

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028161.D
 Acq On : 19 Apr 2022 15:42
 Operator : JC/MD
 Sample : N2390-01ME
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-1-041422

Quant Time: Apr 19 16:36:37 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)

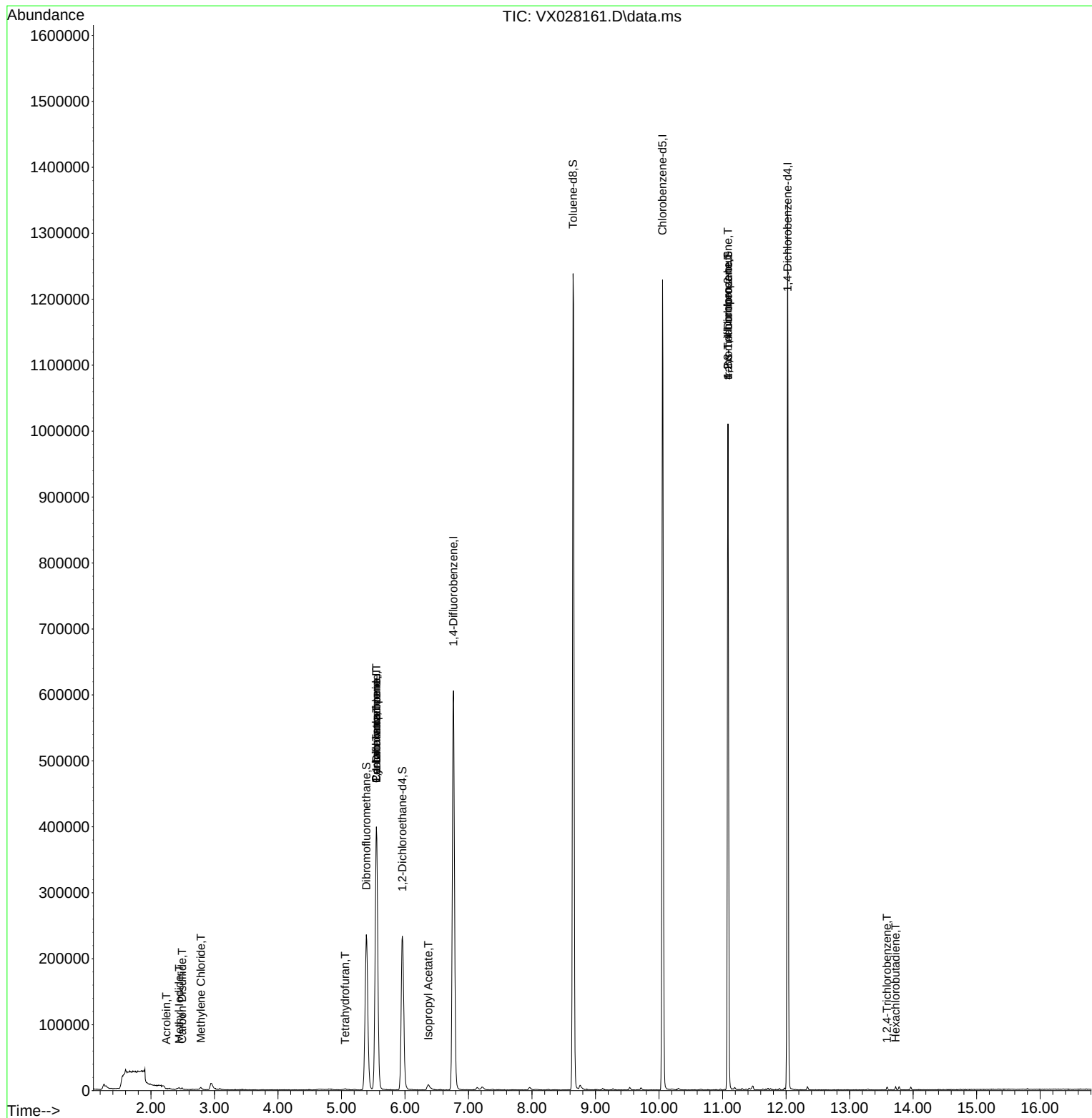
Internal Standards						
1) Pentafluorobenzene	5.550	168	394212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	655473	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	595218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	275061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	236153	45.944	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.880%		
35) Dibromofluoromethane	5.391	113	209438	45.562	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.120%		
50) Toluene-d8	8.647	98	769796	43.601	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.200%		
62) 4-Bromofluorobenzene	11.085	95	270646	40.092	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	80.180%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	616	Below Cal	#	72
5) Bromomethane	1.599	94	2838	Below Cal		94
6) Chloroethane	1.672	64	222	Below Cal	#	80
8) Diethyl Ether	1.935	74	62	Below Cal	#	7
10) Methyl Iodide	2.447	142	2337	5.714	ug/l	90
11) Tert butyl alcohol	2.947	59	7650	Below Cal	#	72
13) Acrolein	2.239	56	159	0.252	ug/l	98
16) Acetone	2.355	43	68	Below Cal	#	39
17) Carbon Disulfide	2.489	76	2420	0.297	ug/l #	94
20) Methylene Chloride	2.788	84	1575	0.413	ug/l	91
29) Tetrahydrofuran	5.056	42	1472	0.742	ug/l #	55
31) Cyclohexane	5.550	56	7986	1.275	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	29758	4.963	ug/l #	50
38) Carbon Tetrachloride	5.550	117	40013	5.911	ug/l #	15
43) Isopropyl Acetate	6.367	43	5179	0.523	ug/l #	56
76) 1,2,3-Trichloropropane	11.085	75	138454	25.576	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	138454	76.006	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.591	180	1378	0.252	ug/l	90
94) Hexachlorobutadiene	13.725	225	678	0.278	ug/l	99

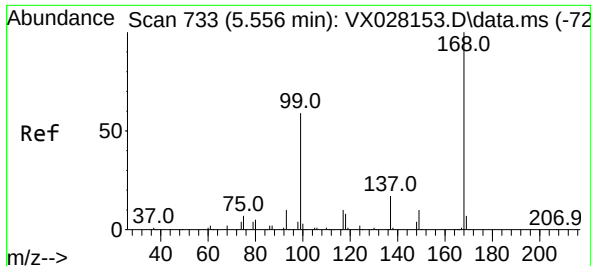
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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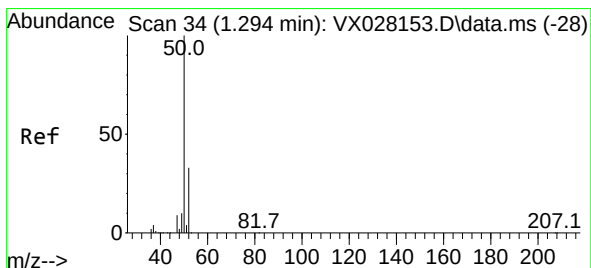
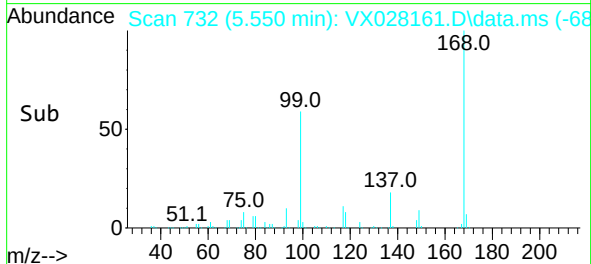
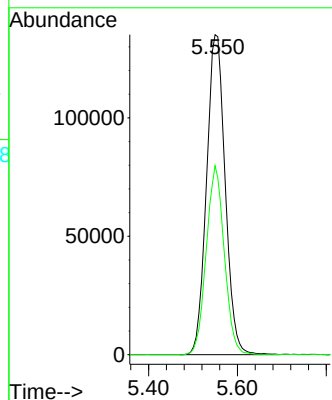
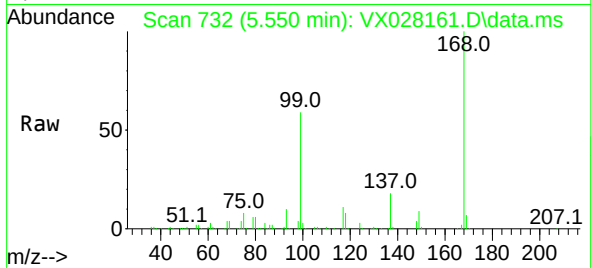




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

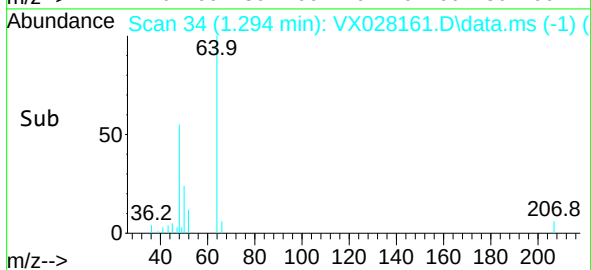
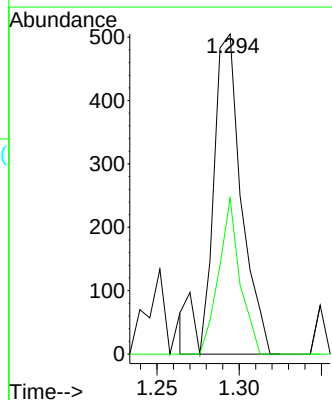
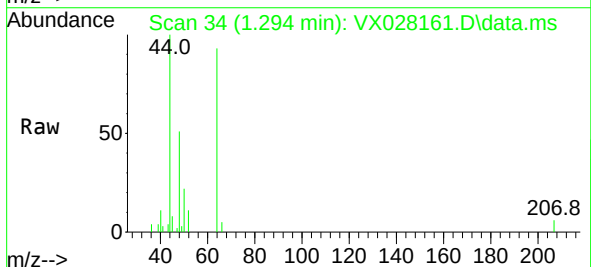
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

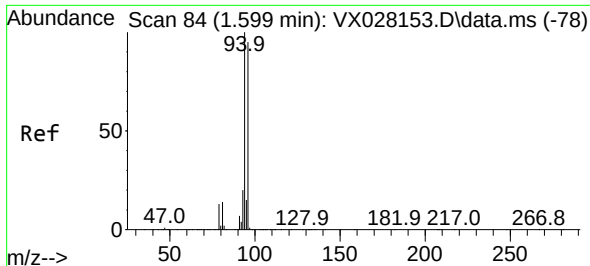
Tgt Ion:168 Resp: 394212
Ion Ratio Lower Upper
168 100
99 59.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion: 50 Resp: 616
Ion Ratio Lower Upper
50 100
52 48.7 26.4 39.6#

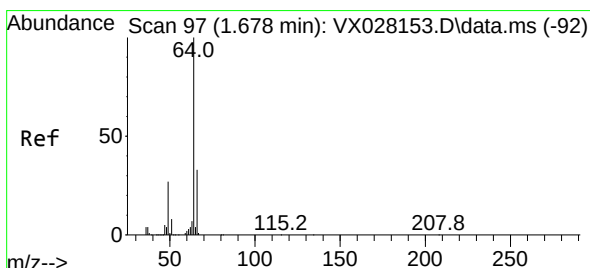
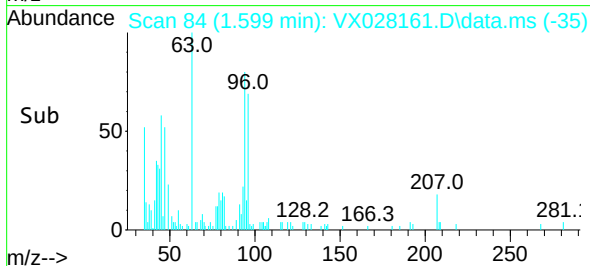
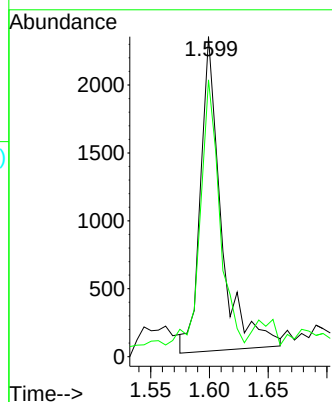
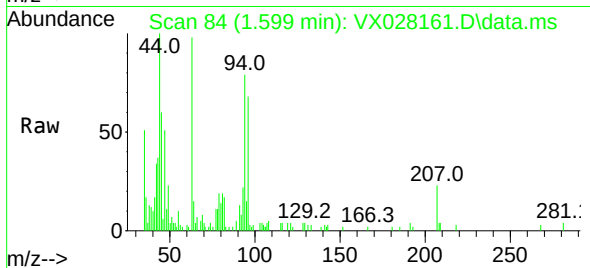




#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

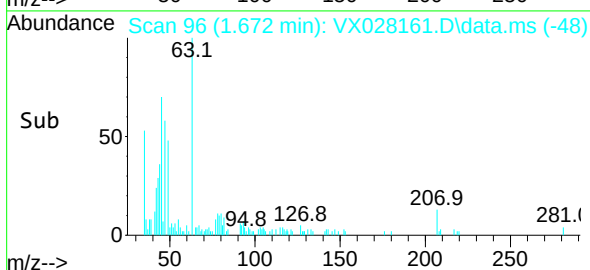
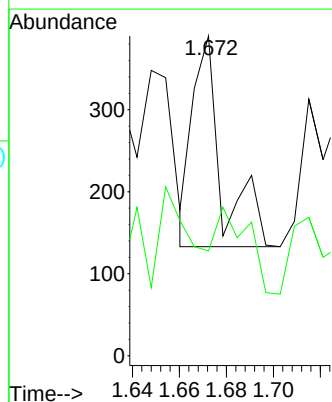
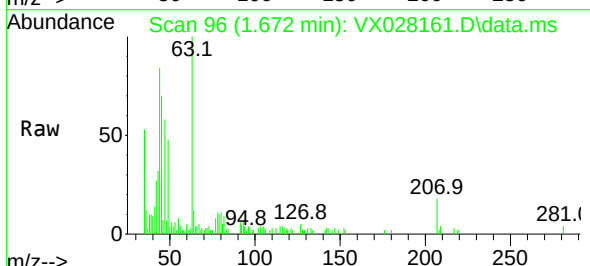
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

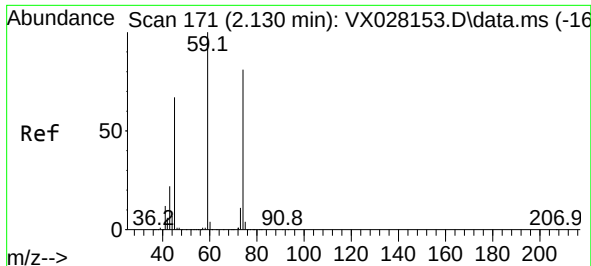
Tgt Ion: 94 Resp: 2838
Ion Ratio Lower Upper
94 100
96 87.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion: 64 Resp: 222
Ion Ratio Lower Upper
64 100
66 20.6 25.3 37.9

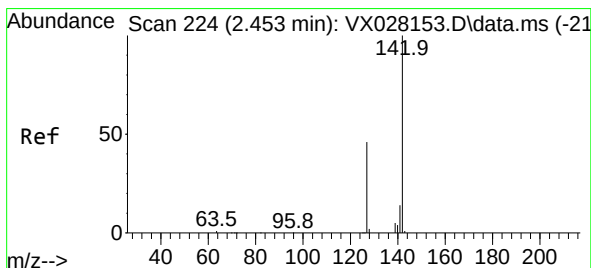
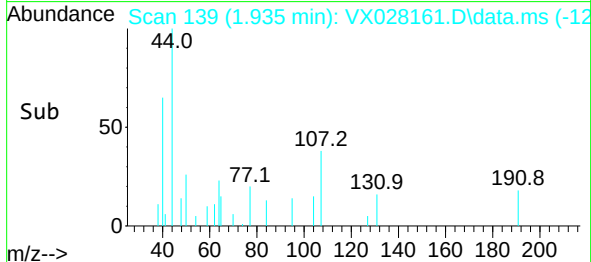
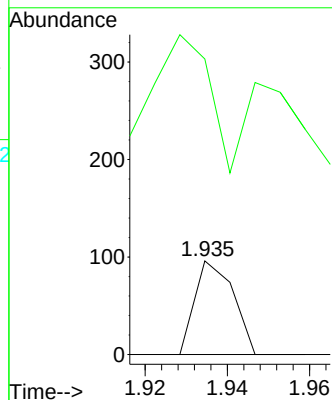
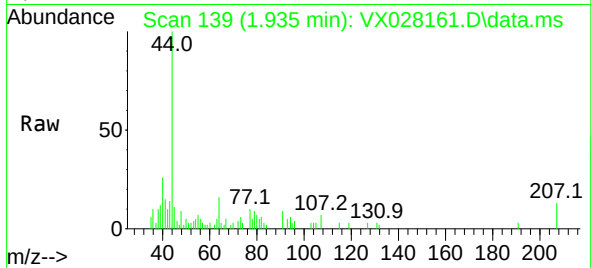




#8
Diethyl Ether
Concen: Below Cal
RT: 1.935 min Scan# 11
Delta R.T. -0.195 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

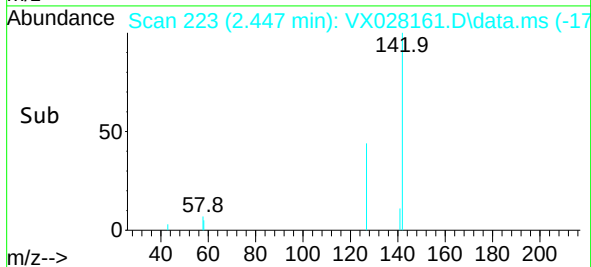
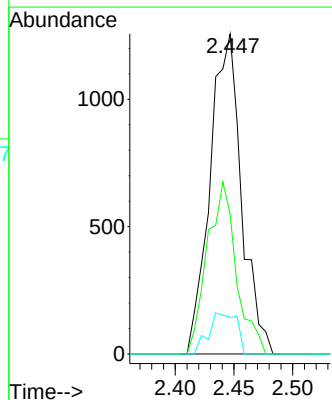
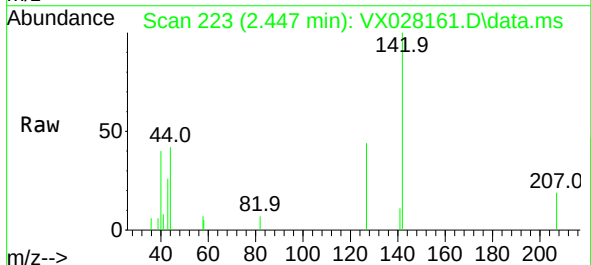
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

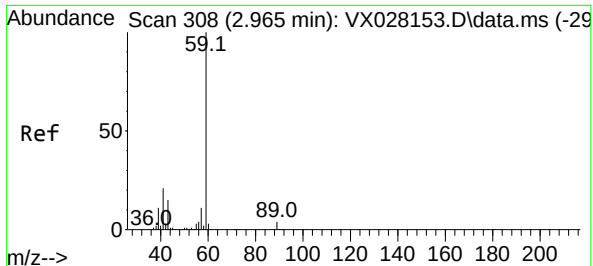
Tgt Ion: 74 Resp: 62
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.714 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion:142 Resp: 2337
Ion Ratio Lower Upper
142 100
127 49.6 33.9 50.9
141 11.5 11.4 17.2

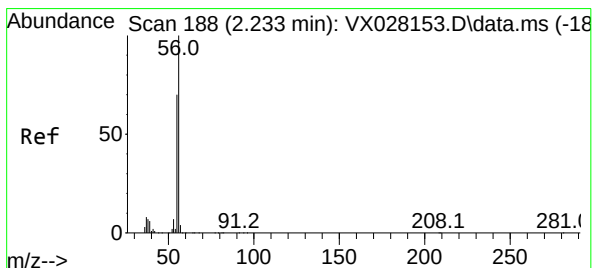
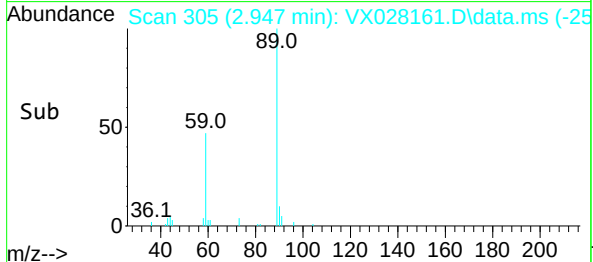
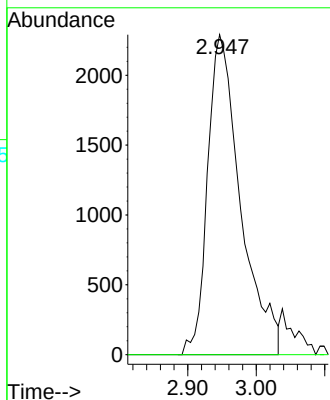
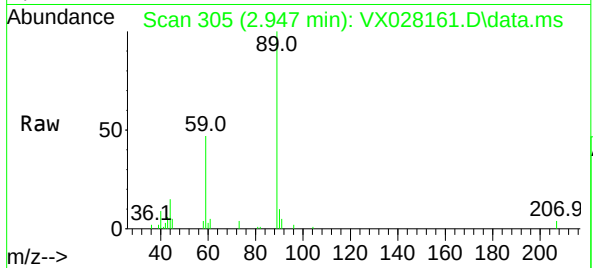




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

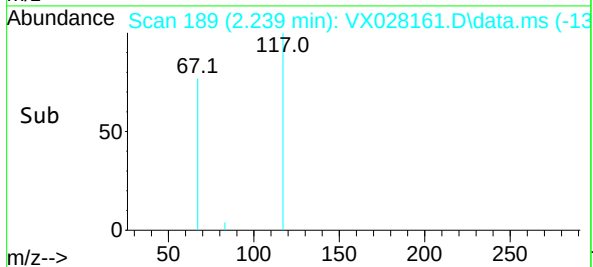
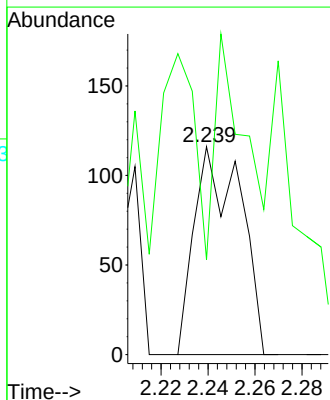
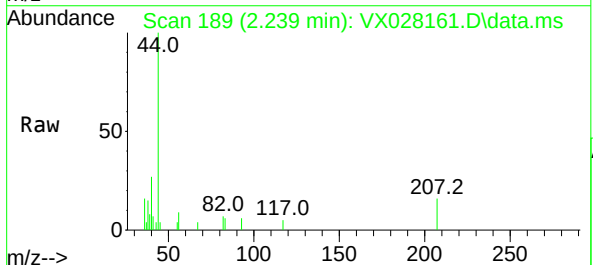
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

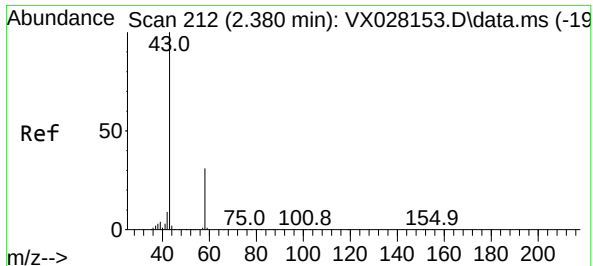
Tgt Ion: 59 Resp: 7650
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.252 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 67.3 55.0 82.6

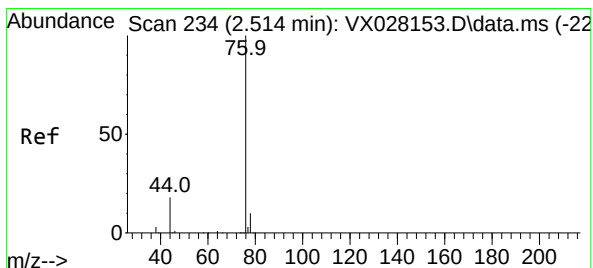
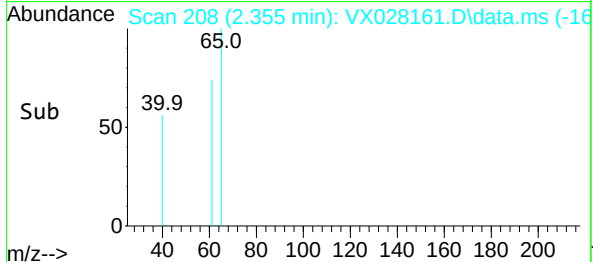
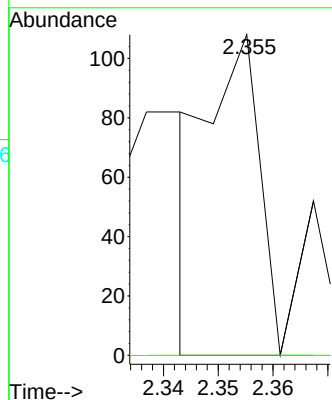
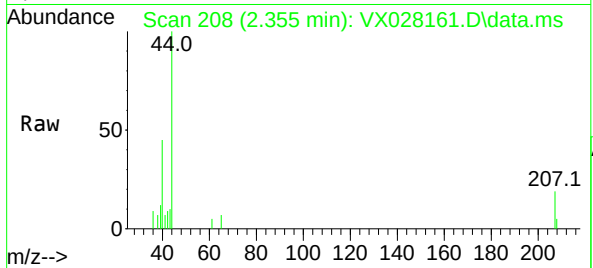




#16
Acetone
Concen: Below Cal
RT: 2.355 min Scan# 20
Delta R.T. -0.025 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

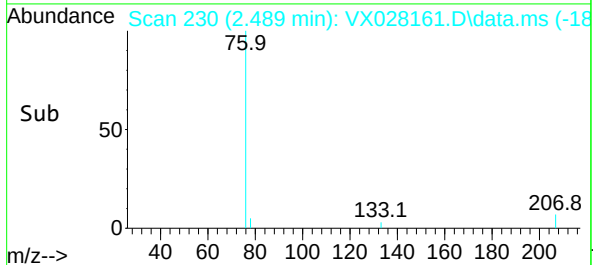
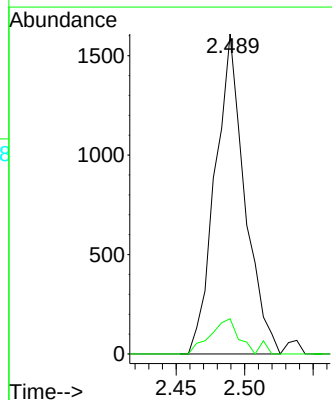
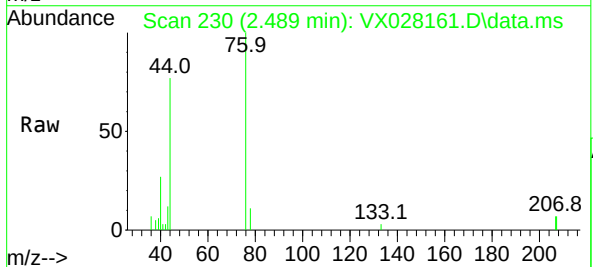
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

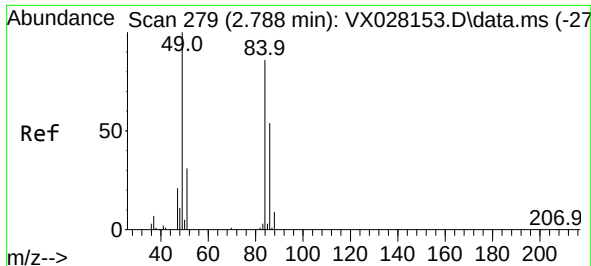
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#



#17
Carbon Disulfide
Concen: 0.297 ug/l
RT: 2.489 min Scan# 230
Delta R.T. -0.025 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion: 76 Resp: 2420
Ion Ratio Lower Upper
76 100
78 11.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.413 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028161.D

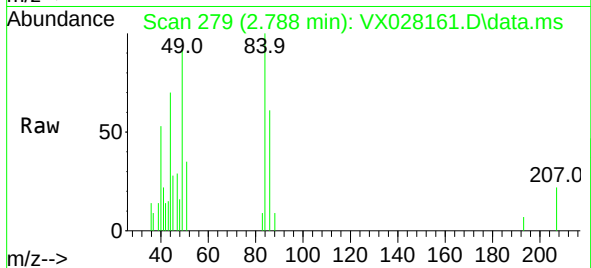
Acq: 19 Apr 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

CL-1-041422



Tgt Ion: 84 Resp: 1575

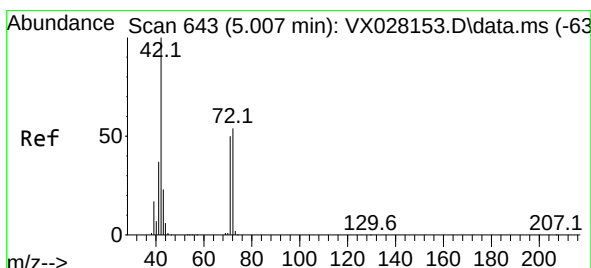
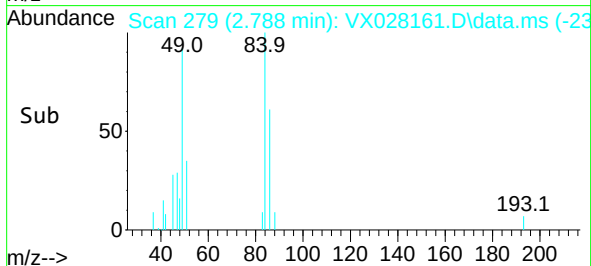
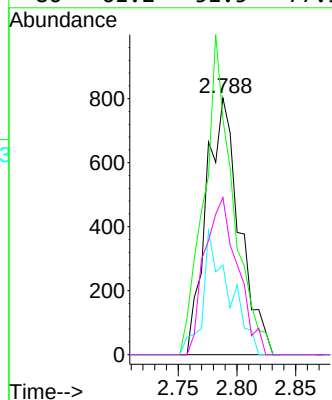
Ion Ratio Lower Upper

84 100

49 91.8 85.5 128.3

51 34.9 26.6 39.8

86 61.2 51.5 77.3



#29

Tetrahydrofuran

Concen: 0.742 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.049 min

Lab File: VX028161.D

Acq: 19 Apr 2022 15:42

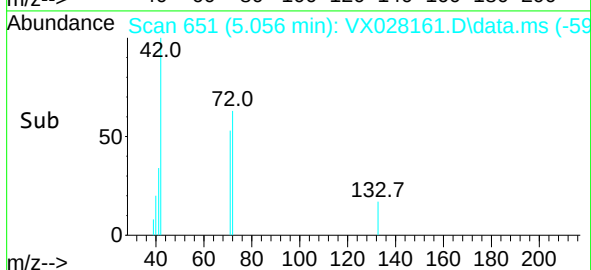
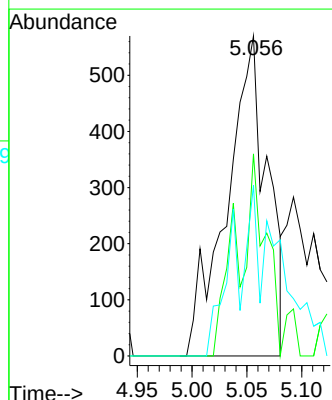
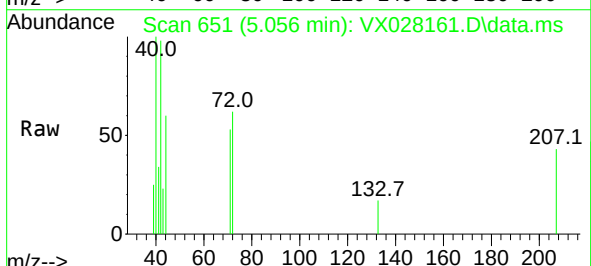
Tgt Ion: 42 Resp: 1472

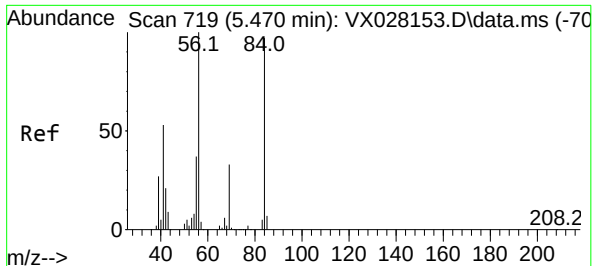
Ion Ratio Lower Upper

42 100

72 31.8 44.1 66.1#

71 9.3 40.5 60.7#

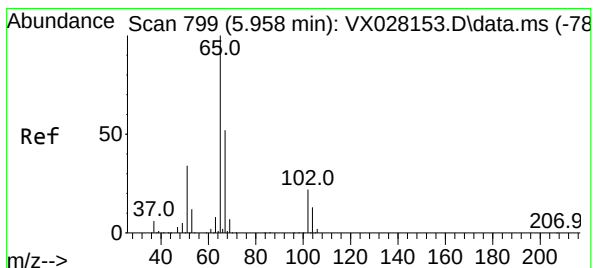
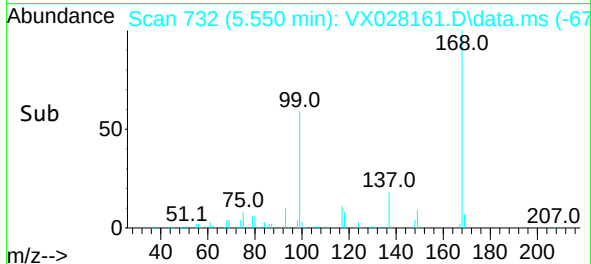
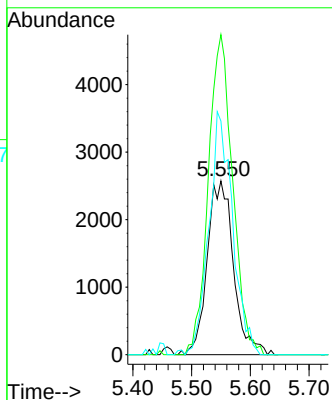
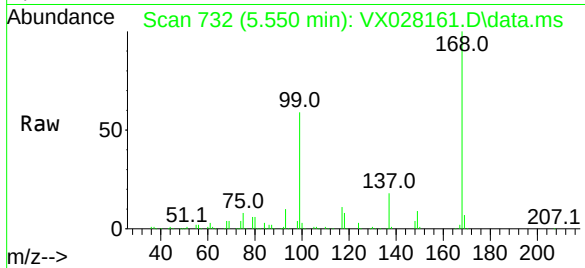




#31
Cyclohexane
Concen: 1.275 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

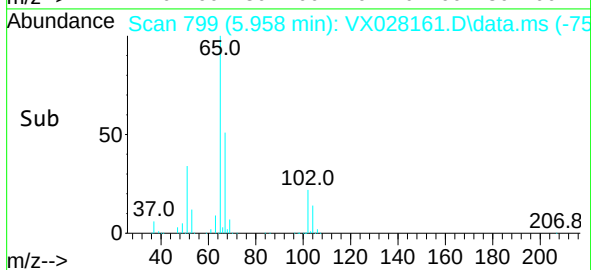
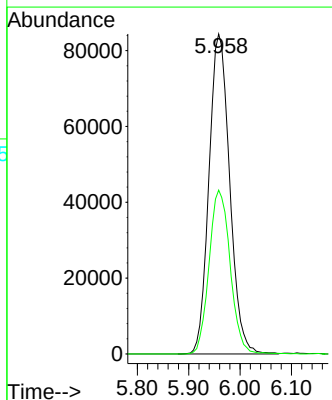
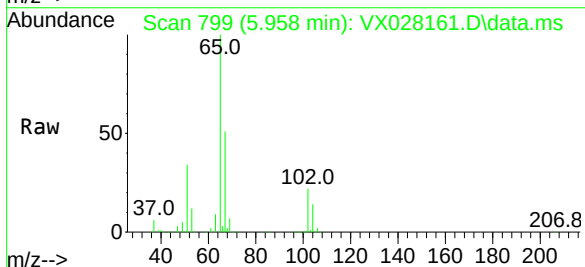
Instrument :
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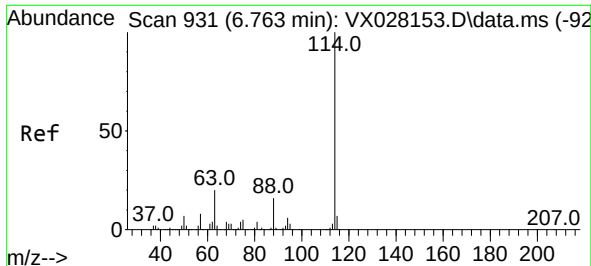
Tgt Ion: 56 Resp: 7986
Ion Ratio Lower Upper
56 100
69 184.1 26.7 40.1#
84 140.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 45.944 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion: 65 Resp: 236153
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4

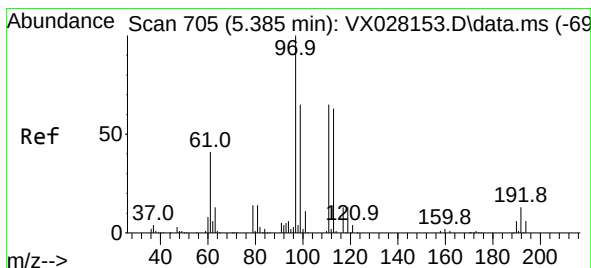
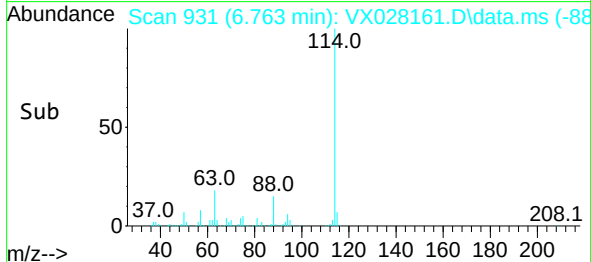
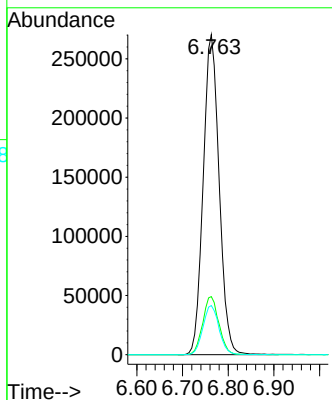
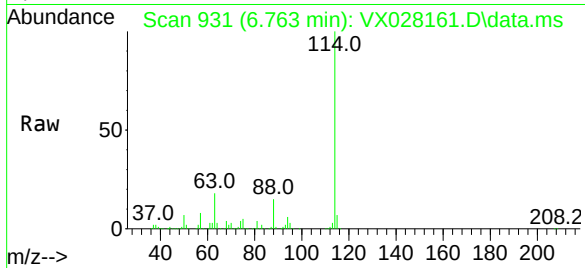




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

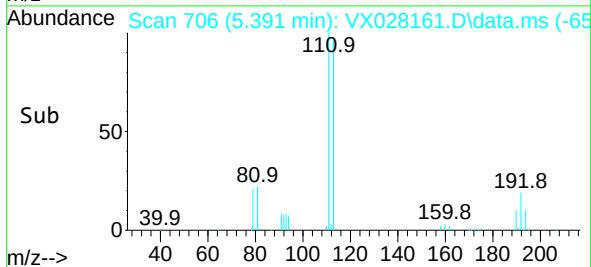
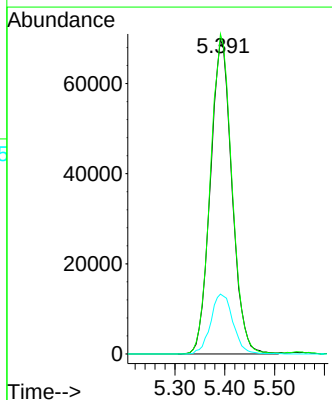
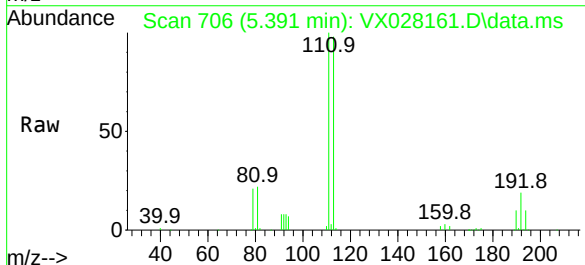
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

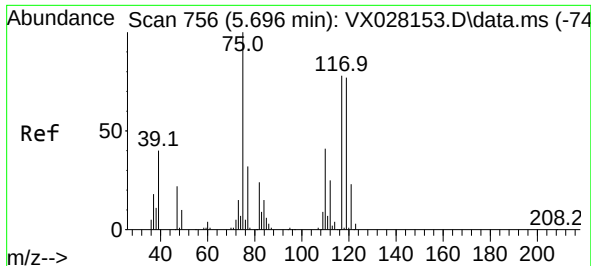
Tgt Ion:114 Resp: 655473
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 15.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.562 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion:113 Resp: 209438
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 19.7 16.9 25.3

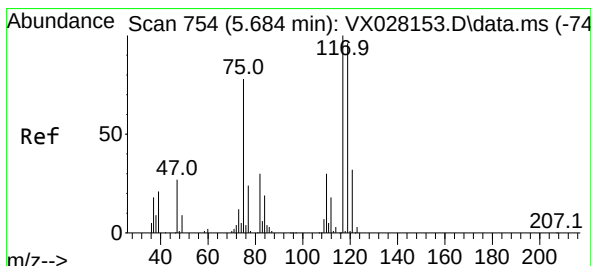
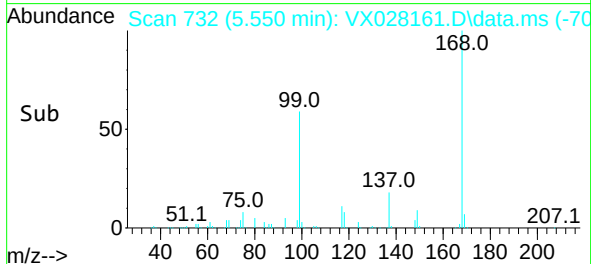
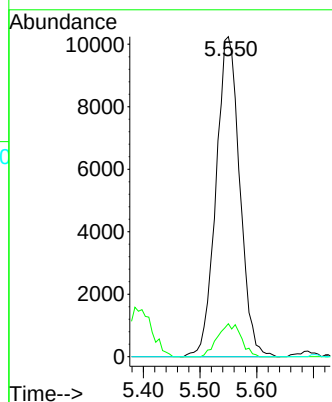
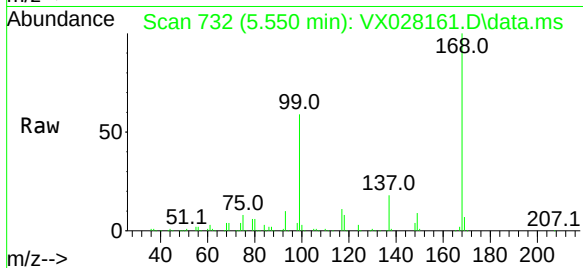




#36
 1,1-Dichloropropene
 Concen: 4.963 ug/l
 RT: 5.550 min Scan# 712
 Delta R.T. -0.146 min
 Lab File: VX028161.D
 Acq: 19 Apr 2022 15:42

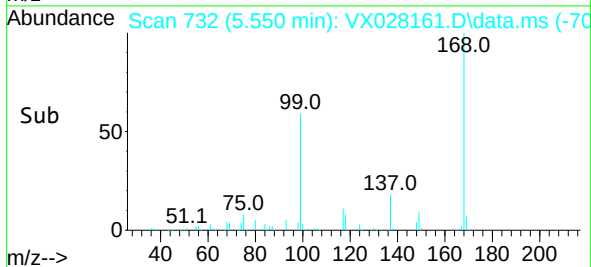
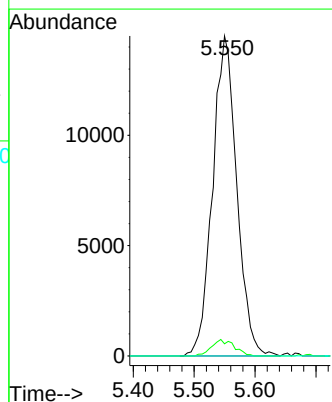
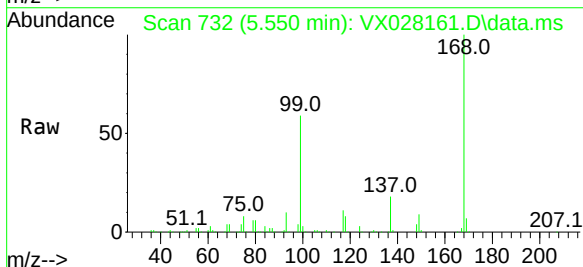
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-1-041422

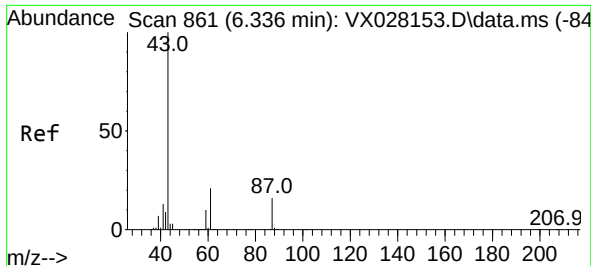
Tgt Ion: 75 Resp: 29758
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.3 54.8#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.911 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.134 min
 Lab File: VX028161.D
 Acq: 19 Apr 2022 15:42

Tgt Ion: 117 Resp: 40013
 Ion Ratio Lower Upper
 117 100
 119 3.8 77.3 115.9#
 121 0.0 24.2 36.2#

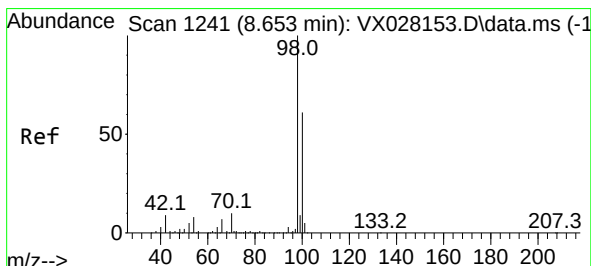
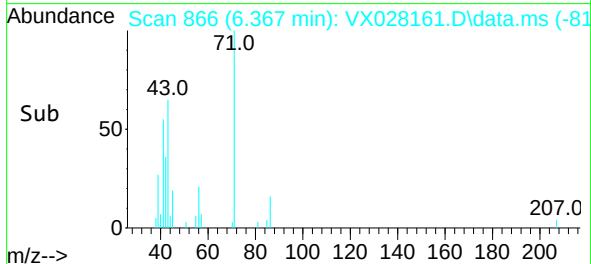
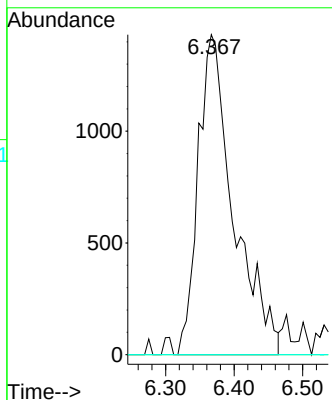
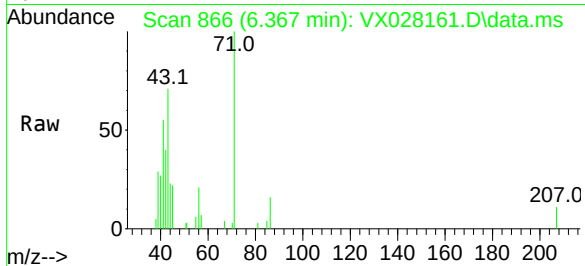




#43
Isopropyl Acetate
Concen: 0.523 ug/l
RT: 6.367 min Scan# 80
Delta R.T. 0.031 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

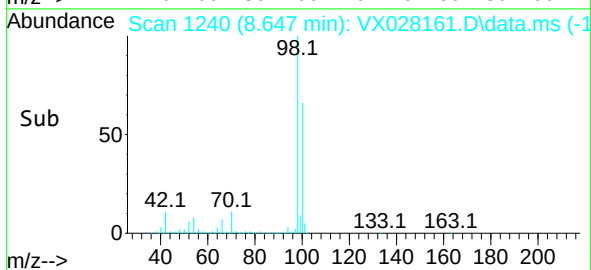
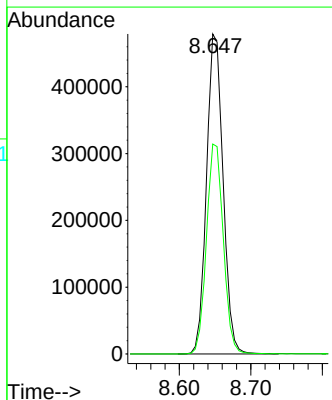
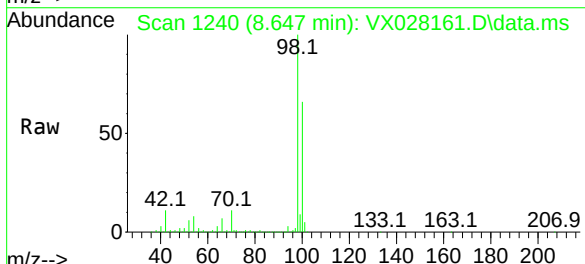
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

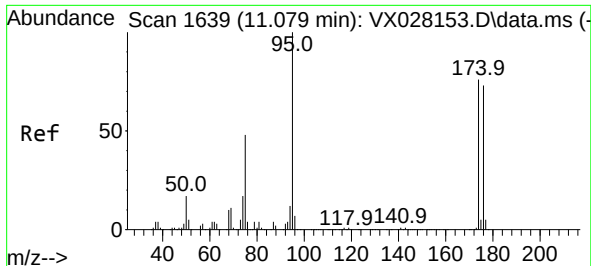
Tgt Ion: 43 Resp: 5179
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#



#50
Toluene-d8
Concen: 43.601 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion: 98 Resp: 769796
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8

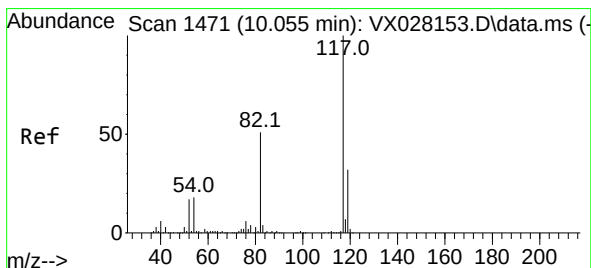
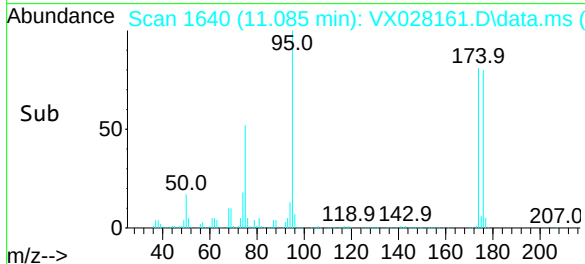
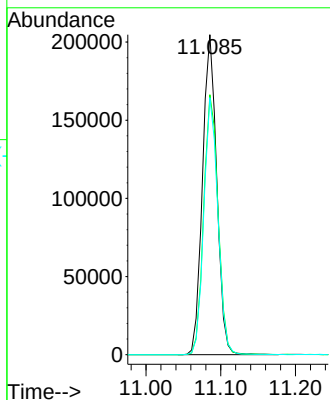
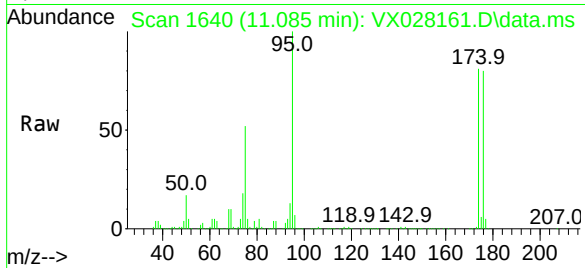




#62
4-Bromofluorobenzene
Concen: 40.092 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

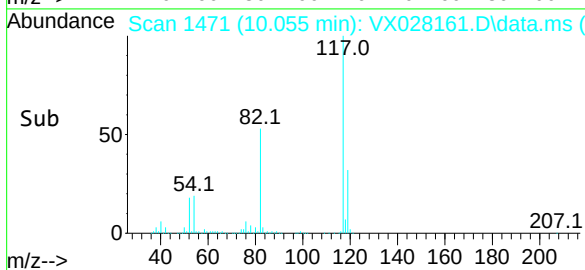
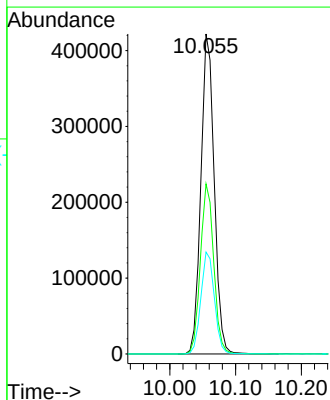
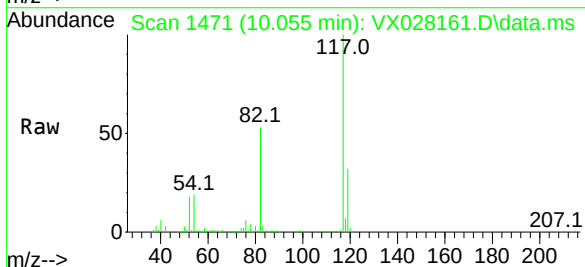
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

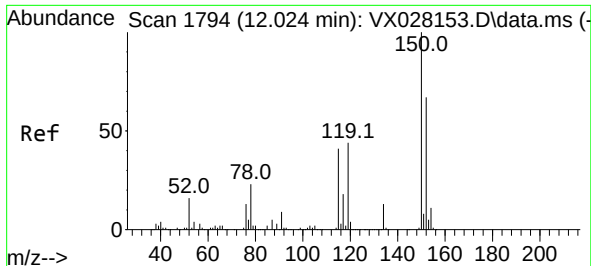
Tgt Ion: 95 Resp: 270646
Ion Ratio Lower Upper
95 100
174 82.2 0.0 163.0
176 79.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

Tgt Ion: 117 Resp: 595218
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.8
119 31.8 24.8 37.2

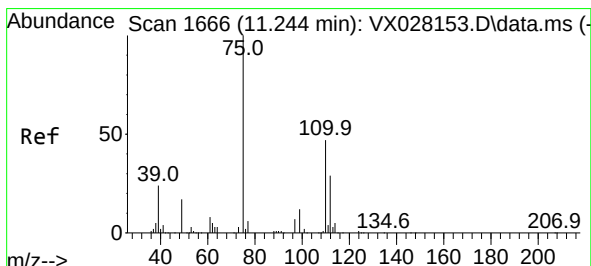
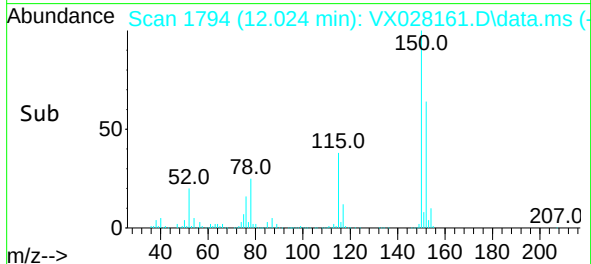
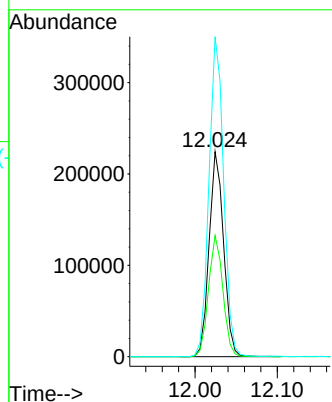
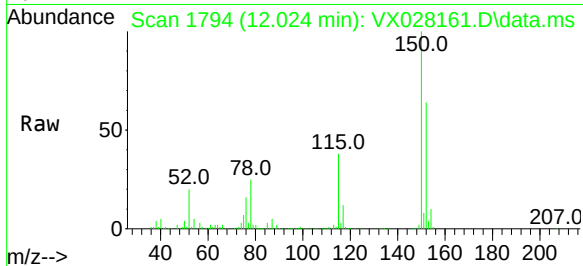




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028161.D
 Acq: 19 Apr 2022 15:42

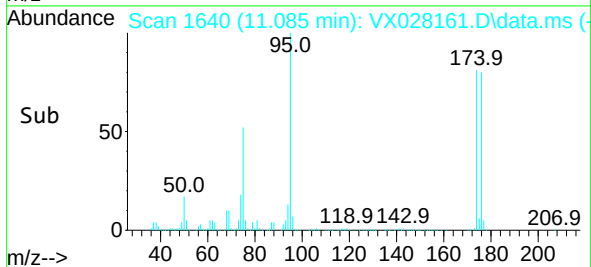
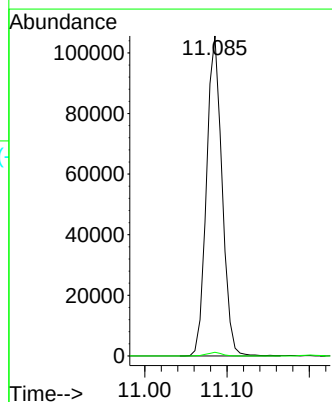
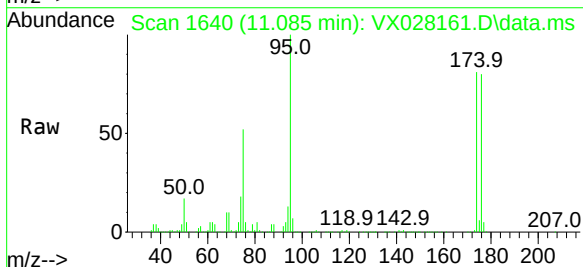
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-1-041422

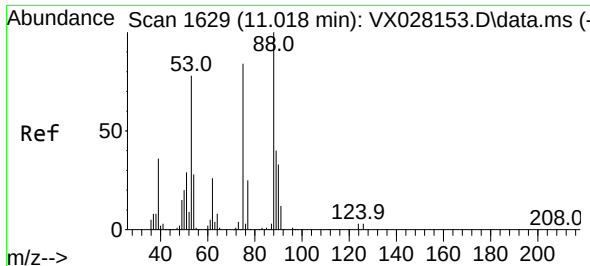
Tgt Ion:152 Resp: 275061
 Ion Ratio Lower Upper
 152 100
 115 58.7 37.5 112.7
 150 157.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 25.576 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX028161.D
 Acq: 19 Apr 2022 15:42

Tgt Ion: 75 Resp: 138454
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

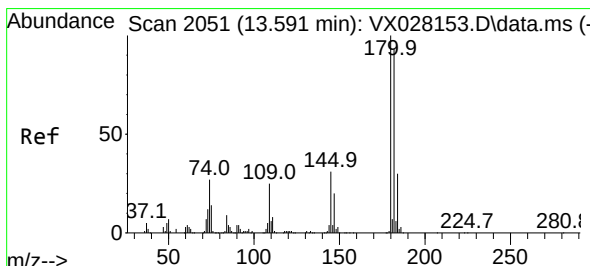
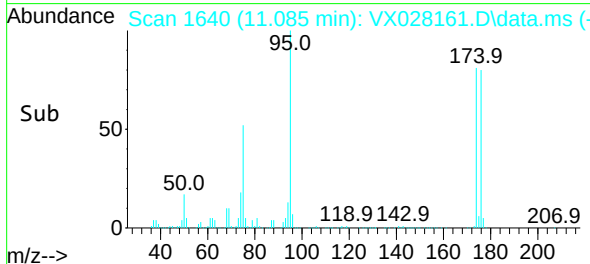
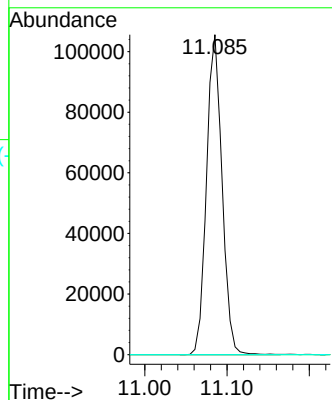
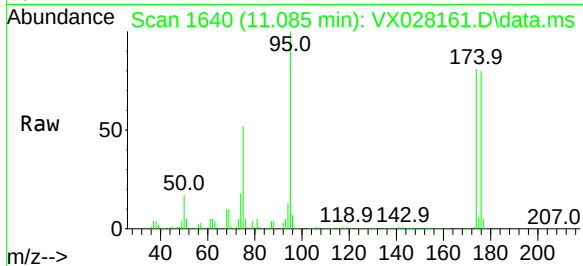




#81
trans-1,4-Dichloro-2-butene
Concen: 76.006 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

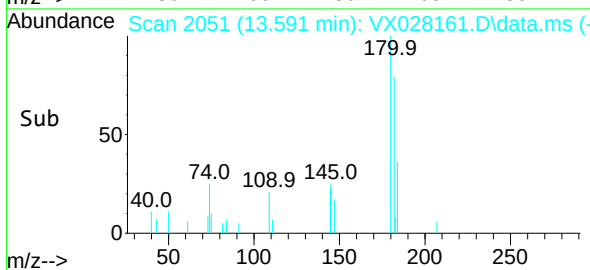
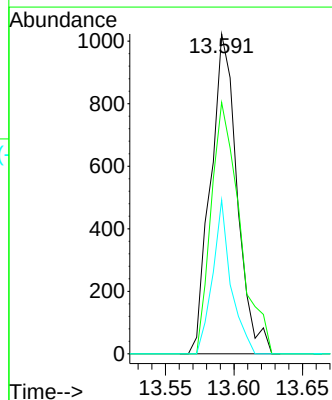
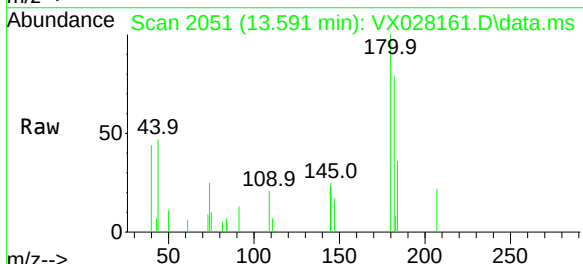
Instrument :
MSVOA_X
ClientSampleId :
CL-1-041422

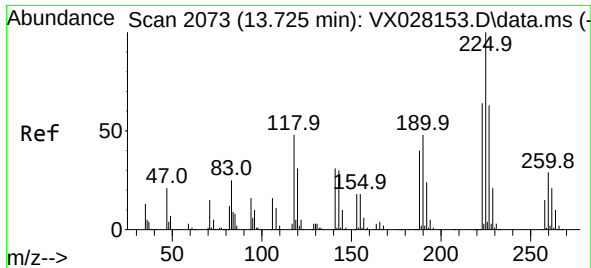
Tgt Ion: 75 Resp: 138454
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.252 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX028161.D
Acq: 19 Apr 2022 15:42

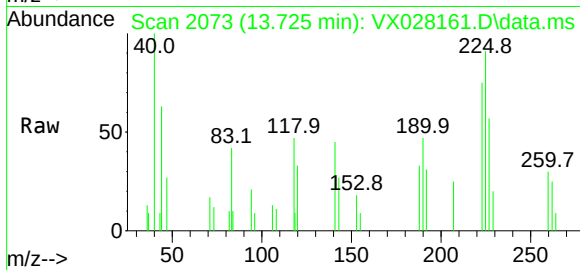
Tgt Ion: 180 Resp: 1378
Ion Ratio Lower Upper
180 100
182 84.5 47.7 143.1
145 33.2 15.2 45.5





#94
 Hexachlorobutadiene
 Concen: 0.278 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX028161.D
 Acq: 19 Apr 2022 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-1-041422



Tgt Ion:	225	Resp:	678
Ion	Ratio	Lower	Upper
225	100		
223	68.3	34.2	102.5
227	65.5	33.9	101.7

