

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040121\
 Data File : VX021722.D
 Acq On : 01 Apr 2021 20:34
 Operator : JC/MD
 Sample : M1864-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MMR-SP

Quant Time: Apr 02 03:33:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

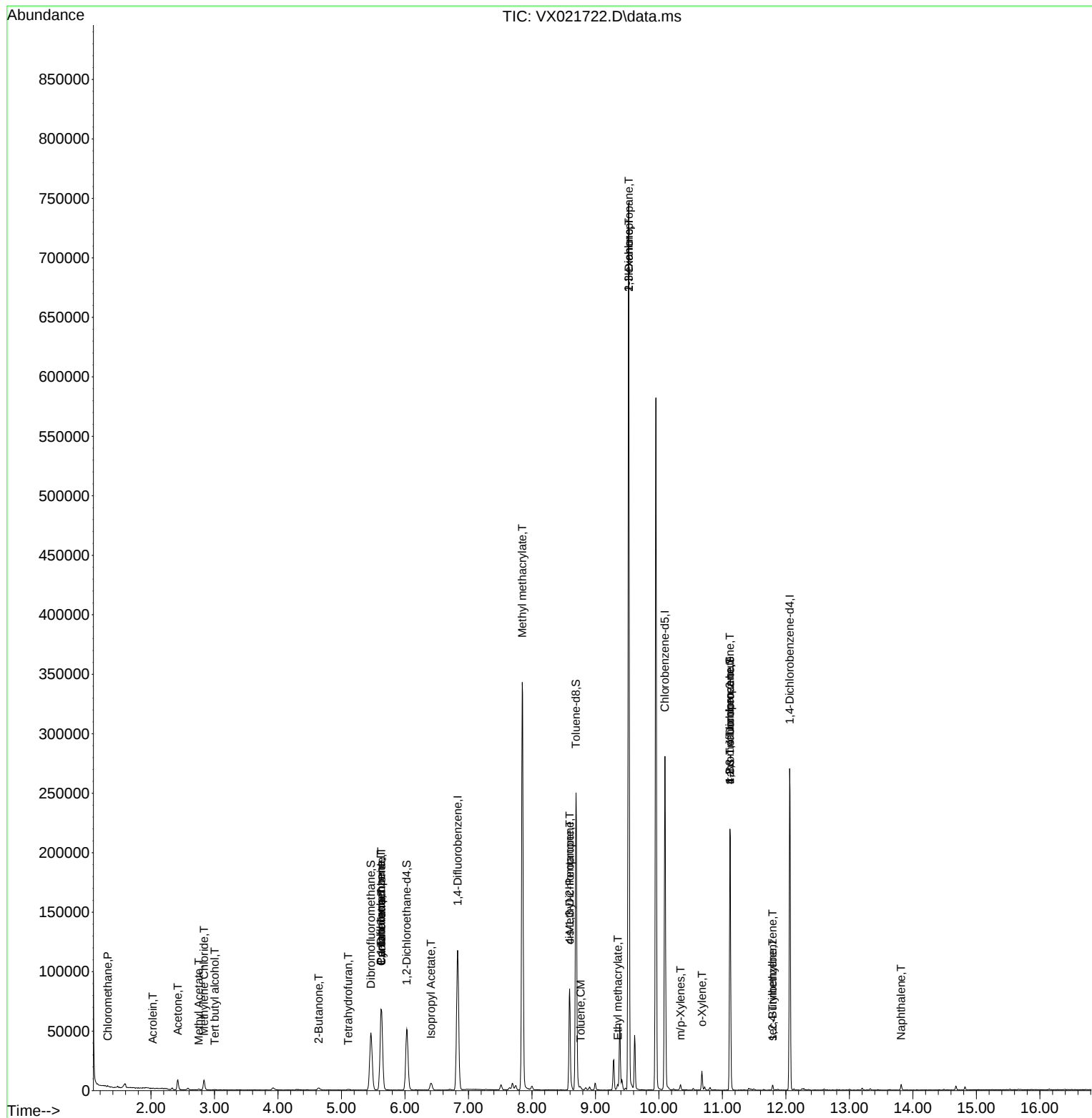
Internal Standards						
1) Pentafluorobenzene	5.623	168	60960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	110993	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	117808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	51425	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50698	49.98	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.96%		
35) Dibromofluoromethane	5.464	113	38718	49.11	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.22%		
50) Toluene-d8	8.694	98	143755	51.17	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.34%		
62) 4-Bromofluorobenzene	11.118	95	57179	52.35	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.70%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	1007	1.35	ug/l	90
11) Tert butyl alcohol	3.005	59	341	2.03	ug/l #	73
13) Acrolein	2.028	56	39	4.75	ug/l #	1
16) Acetone	2.423	43	9080	23.68	ug/l #	86
18) Methyl Acetate	2.752	43	1004	0.91	ug/l #	75
20) Methylene Chloride	2.834	84	3366	4.50	ug/l #	83
25) 2-Butanone	4.641	43	3143	5.41	ug/l #	84
29) Tetrahydrofuran	5.105	42	423	1.12	ug/l #	52
31) Cyclohexane	5.629	56	1659	1.49	ug/l #	23
36) 1,1-Dichloropropene	5.623	75	5444	5.01	ug/l #	48
38) Carbon Tetrachloride	5.629	117	6449	5.52	ug/l #	16
43) Isopropyl Acetate	6.411	43	7698	3.77	ug/l #	90
48) Methyl methacrylate	7.847	41	32459	29.80	ug/l #	38
51) 4-Methyl-2-Pentanone	8.594	43	31364	24.97	ug/l #	44
52) Toluene	8.765	92	519	0.27	ug/l	91
54) cis-1,3-Dichloropropene	8.594	75	12185	9.14	ug/l #	76
56) Ethyl methacrylate	9.353	69	84	2.14	ug/l #	29
57) 1,3-Dichloropropane	9.524	76	5934	4.31	ug/l #	42
59) 2-Hexanone	9.524	43	91469	96.99	ug/l #	42
68) m/p-Xylenes	10.341	106	913	0.59	ug/l	92
69) o-Xylene	10.677	106	426	0.29	ug/l	98
76) 1,2,3-Trichloropropane	11.118	75	32068	26.79	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	32068	81.59	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.789	105	1407	0.45	ug/l	96
85) sec-Butylbenzene	11.789	105	1407	0.41	ug/l #	57
95) Naphthalene	13.812	128	2930	0.87	ug/l	99

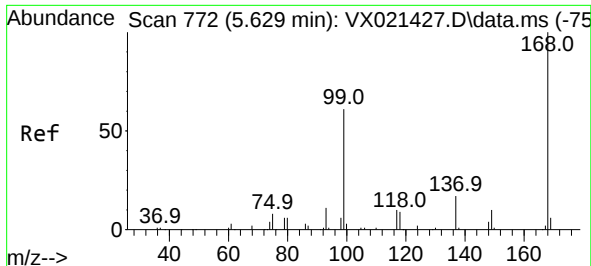
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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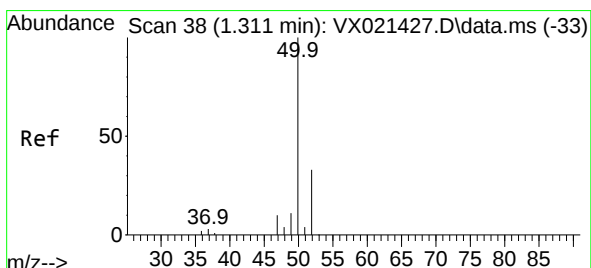
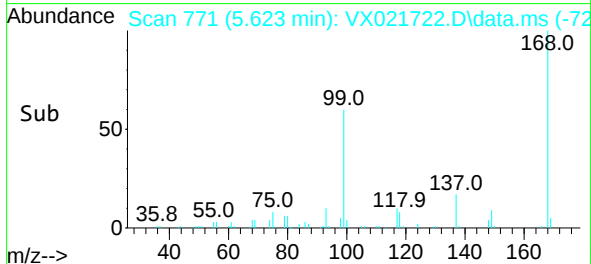
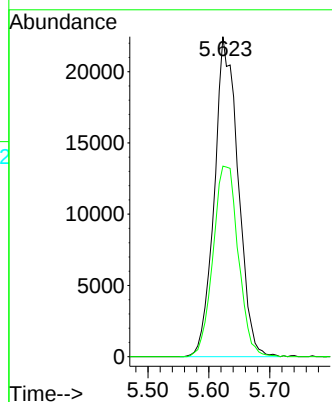
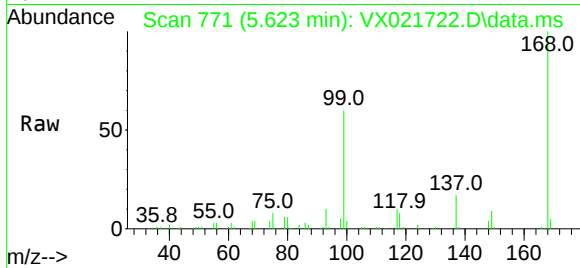




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

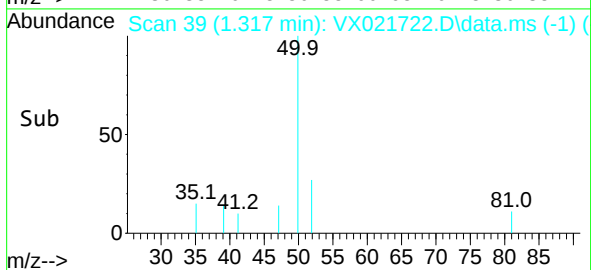
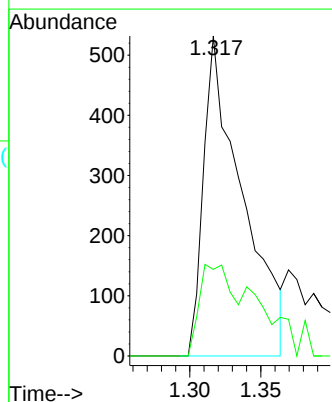
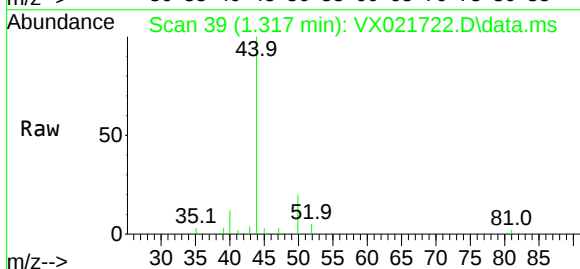
Instrument :
MSVOA_X
ClientSampleId :
MMR-SP

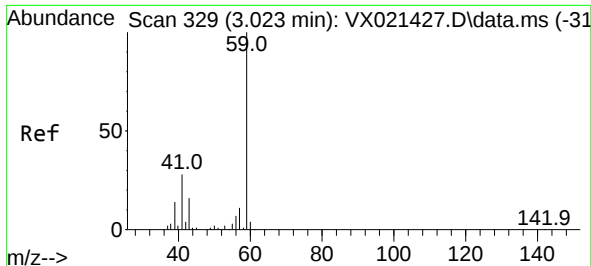
Tgt Ion:168 Resp: 60960
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.6



#3
Chloromethane
Concen: 1.35 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Tgt Ion: 50 Resp: 1007
Ion Ratio Lower Upper
50 100
52 27.1 26.4 39.6



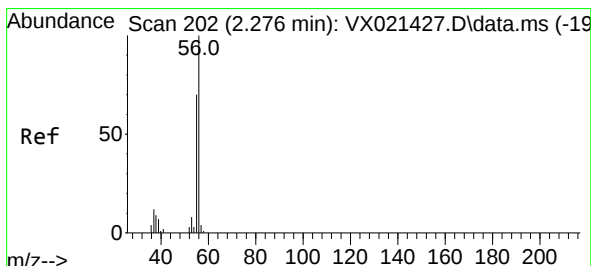
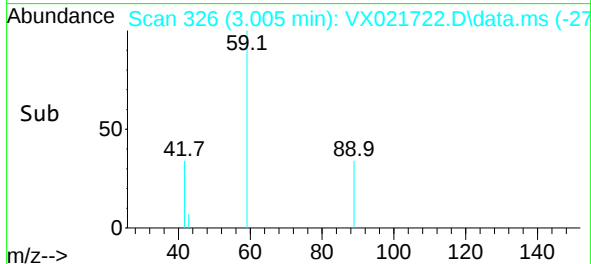
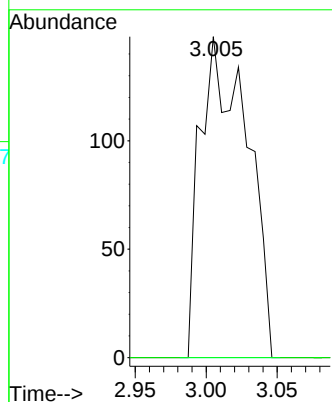
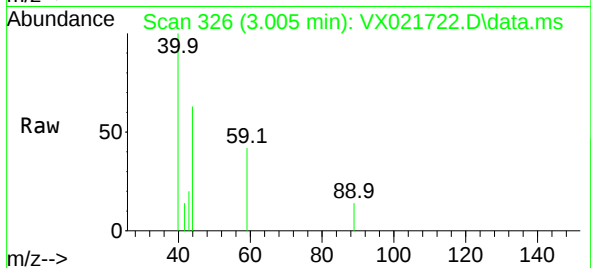


#11

Tert butyl alcohol
Concen: 2.03 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.018 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Instrument :
MSVOA_X
ClientSampleId :
MMR-SP

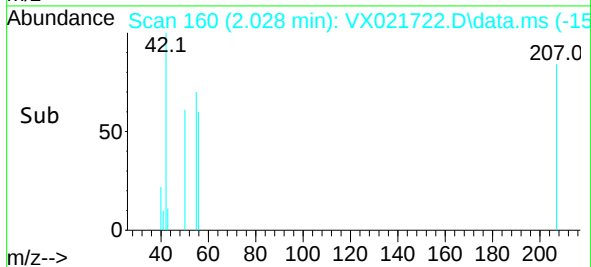
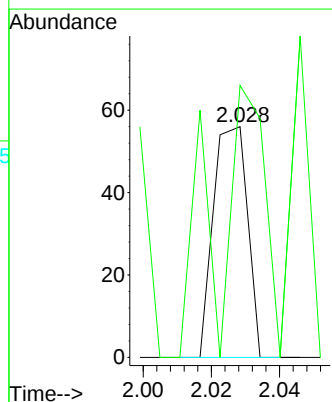
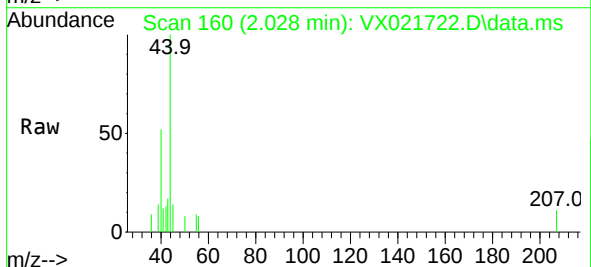
Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

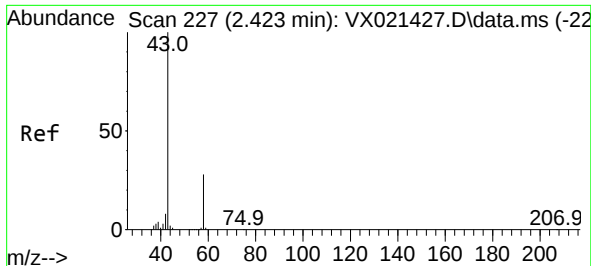


#13

Acrolein
Concen: 4.75 ug/l
RT: 2.028 min Scan# 160
Delta R.T. -0.248 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 166.7 56.4 84.6#

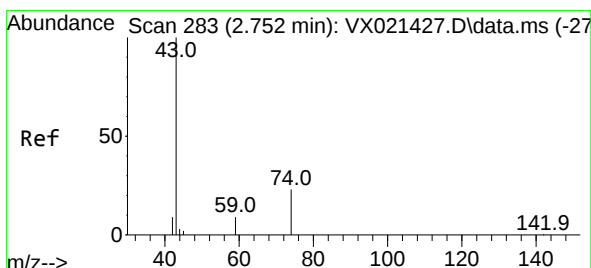
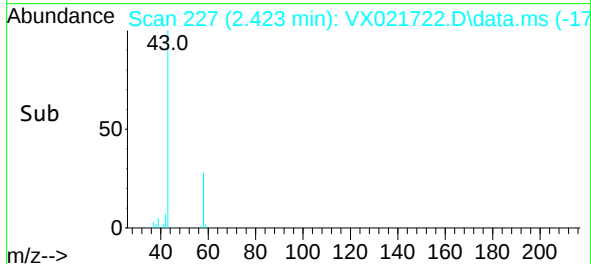
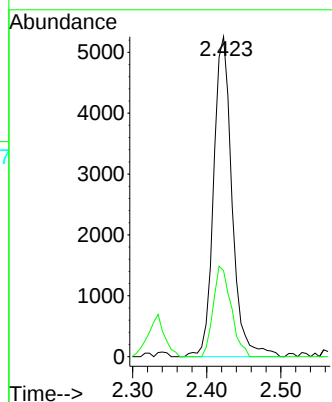
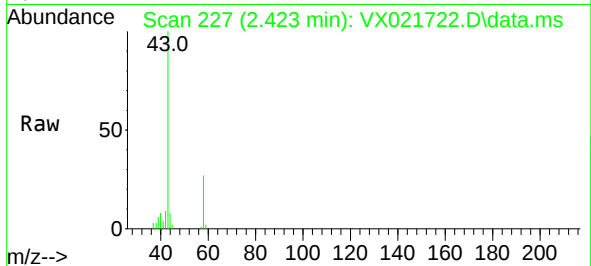




#16
Acetone
Concen: 23.68 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

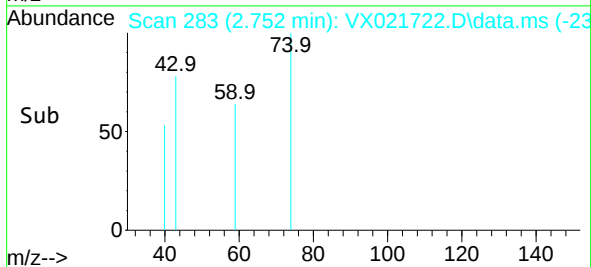
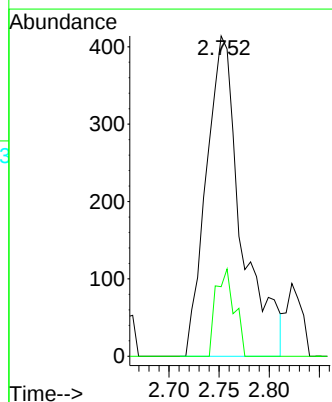
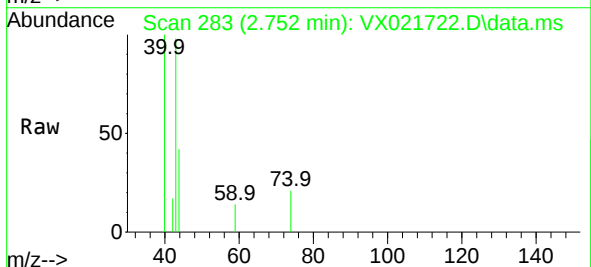
Instrument :
MSVOA_X
ClientSampleId :
MMR-SP

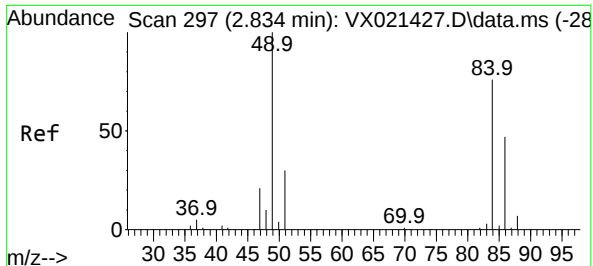
Tgt Ion: 43 Resp: 9080
Ion Ratio Lower Upper
43 100
58 26.8 27.8 41.8#



#18
Methyl Acetate
Concen: 0.91 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
74 14.4 21.9 32.9#





#20

Methylene Chloride

Concen: 4.50 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021722.D

Acq: 01 Apr 2021 20:34

Tgt Ion: 84 Resp: 3366

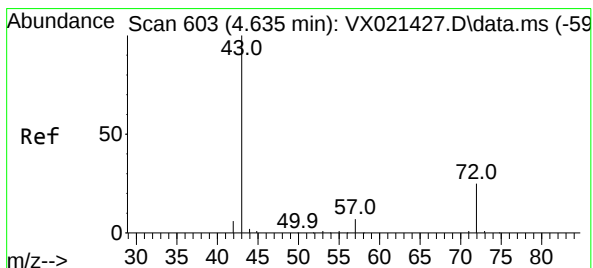
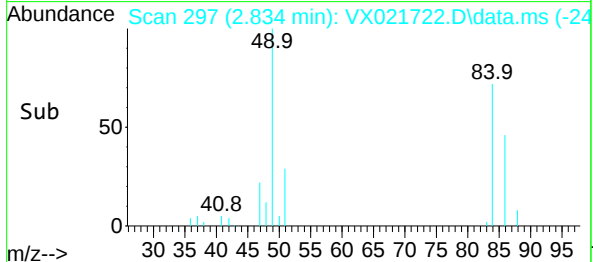
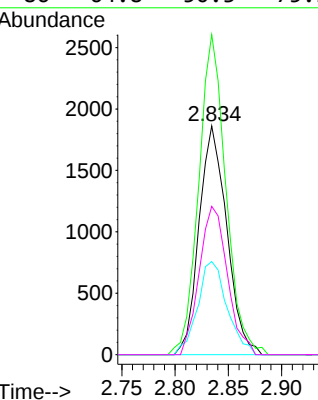
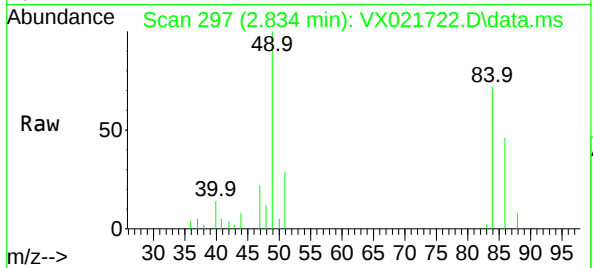
Ion Ratio Lower Upper

84 100

49 139.8 88.6 132.8#

51 40.7 27.0 40.6#

86 64.8 50.3 75.5



#25

2-Butanone

Concen: 5.41 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX021722.D

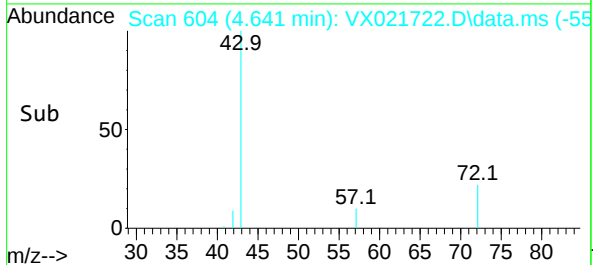
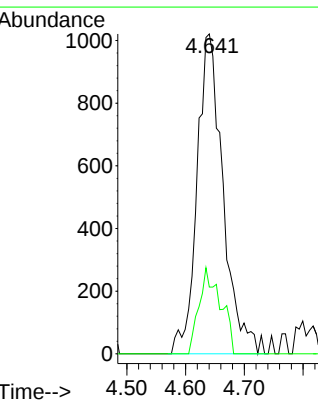
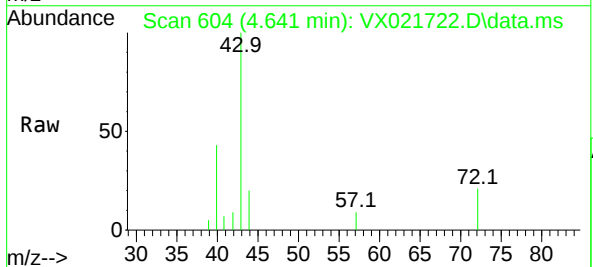
Acq: 01 Apr 2021 20:34

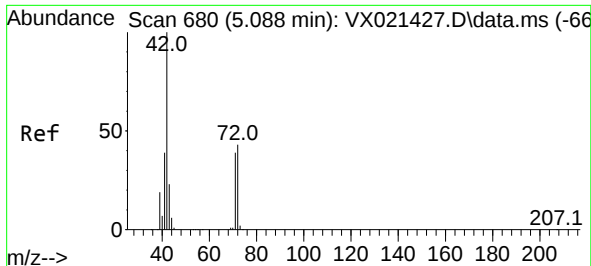
Tgt Ion: 43 Resp: 3143

Ion Ratio Lower Upper

43 100

72 20.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.12 ug/l

RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

Lab File: VX021722.D

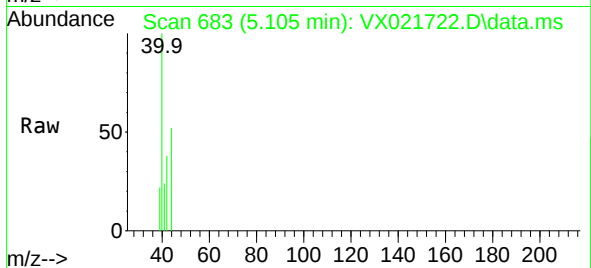
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Instrument :

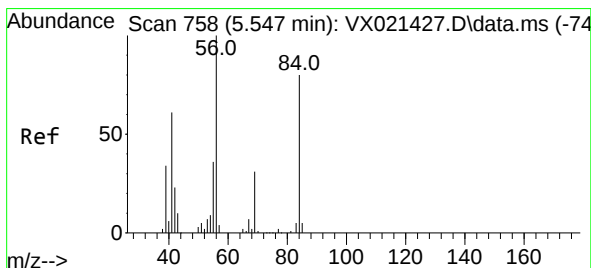
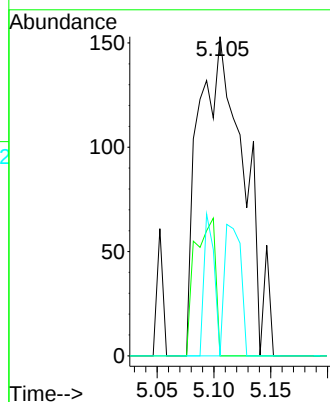
MSVOA_X

ClientSampleId :

MMR-SP



Tgt Ion:	42	Resp:	423
Ion	Ratio	Lower	Upper
42	100		
72	19.4	41.7	62.5#
71	14.9	38.4	57.6#



#31

Cyclohexane

Concen: 1.49 ug/l

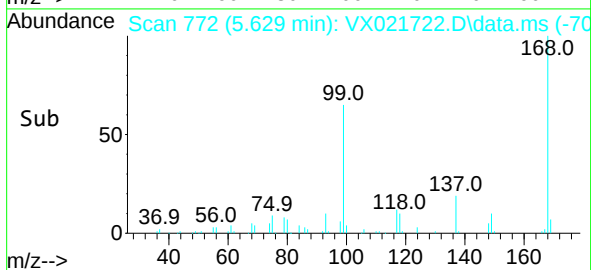
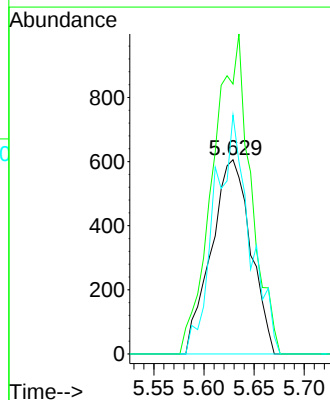
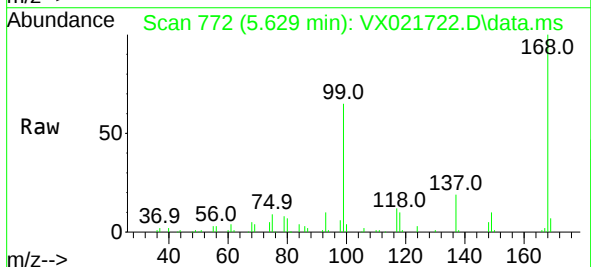
RT: 5.629 min Scan# 772

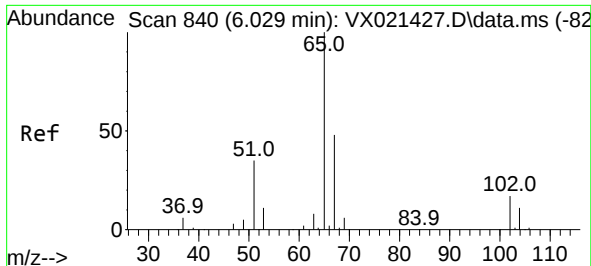
Delta R.T. 0.082 min

Lab File: VX021722.D

Acq: 01 Apr 2021 20:34

Tgt Ion:	56	Resp:	1659
Ion	Ratio	Lower	Upper
56	100		
69	138.9	25.3	37.9#
84	122.9	71.4	107.0#

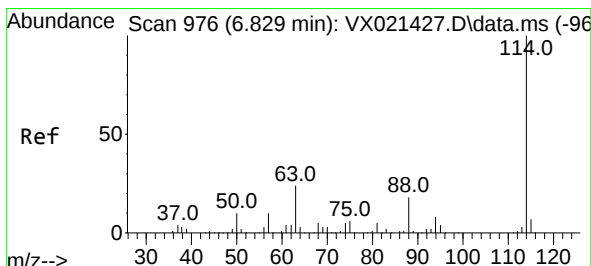
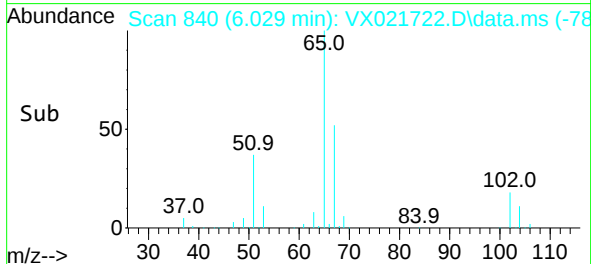
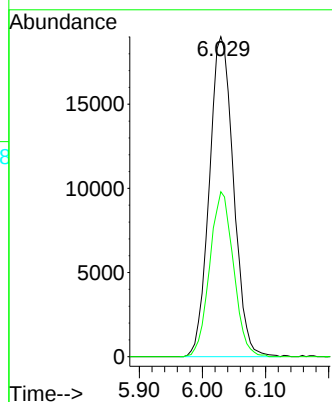
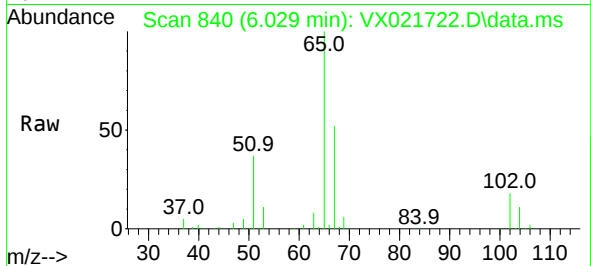




#33
1,2-Dichloroethane-d4
Concen: 49.98 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

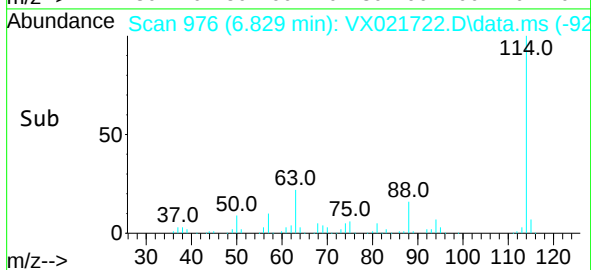
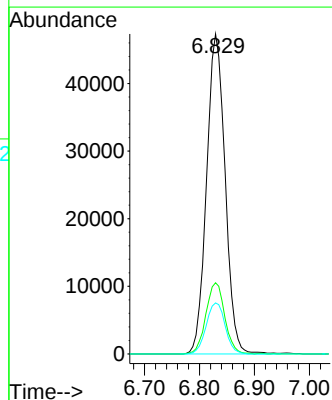
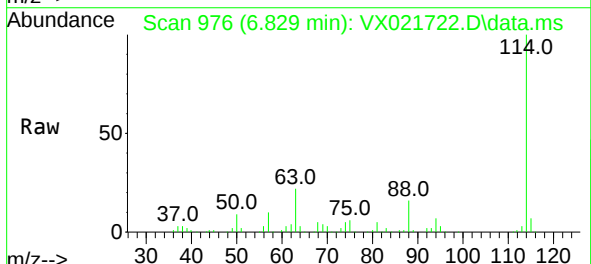
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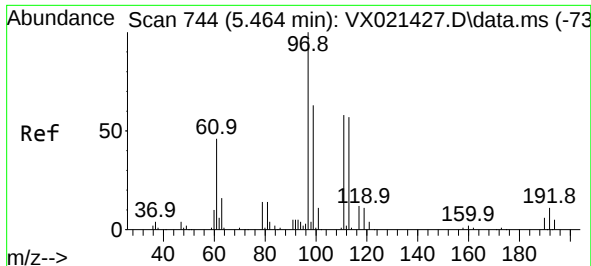
Tgt Ion: 65 Resp: 50698
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

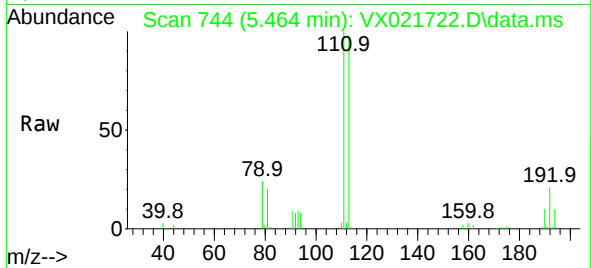
Tgt Ion: 114 Resp: 110993
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.8
88 16.0 0.0 32.8



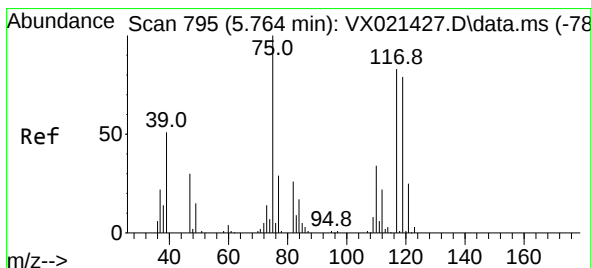
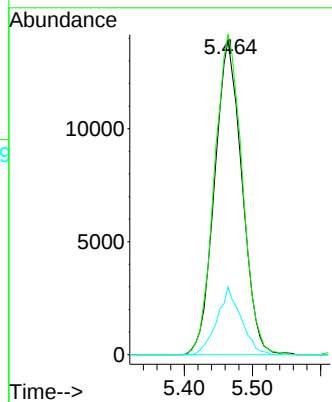
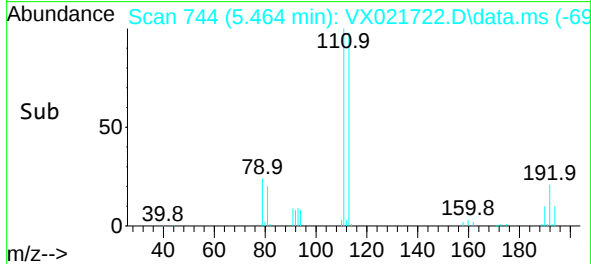


#35
Dibromofluoromethane
Concen: 49.11 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

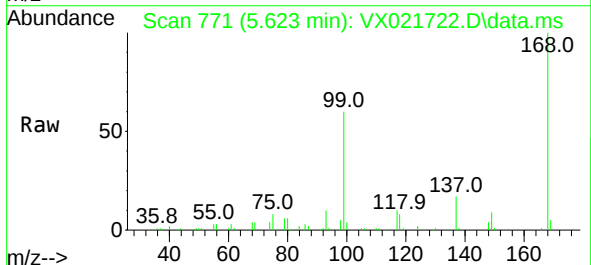
Instrument :
MSVOA_X
ClientSampleId :
MMR-SP



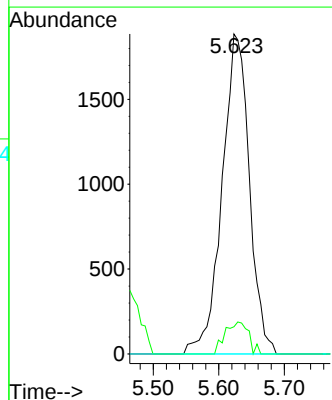
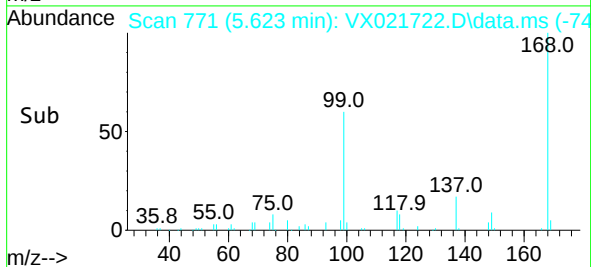
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Ion Ratio Lower Upper
113 100
111 104.1 81.9 122.9
192 19.1 16.7 25.1

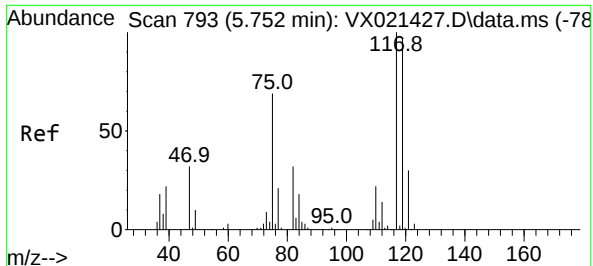


#36
1,1-Dichloropropene
Concen: 5.01 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34



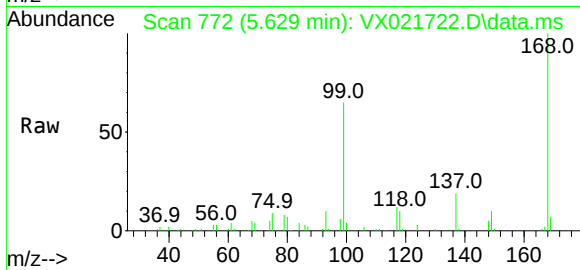
Tgt Ion: 75 Resp: 5444
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



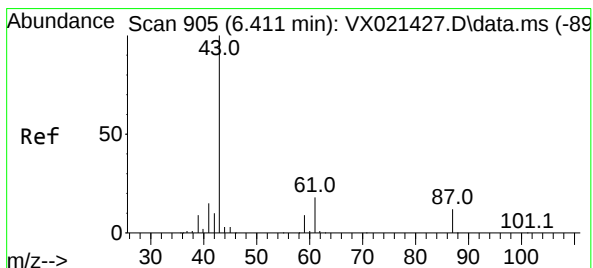
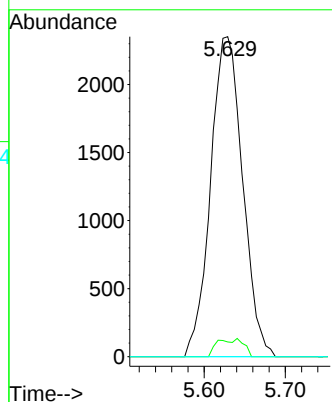
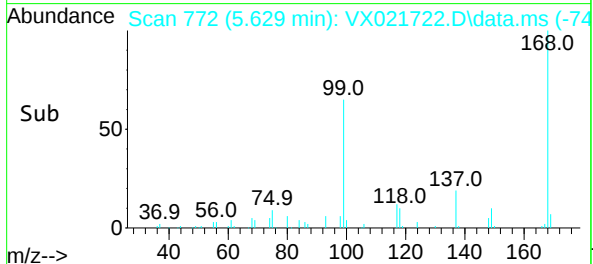


#38
Carbon Tetrachloride
Concen: 5.52 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

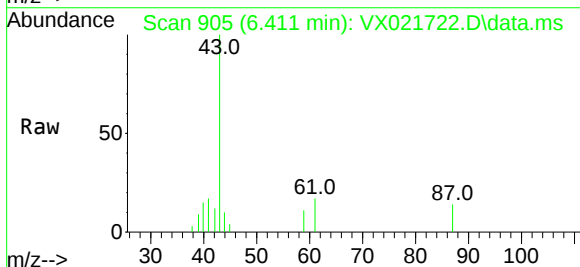
Instrument :
MSVOA_X
ClientSampleId :
MMR-SP



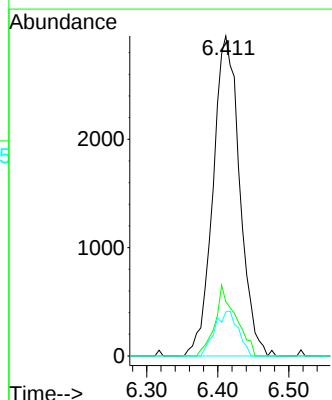
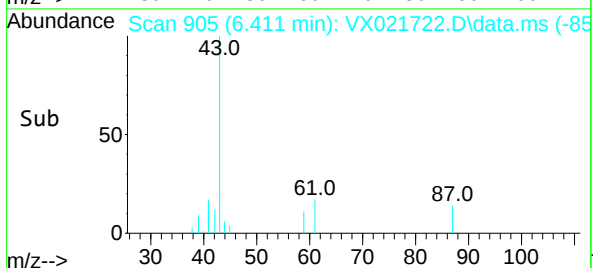
Tgt Ion:117 Resp: 6449
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

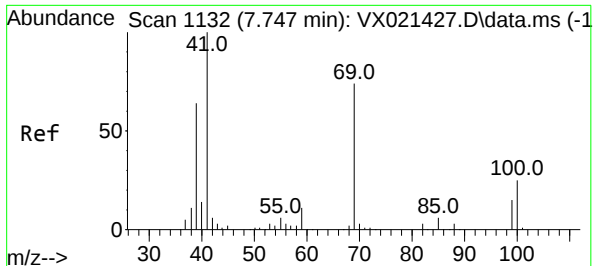


#43
Isopropyl Acetate
Concen: 3.77 ug/l
RT: 6.411 min Scan# 905
Delta R.T. 0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34



Tgt Ion: 43 Resp: 7698
Ion Ratio Lower Upper
43 100
61 17.3 18.2 27.4#
87 12.2 12.5 18.7#





#48

Methyl methacrylate

Concen: 29.80 ug/l

RT: 7.847 min Scan# 1149

Delta R.T. 0.100 min

Lab File: VX021722.D

Acq: 01 Apr 2021 20:34

Tgt Ion: 41 Resp: 32459

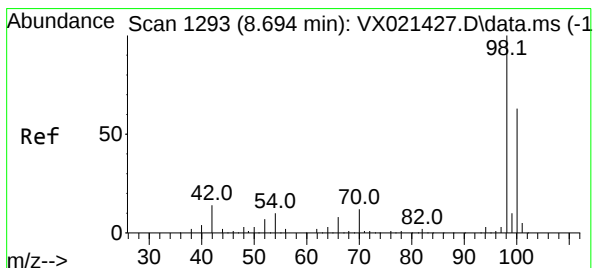
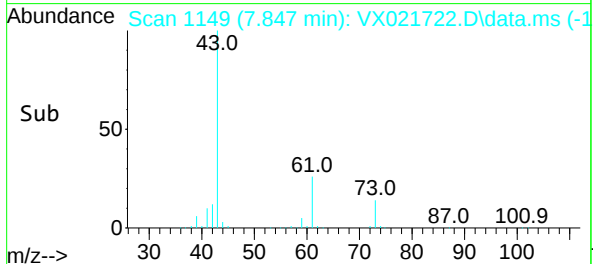
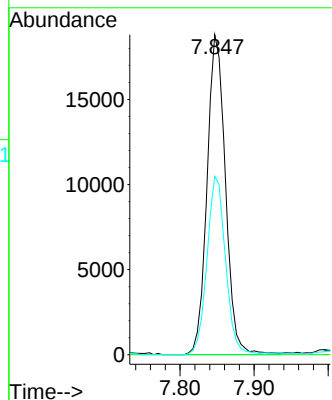
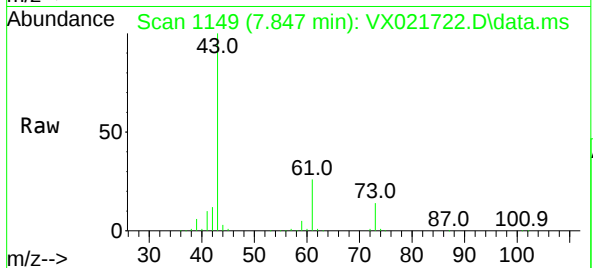
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	56.1	44.6	67.0

Instrument :

MSVOA_X

ClientSampled :

MMR-SP



#50

Toluene-d8

Concen: 51.17 ug/l

RT: 8.694 min Scan# 1293

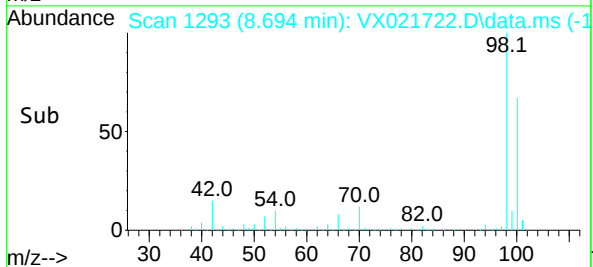
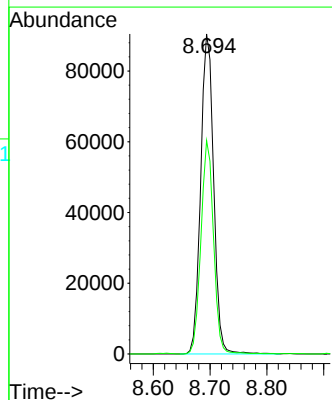
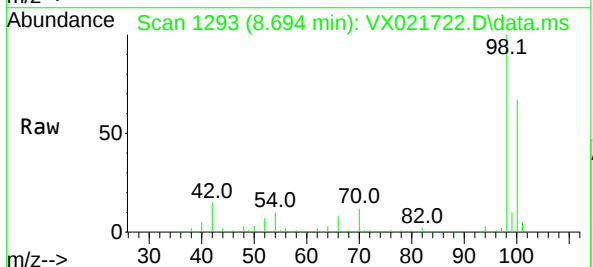
Delta R.T. -0.000 min

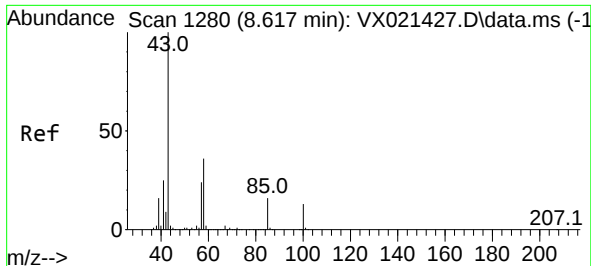
Lab File: VX021722.D

Acq: 01 Apr 2021 20:34

Tgt Ion: 98 Resp: 143755

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9

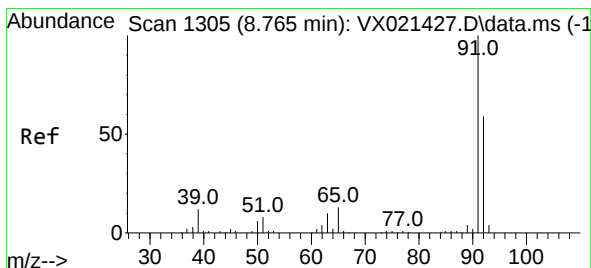
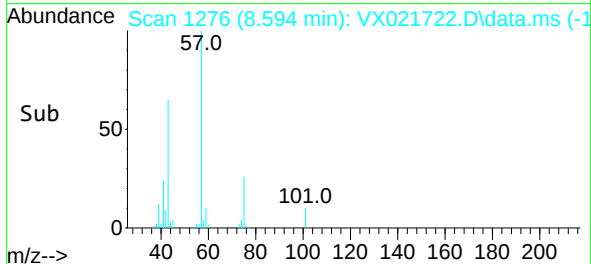
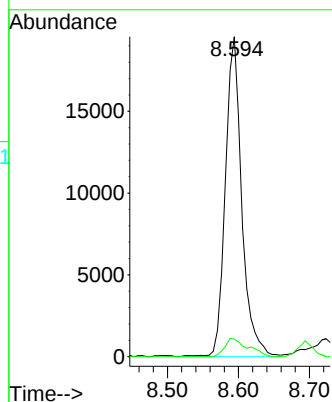
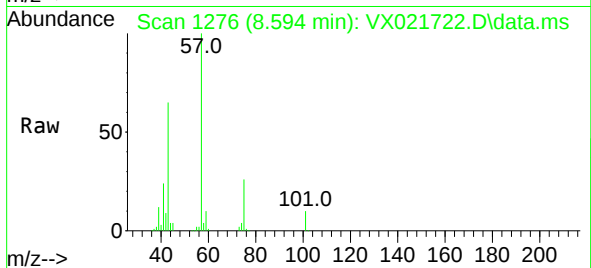




#51
4-Methyl-2-Pentanone
Concen: 24.97 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.023 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

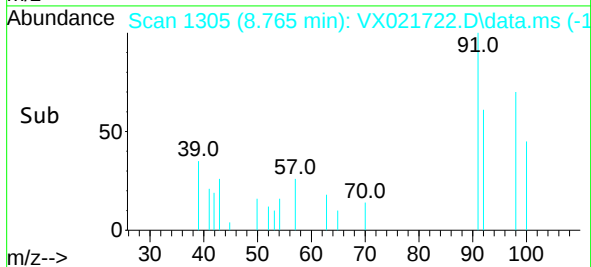
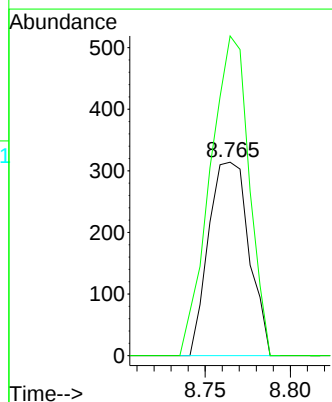
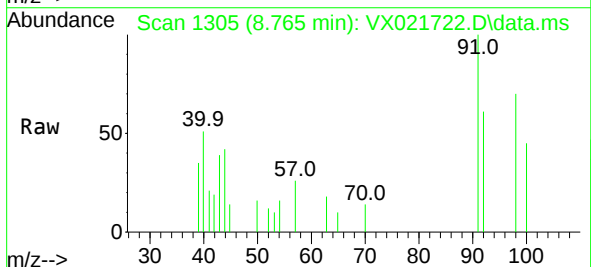
Instrument :
MSVOA_X
ClientSampleId :
MMR-SP

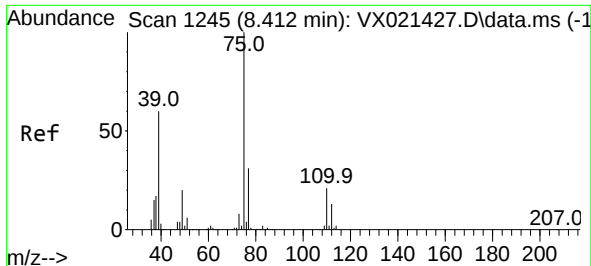
Tgt Ion: 43 Resp: 31364
Ion Ratio Lower Upper
43 100
58 8.0 35.4 53.0#



#52
Toluene
Concen: 0.27 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

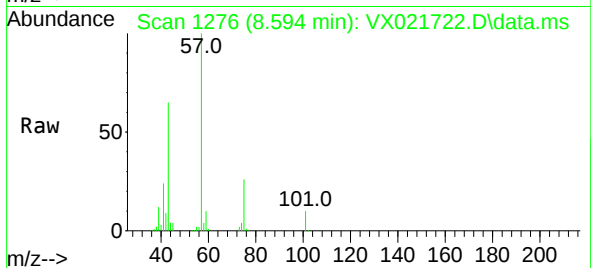
Tgt Ion: 92 Resp: 519
Ion Ratio Lower Upper
92 100
91 159.2 137.1 205.7



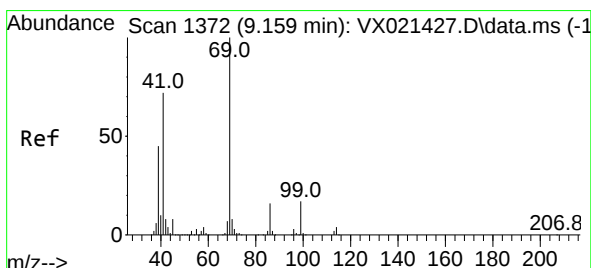
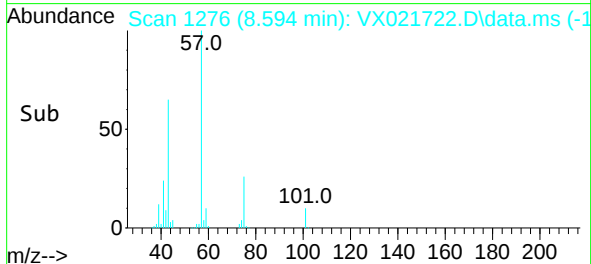
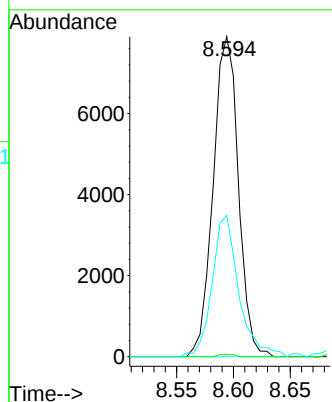


#54
 cis-1,3-Dichloropropene
 Concen: 9.14 ug/l
 RT: 8.594 min Scan# 1276
 Delta R.T. 0.182 min
 Lab File: VX021722.D
 Acq: 01 Apr 2021 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MMR-SP

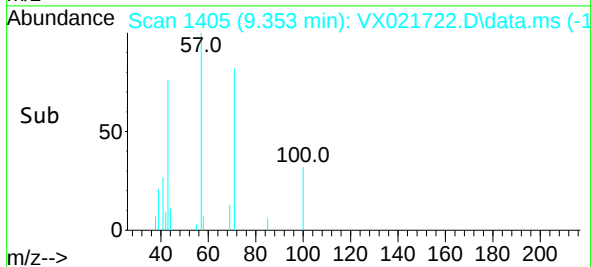
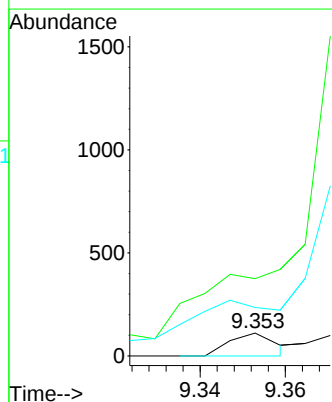
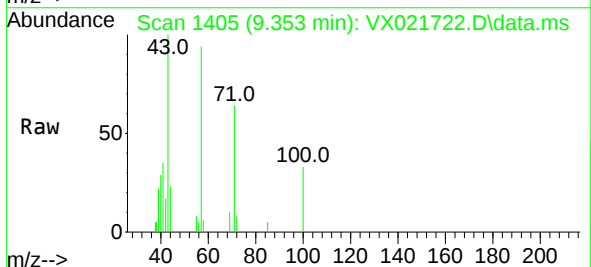


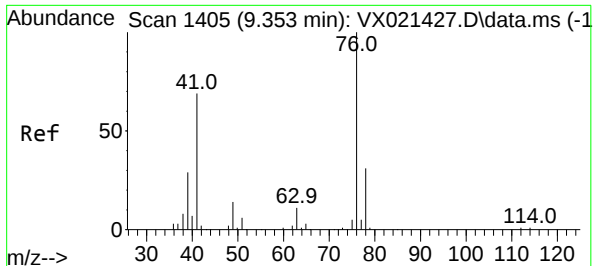
Tgt Ion: 75 Resp: 12185
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 44.1 35.1 52.7



#56
 Ethyl methacrylate
 Concen: 2.14 ug/l
 RT: 9.353 min Scan# 1405
 Delta R.T. 0.194 min
 Lab File: VX021722.D
 Acq: 01 Apr 2021 20:34

Tgt Ion: 69 Resp: 84
 Ion Ratio Lower Upper
 69 100
 41 0.0 46.8 70.2#
 39 0.0 24.7 37.1#



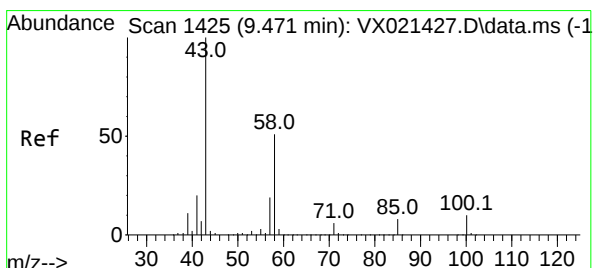
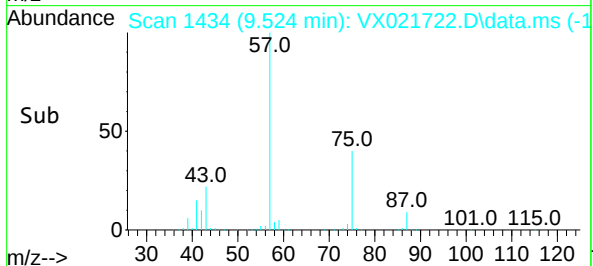
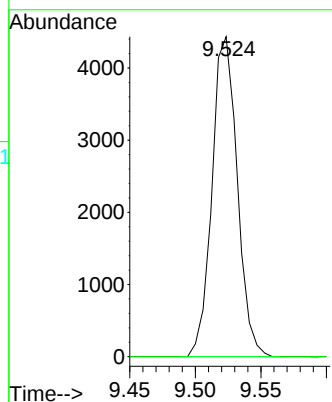
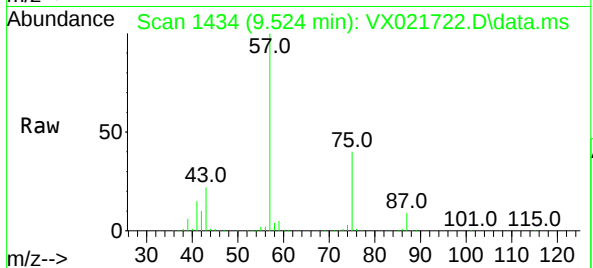


#57

1,3-Dichloropropane
Concen: 4.31 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Instrument :
MSVOA_X
ClientSampled :
MMR-SP

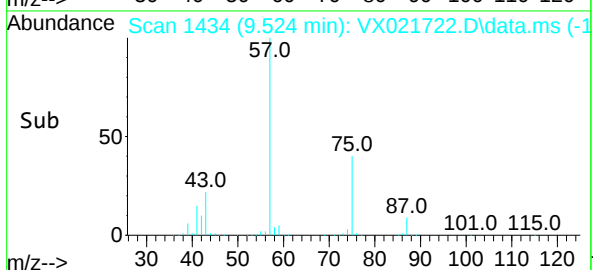
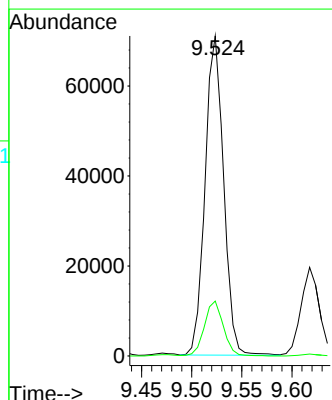
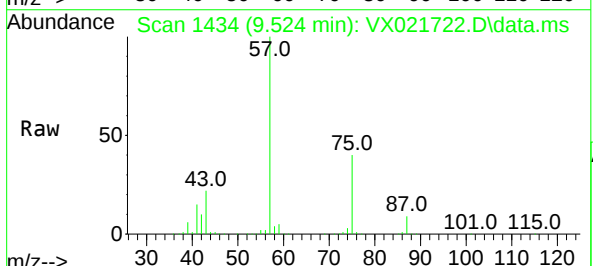
Tgt Ion: 76 Resp: 5934
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

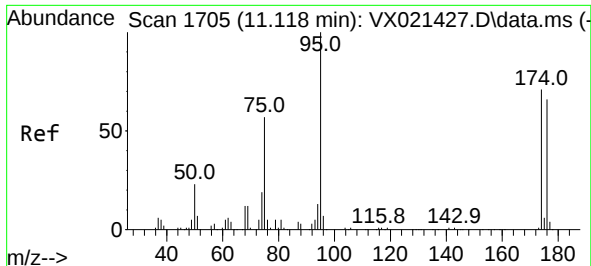


#59

2-Hexanone
Concen: 96.99 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Tgt Ion: 43 Resp: 91469
Ion Ratio Lower Upper
43 100
58 17.6 30.9 92.8#

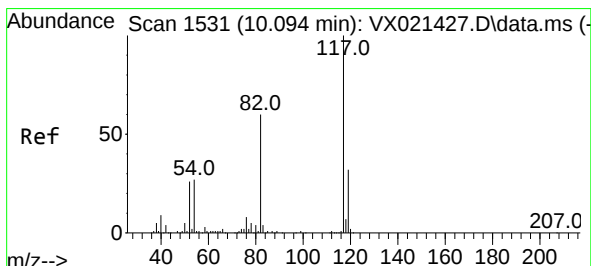
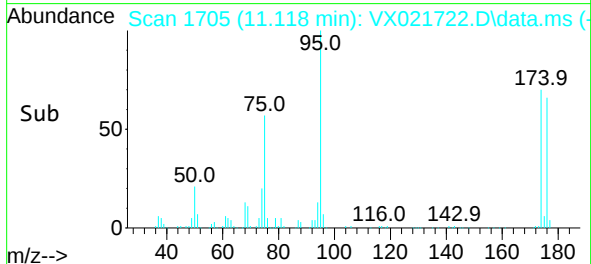
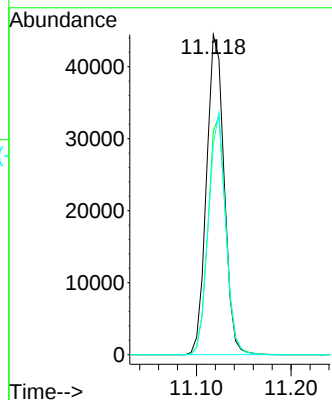
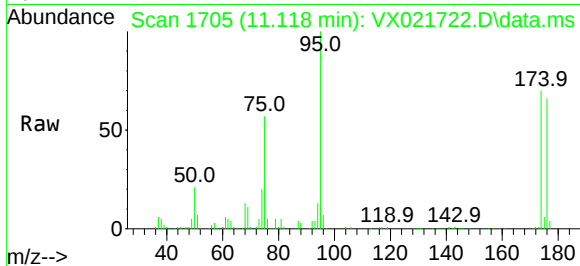




#62
4-Bromofluorobenzene
Concen: 52.35 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

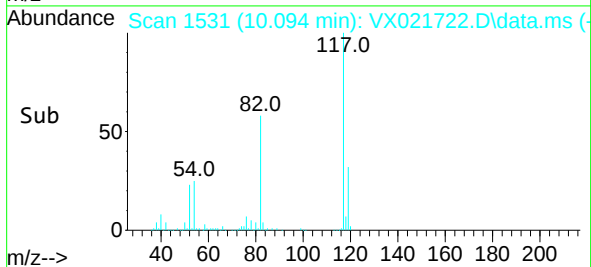
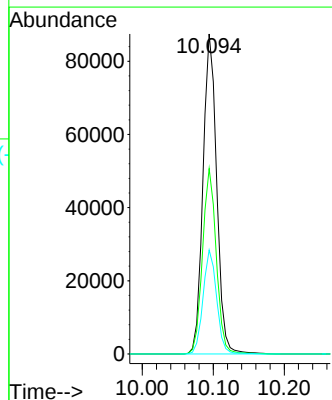
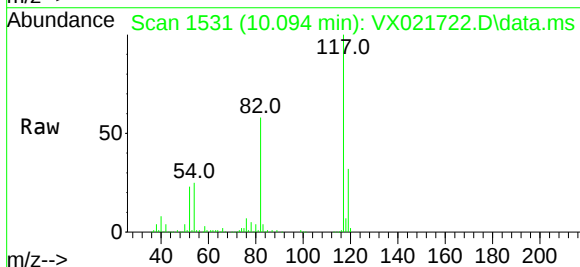
Instrument :
MSVOA_X
ClientSampleId :
MMR-SP

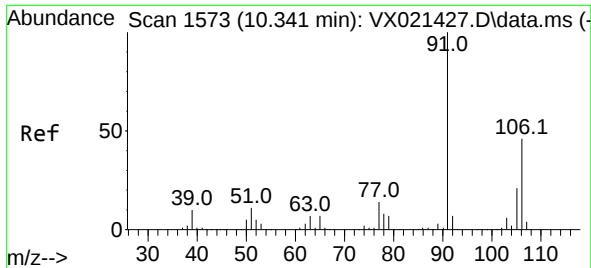
Tgt Ion: 95 Resp: 57179
Ion Ratio Lower Upper
95 100
174 75.0 0.0 154.6
176 74.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Tgt Ion: 117 Resp: 117808
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.5 26.6 39.8

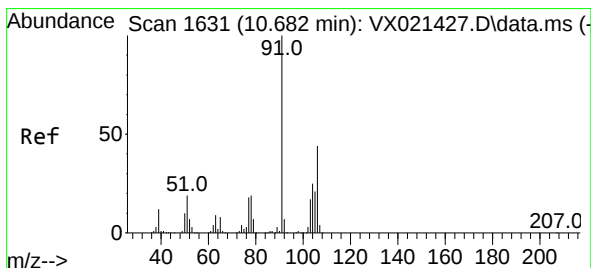
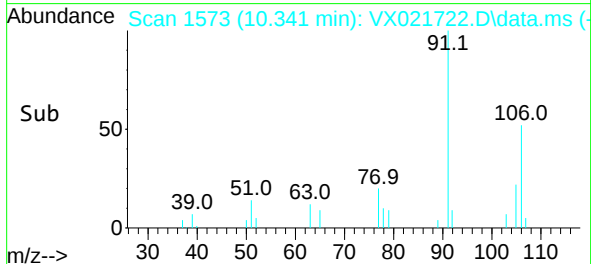
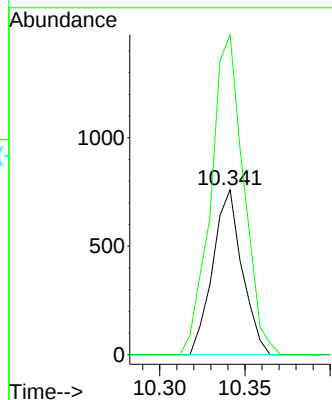
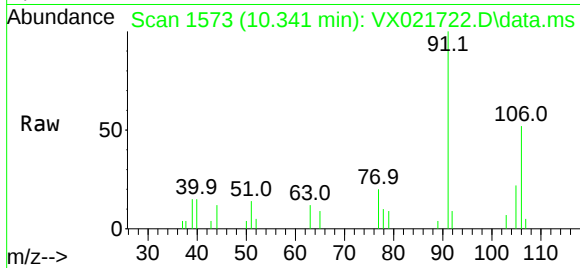




#68
m/p-Xylenes
Concen: 0.59 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

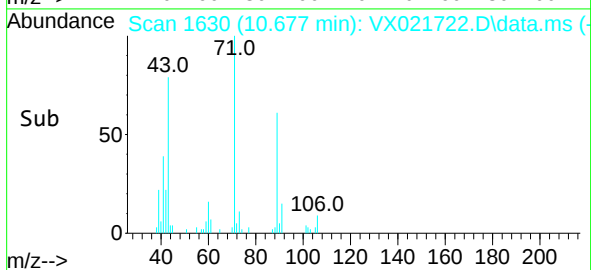
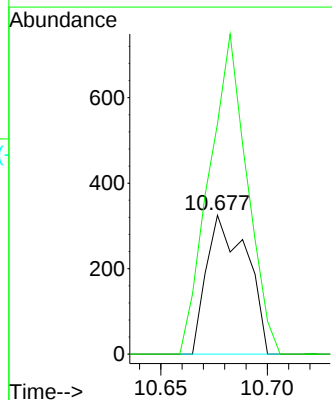
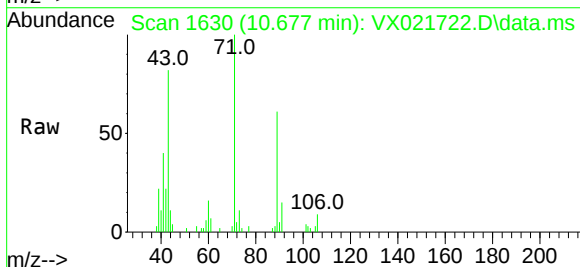
Instrument :
MSVOA_X
ClientSampled :
MMR-SP

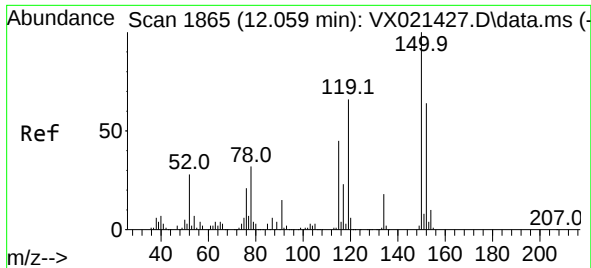
Tgt Ion:106 Resp: 913
Ion Ratio Lower Upper
106 100
91 216.1 162.8 244.2



#69
o-Xylene
Concen: 0.29 ug/l
RT: 10.677 min Scan# 1630
Delta R.T. -0.005 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Tgt Ion:106 Resp: 426
Ion Ratio Lower Upper
106 100
91 218.5 108.1 324.2

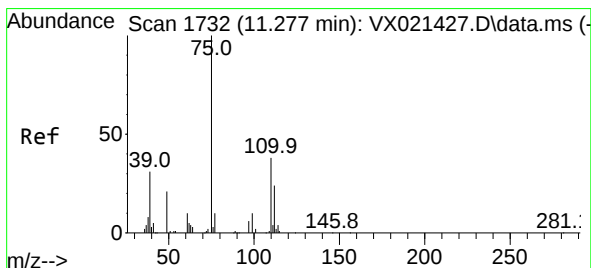
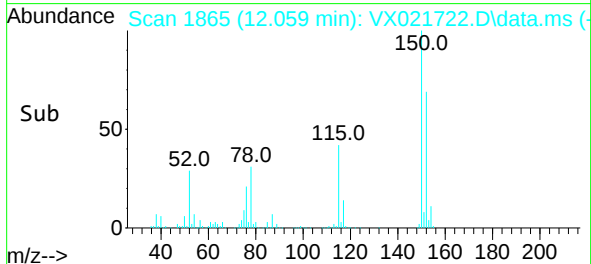
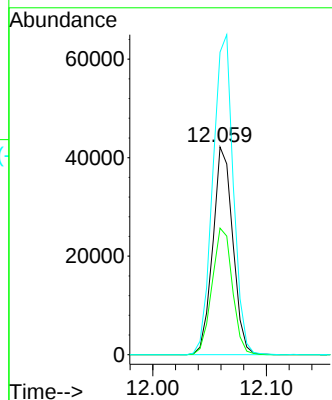
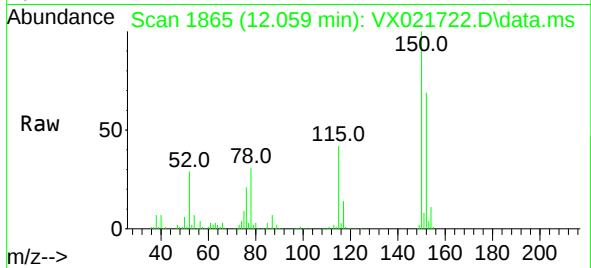




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021722.D
 Acq: 01 Apr 2021 20:34

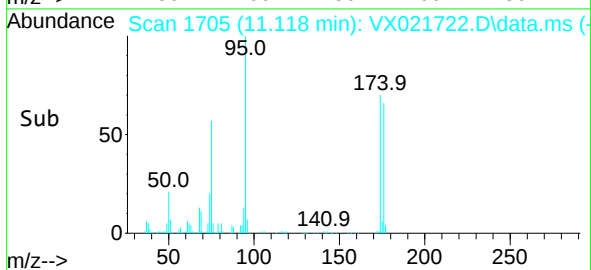
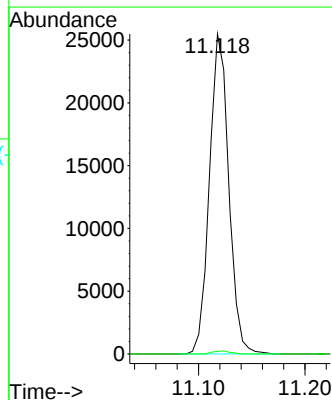
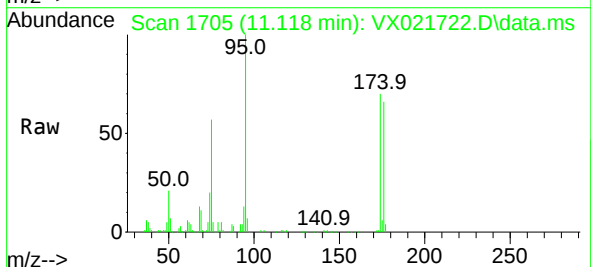
Instrument :
 MSVOA_X
 ClientSampleId :
 MMR-SP

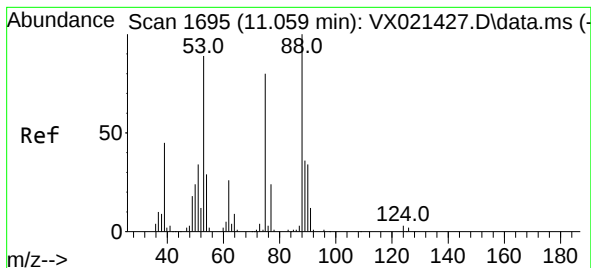
Tgt Ion:152 Resp: 51425
 Ion Ratio Lower Upper
 152 100
 115 62.1 41.1 123.3
 150 158.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.79 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021722.D
 Acq: 01 Apr 2021 20:34

Tgt Ion: 75 Resp: 32068
 Ion Ratio Lower Upper
 75 100
 77 0.8 19.1 57.5#

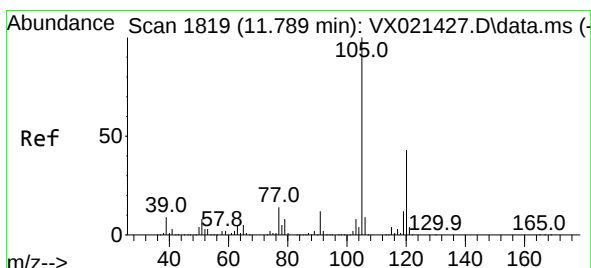
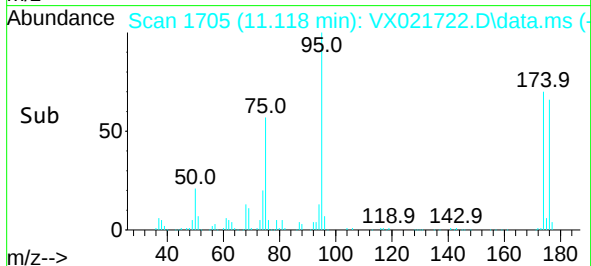
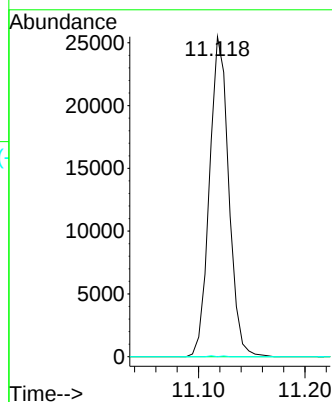
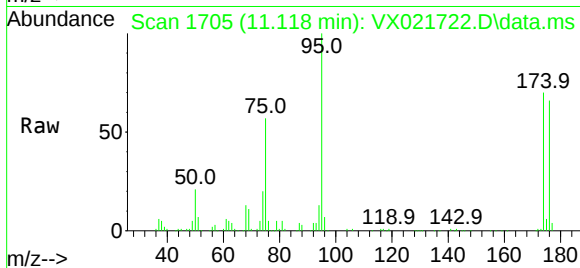




#81
trans-1,4-Dichloro-2-butene
Concen: 81.59 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

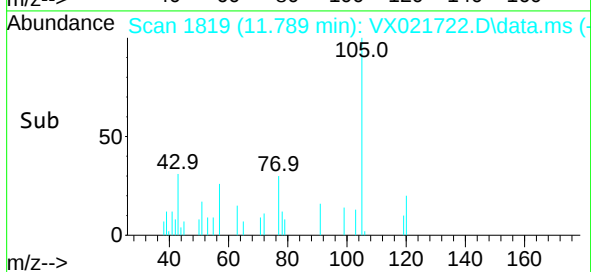
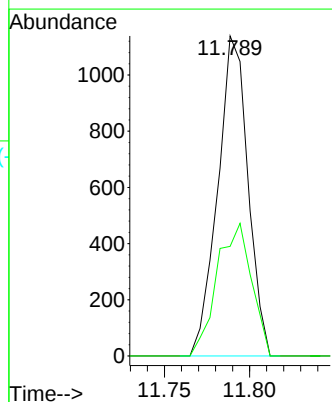
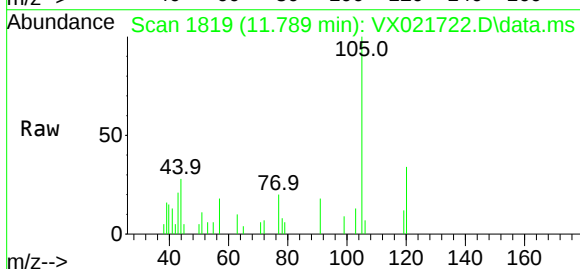
Instrument :
MSVOA_X
ClientSampleId :
MMR-SP

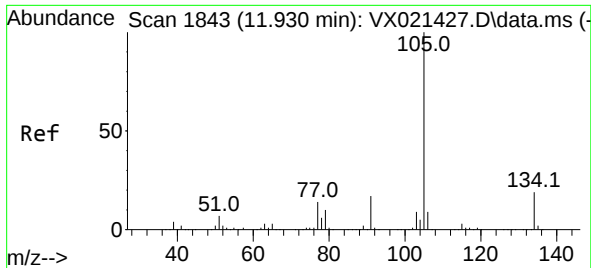
Tgt Ion: 75 Resp: 32068
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.2 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.45 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021722.D
Acq: 01 Apr 2021 20:34

Tgt Ion: 105 Resp: 1407
Ion Ratio Lower Upper
105 100
120 47.3 22.4 67.3

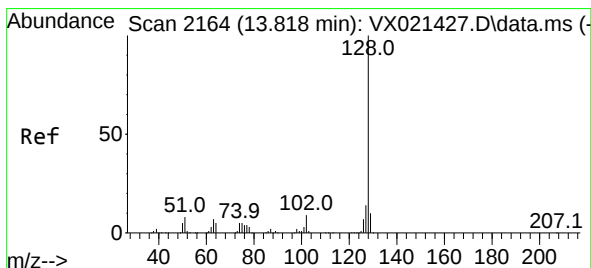
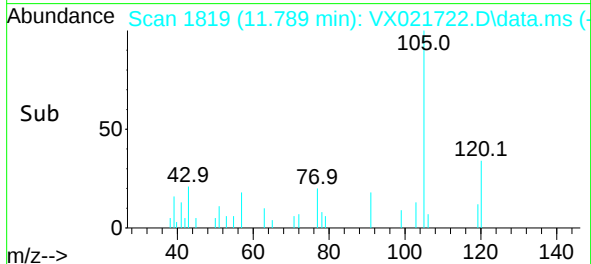
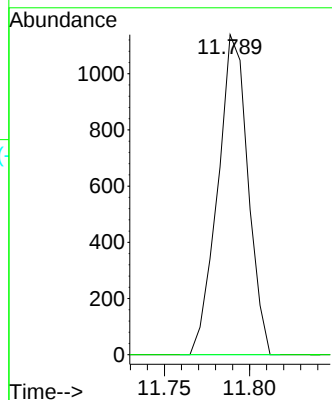
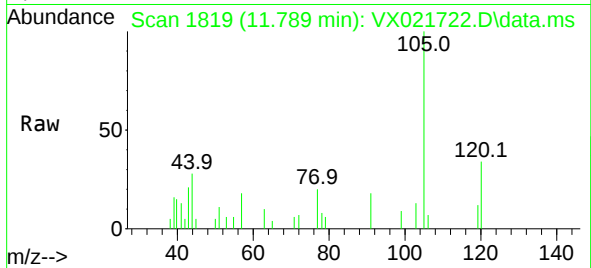




#85
 sec-Butylbenzene
 Concen: 0.41 ug/l
 RT: 11.789 min Scan# 1819
 Delta R.T. -0.141 min
 Lab File: VX021722.D
 Acq: 01 Apr 2021 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MMR-SP

Tgt Ion:105 Resp: 1407
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#95
 Naphthalene
 Concen: 0.87 ug/l
 RT: 13.812 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: VX021722.D
 Acq: 01 Apr 2021 20:34

Tgt Ion:128 Resp: 2930
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.3 15.5
 129 10.4 8.8 13.2

