

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072822\
 Data File : VX030266.D
 Acq On : 28 Jul 2022 12:53
 Operator : JC/MD
 Sample : VX0728MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728MBL01

Quant Time: Jul 29 05:56:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

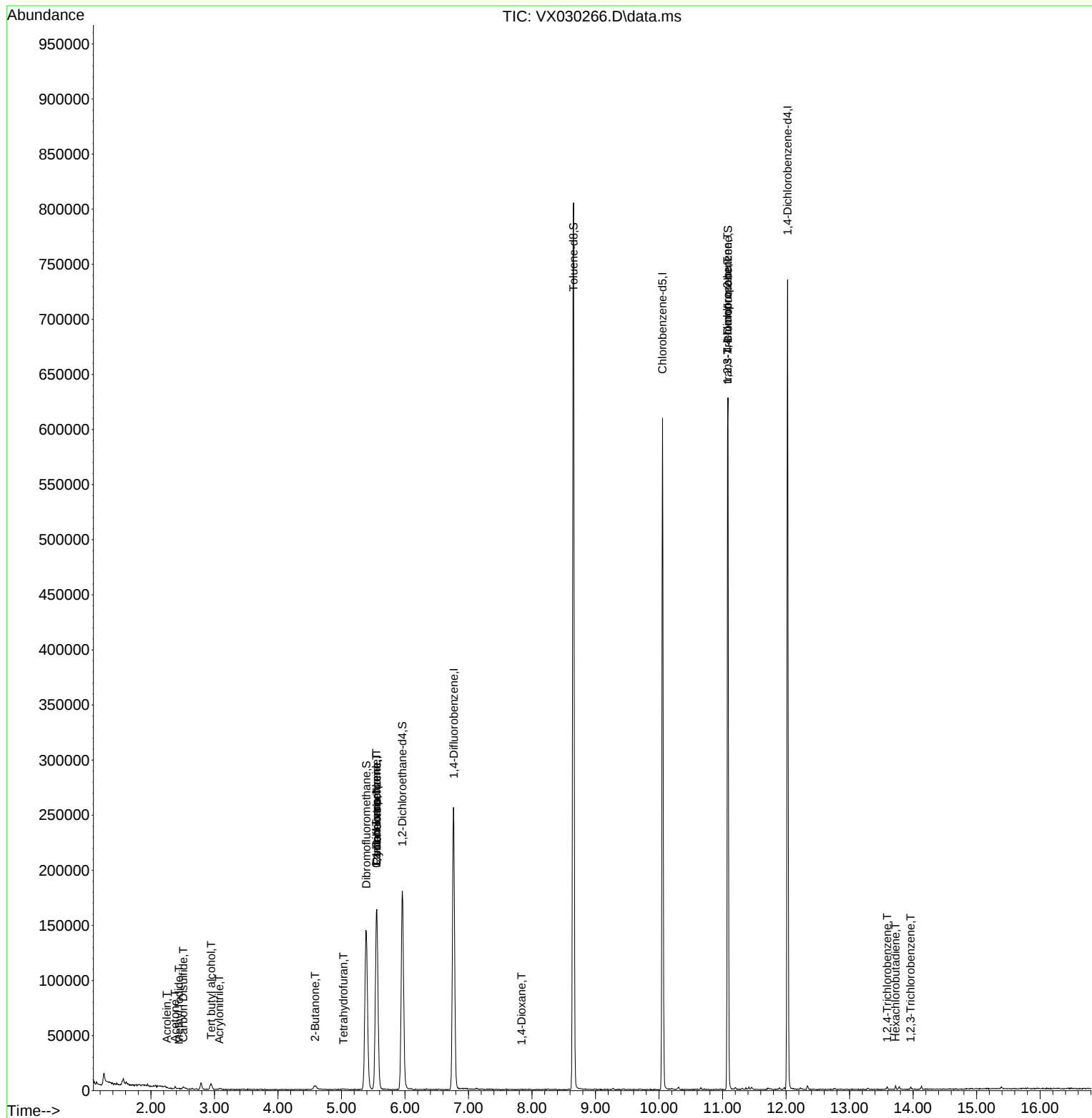
Internal Standards						
1) Pentafluorobenzene	5.556	168	155262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	259774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165748	53.113	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.220%			
35) Dibromofluoromethane	5.391	113	132018	53.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.320%			
50) Toluene-d8	8.653	98	485225	50.455	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.920%			
62) 4-Bromofluorobenzene	11.085	95	173731	48.676	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.360%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	616	Below Cal		99
10) Methyl Iodide	2.441	142	319	1.653 ug/l #		29
11) Tert butyl alcohol	2.947	59	3035	3.987 ug/l #		74
13) Acrolein	2.252	56	183	0.978 ug/l		85
15) Acrylonitrile	3.075	53	567	0.301 ug/l #		76
16) Acetone	2.380	43	1631	1.021 ug/l		99
17) Carbon Disulfide	2.508	76	2028	0.310 ug/l		98
20) Methylene Chloride	2.794	84	2672	Below Cal		92
25) 2-Butanone	4.587	43	1035	0.385 ug/l #		80
29) Tetrahydrofuran	5.032	42	475	0.263 ug/l #		51
31) Cyclohexane	5.556	56	3482	0.768 ug/l #		1
36) 1,1-Dichloropropene	5.550	75	13295	3.720 ug/l #		47
38) Carbon Tetrachloride	5.550	117	15727	4.714 ug/l #		19
49) 1,4-Dioxane	7.836	88	48	0.569 ug/l #		1
67) Ethyl Benzene	10.201	91	575	Below Cal #		77
76) 1,2,3-Trichloropropane	11.079	75	85219	21.964 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	85219	65.891 ug/l #		13
93) 1,2,4-Trichlorobenzene	13.591	180	671	0.225 ug/l		92
94) Hexachlorobutadiene	13.725	225	444	0.370 ug/l		80
96) 1,2,3-Trichlorobenzene	13.963	180	662	0.216 ug/l		87

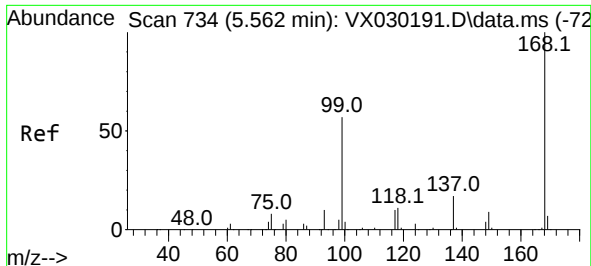
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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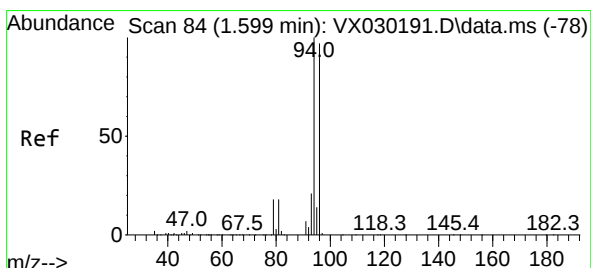
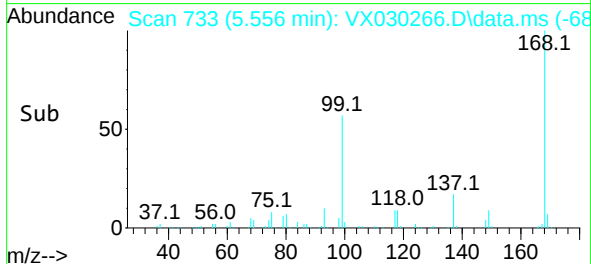
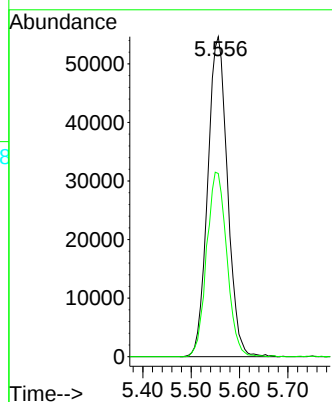
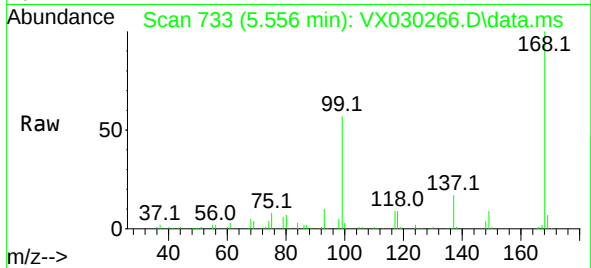




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

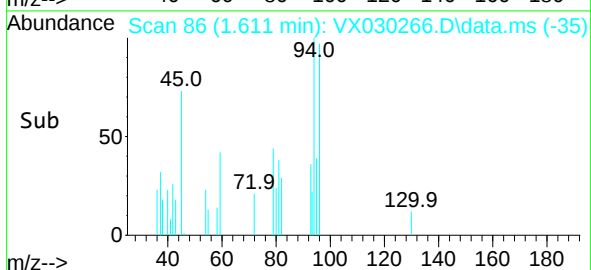
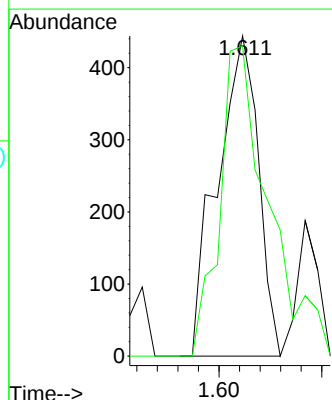
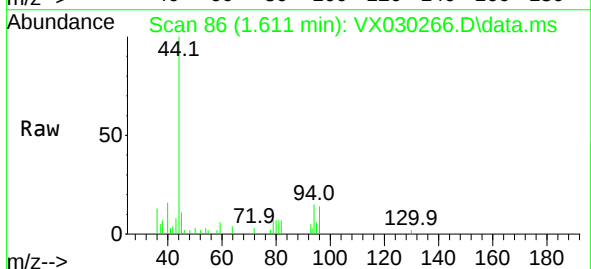
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

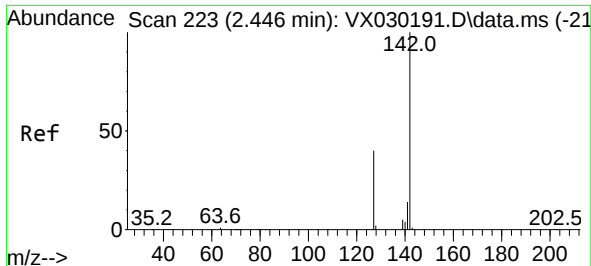
Tgt Ion:168 Resp: 155262
Ion Ratio Lower Upper
168 100
99 57.3 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 94 Resp: 616
Ion Ratio Lower Upper
94 100
96 96.8 76.9 115.3

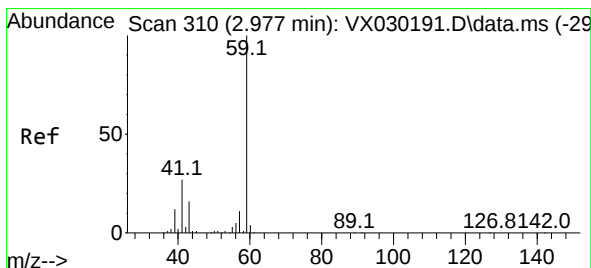
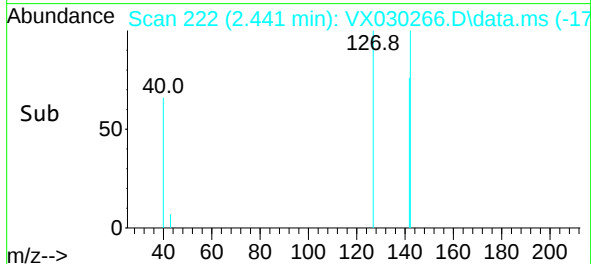
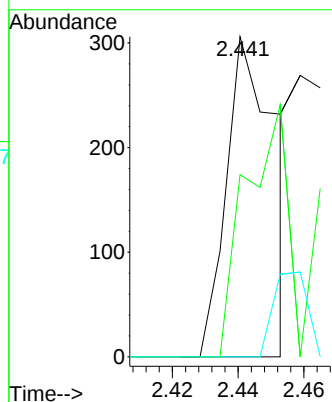
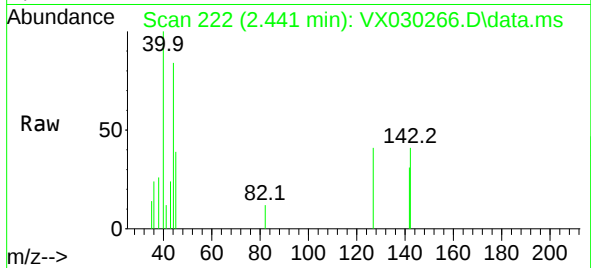




#10
Methyl Iodide
Concen: 1.653 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.005 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

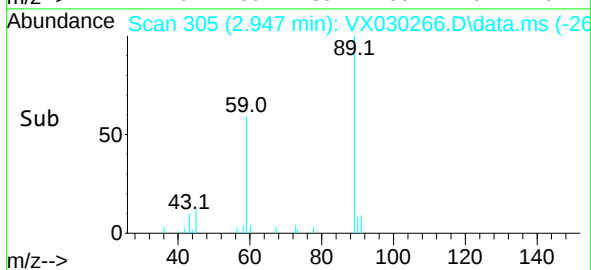
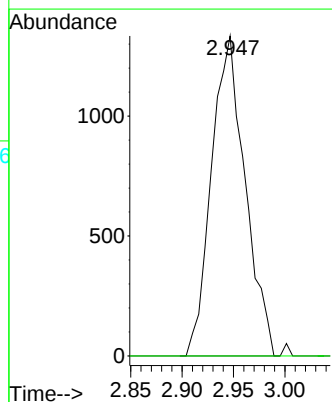
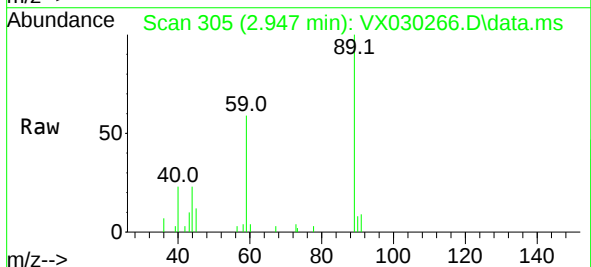
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

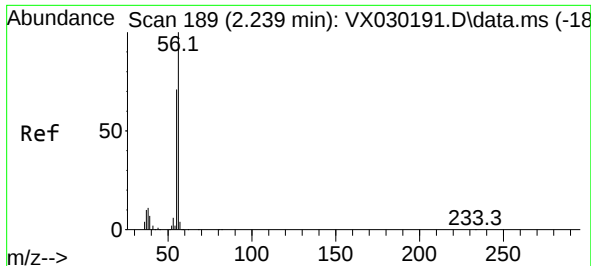
Tgt Ion:142 Resp: 319
Ion Ratio Lower Upper
142 100
127 94.0 30.2 45.2#
141 18.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.987 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 59 Resp: 3035
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

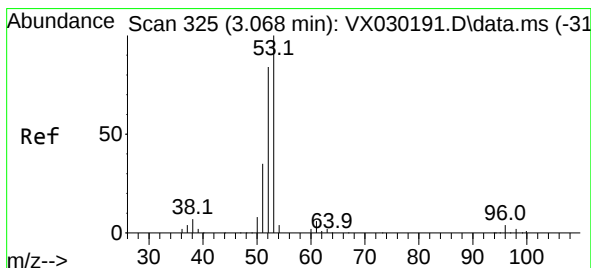
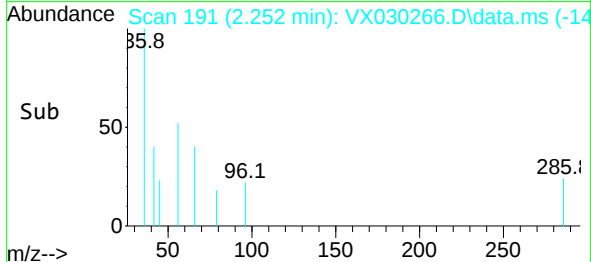
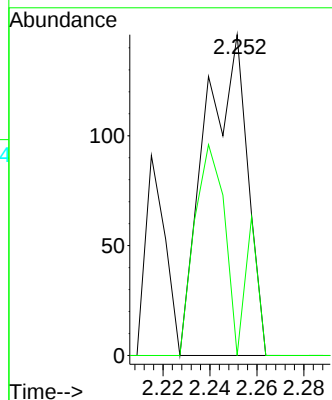
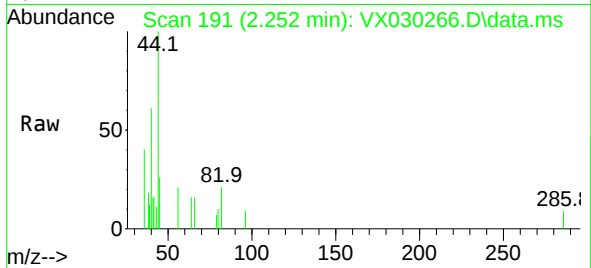




#13
Acrolein
Concen: 0.978 ug/l
RT: 2.252 min Scan# 14
Delta R.T. 0.013 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

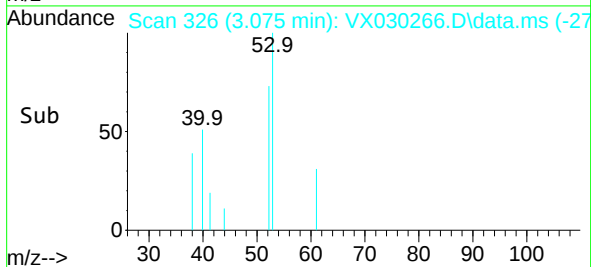
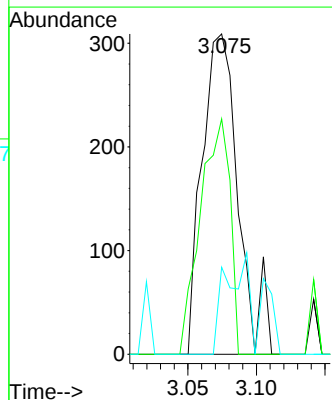
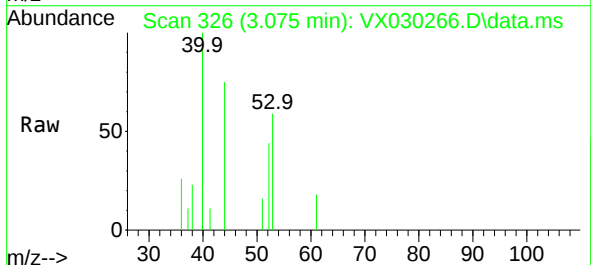
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

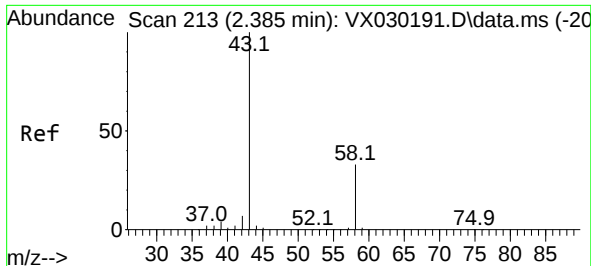
Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 58.5 56.6 84.8



#15
Acrylonitrile
Concen: 0.301 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.007 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 53 Resp: 567
Ion Ratio Lower Upper
53 100
52 60.3 65.4 98.0#
51 19.9 27.7 41.5#

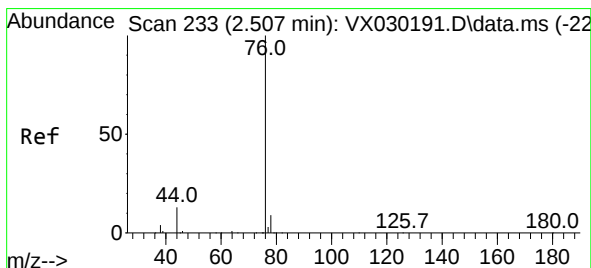
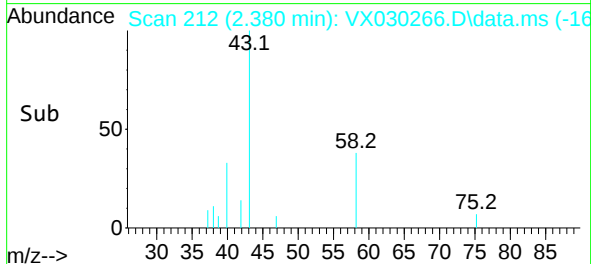
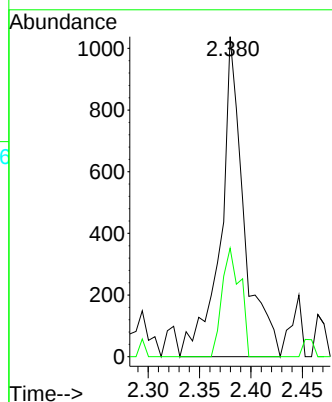
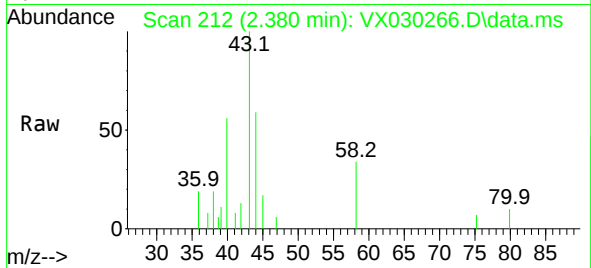




#16
Acetone
Concen: 1.021 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.005 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

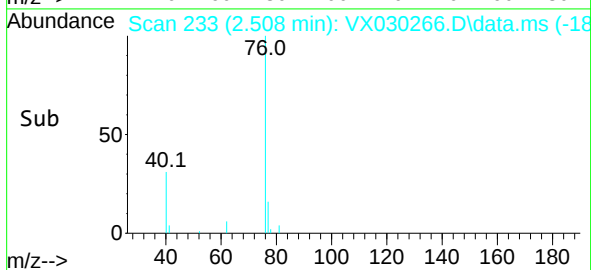
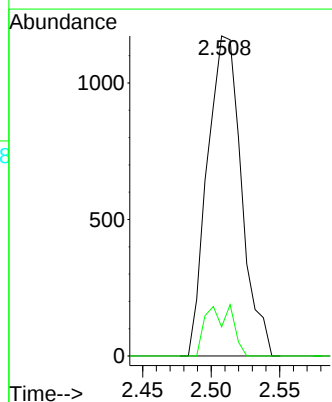
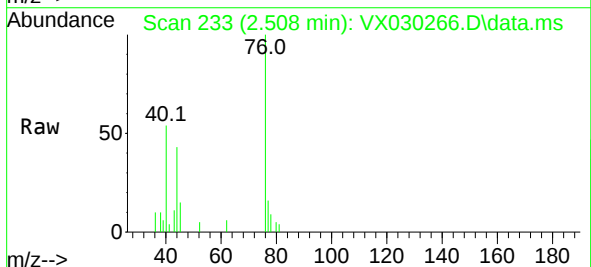
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

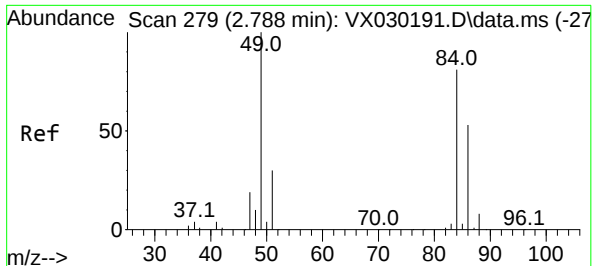
Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
58 33.9 27.7 41.5



#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.001 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 76 Resp: 2028
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6



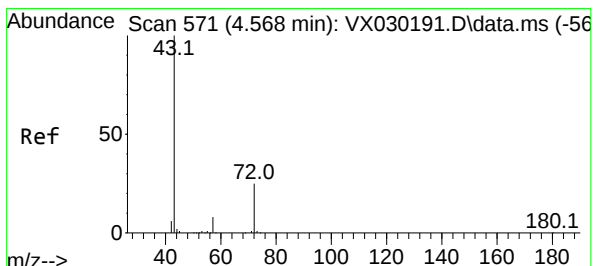
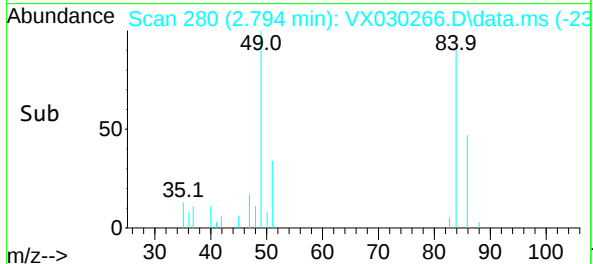
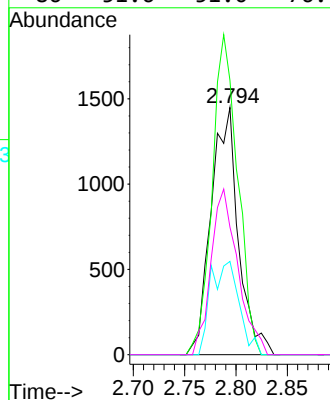
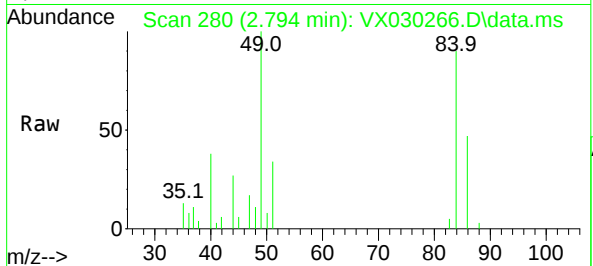


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

Tgt Ion: 84 Resp: 2672

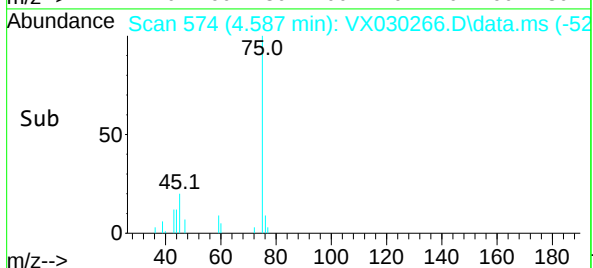
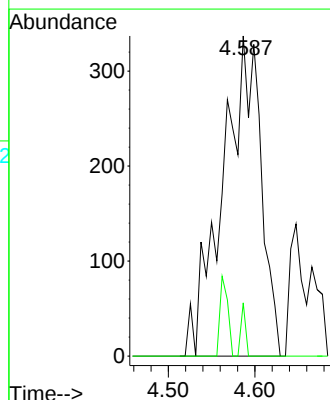
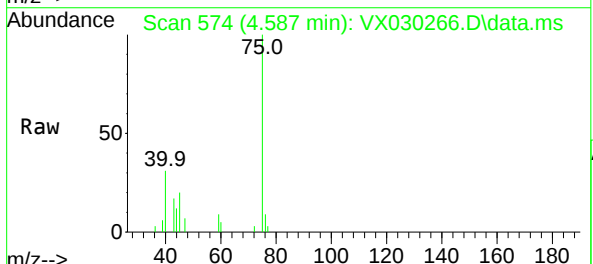
Ion	Ratio	Lower	Upper
84	100		
49	111.0	93.8	140.6
51	37.8	29.4	44.0
86	51.6	51.0	76.4

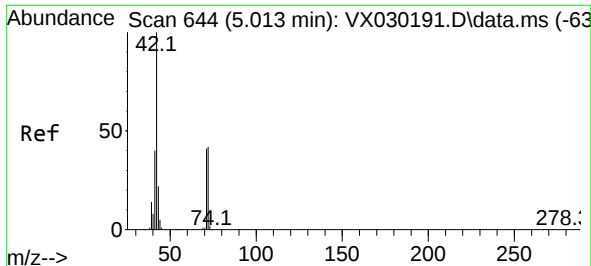


#25
2-Butanone
Concen: 0.385 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 43 Resp: 1035

Ion	Ratio	Lower	Upper
43	100		
72	16.6	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.263 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX030266.D

Acq: 28 Jul 2022 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0728MBL01

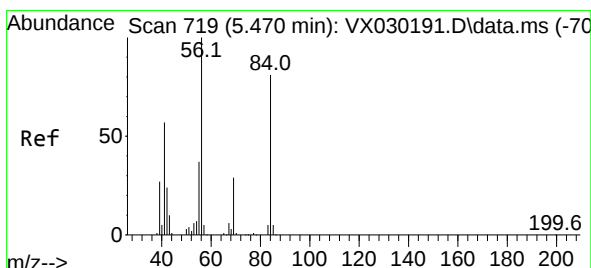
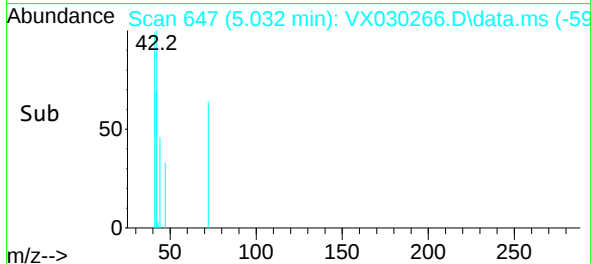
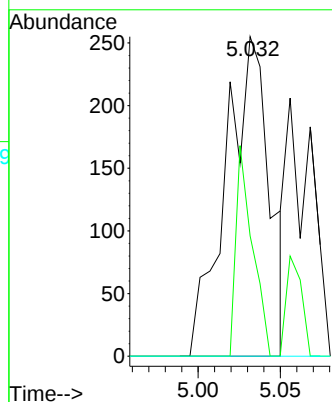
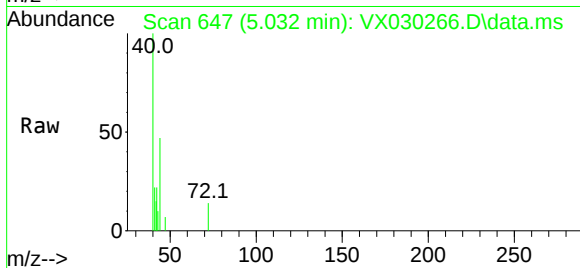
Tgt Ion: 42 Resp: 475

Ion Ratio Lower Upper

42 100

72 24.8 36.5 54.7#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 0.768 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX030266.D

Acq: 28 Jul 2022 12:53

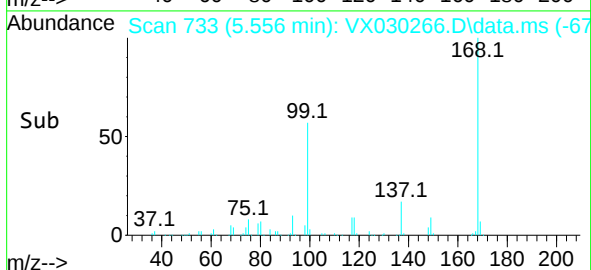
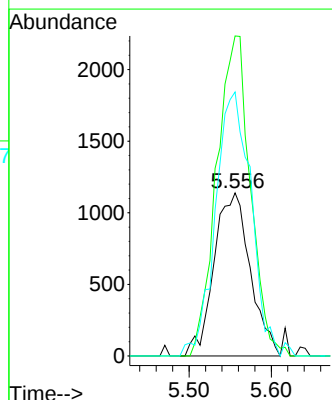
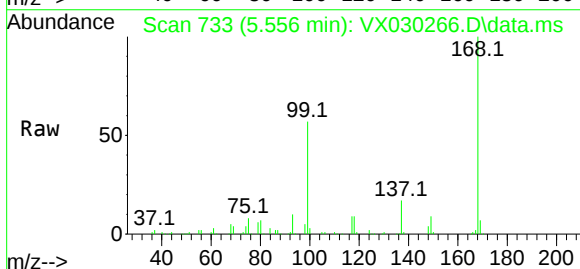
Tgt Ion: 56 Resp: 3482

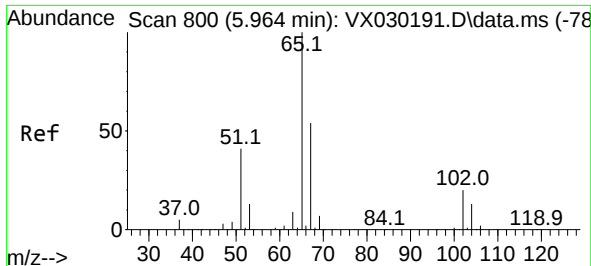
Ion Ratio Lower Upper

56 100

69 196.2 25.4 38.0#

84 161.9 68.9 103.3#

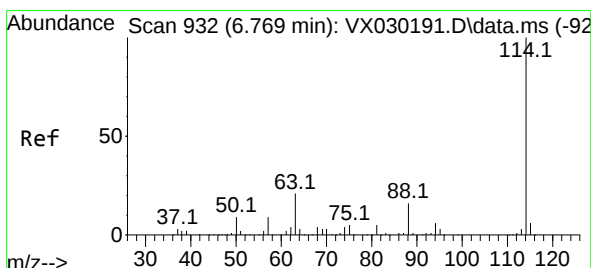
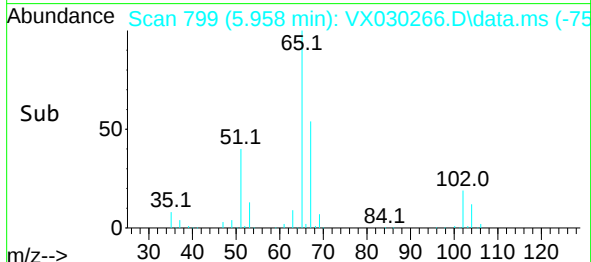
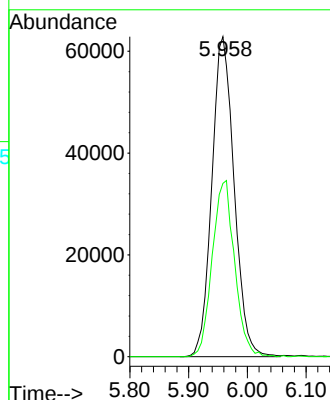
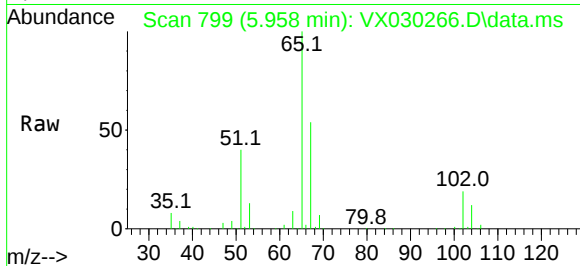




#33
1,2-Dichloroethane-d4
Concen: 53.113 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

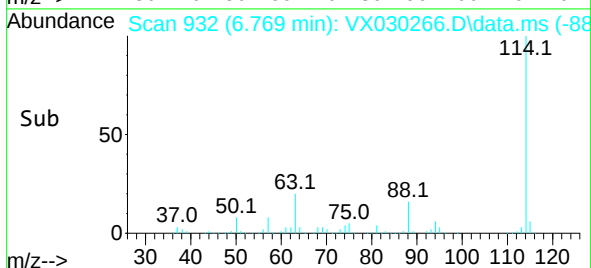
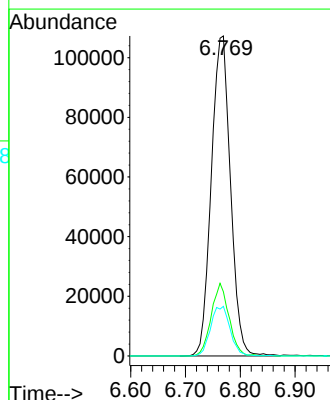
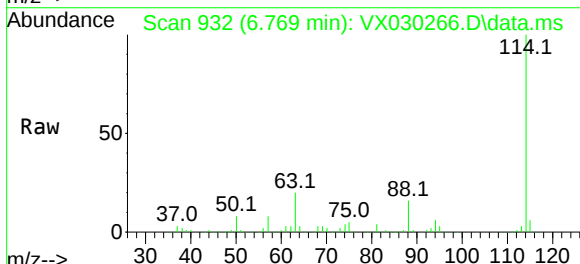
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VX0728MBL01

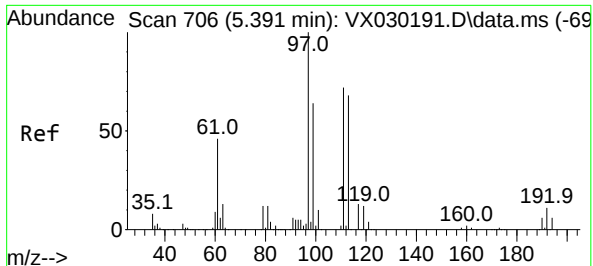
Tgt Ion: 65 Resp: 165748
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 114 Resp: 259774
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.4
88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.162 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030266.D

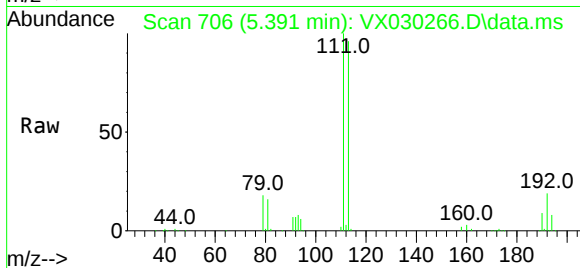
Acq: 28 Jul 2022 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0728MBL01



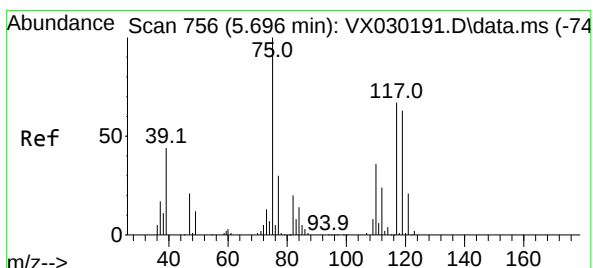
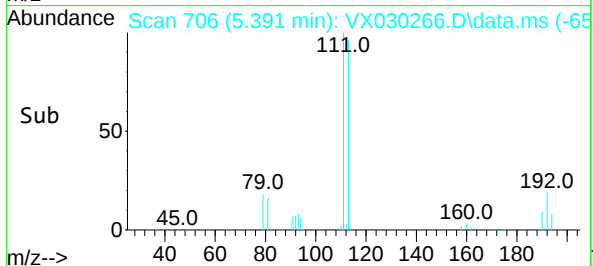
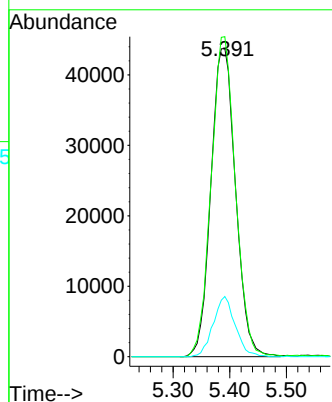
Tgt Ion:113 Resp: 132018

Ion Ratio Lower Upper

113 100

111 102.0 83.2 124.8

192 17.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.720 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030266.D

Acq: 28 Jul 2022 12:53

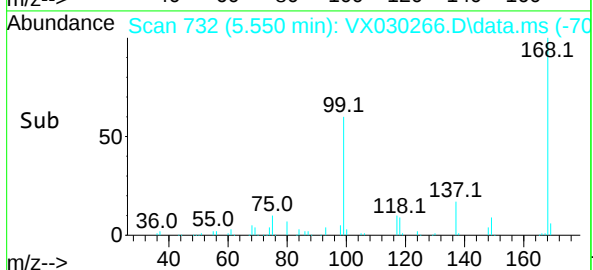
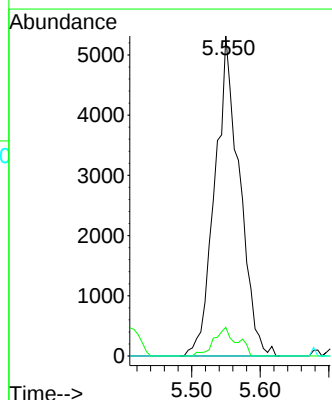
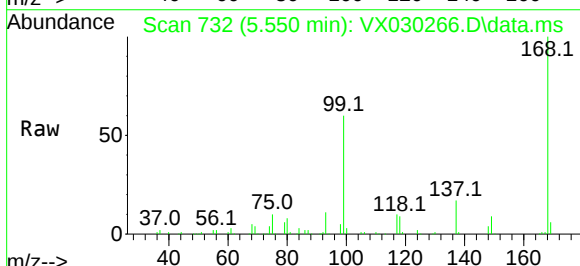
Tgt Ion: 75 Resp: 13295

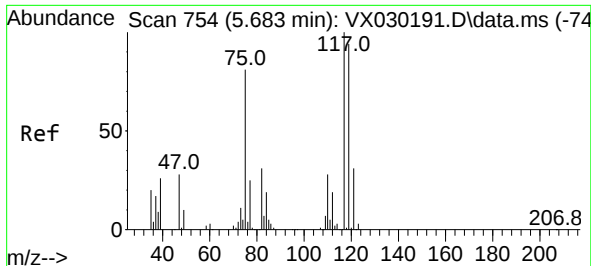
Ion Ratio Lower Upper

75 100

110 8.2 19.3 57.9#

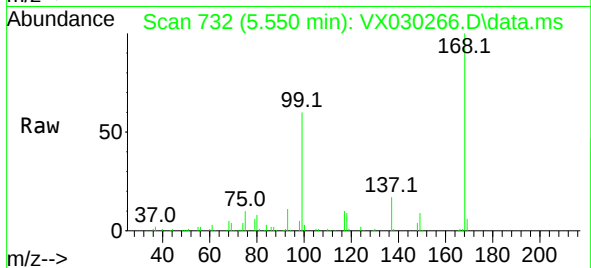
77 0.0 24.4 36.6#



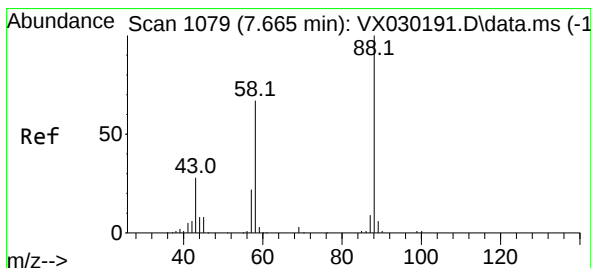
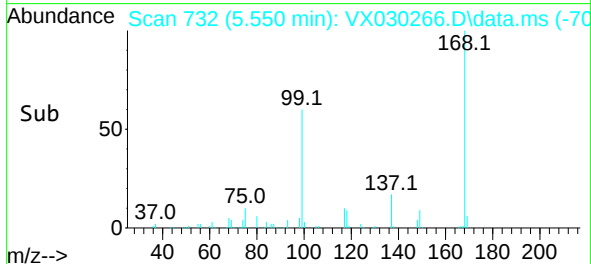
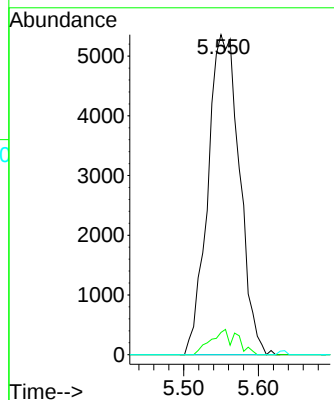


#38
Carbon Tetrachloride
Concen: 4.714 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.133 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

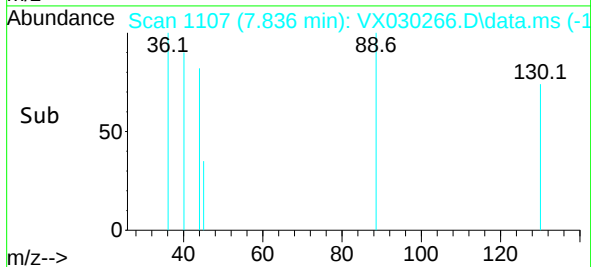
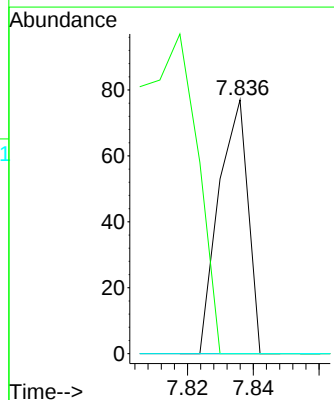
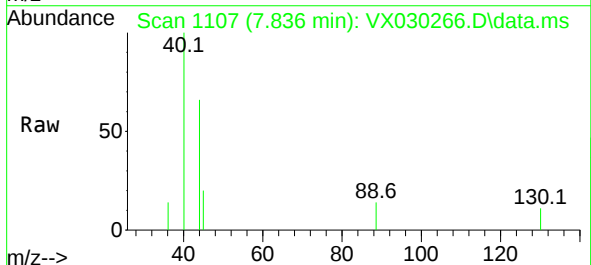


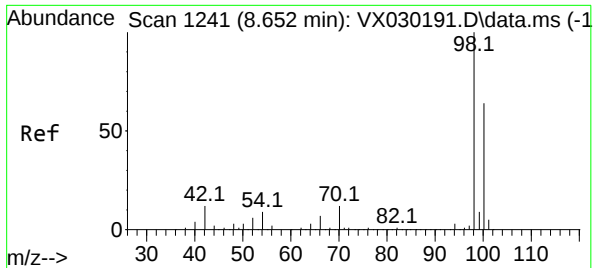
Tgt Ion:117 Resp: 15727
Ion Ratio Lower Upper
117 100
119 6.9 74.1 111.1#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 0.569 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.171 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 243.8 23.8 35.8#
58 0.0 53.8 80.6#

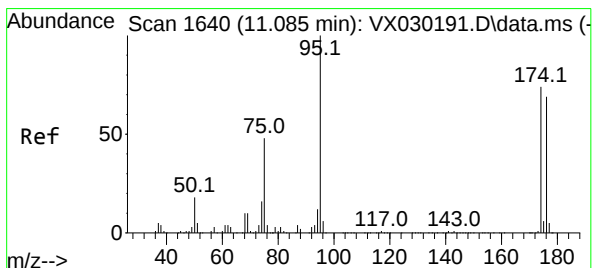
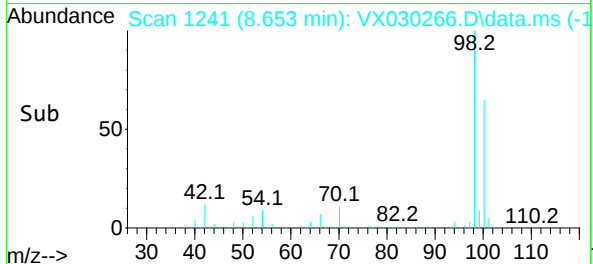
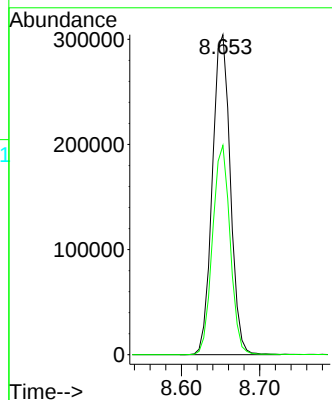
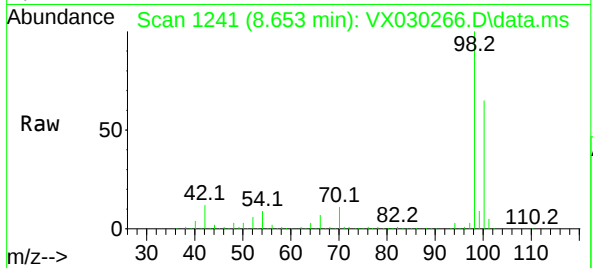




#50
Toluene-d8
Concen: 50.455 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

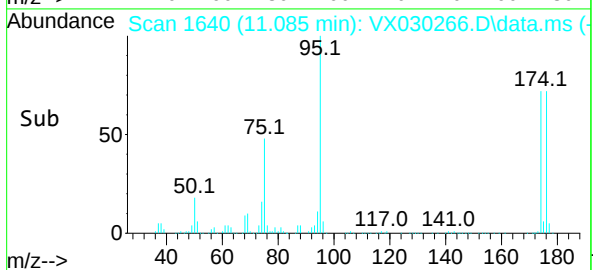
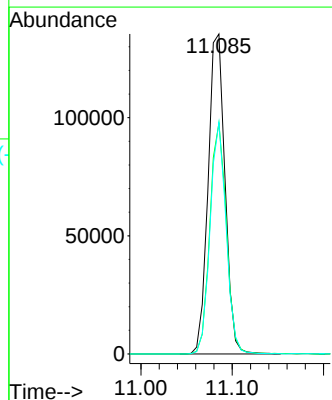
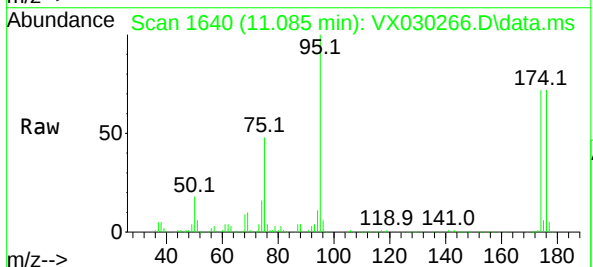
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

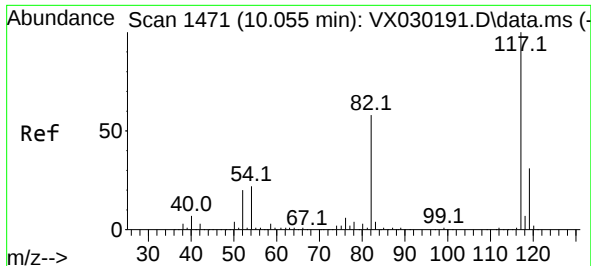
Tgt Ion: 98 Resp: 485225
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.676 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 95 Resp: 173731
Ion Ratio Lower Upper
95 100
174 70.5 0.0 149.0
176 68.5 0.0 146.0

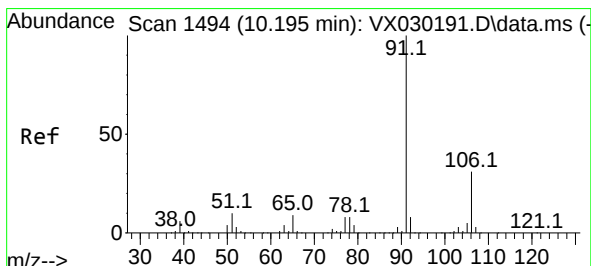
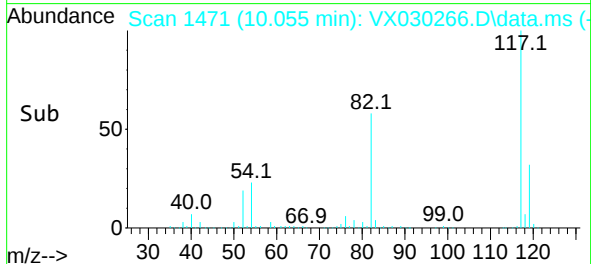
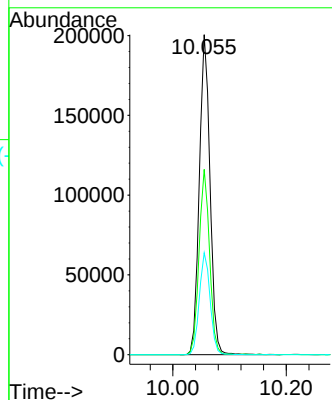
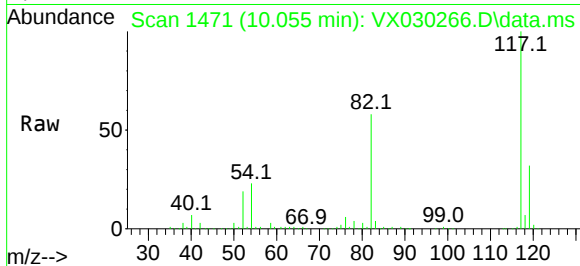




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

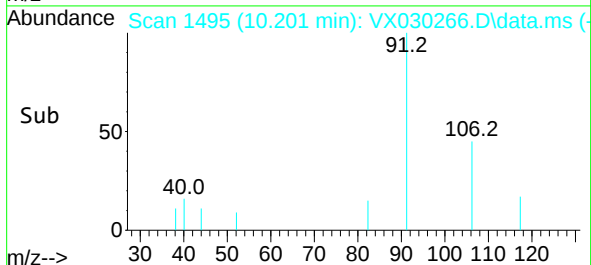
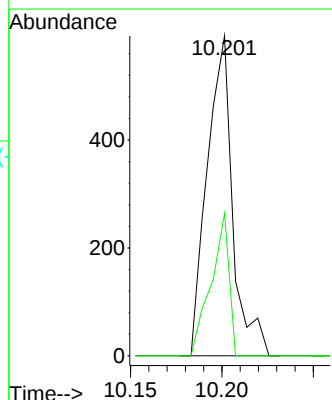
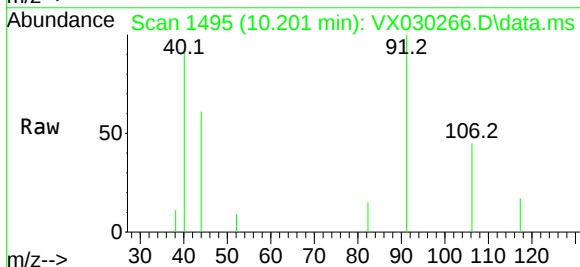
Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

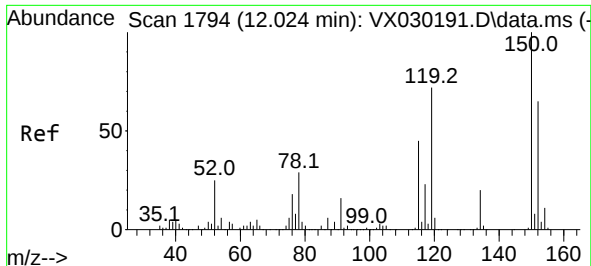
Tgt Ion:117 Resp: 262003
Ion Ratio Lower Upper
117 100
82 57.9 42.7 64.1
119 31.9 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion: 91 Resp: 575
Ion Ratio Lower Upper
91 100
106 44.5 25.5 38.3#

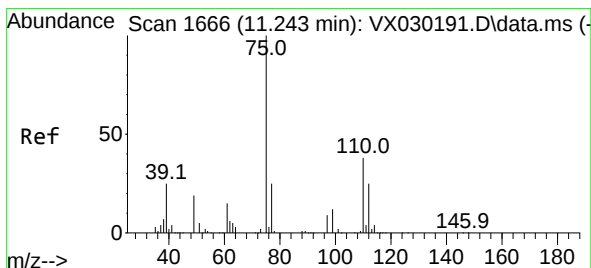
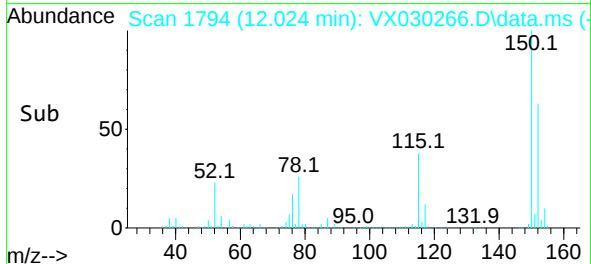
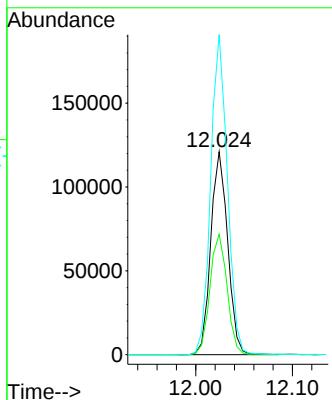
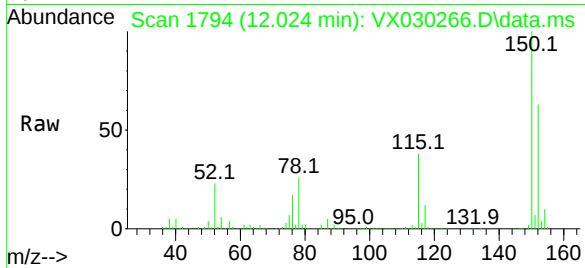




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030266.D
 Acq: 28 Jul 2022 12:53

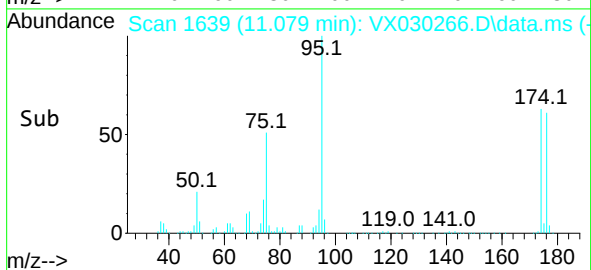
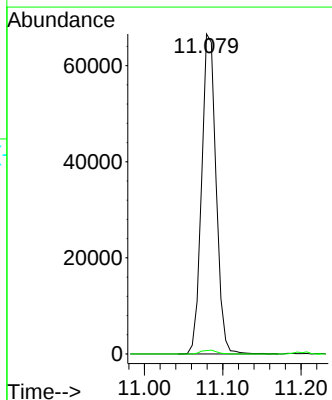
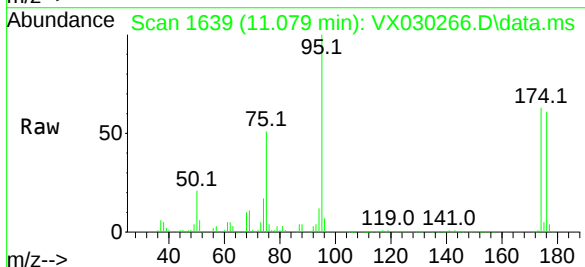
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728MBL01

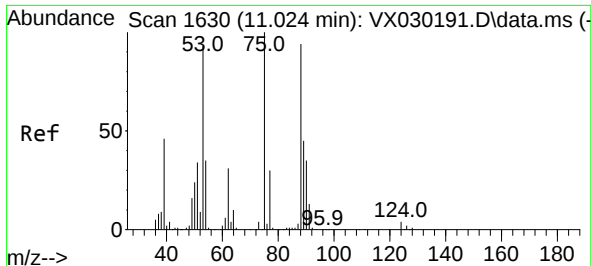
Tgt Ion:152 Resp: 147193
 Ion Ratio Lower Upper
 152 100
 115 60.1 40.5 121.5
 150 155.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.964 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX030266.D
 Acq: 28 Jul 2022 12:53

Tgt Ion: 75 Resp: 85219
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#

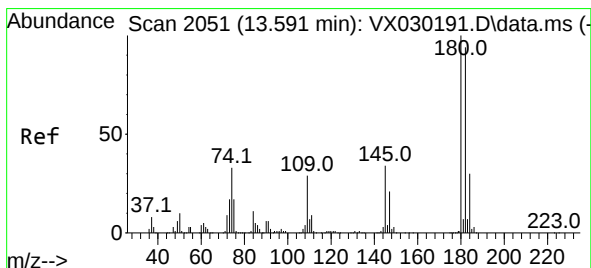
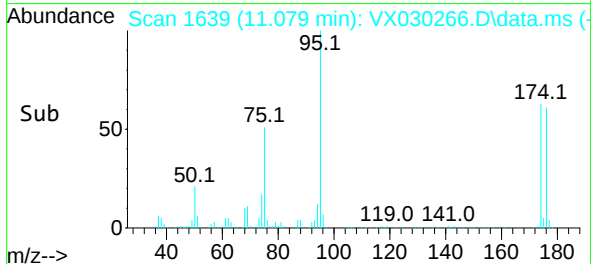
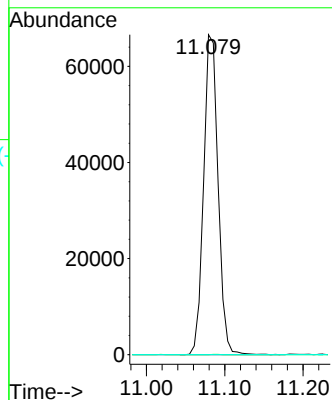
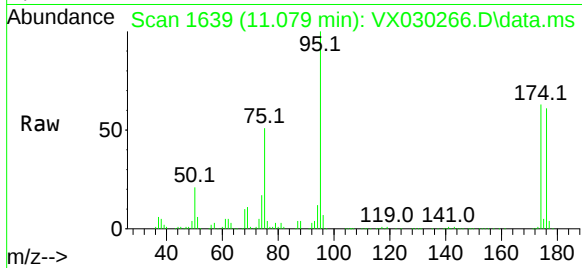




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.891 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX030266.D
 Acq: 28 Jul 2022 12:53

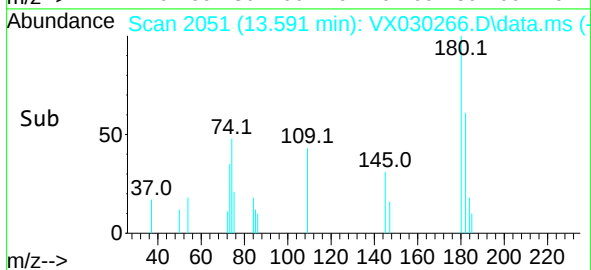
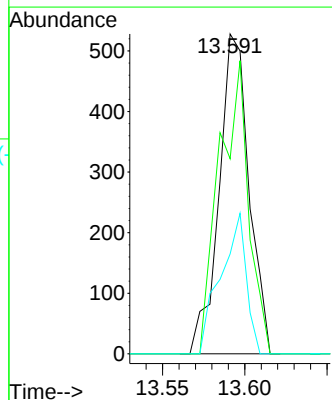
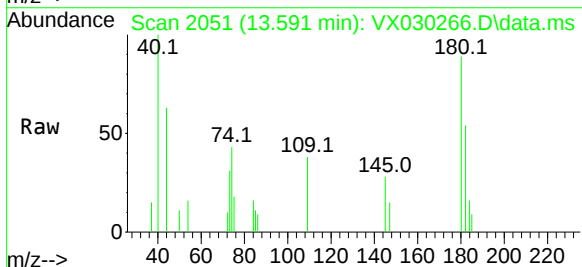
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728MBL01

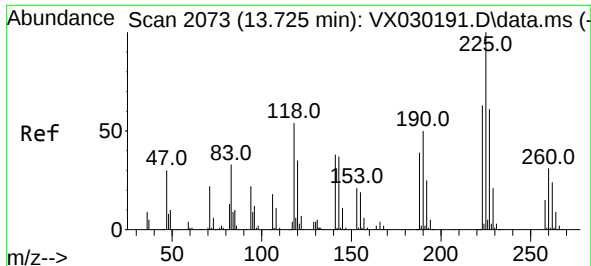
Tgt Ion: 75 Resp: 85219
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.8 52.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.225 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX030266.D
 Acq: 28 Jul 2022 12:53

Tgt Ion:180 Resp: 671
 Ion Ratio Lower Upper
 180 100
 182 89.1 48.2 144.6
 145 37.6 15.9 47.6

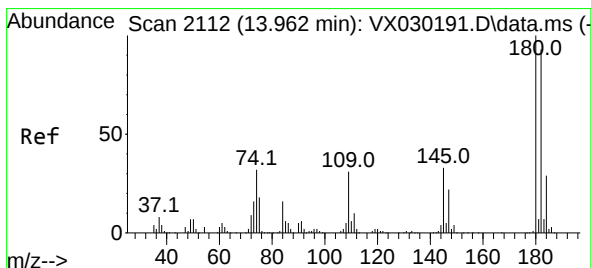
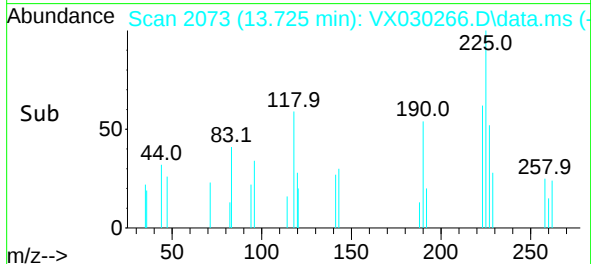
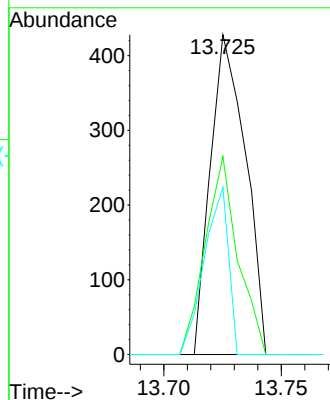
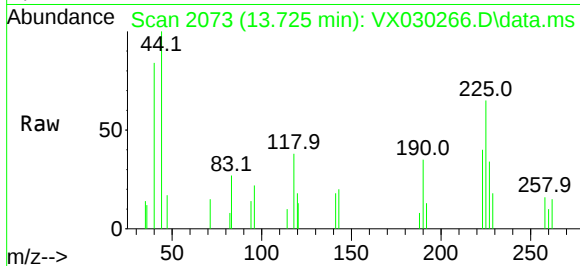




#94
Hexachlorobutadiene
Concen: 0.370 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0728MBL01

Tgt Ion:225	Resp:	444
Ion	Ratio	Lower Upper
225	100	
223	57.9	30.6 91.6
227	36.3	31.9 95.9



#96
1,2,3-Trichlorobenzene
Concen: 0.216 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.001 min
Lab File: VX030266.D
Acq: 28 Jul 2022 12:53

Tgt Ion:180	Resp:	662
Ion	Ratio	Lower Upper
180	100	
182	80.2	47.0 141.0
145	29.2	17.0 50.9

