

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032321\
 Data File : VX021381.D
 Acq On : 23 Mar 2021 13:41
 Operator : JC/MD
 Sample : M1721-01
 Misc : 6.11g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-031821

Quant Time: Mar 23 15:05:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

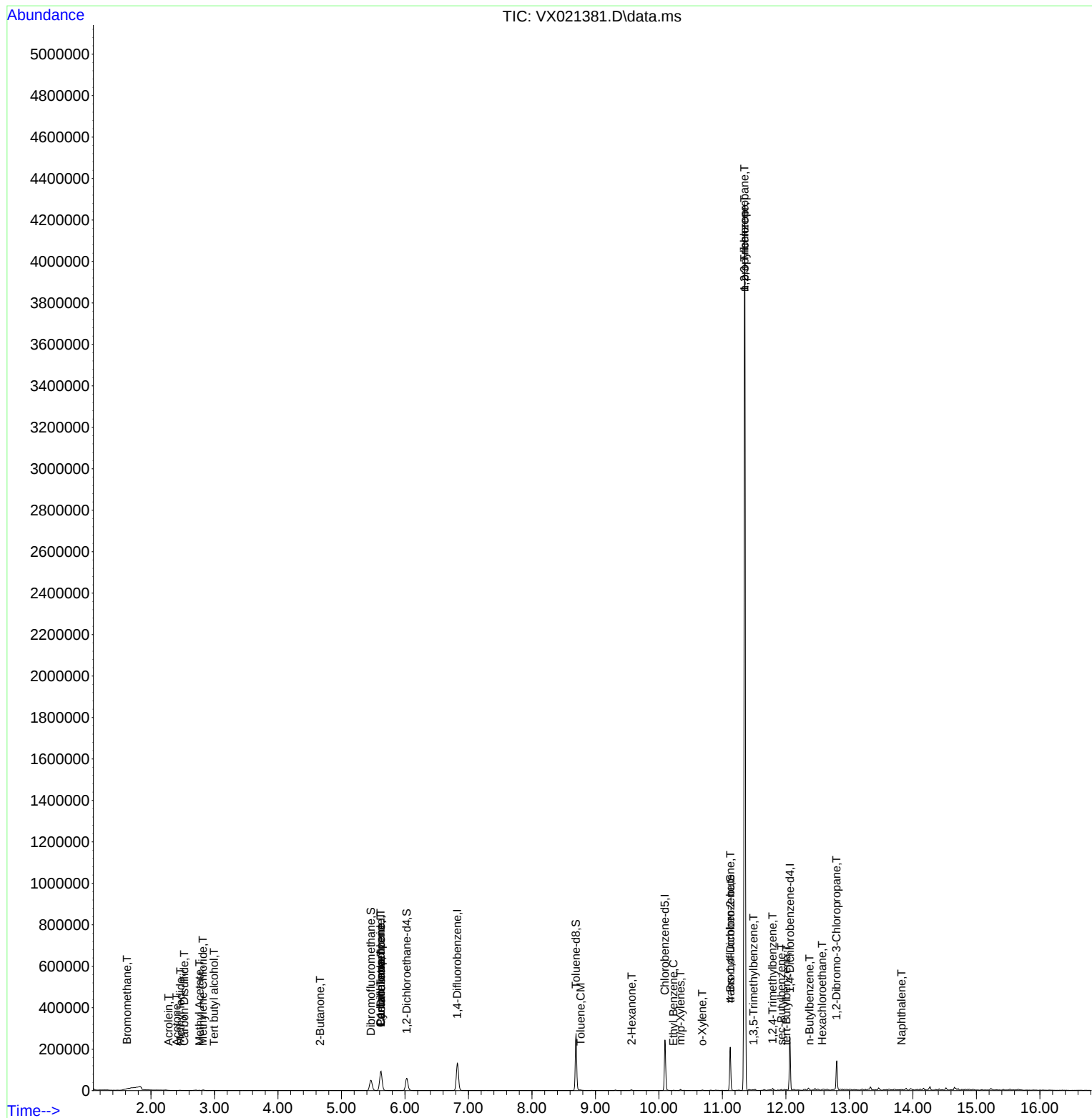
Internal Standards						
1) Pentafluorobenzene	5.623	168	81747	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.823	114	126548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	107872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	49685	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	60739	45.30	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.60%		
35) Dibromofluoromethane	5.464	113	43624	50.66	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.32%		
50) Toluene-d8	8.694	98	155499	49.77	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.54%		
62) 4-Bromofluorobenzene	11.124	95	54344	44.79	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.58%		
Target Compounds						Qvalue
3) Chloromethane	1.311	50	1713	Below Cal		89
5) Bromomethane	1.622	94	452	1.04 ug/l		83
10) Methyl Iodide	2.464	142	301	0.40 ug/l #		90
11) Tert butyl alcohol	2.993	59	341	1.51 ug/l #		73
13) Acrolein	2.276	56	20	3.27 ug/l #		14
16) Acetone	2.405	43	128	0.26 ug/l #		40
17) Carbon Disulfide	2.523	76	205	0.62 ug/l #		75
18) Methyl Acetate	2.764	43	1352	1.00 ug/l #		79
20) Methylene Chloride	2.817	84	1201	1.18 ug/l #		76
25) 2-Butanone	4.664	43	532	0.70 ug/l #		45
31) Cyclohexane	5.623	56	2328	1.44 ug/l #		44
36) 1,1-Dichloropropene	5.617	75	7399	5.80 ug/l #		49
38) Carbon Tetrachloride	5.617	117	8556	6.46 ug/l #		16
52) Toluene	8.765	92	859	0.40 ug/l		90
59) 2-Hexanone	9.571	43	641	0.61 ug/l #		23
67) Ethyl Benzene	10.229	91	890	0.22 ug/l		99
68) m/p-Xylenes	10.341	106	1118	0.76 ug/l		92
69) o-Xylene	10.682	106	485	0.34 ug/l		99
76) 1,2,3-Trichloropropane	11.347	75	31722	27.52 ug/l #		47
78) n-propylbenzene	11.347	91	2040	0.47 ug/l #		1
80) 1,3,5-Trimethylbenzene	11.488	105	1145	0.37 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.124	75	30694	72.30 ug/l #		12
83) tert-Butylbenzene	12.006	119	639	0.21 ug/l		86
84) 1,2,4-Trimethylbenzene	11.789	105	3397	1.07 ug/l		94
85) sec-Butylbenzene	11.930	105	727	0.21 ug/l		87
89) n-Butylbenzene	12.371	91	1767	0.60 ug/l #		59
90) Hexachloroethane	12.571	117	144	0.29 ug/l #		9
92) 1,2-Dibromo-3-Chloropr...	12.795	75	3640	11.58 ug/l #		1
95) Naphthalene	13.818	128	2191	0.62 ug/l #		92

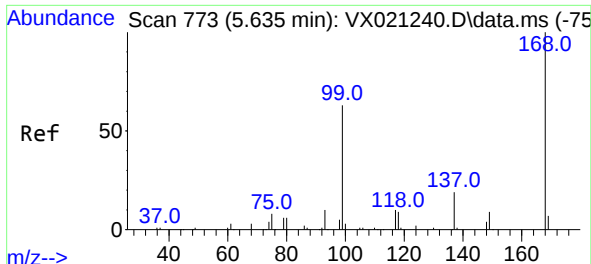
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

Quant Time: Mar 23 15:05:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

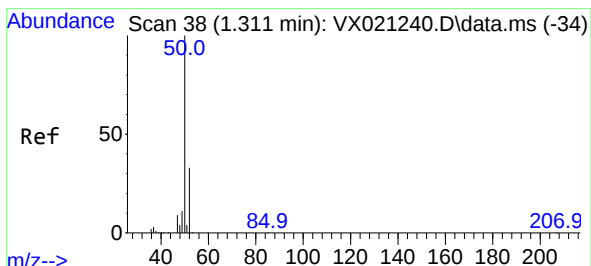
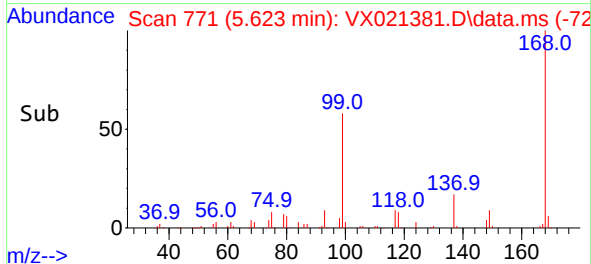
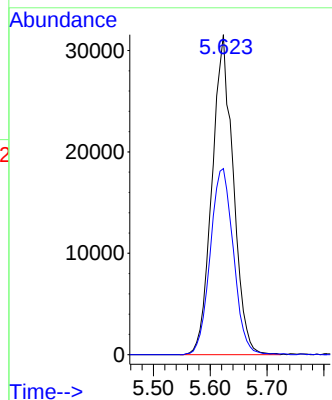
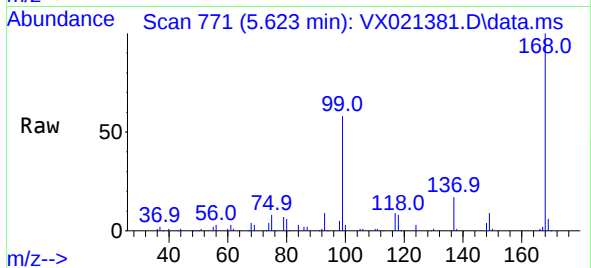




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.012 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

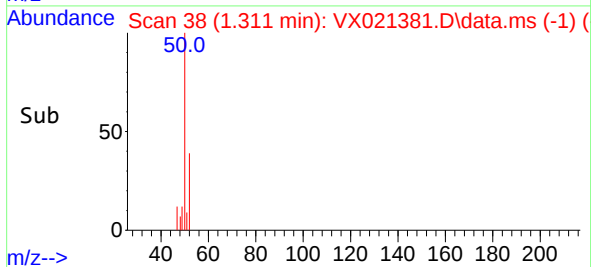
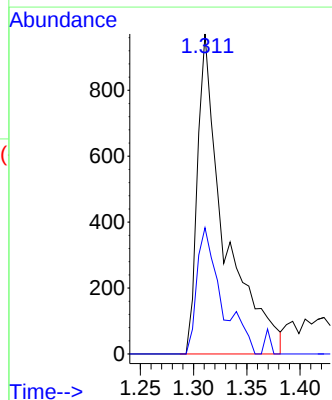
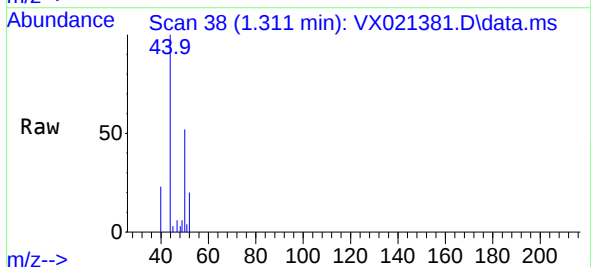
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

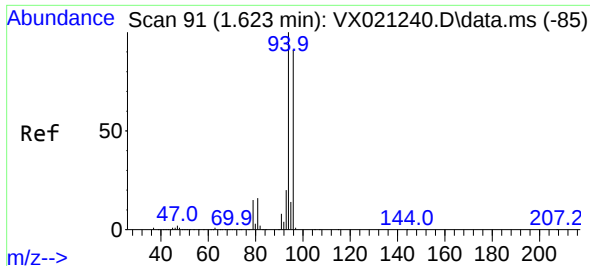
Tgt Ion:168 Resp: 81747
Ion Ratio Lower Upper
168 100
99 58.1 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

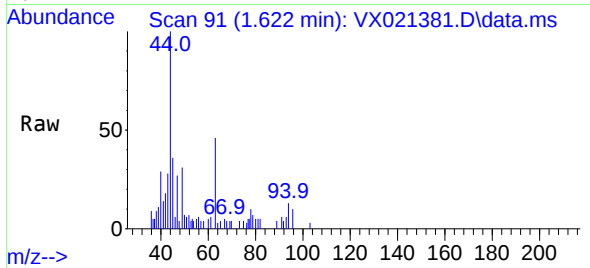
Tgt Ion: 50 Resp: 1713
Ion Ratio Lower Upper
50 100
52 39.4 26.4 39.6



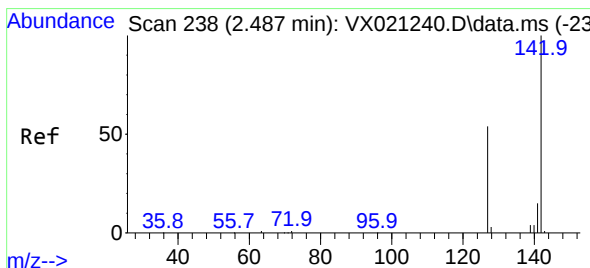
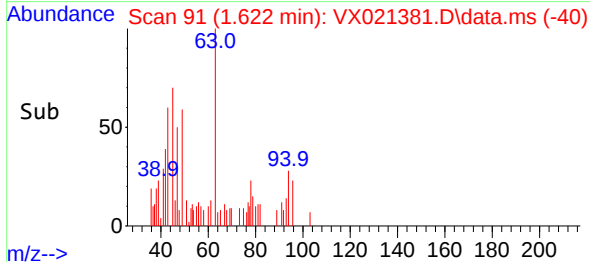
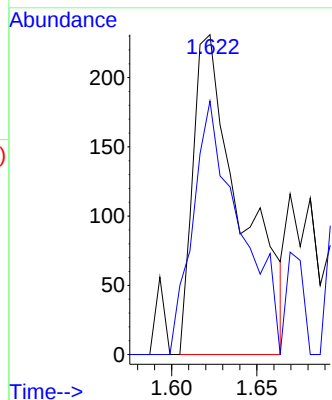


#5
Bromomethane
Concen: 1.04 ug/l
RT: 1.622 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

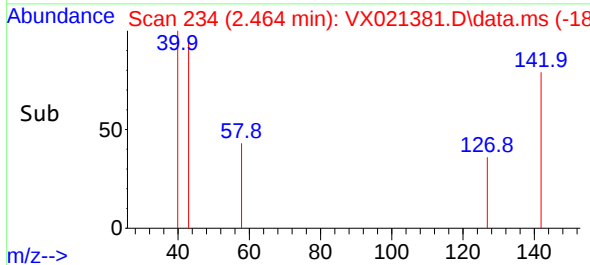
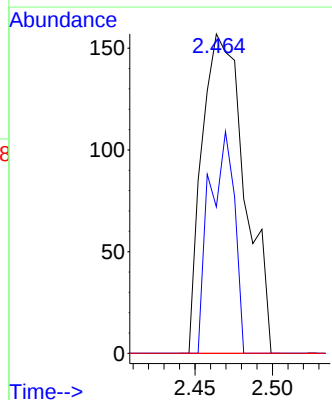
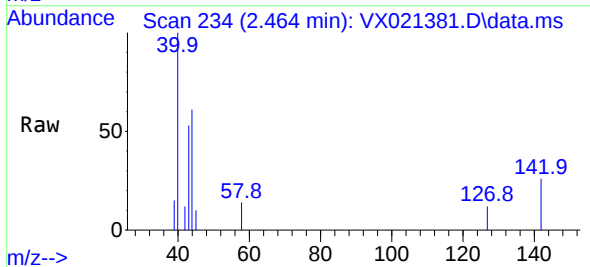


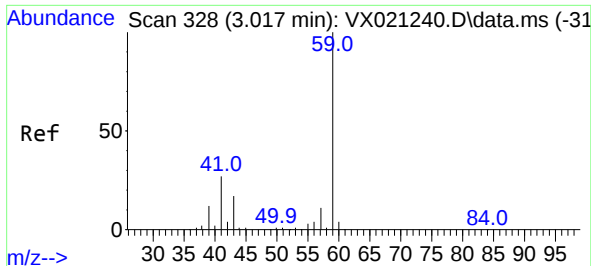
Tgt Ion: 94 Resp: 452
Ion Ratio Lower Upper
94 100
96 79.2 76.4 114.6



#10
Methyl Iodide
Concen: 0.40 ug/l
RT: 2.464 min Scan# 234
Delta R.T. -0.023 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 142 Resp: 301
Ion Ratio Lower Upper
142 100
127 40.5 33.3 49.9
141 0.0 11.4 17.0#



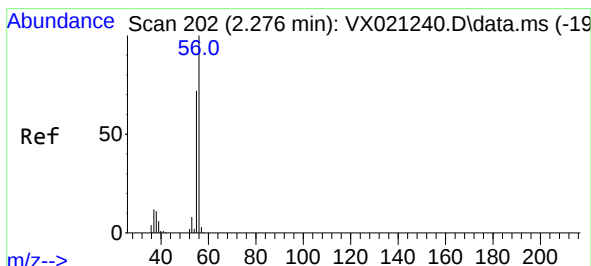
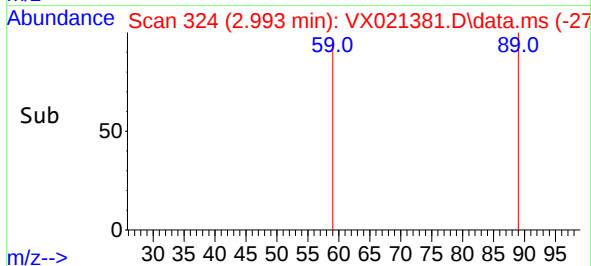
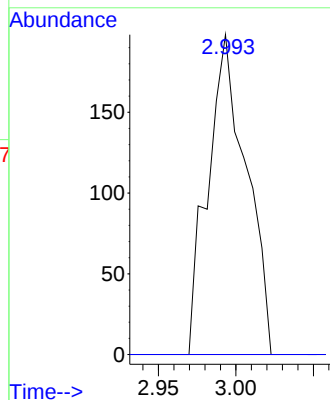
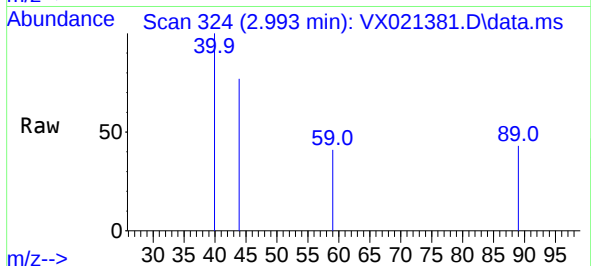


#11

Tert butyl alcohol
Concen: 1.51 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Instrument :
MSVOA_X
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TR-05-031821

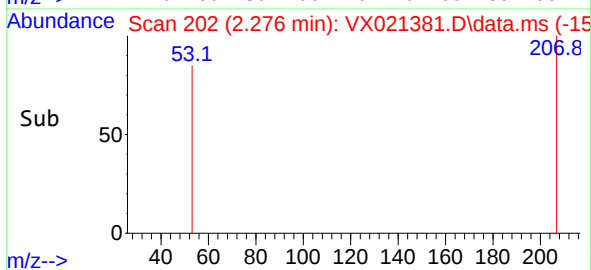
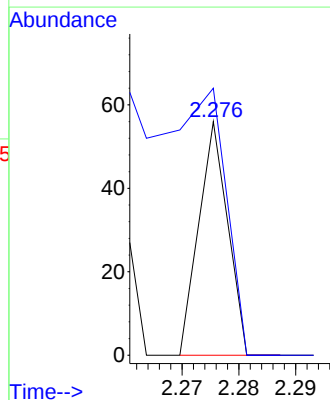
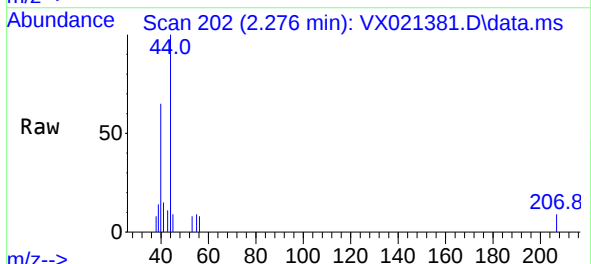
Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

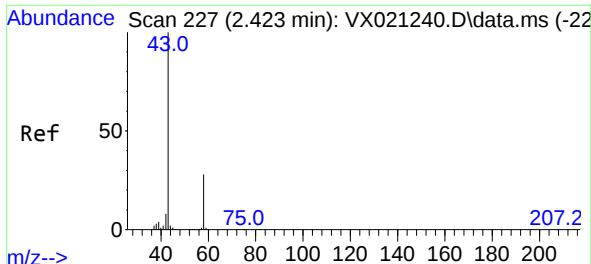


#13

Acrolein
Concen: 3.27 ug/l
RT: 2.276 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

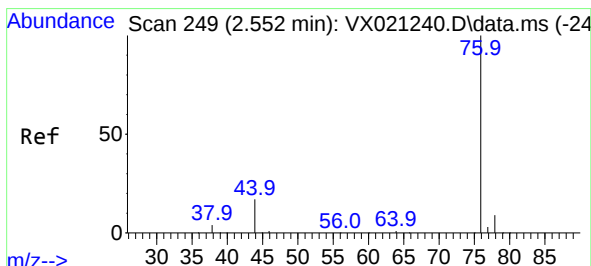
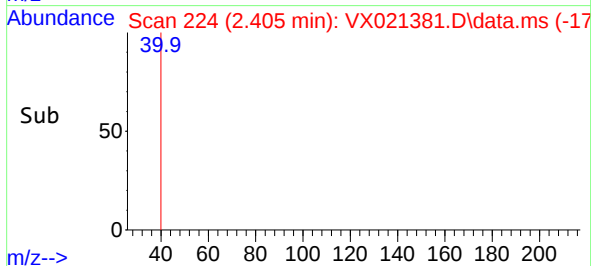
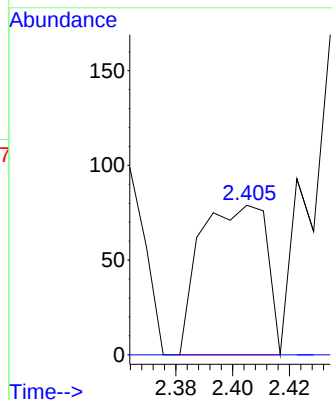
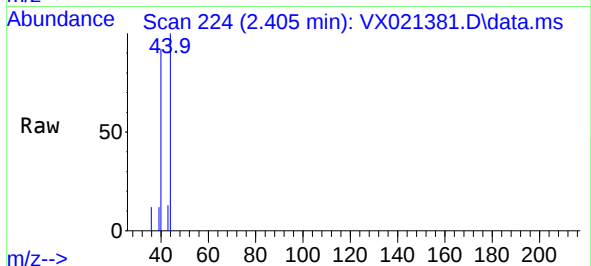




#16
Acetone
Concen: 0.26 ug/l
RT: 2.405 min Scan# 224
Delta R.T. -0.018 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

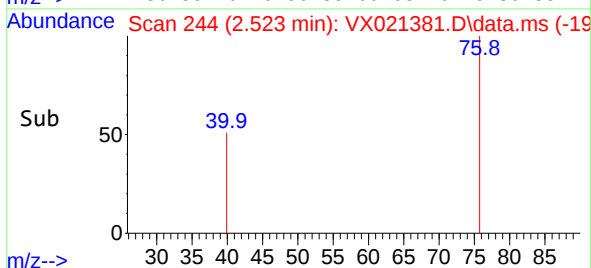
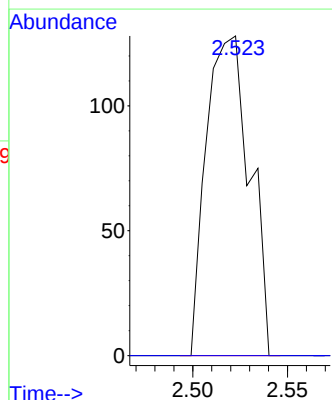
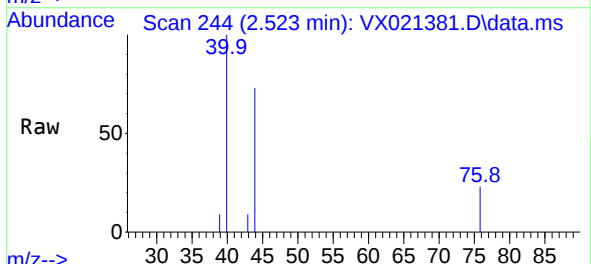
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

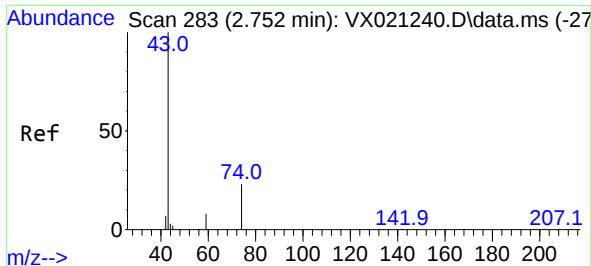
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.62 ug/l
RT: 2.523 min Scan# 244
Delta R.T. -0.029 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 76 Resp: 205
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

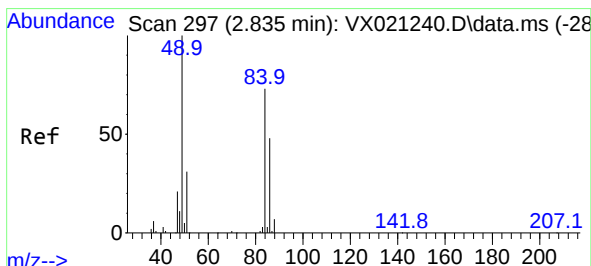
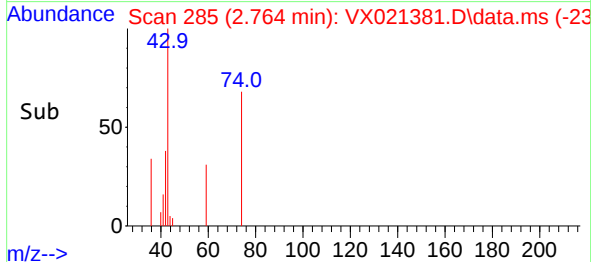
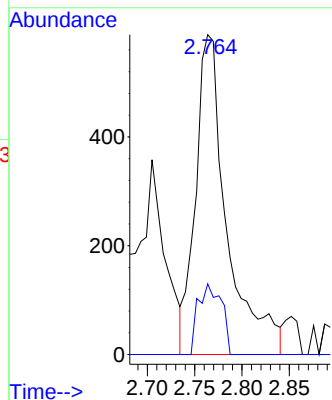
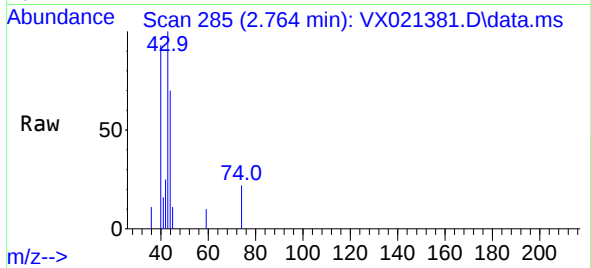




#18
Methyl Acetate
Concen: 1.00 ug/l
RT: 2.764 min Scan# 285
Delta R.T. 0.012 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

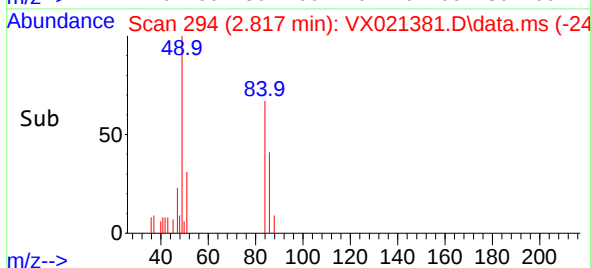
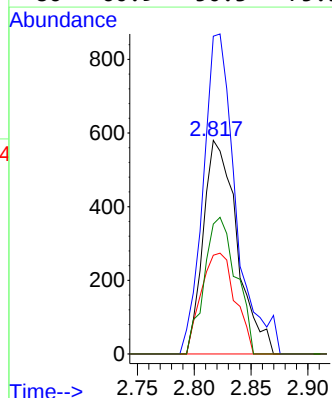
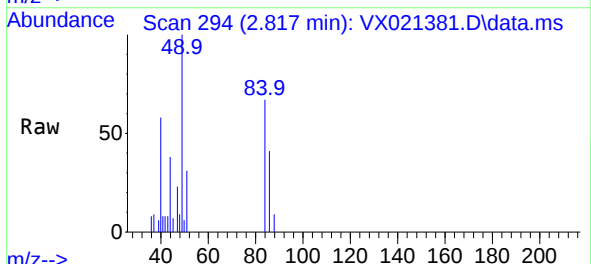
Instrument :
MSVOA_X
ClientSampleId :
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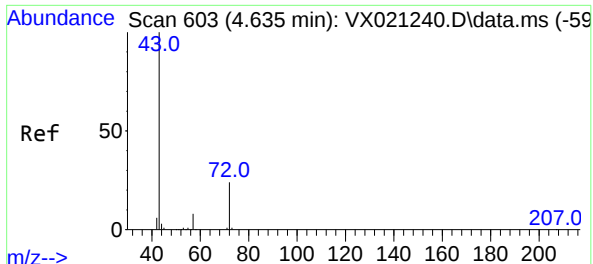
Tgt Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
74 16.4 21.9 32.9#



#20
Methylene Chloride
Concen: 1.18 ug/l
RT: 2.817 min Scan# 294
Delta R.T. -0.018 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 84 Resp: 1201
Ion Ratio Lower Upper
84 100
49 148.8 88.6 132.8#
51 46.2 27.0 40.6#
86 60.9 50.3 75.5

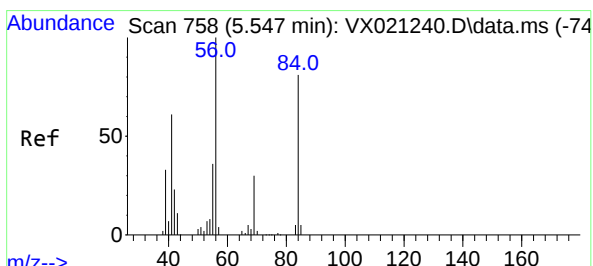
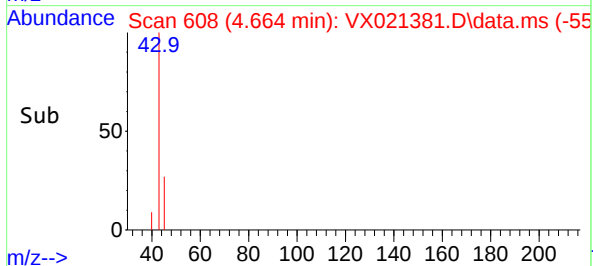
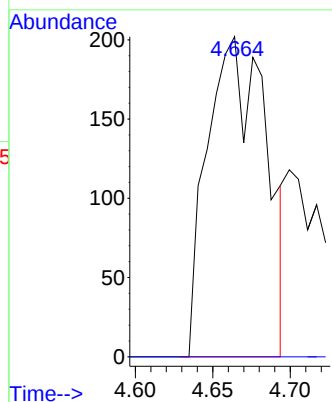
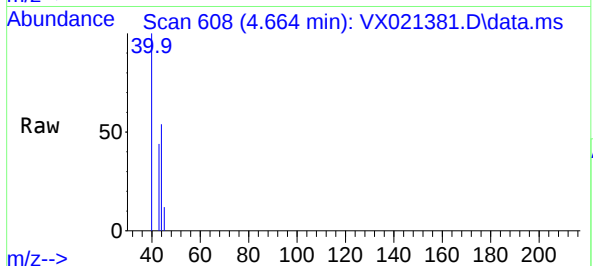




#25
2-Butanone
Concen: 0.70 ug/l
RT: 4.664 min Scan# 608
Delta R.T. 0.029 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

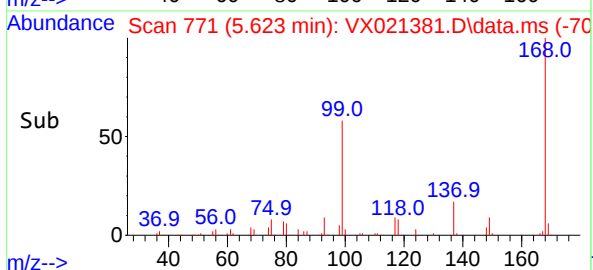
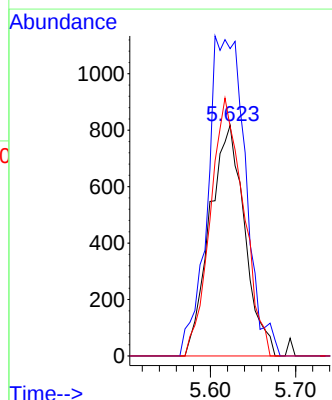
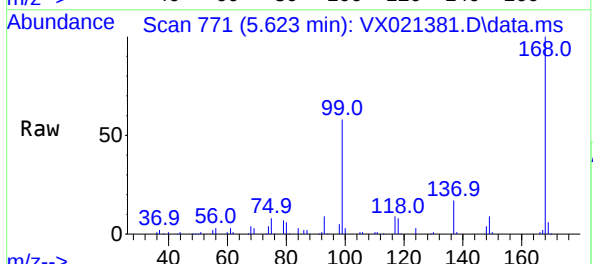
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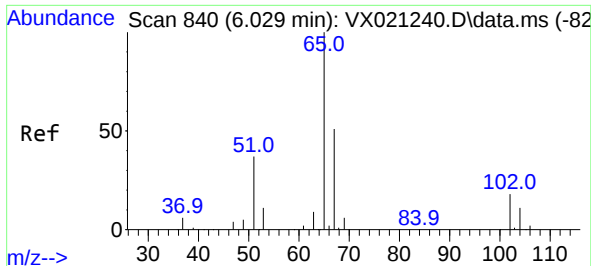
Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.44 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 56 Resp: 2328
Ion Ratio Lower Upper
56 100
69 133.3 25.3 37.9#
84 99.5 71.4 107.0

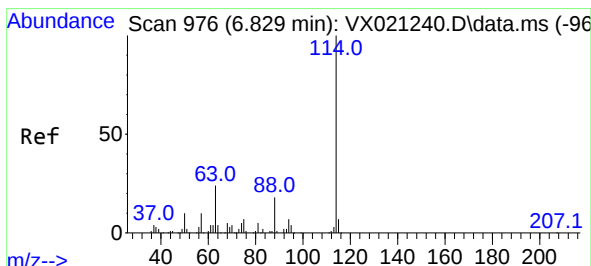
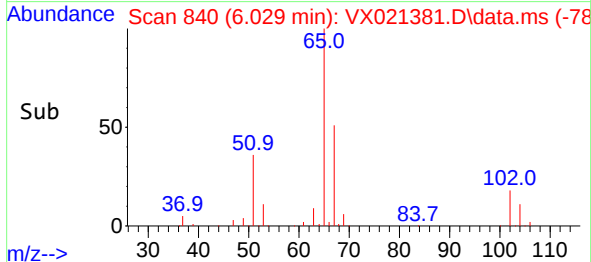
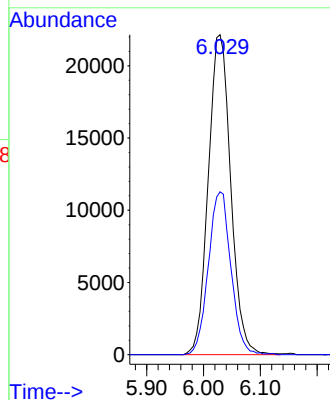
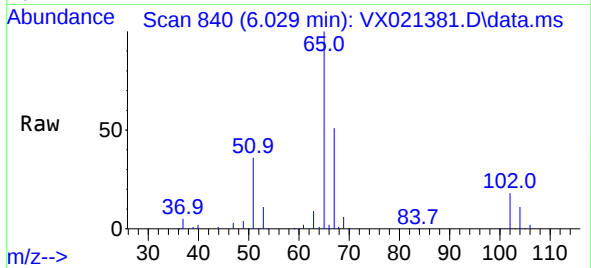




#33
1,2-Dichloroethane-d4
Concen: 45.30 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

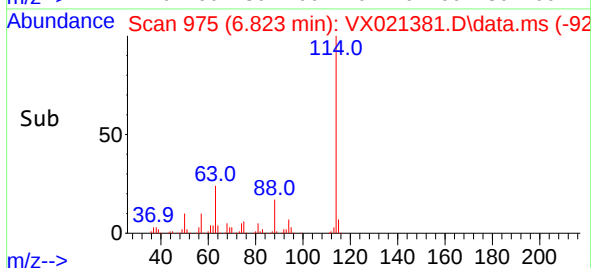
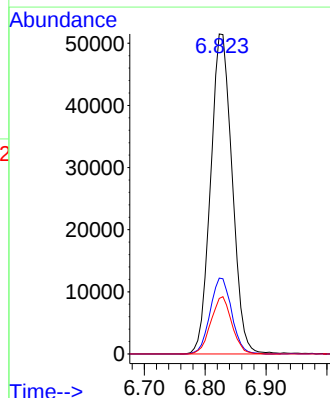
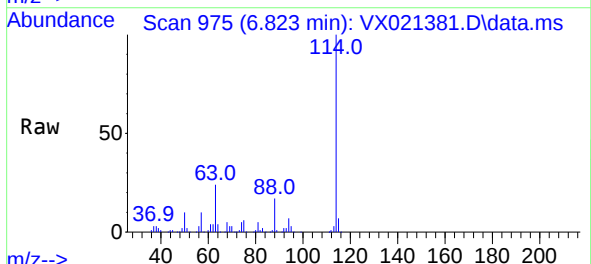
Instrument :
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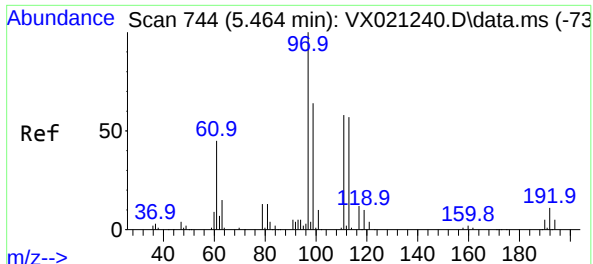
Tgt Ion: 65 Resp: 60739
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.823 min Scan# 975
Delta R.T. -0.006 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 114 Resp: 126548
Ion Ratio Lower Upper
114 100
63 23.7 0.0 40.8
88 17.4 0.0 32.8



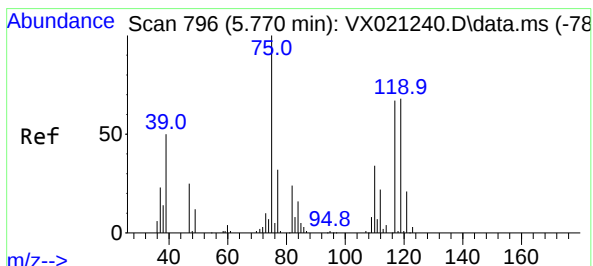
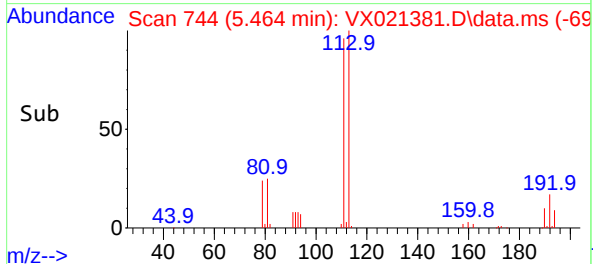
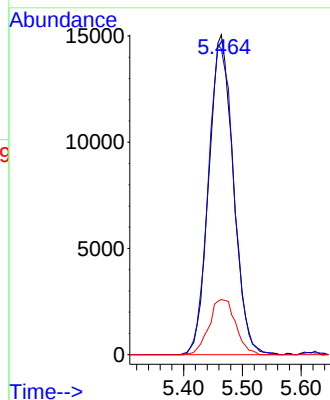
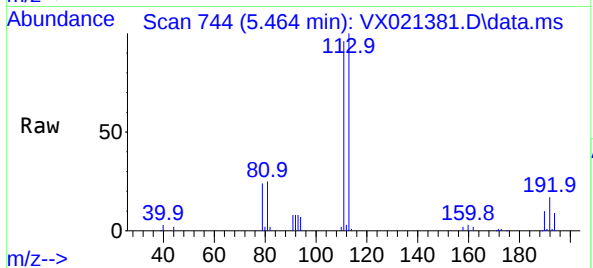


#35
Dibromofluoromethane
Concen: 50.66 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

Tgt Ion:113 Resp: 43624

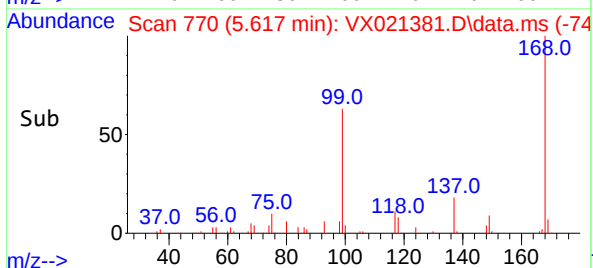
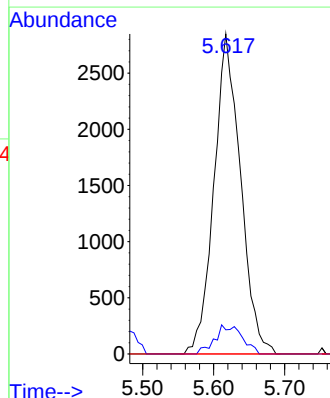
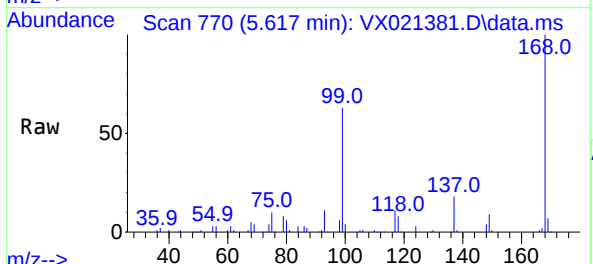
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.9	122.9
192	18.7	16.7	25.1

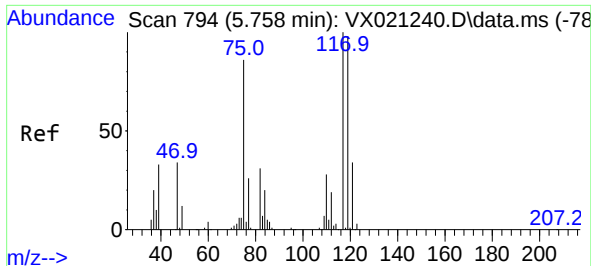


#36
1,1-Dichloropropene
Concen: 5.80 ug/l
RT: 5.617 min Scan# 770
Delta R.T. -0.153 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 75 Resp: 7399

Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.4#
77	0.0	25.3	37.9#

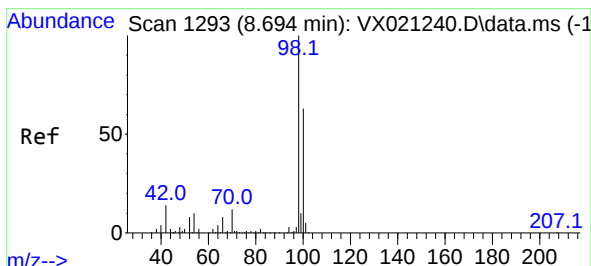
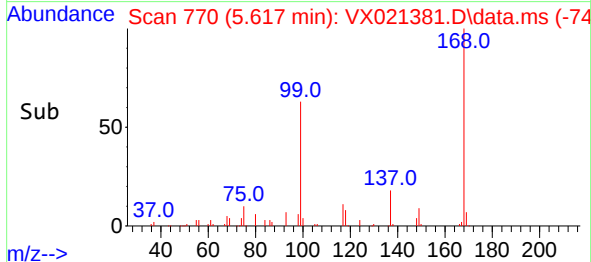
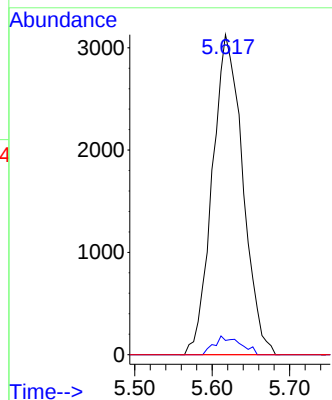
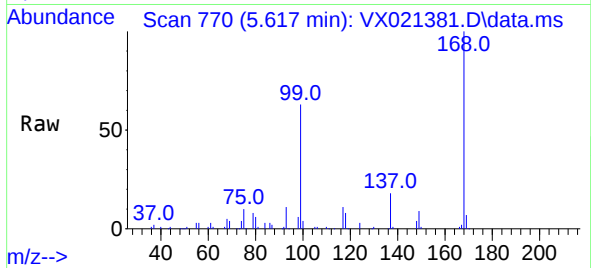




#38
Carbon Tetrachloride
Concen: 6.46 ug/l
RT: 5.617 min Scan# 770
Delta R.T. -0.141 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

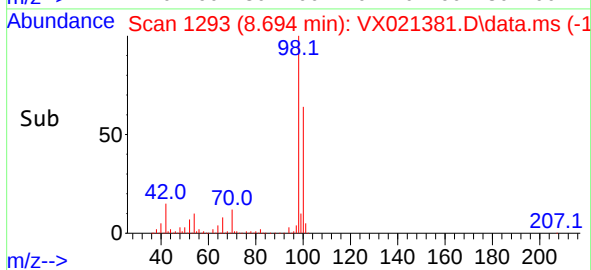
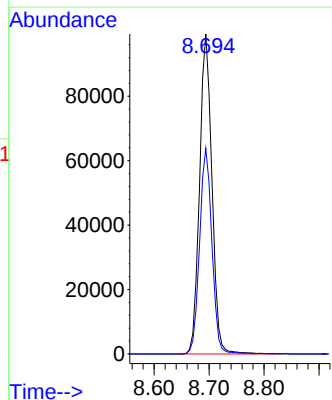
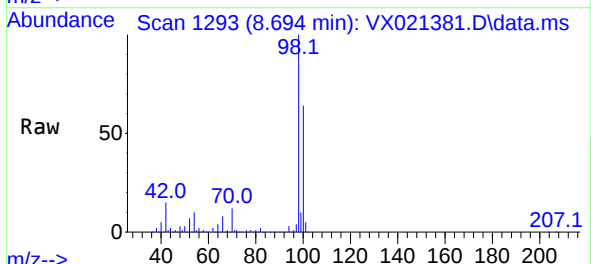
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

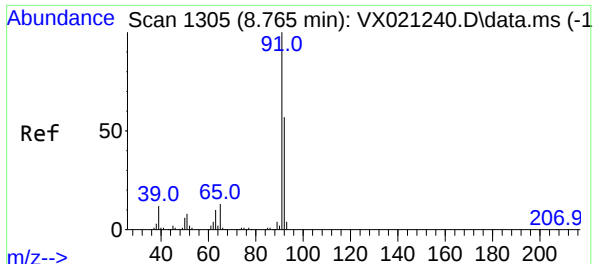
Tgt Ion:117 Resp: 8556
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.77 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 98 Resp: 155499
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

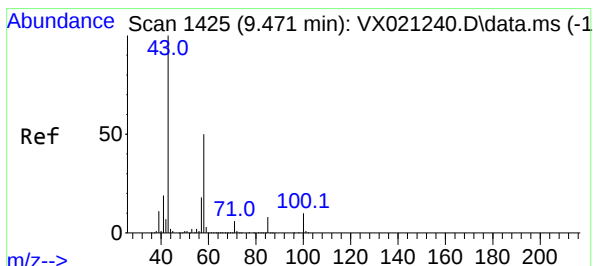
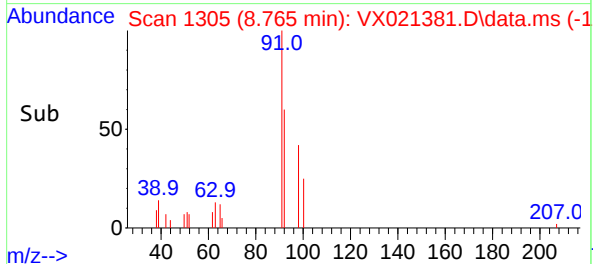
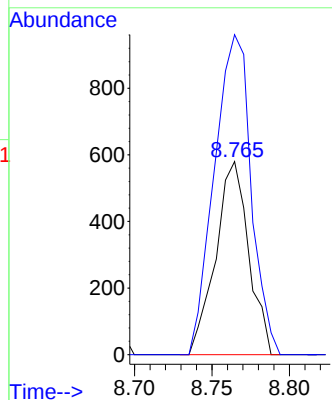
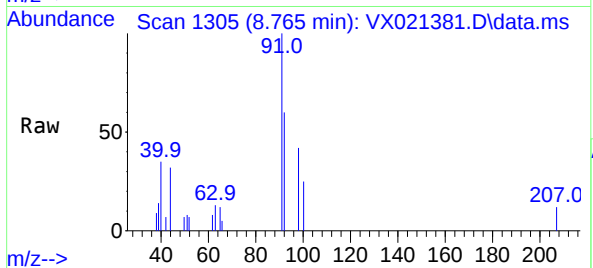




#52
Toluene
Concen: 0.40 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

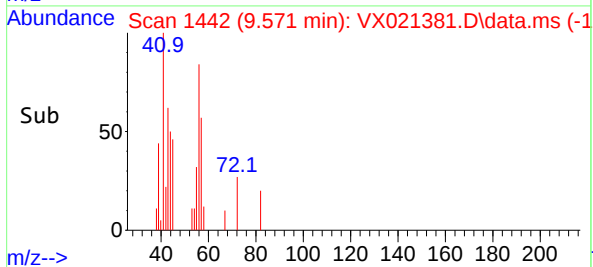
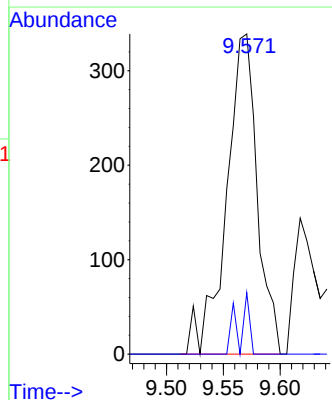
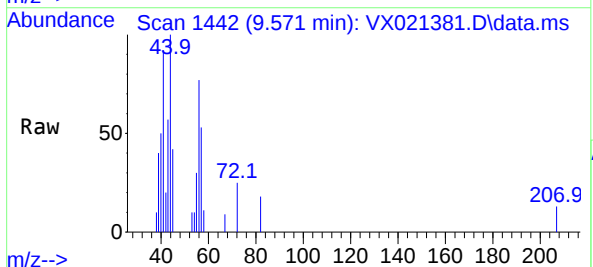
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

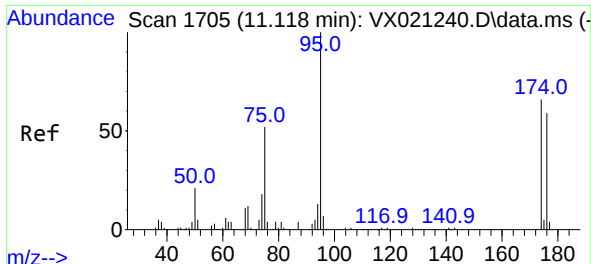
Tgt Ion: 92 Resp: 859
Ion Ratio Lower Upper
92 100
91 184.5 137.1 205.7



#59
2-Hexanone
Concen: 0.61 ug/l
RT: 9.571 min Scan# 1442
Delta R.T. 0.100 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
58 3.0 30.9 92.8#

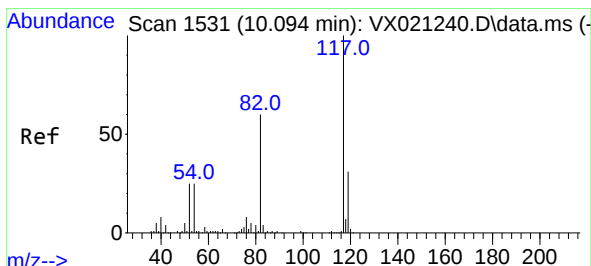
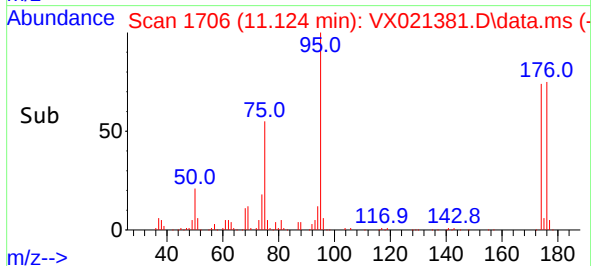
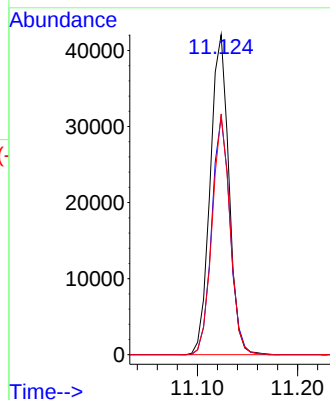
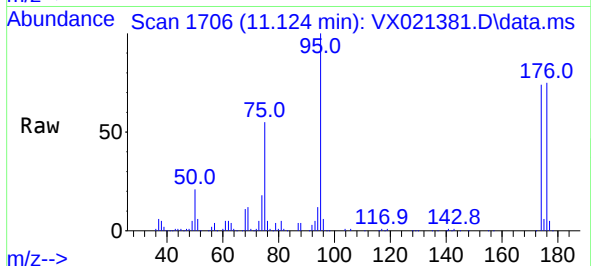




#62
4-Bromofluorobenzene
Concen: 44.79 ug/l
RT: 11.124 min Scan# 1706
Delta R.T. 0.006 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

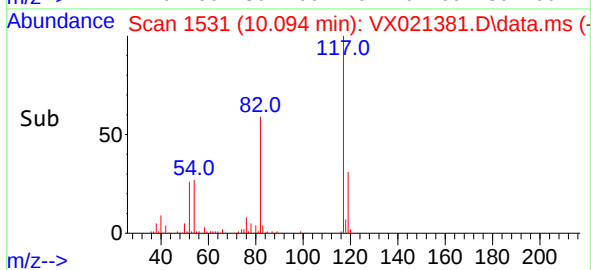
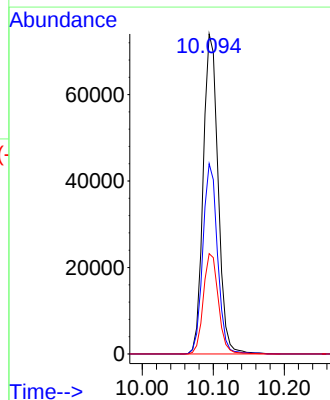
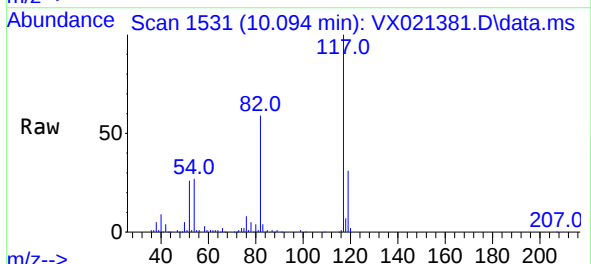
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

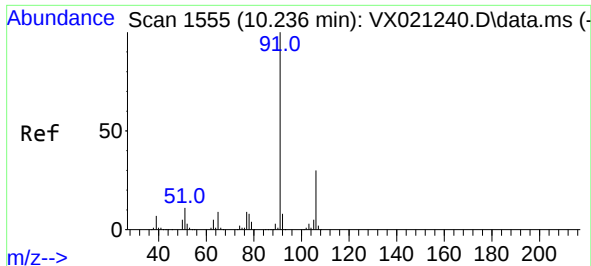
Tgt Ion: 95 Resp: 54344
Ion Ratio Lower Upper
95 100
174 72.9 0.0 154.6
176 71.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 117 Resp: 107872
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 31.3 26.6 39.8

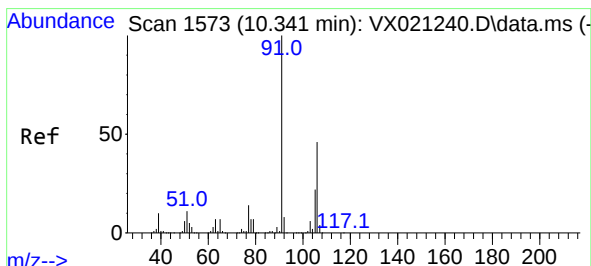
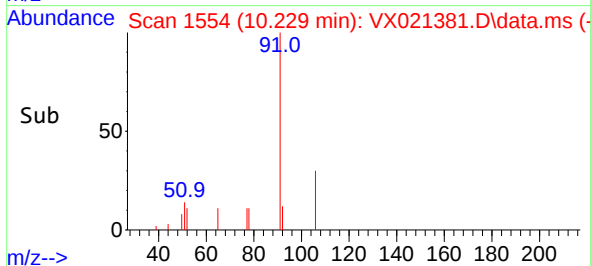
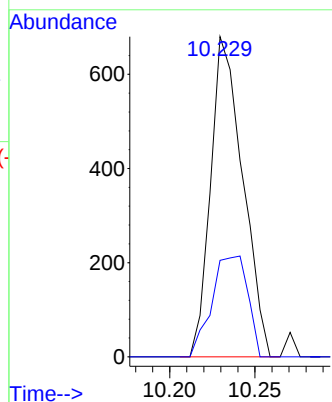
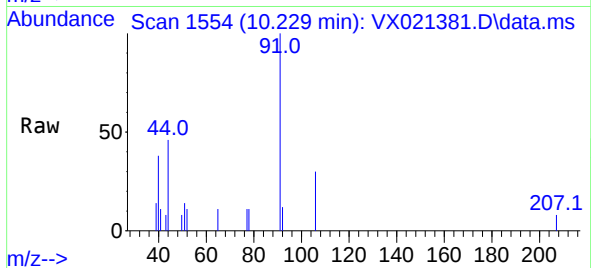




#67
Ethyl Benzene
Concen: 0.22 ug/l
RT: 10.229 min Scan# 1554
Delta R.T. -0.007 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

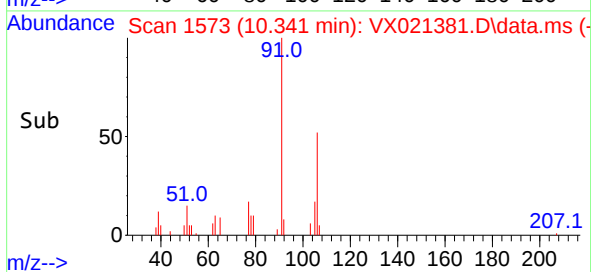
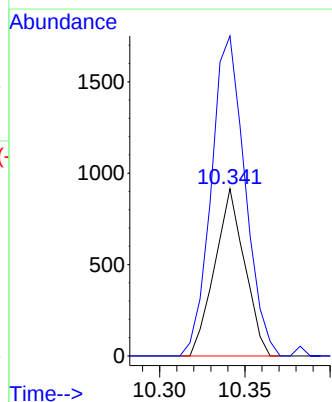
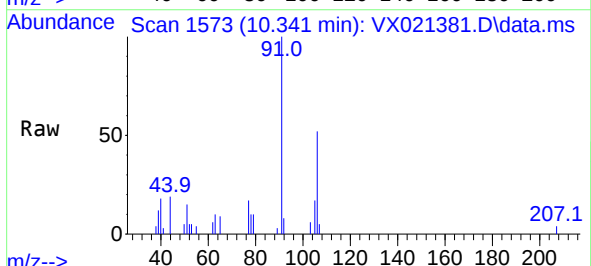
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

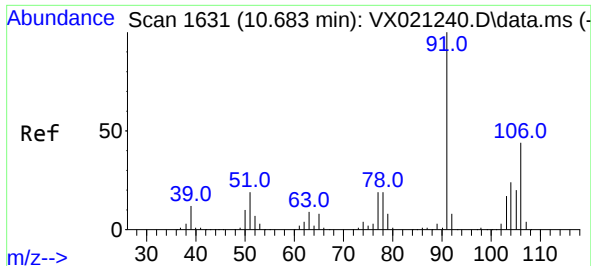
Tgt Ion: 91 Resp: 890
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0



#68
m/p-Xylenes
Concen: 0.76 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 106 Resp: 1118
Ion Ratio Lower Upper
106 100
91 215.5 162.8 244.2

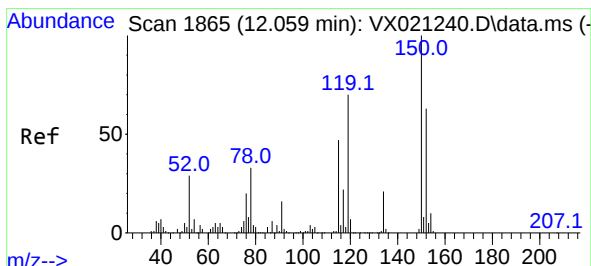
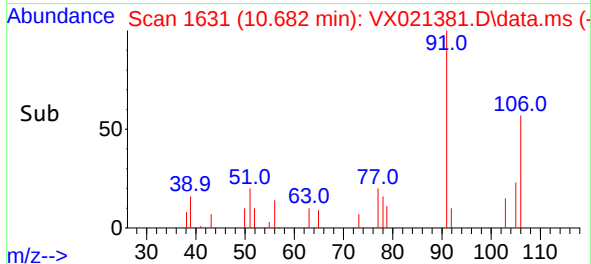
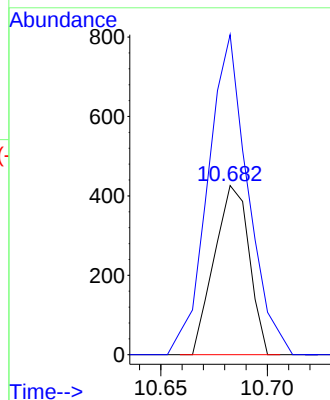
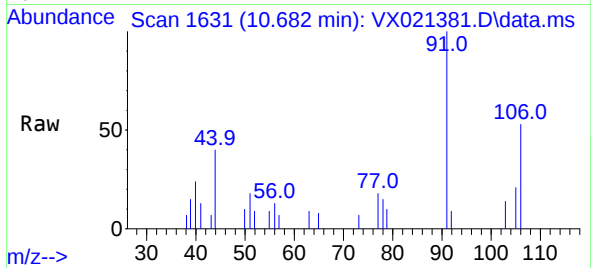




#69
o-Xylene
Concen: 0.34 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

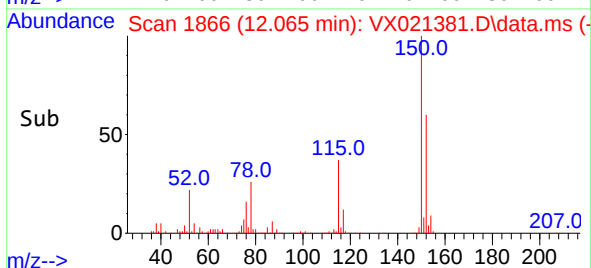
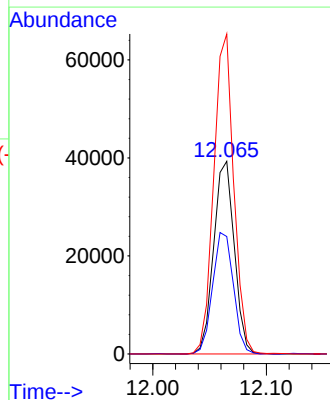
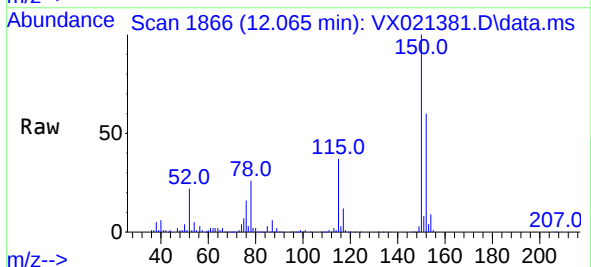
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

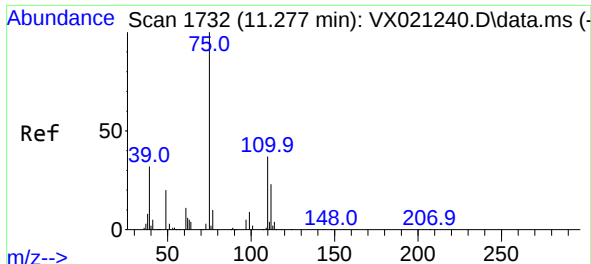
Tgt Ion:106 Resp: 485
Ion Ratio Lower Upper
106 100
91 217.1 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion:152 Resp: 49685
Ion Ratio Lower Upper
152 100
115 63.5 41.1 123.3
150 161.2 0.0 349.0

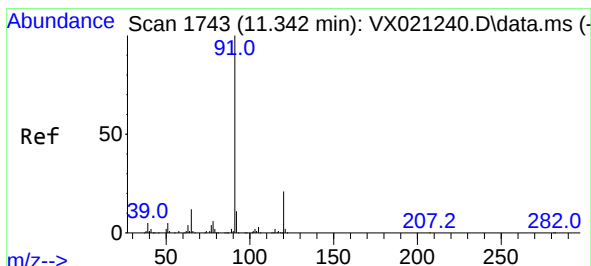
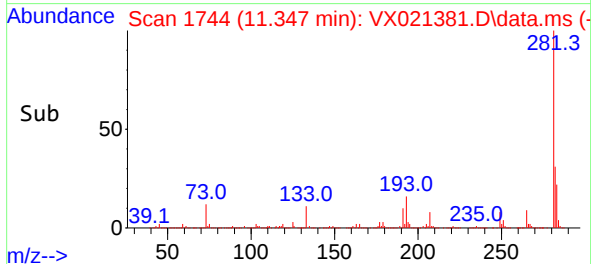
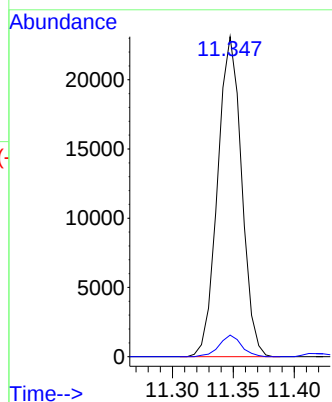
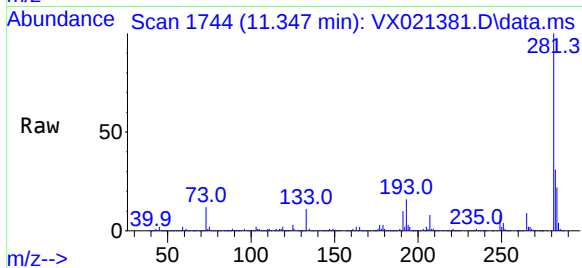




#76
1,2,3-Trichloropropane
Concen: 27.52 ug/l
RT: 11.347 min Scan# 1744
Delta R.T. 0.070 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

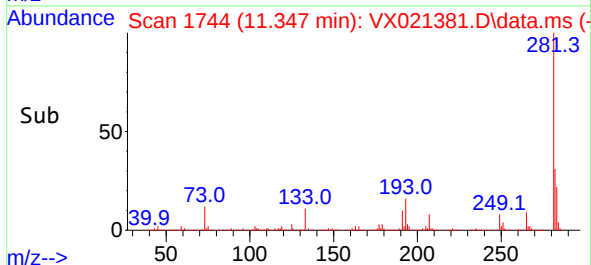
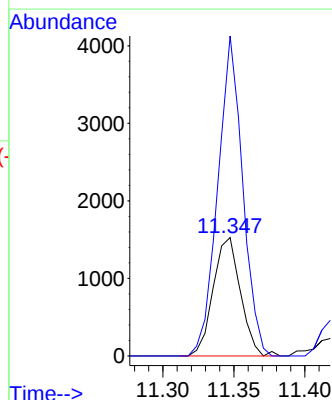
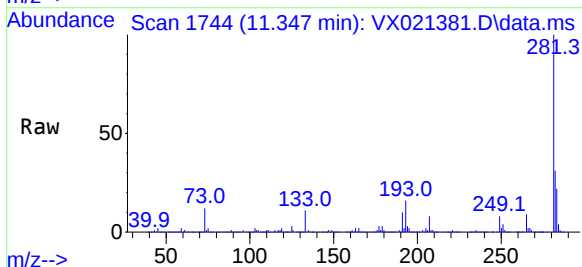
Instrument :
MSVOA_X
ClientSampled :
TR-05-031821

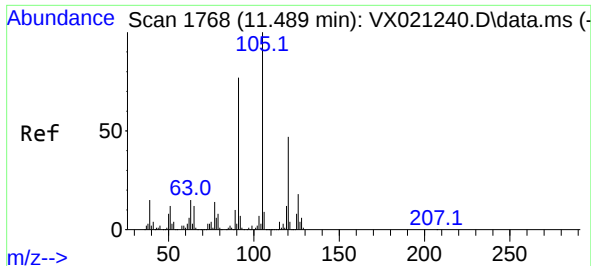
Tgt Ion: 75 Resp: 31722
Ion Ratio Lower Upper
75 100
77 6.3 19.1 57.5#



#78
n-propylbenzene
Concen: 0.47 ug/l
RT: 11.347 min Scan# 1744
Delta R.T. 0.005 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 91 Resp: 2040
Ion Ratio Lower Upper
91 100
120 246.7 11.5 34.5#

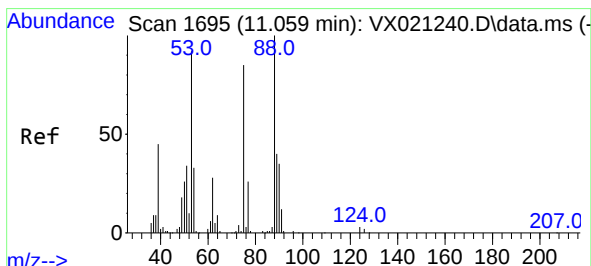
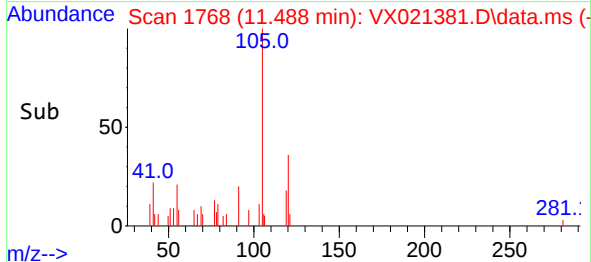
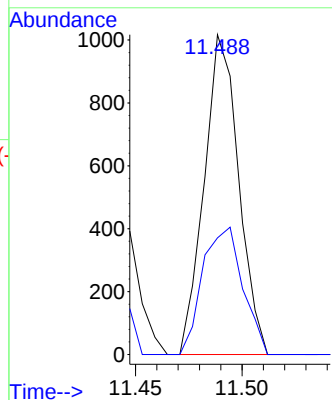
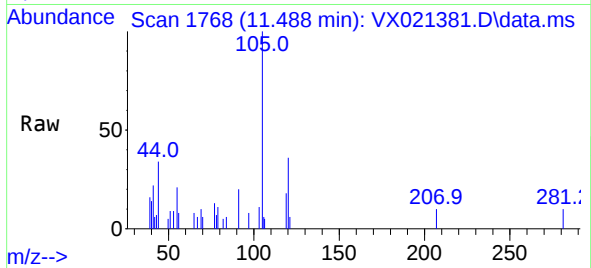




#80
1,3,5-Trimethylbenzene
Concen: 0.37 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. -0.001 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

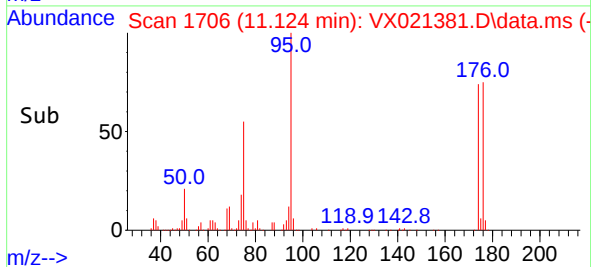
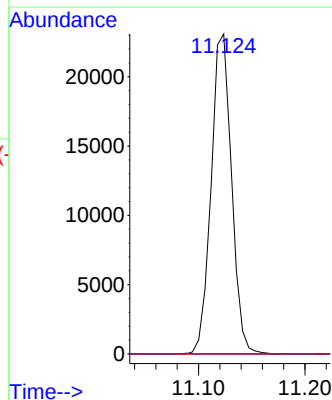
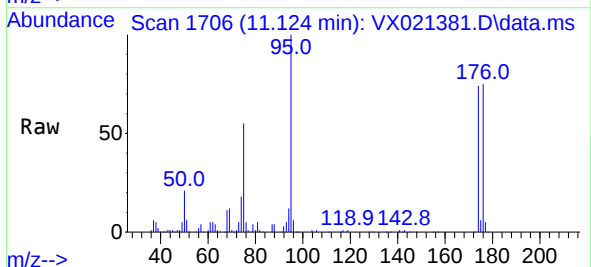
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

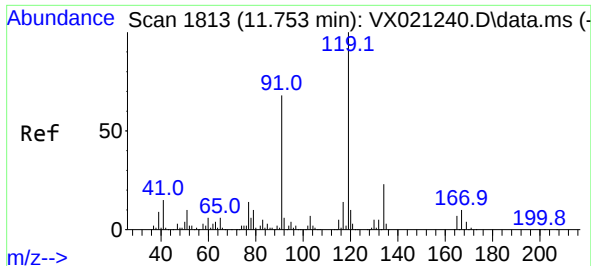
Tgt Ion:105 Resp: 1145
Ion Ratio Lower Upper
105 100
120 46.4 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 72.30 ug/l
RT: 11.124 min Scan# 1706
Delta R.T. 0.065 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 75 Resp: 30694
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



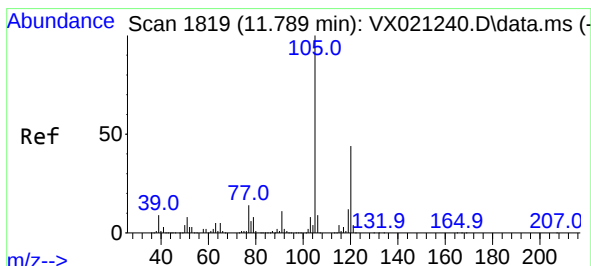
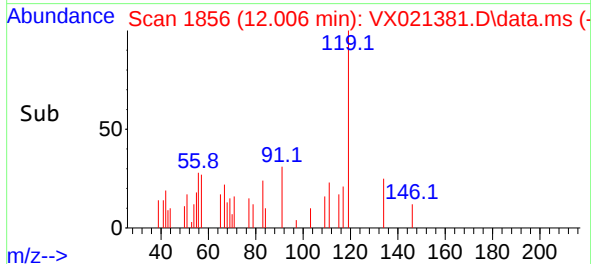
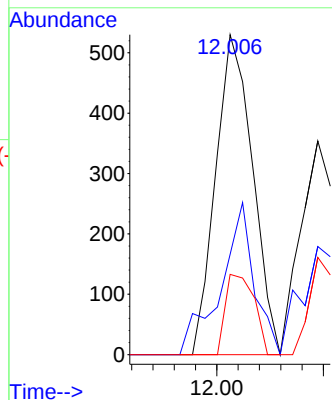
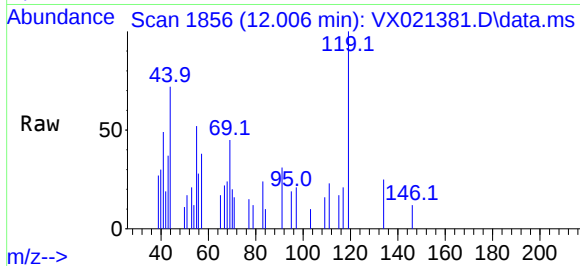


#83
tert-Butylbenzene
Concen: 0.21 ug/l
RT: 12.006 min Scan# 1856
Delta R.T. 0.253 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

Tgt Ion:119 Resp: 639

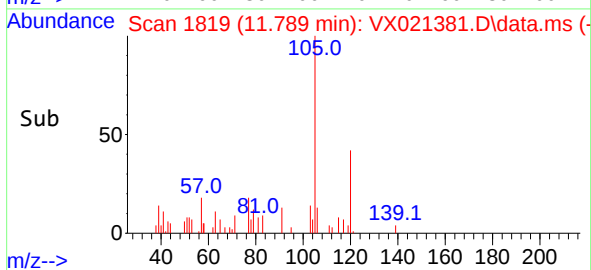
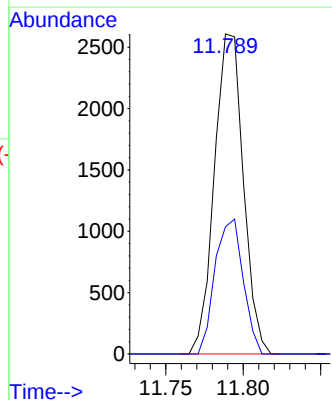
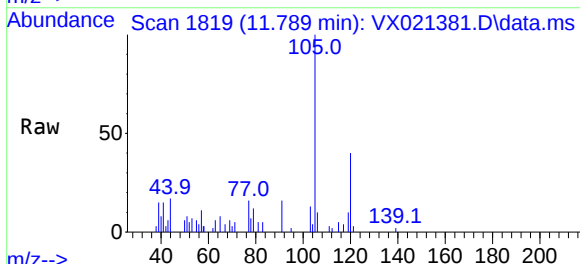
Ion	Ratio	Lower	Upper
119	100		
91	43.2	27.9	83.7
134	19.6	11.3	33.9

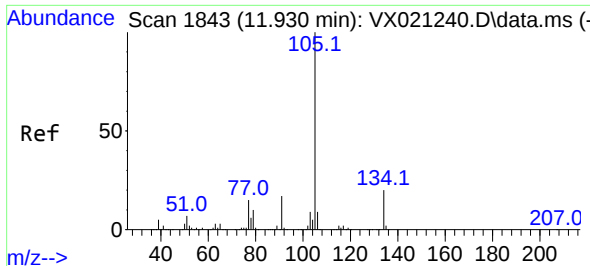


#84
1,2,4-Trimethylbenzene
Concen: 1.07 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion:105 Resp: 3397

Ion	Ratio	Lower	Upper
105	100		
120	40.7	22.4	67.3

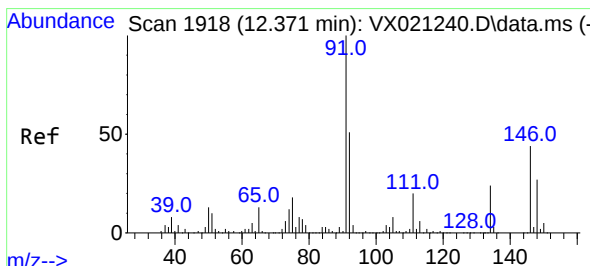
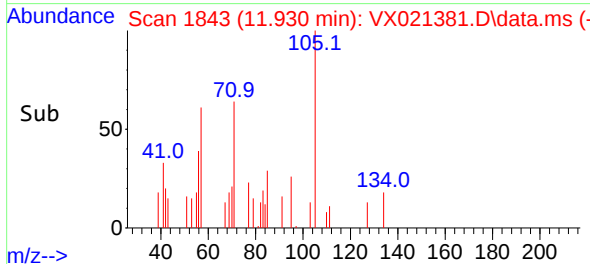
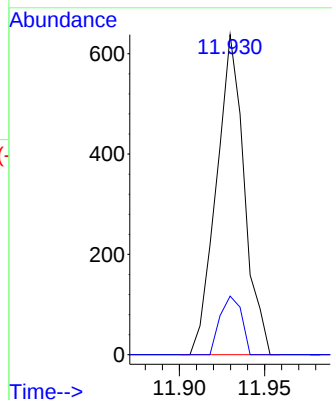
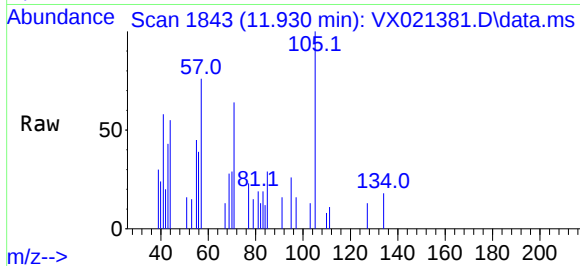




#85
sec-Butylbenzene
Concen: 0.21 ug/l
RT: 11.930 min Scan# 1843
Delta R.T. -0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

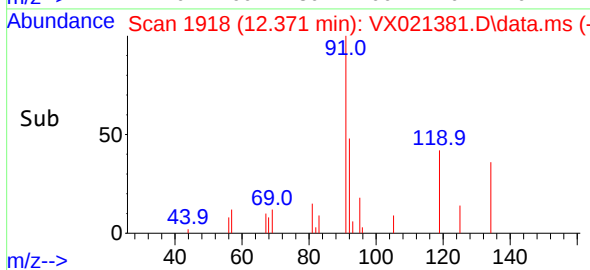
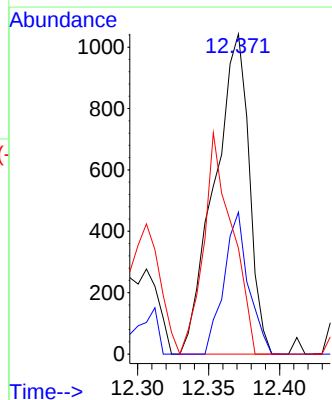
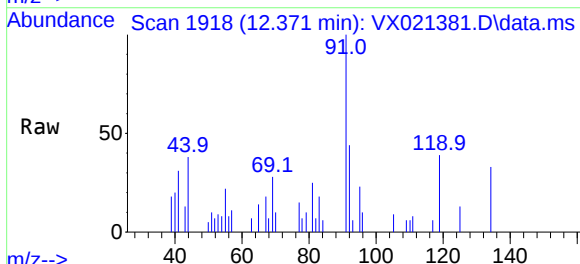
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

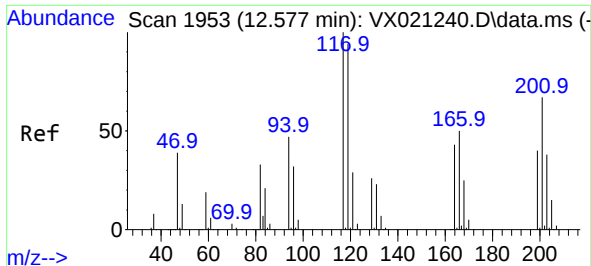
Tgt Ion:105 Resp: 727
Ion Ratio Lower Upper
105 100
134 14.0 10.0 29.8



#89
n-Butylbenzene
Concen: 0.60 ug/l
RT: 12.371 min Scan# 1918
Delta R.T. -0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 91 Resp: 1767
Ion Ratio Lower Upper
91 100
92 31.6 27.4 82.0
134 56.9 13.2 39.5#

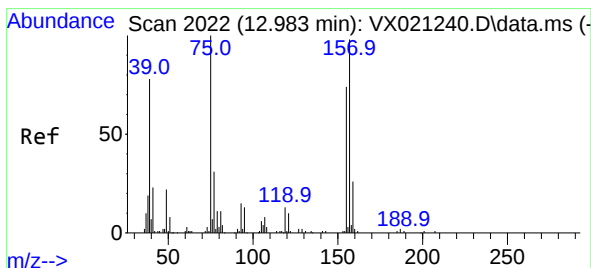
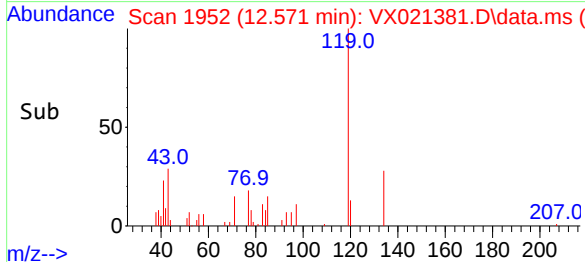
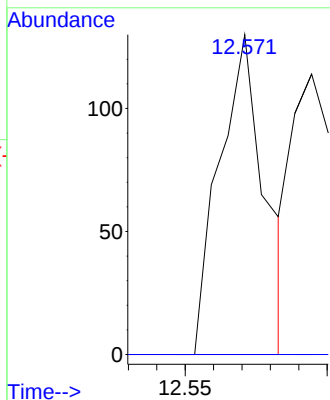
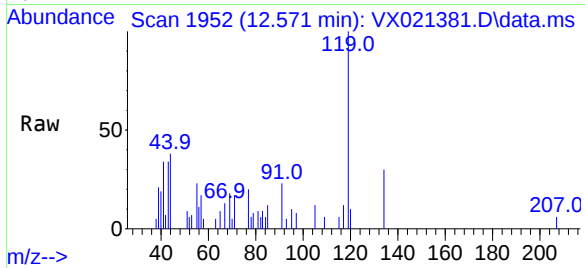




#90
Hexachloroethane
Concen: 0.29 ug/l
RT: 12.571 min Scan# 1952
Delta R.T. -0.006 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

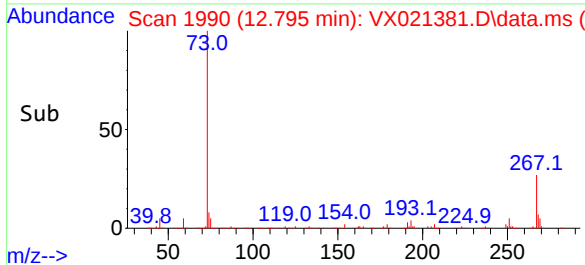
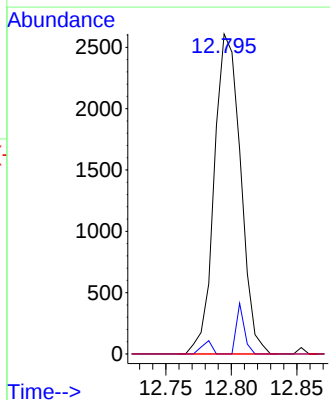
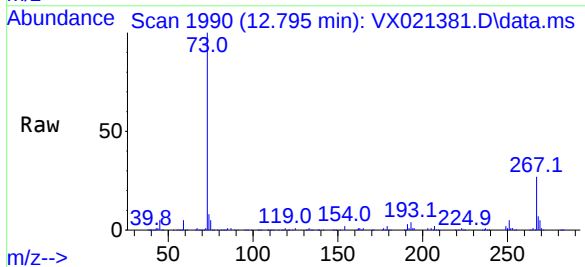
Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

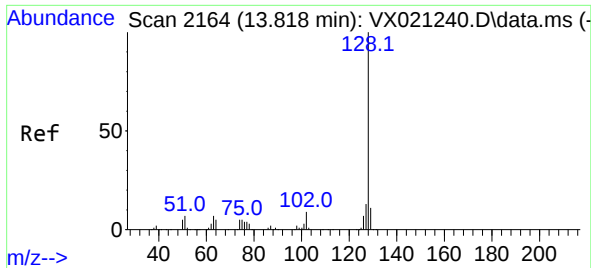
Tgt Ion:117 Resp: 144
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 11.58 ug/l
RT: 12.795 min Scan# 1990
Delta R.T. -0.188 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Tgt Ion: 75 Resp: 3640
Ion Ratio Lower Upper
75 100
155 4.8 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 0.62 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021381.D
Acq: 23 Mar 2021 13:41

Instrument :
MSVOA_X
ClientSampleId :
TR-05-031821

Tgt Ion:	128	Resp:	2191
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.3	15.5
129	15.6	8.8	13.2#

