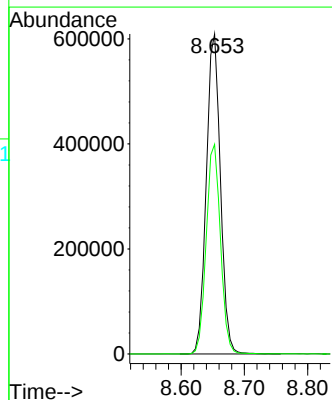
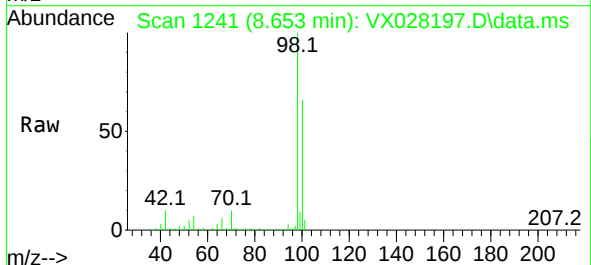
Instrument : MSVOA_X
 ClientSampleId : E14ST-B6-041522-GW-DUP

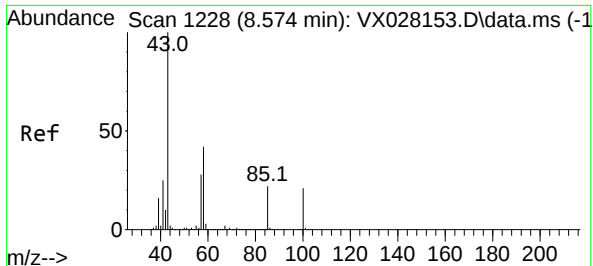
Tgt Ion:	83	Resp:	8547
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.2	78.2
127	9.1	6.8	10.2



#50
 Toluene-d8
 Concen: 51.814 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX028197.D
 Acq: 20 Apr 2022 15:02

Tgt Ion:	98	Resp:	946721
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8

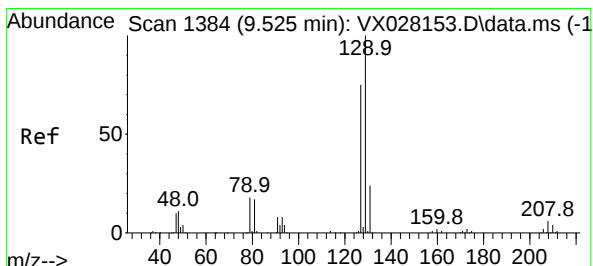
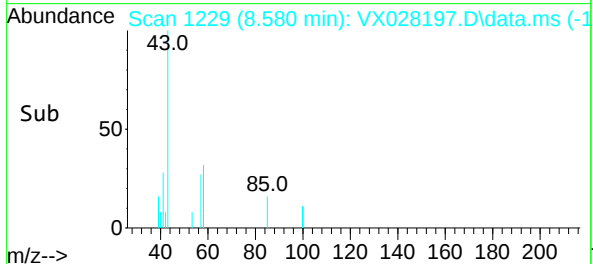
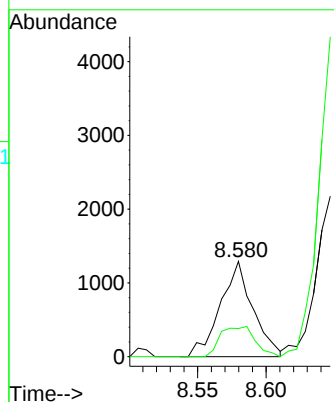
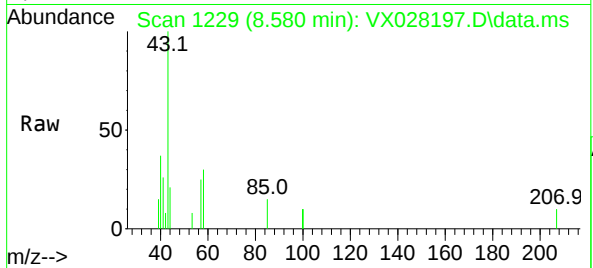




#51
4-Methyl-2-Pentanone
Concen: 0.324 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

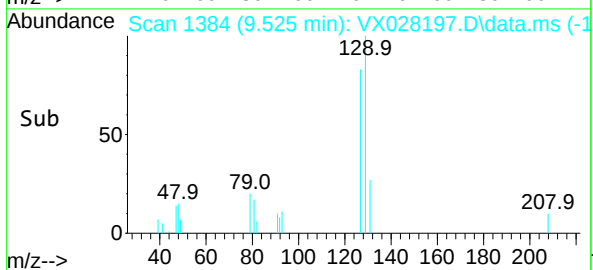
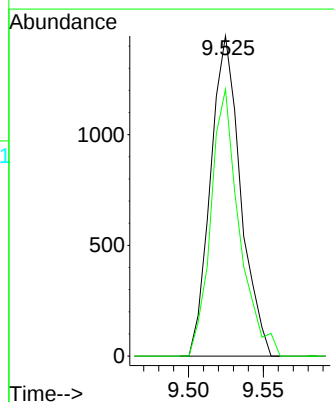
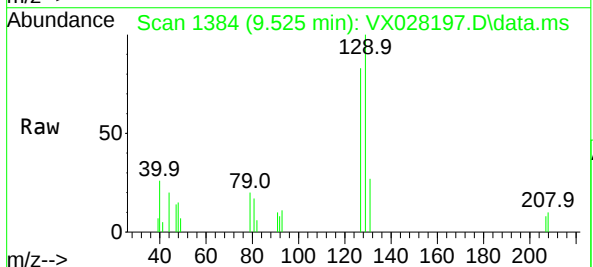
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

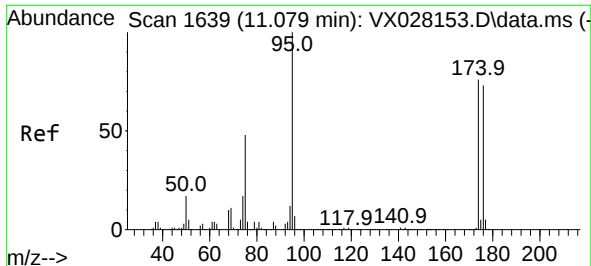
Tgt Ion: 43 Resp: 2133
Ion Ratio Lower Upper
43 100
58 33.8 36.1 54.1#



#60
Dibromochloromethane
Concen: 0.361 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 129 Resp: 2020
Ion Ratio Lower Upper
129 100
127 78.7 40.3 120.8

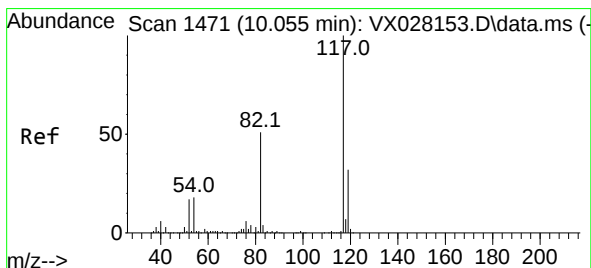
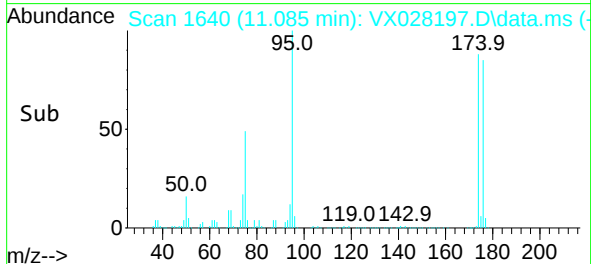
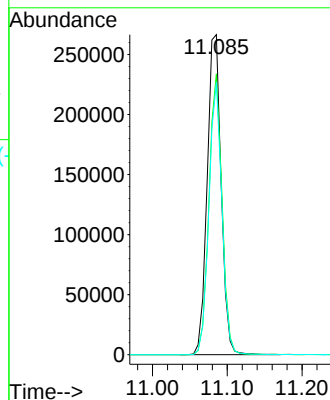
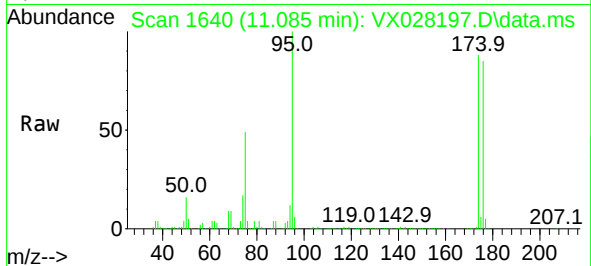




#62
4-Bromofluorobenzene
Concen: 49.524 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

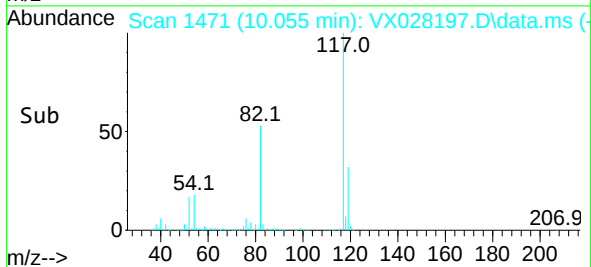
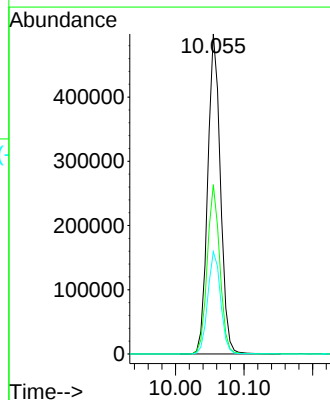
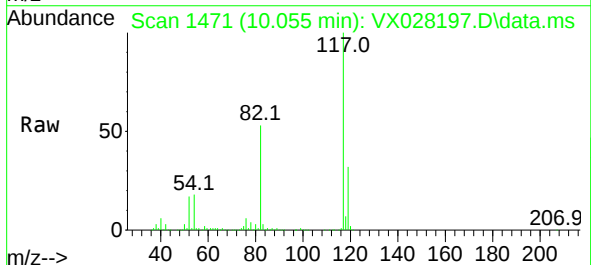
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

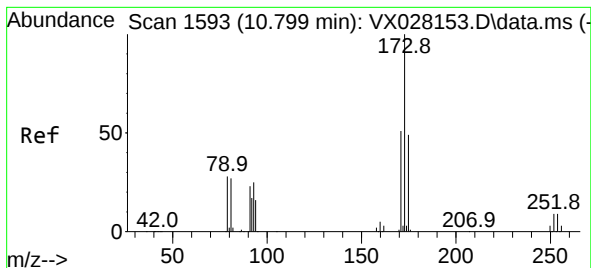
Tgt Ion: 95 Resp: 345988
Ion Ratio Lower Upper
95 100
174 82.4 0.0 163.0
176 79.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 117 Resp: 642495
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.0 24.8 37.2





#71

Bromoform

Concen: 3.588 ug/l

RT: 10.805 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VX028197.D

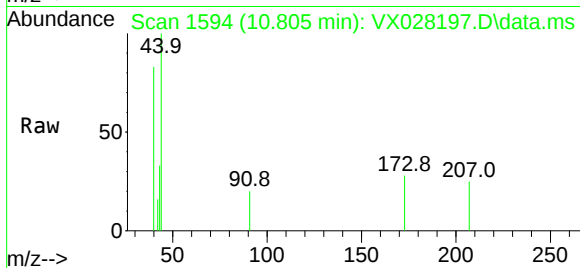
Acq: 20 Apr 2022 15:02

Instrument :

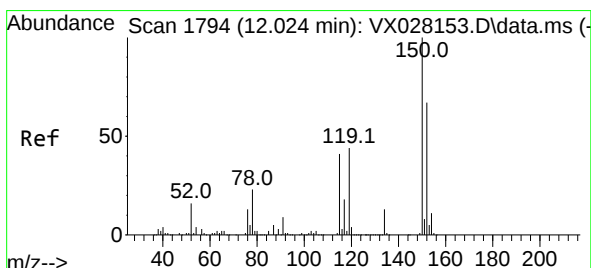
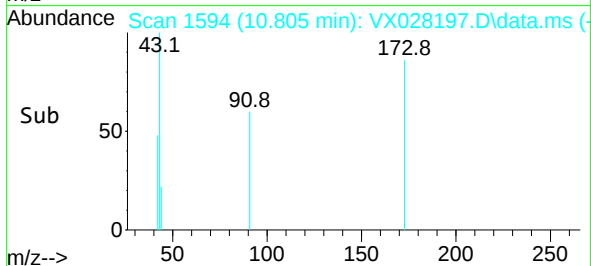
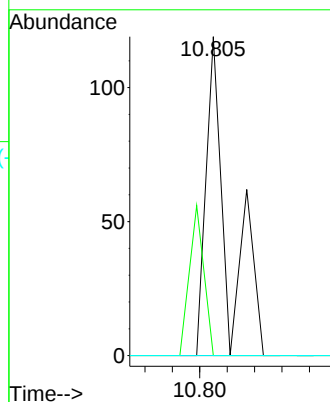
MSVOA_X

ClientSampleId :

E14ST-B6-041522-GW-DUP



Tgt Ion:173	Resp:	66
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.1 72.2#
254	0.0	0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

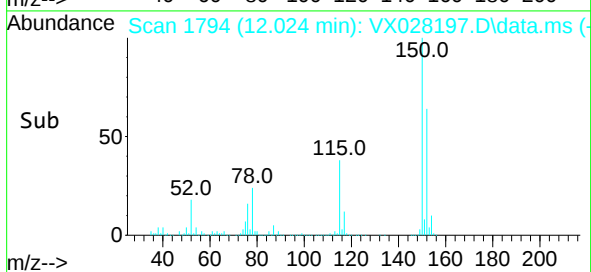
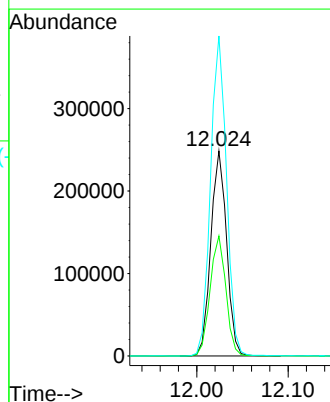
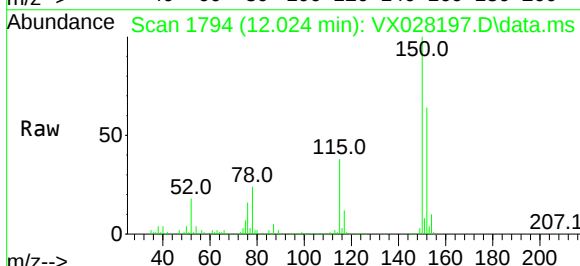
RT: 12.024 min Scan# 1794

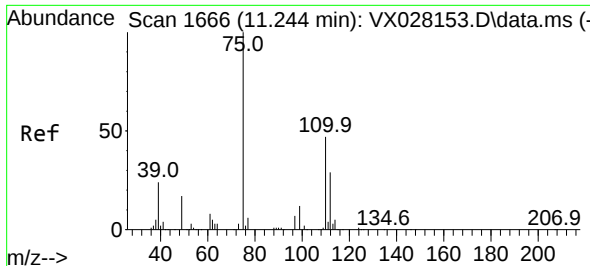
Delta R.T. 0.000 min

Lab File: VX028197.D

Acq: 20 Apr 2022 15:02

Tgt Ion:152	Resp:	297546
Ion Ratio	Lower	Upper
152	100	
115	58.7	37.5 112.7
150	157.7	0.0 338.2

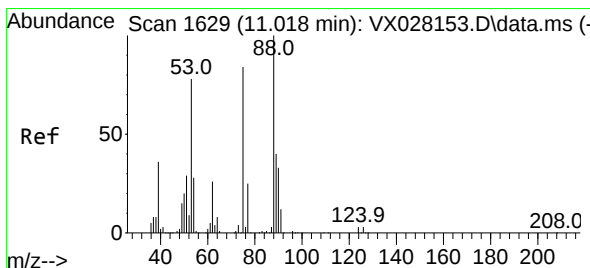
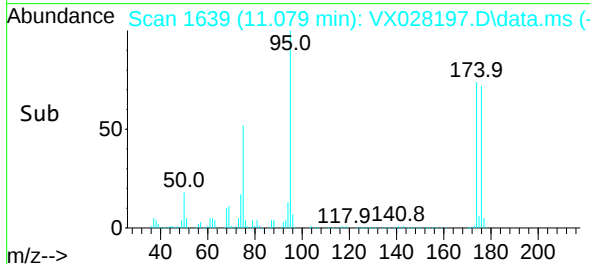
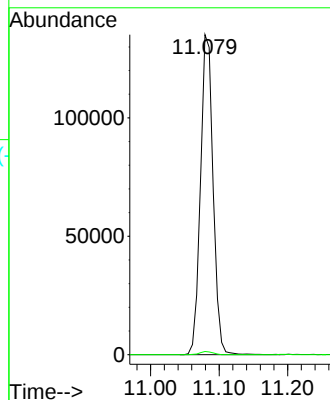
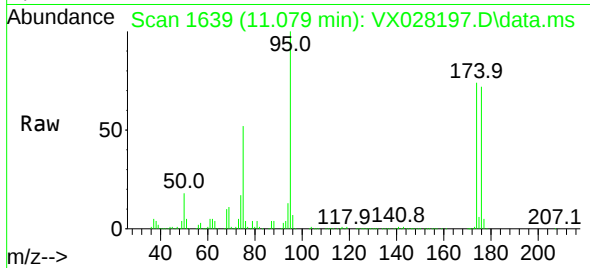




#76
1,2,3-Trichloropropane
Concen: 29.618 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW-DUP

Tgt Ion: 75 Resp: 173439
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.016 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028197.D
Acq: 20 Apr 2022 15:02

Tgt Ion: 75 Resp: 173439
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

