

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036847.D
 Acq On : 07 Aug 2023 19:17
 Operator : JC/MD
 Sample : 03887-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP9

Quant Time: Aug 08 01:40:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

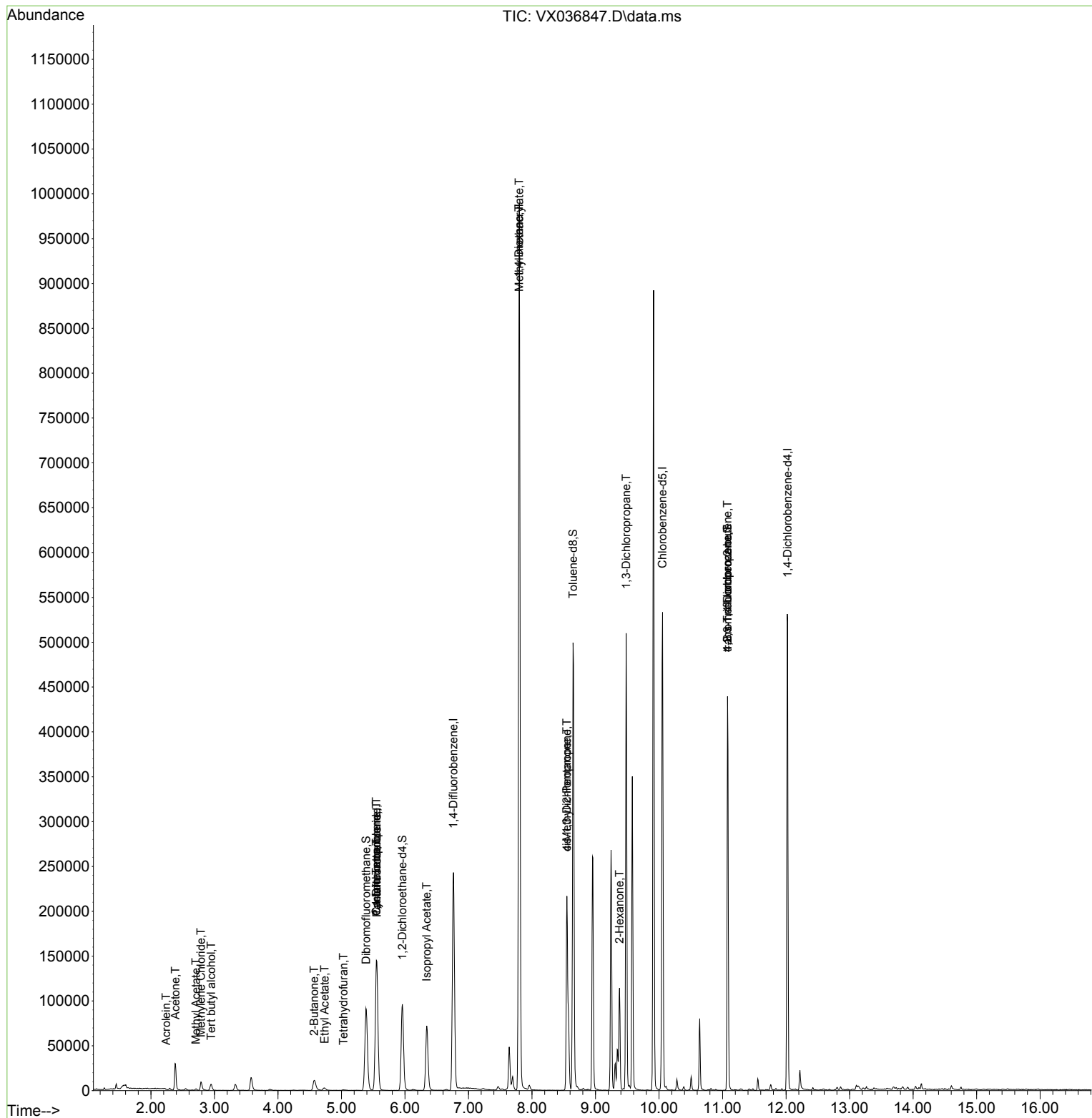
Internal Standards						
1) Pentafluorobenzene	5.556	168	136128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248579	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94571	46.952	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.900%		
35) Dibromofluoromethane	5.385	113	79958	46.798	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.600%		
50) Toluene-d8	8.647	98	302756	49.968	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.940%		
62) 4-Bromofluorobenzene	11.079	95	117846	51.552	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	4210	8.829	ug/l #	78
13) Acrolein	2.239	56	94	0.345	ug/l #	14
16) Acetone	2.386	43	32085	38.387	ug/l	93
18) Methyl Acetate	2.709	43	2192	0.623	ug/l	95
20) Methylene Chloride	2.788	84	5040	2.711	ug/l	89
25) 2-Butanone	4.568	43	14730	10.862	ug/l	93
29) Tetrahydrofuran	5.032	42	411	0.470	ug/l #	92
31) Cyclohexane	5.550	56	2999	1.075	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11231	4.410	ug/l #	51
37) Ethyl Acetate	4.733	43	5781	2.006	ug/l	96
38) Carbon Tetrachloride	5.550	117	14462	5.342	ug/l #	15
43) Isopropyl Acetate	6.342	43	100106	20.176	ug/l	95
48) Methyl methacrylate	7.799	41	81840	35.467	ug/l #	49
49) 1,4-Dioxane	7.793	88	84	1.802	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	110011	40.066	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	36093	10.649	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	4402	1.354	ug/l #	42
59) 2-Hexanone	9.378	43	83574	41.012	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	62748	24.152	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62748	54.742	ug/l #	5

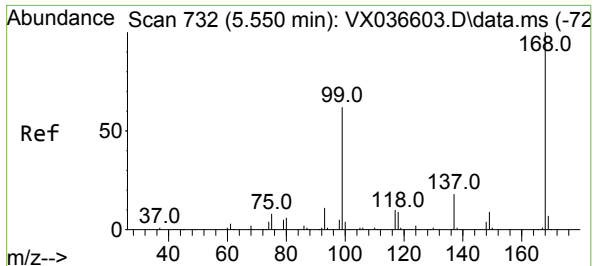
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

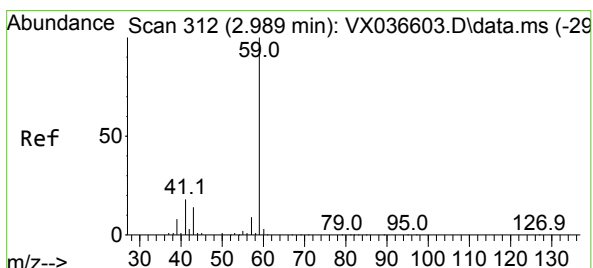
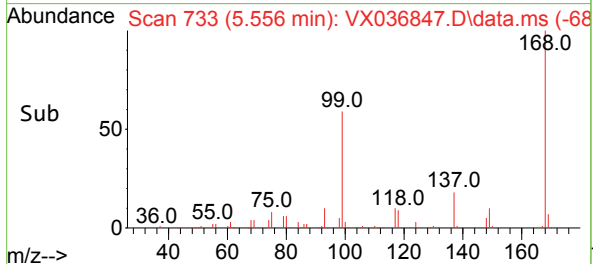
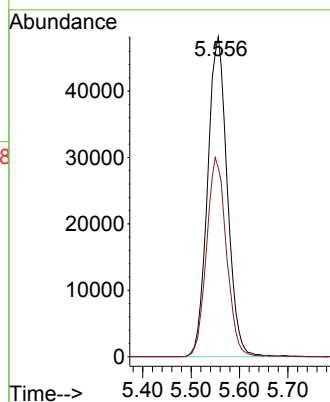
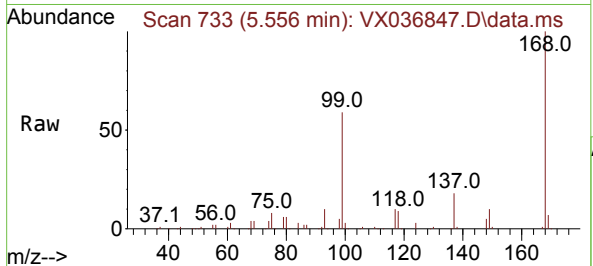




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

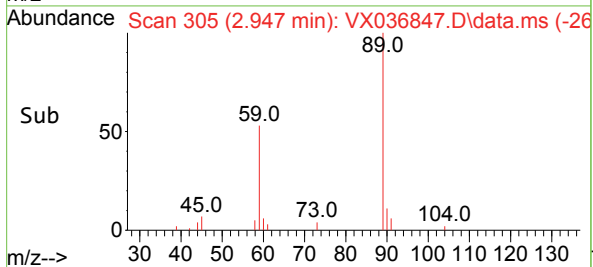
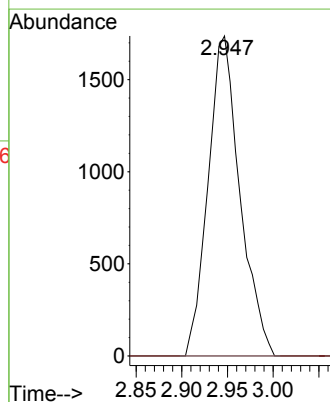
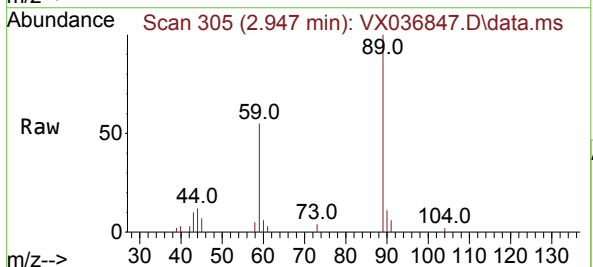
Instrument :
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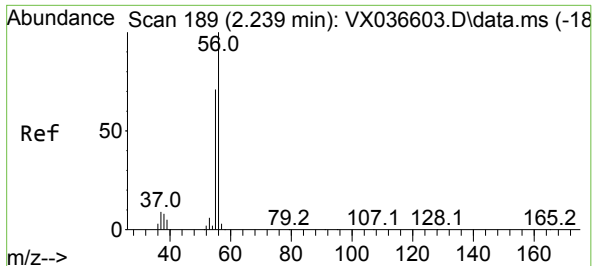
Tgt Ion:168 Resp: 136128
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 8.829 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 59 Resp: 4210
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

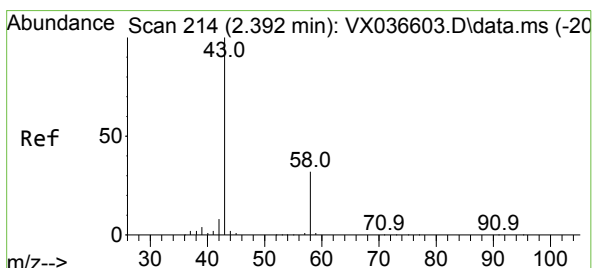
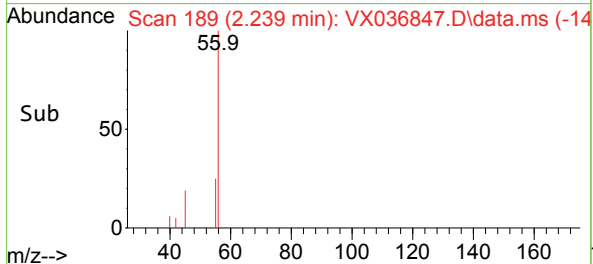
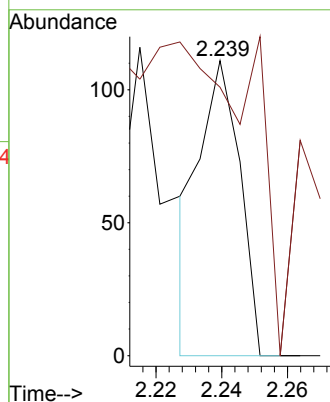
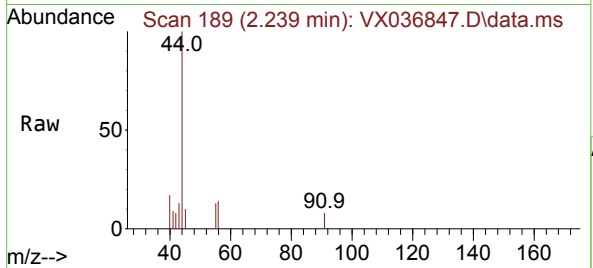




#13
Acrolein
Concen: 0.345 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

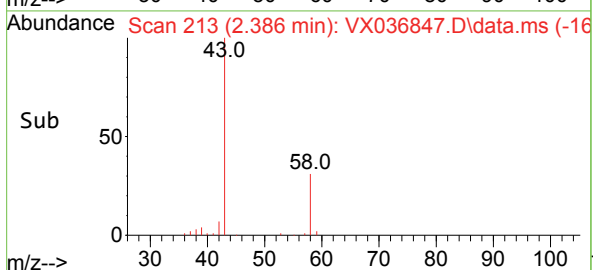
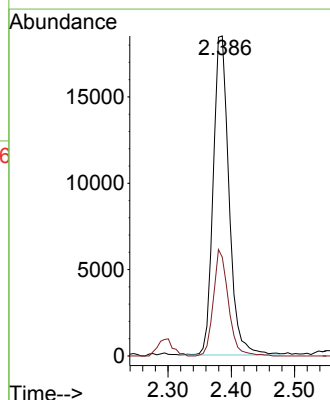
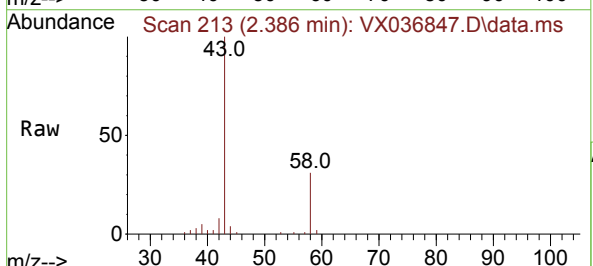
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP9

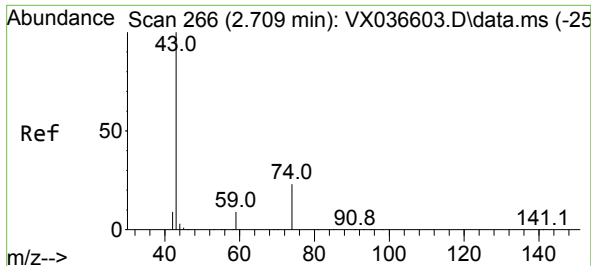
Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 38.387 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 43 Resp: 32085
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9

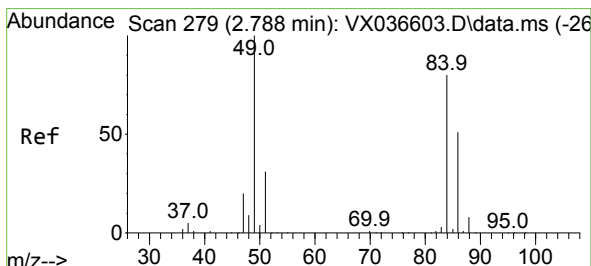
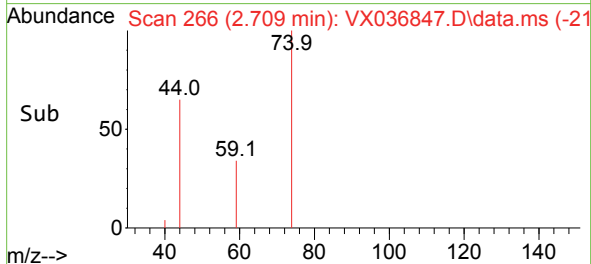
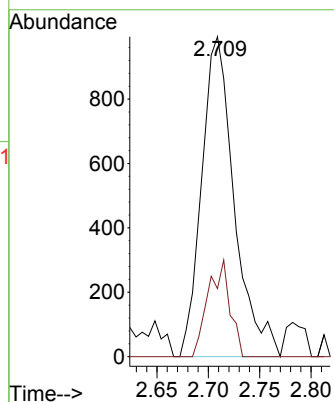
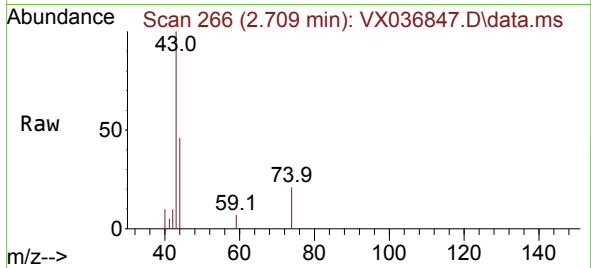




#18
Methyl Acetate
Concen: 0.623 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

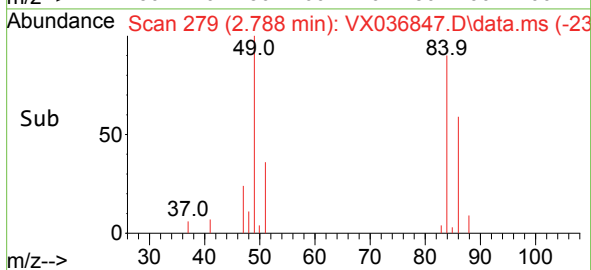
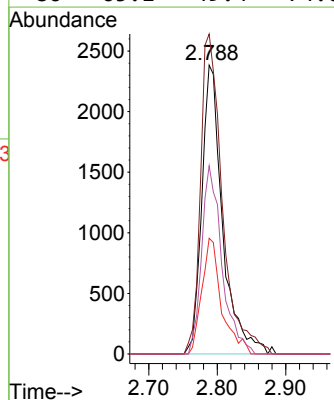
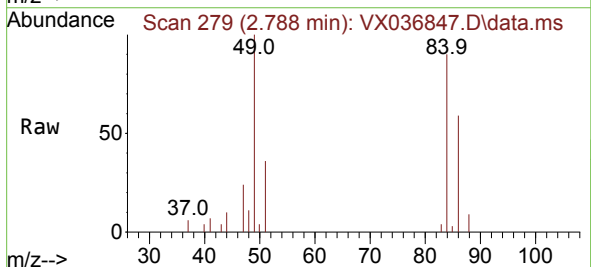
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP9

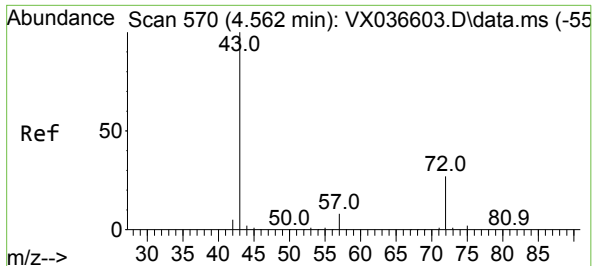
Tgt Ion: 43 Resp: 2192
Ion Ratio Lower Upper
43 100
74 20.1 17.8 26.8



#20
Methylene Chloride
Concen: 2.711 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 84 Resp: 5040
Ion Ratio Lower Upper
84 100
49 110.8 103.6 155.4
51 40.1 33.8 50.6
86 65.1 49.4 74.0

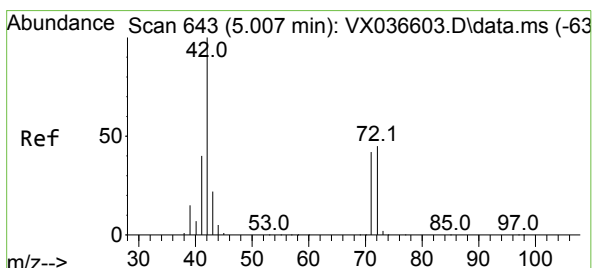
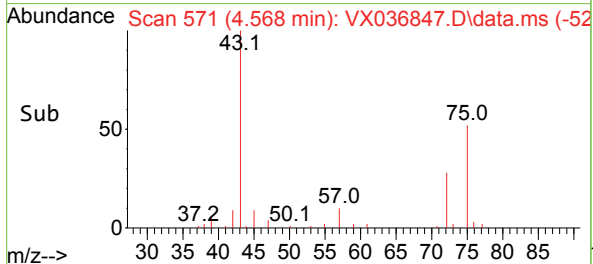
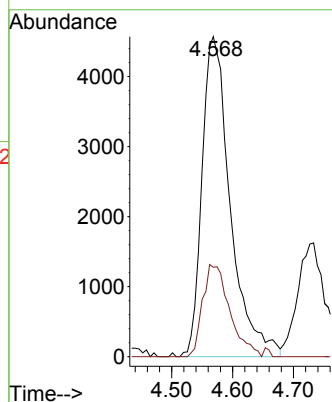
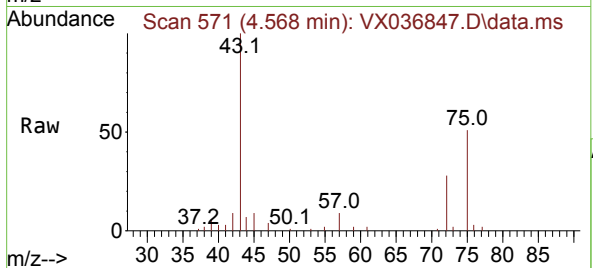




#25
2-Butanone
Concen: 10.862 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

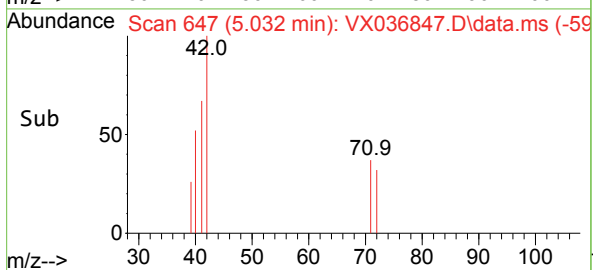
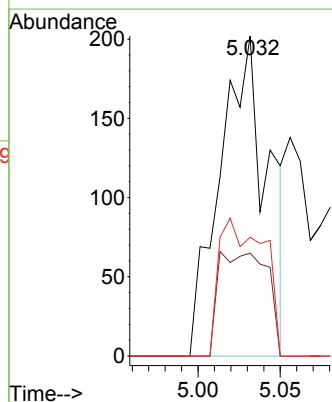
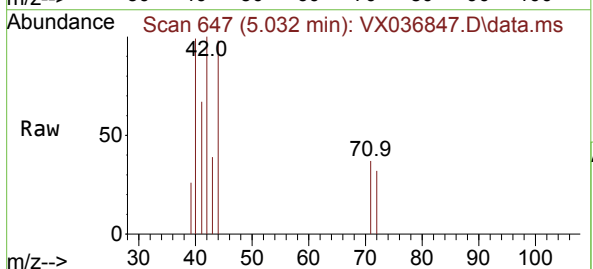
Instrument :
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ClientSampleId :
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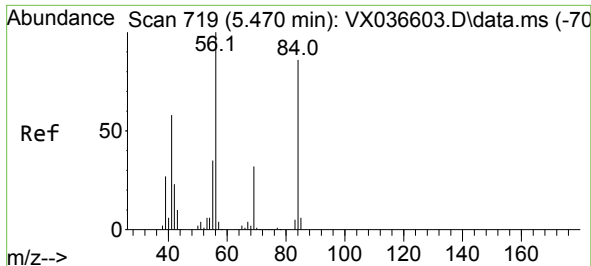
Tgt Ion: 43 Resp: 14730
Ion Ratio Lower Upper
43 100
72 27.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.470 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 42 Resp: 411
Ion Ratio Lower Upper
42 100
72 32.6 34.2 51.4#
71 40.1 32.2 48.2

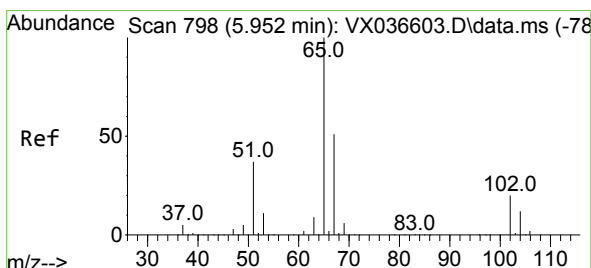
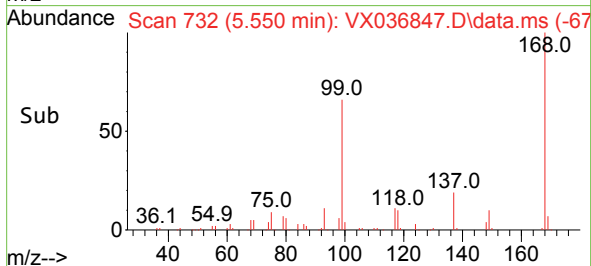
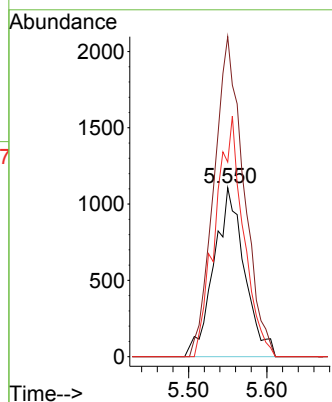
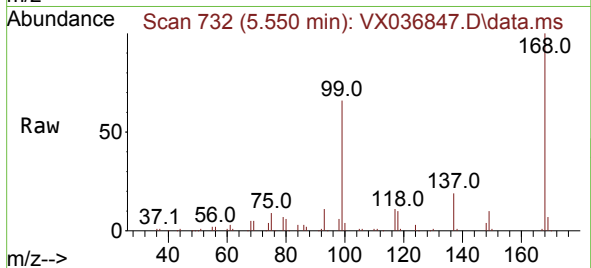




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

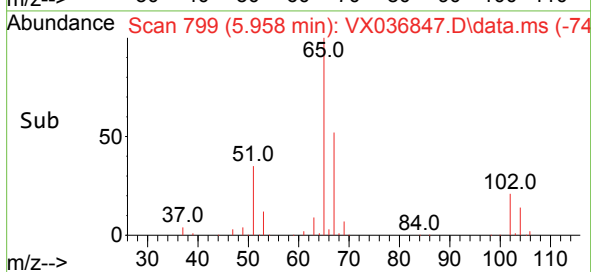
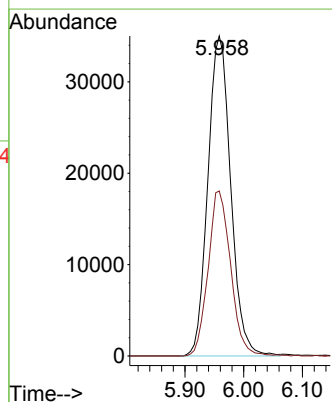
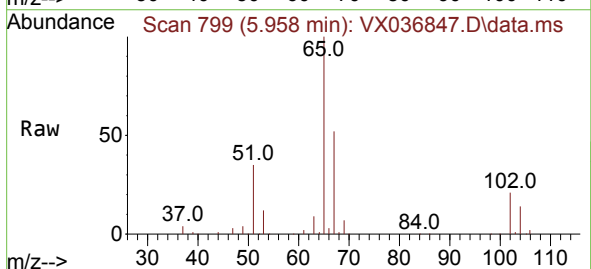
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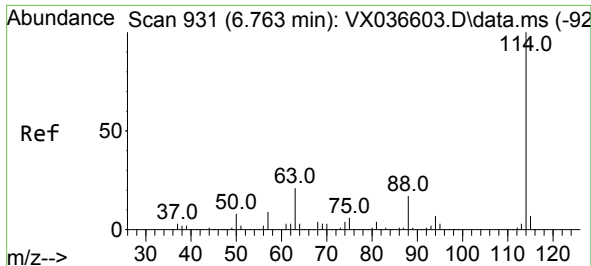
Tgt Ion: 56 Resp: 2999
Ion Ratio Lower Upper
56 100
69 189.4 23.4 35.2#
84 115.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.952 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 65 Resp: 94571
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

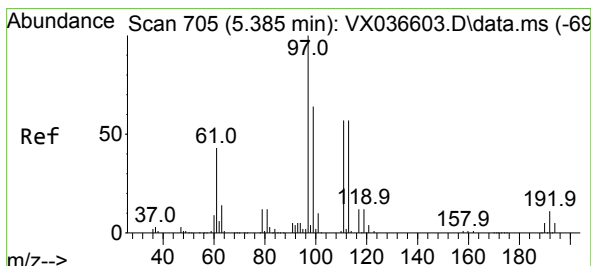
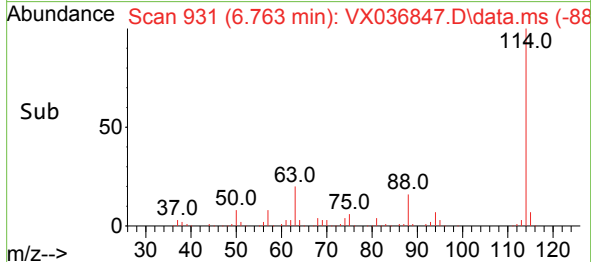
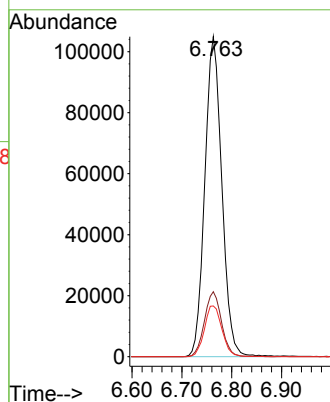
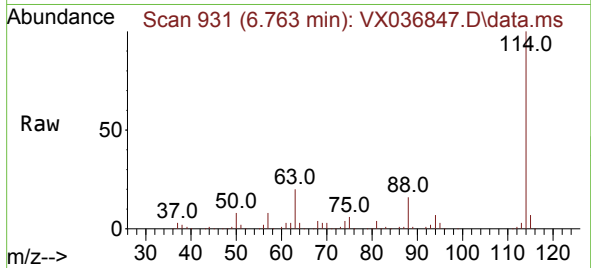




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

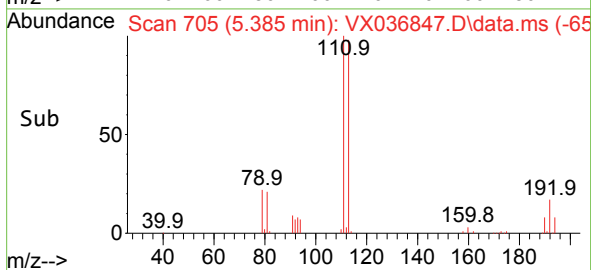
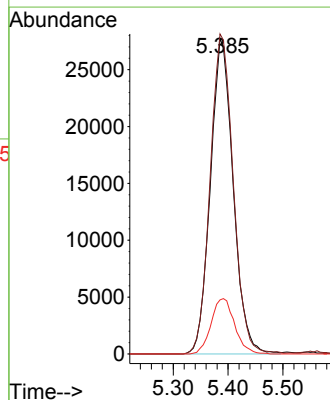
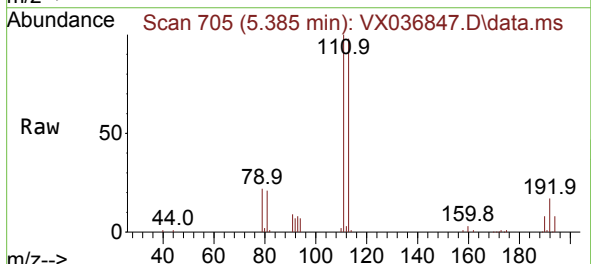
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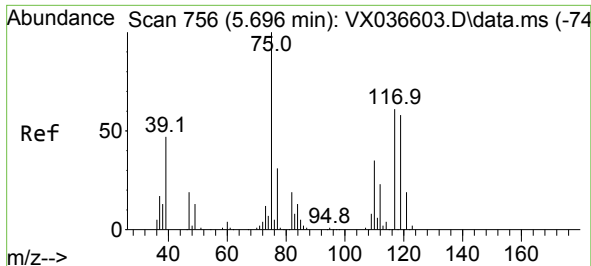
Tgt Ion:114 Resp: 248579
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.798 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion:113 Resp: 79958
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 18.1 13.3 19.9

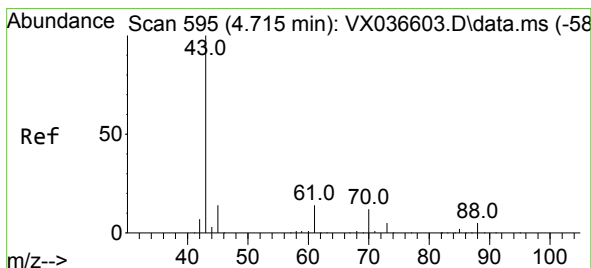
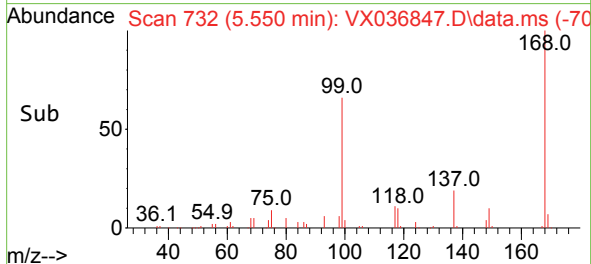
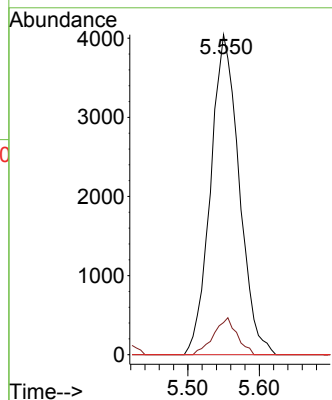
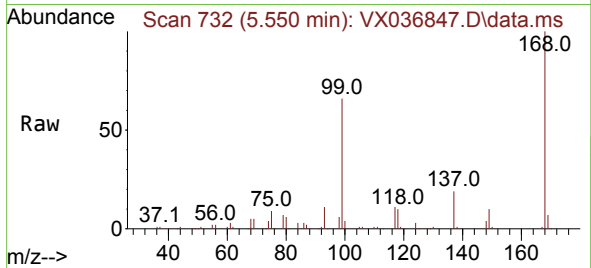




#36
1,1-Dichloropropene
Concen: 4.410 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

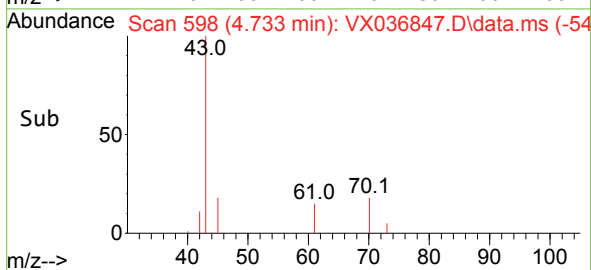
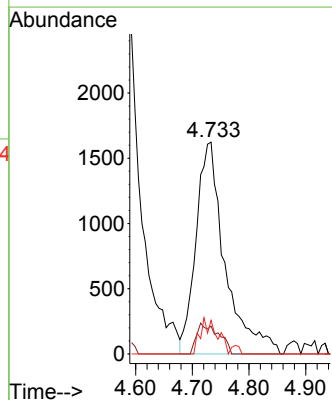
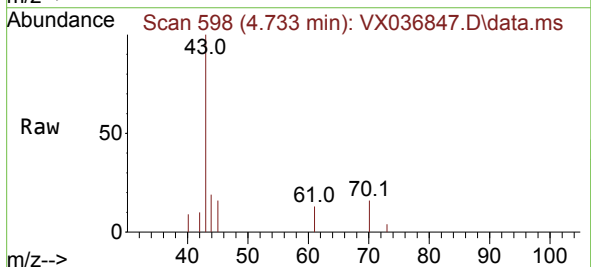
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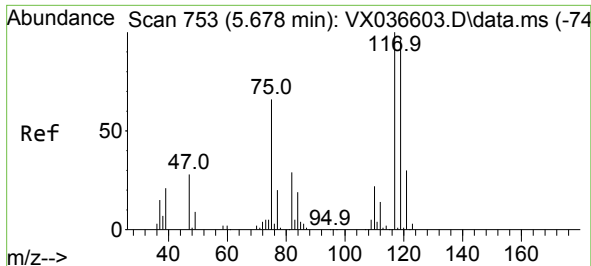
Tgt Ion: 75 Resp: 11231
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.006 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

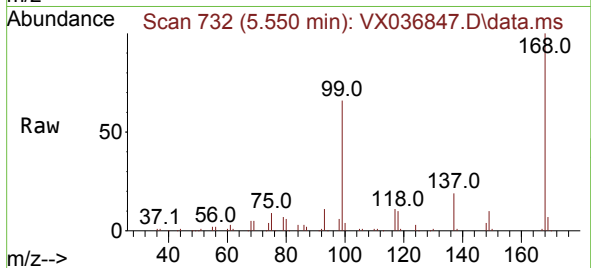
Tgt Ion: 43 Resp: 5781
Ion Ratio Lower Upper
43 100
61 10.9 10.6 16.0
70 9.6 8.3 12.5



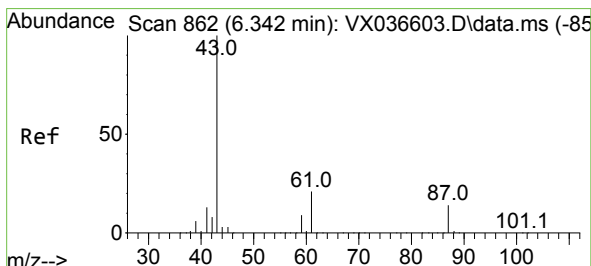
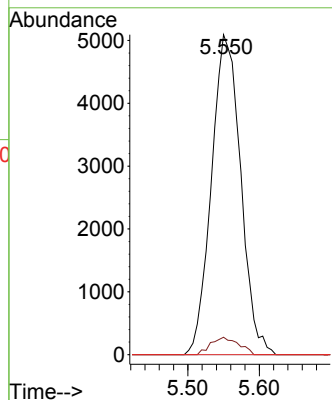
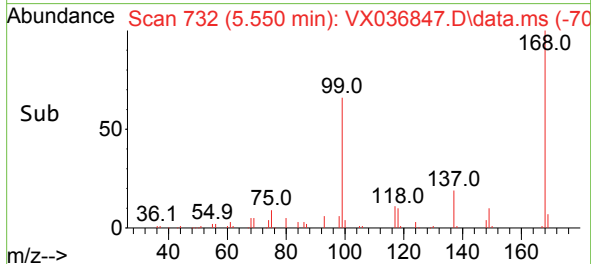


#38
Carbon Tetrachloride
Concen: 5.342 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP9

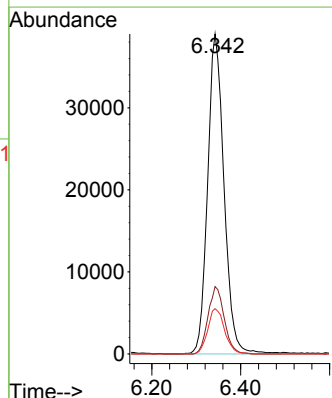
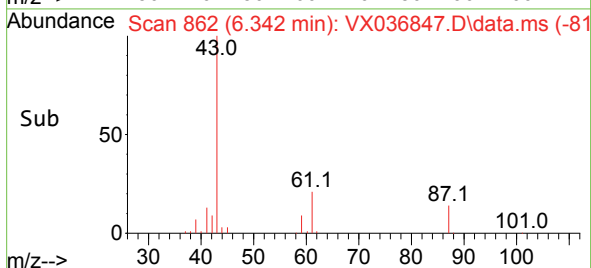
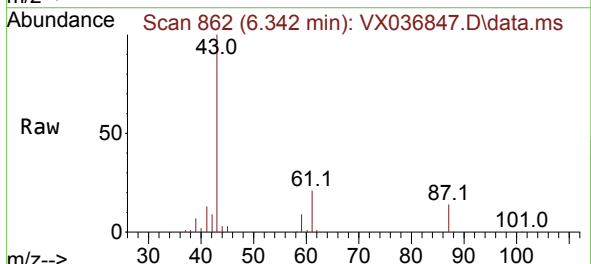


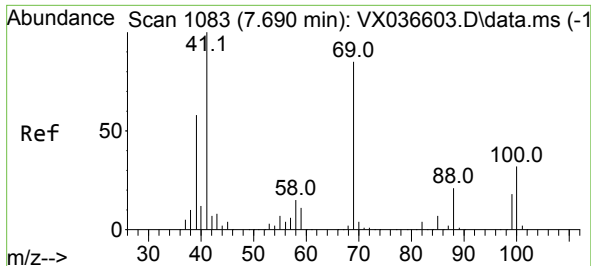
Tgt Ion:117 Resp: 14462
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.176 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 43 Resp: 100106
Ion Ratio Lower Upper
43 100
61 20.7 15.2 22.8
87 14.5 9.8 14.6





#48

Methyl methacrylate

Concen: 35.467 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036847.D

Acq: 07 Aug 2023 19:17

Instrument :

MSVOA_X

ClientSampleId :

MCLEAN-TP9

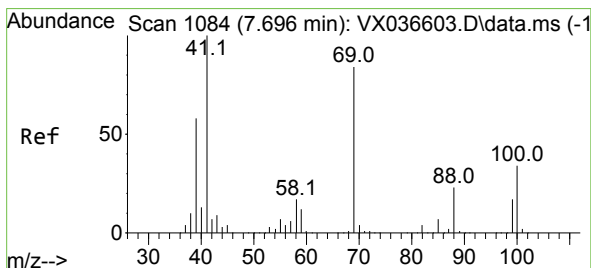
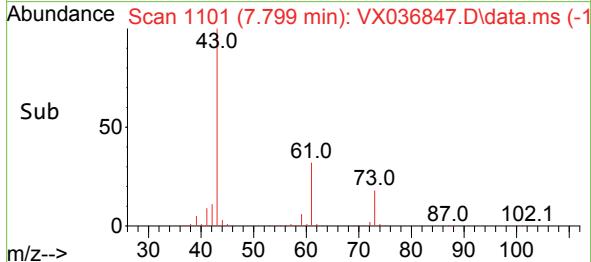
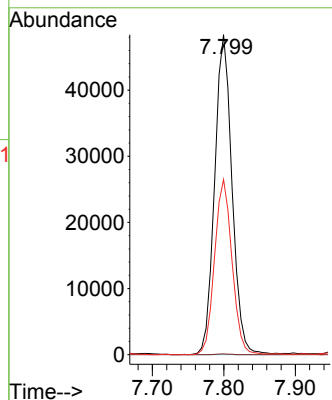
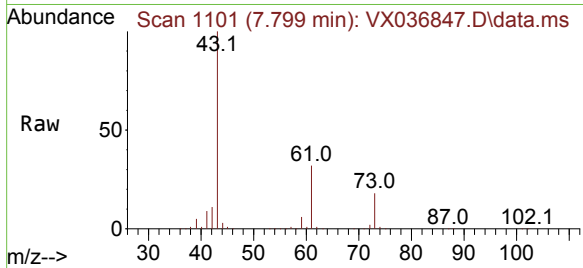
Tgt Ion: 41 Resp: 81840

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 54.9 47.7 71.5



#49

1,4-Dioxane

Concen: 1.802 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.098 min

Lab File: VX036847.D

Acq: 07 Aug 2023 19:17

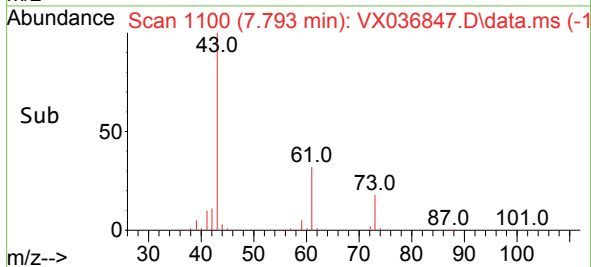
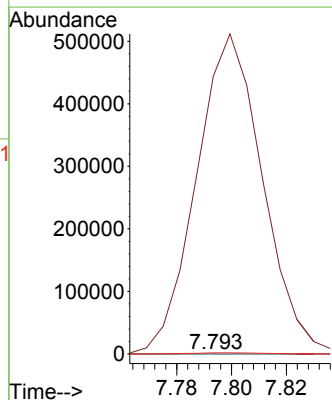
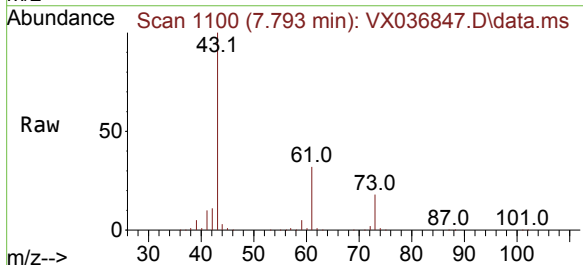
Tgt Ion: 88 Resp: 84

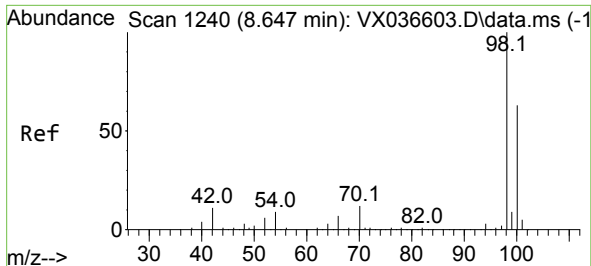
Ion Ratio Lower Upper

88 100

43 1032196.4 0.0 0.0#

58 4125.0 60.1 90.1#

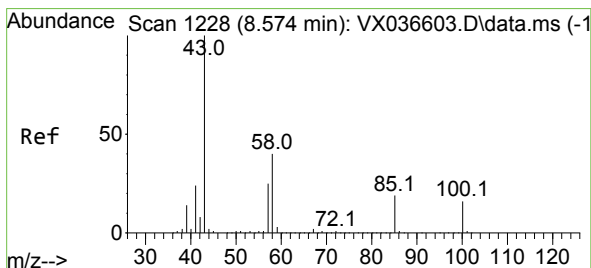
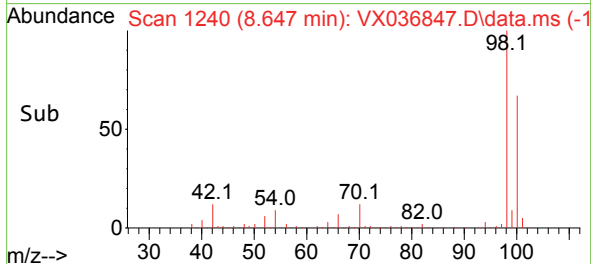
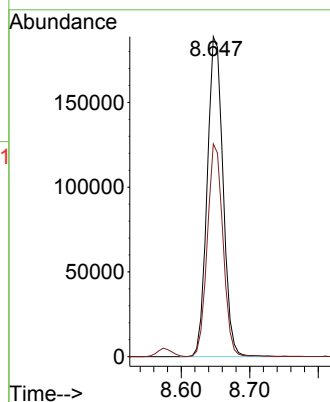
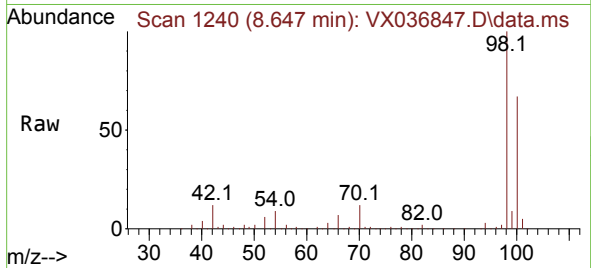




#50
Toluene-d8
Concen: 49.968 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

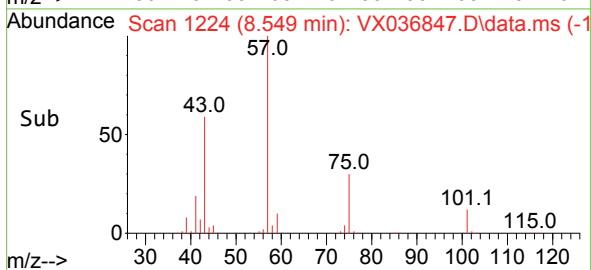
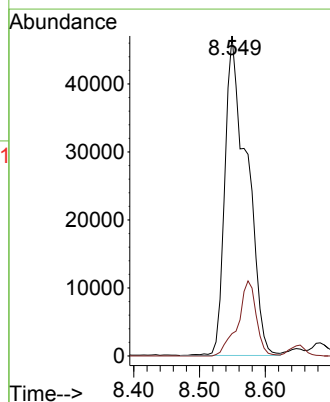
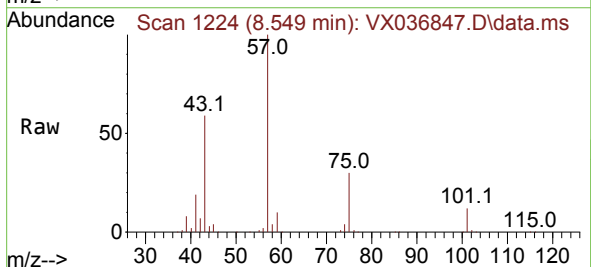
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP9

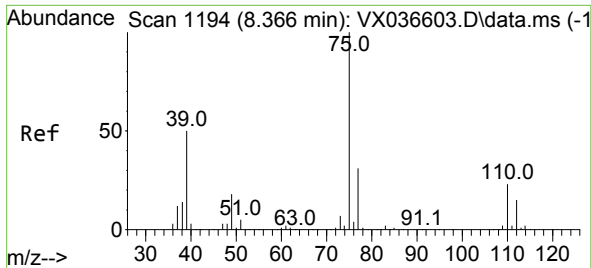
Tgt Ion: 98 Resp: 302756
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 40.066 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 43 Resp: 110011
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

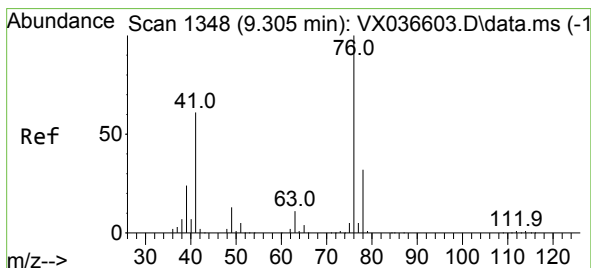
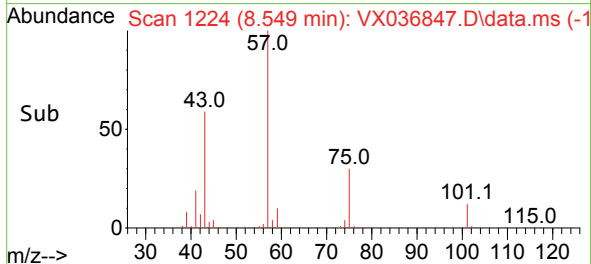
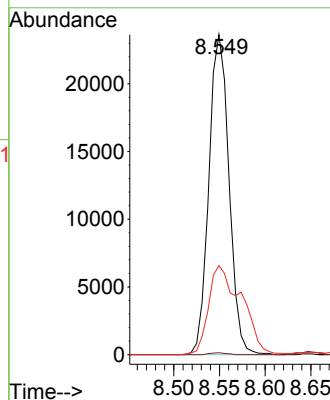
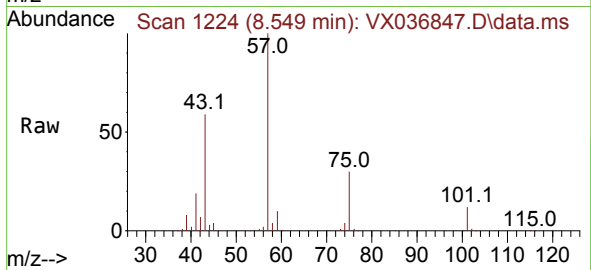




#54
 cis-1,3-Dichloropropene
 Concen: 10.649 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036847.D
 Acq: 07 Aug 2023 19:17

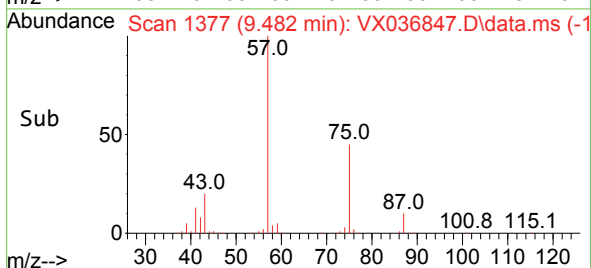
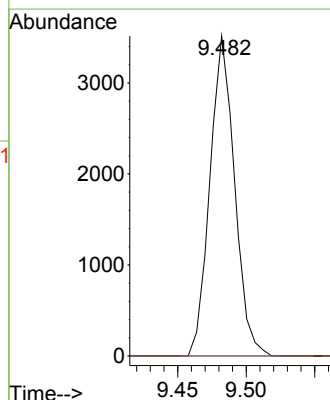
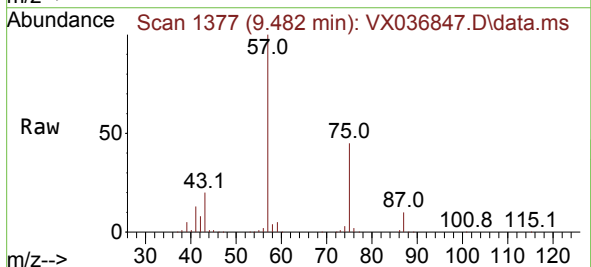
Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP9

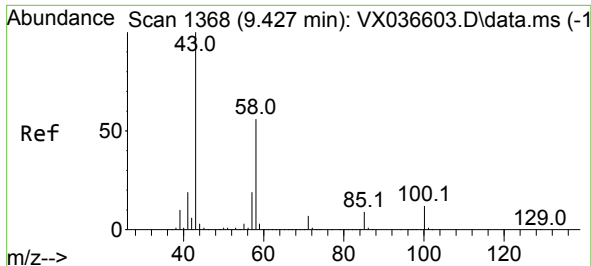
Tgt Ion: 75 Resp: 36093
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 27.8 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.354 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036847.D
 Acq: 07 Aug 2023 19:17

Tgt Ion: 76 Resp: 4402
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

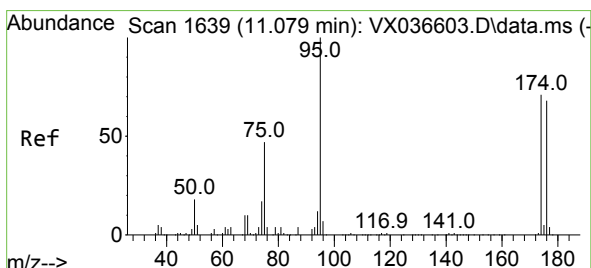
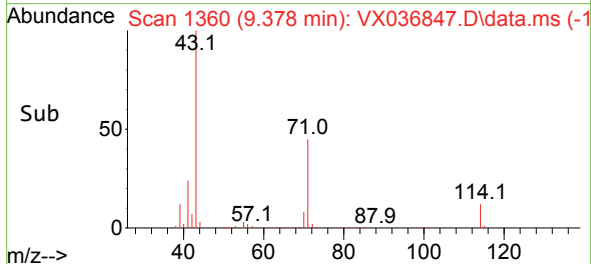
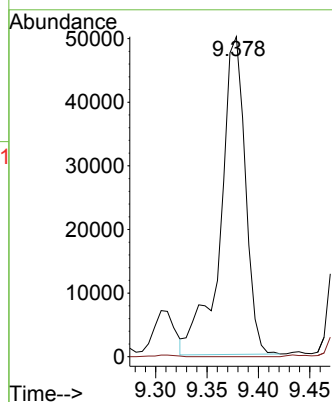
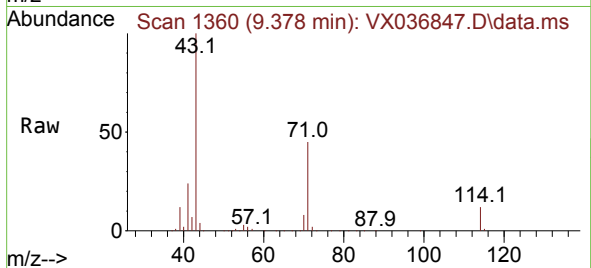




#59
2-Hexanone
Concen: 41.012 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

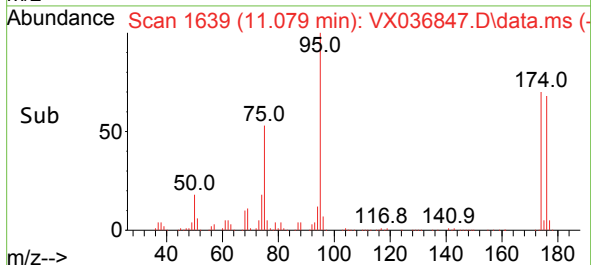
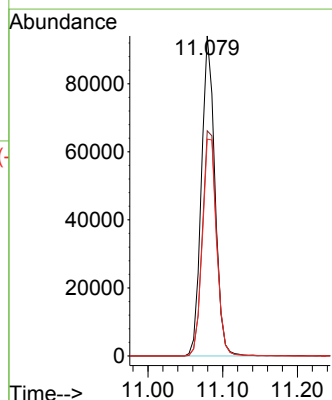
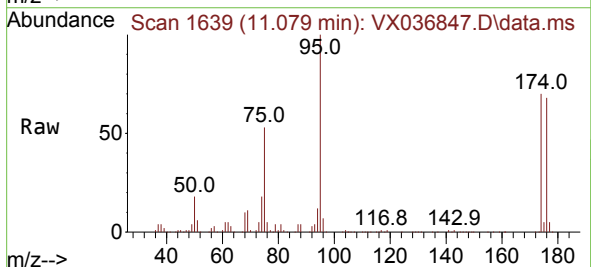
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP9

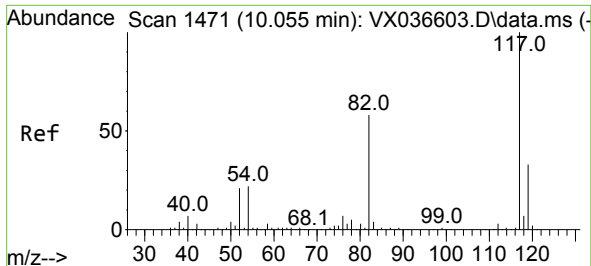
Tgt Ion: 43 Resp: 83574
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.552 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 95 Resp: 117846
Ion Ratio Lower Upper
95 100
174 74.2 0.0 135.6
176 71.8 0.0 131.0

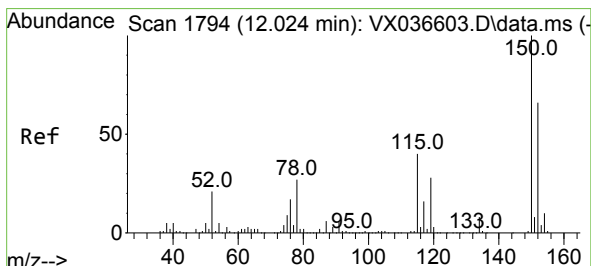
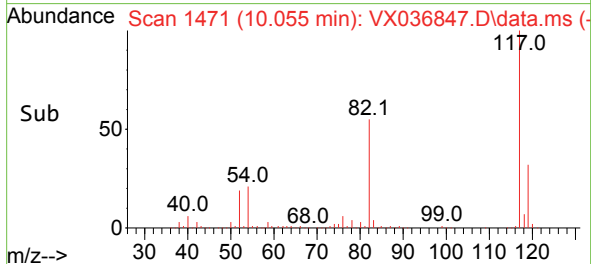
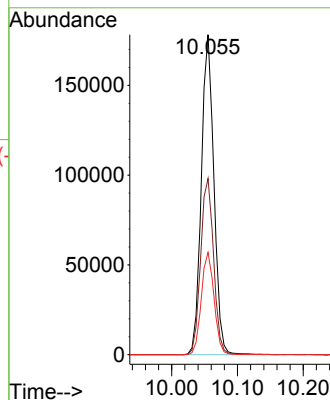
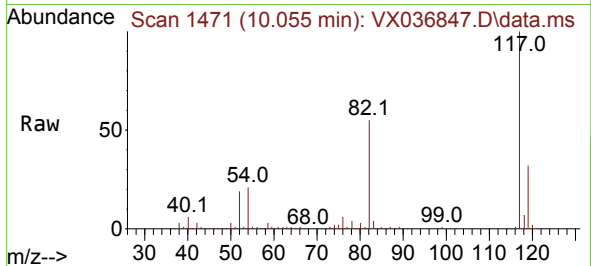




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

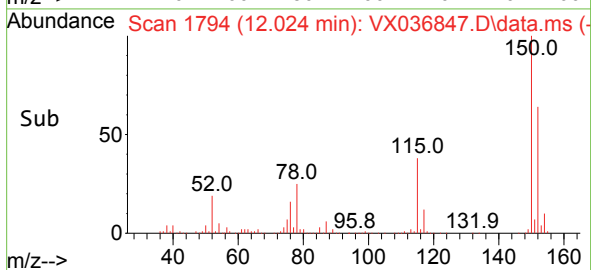
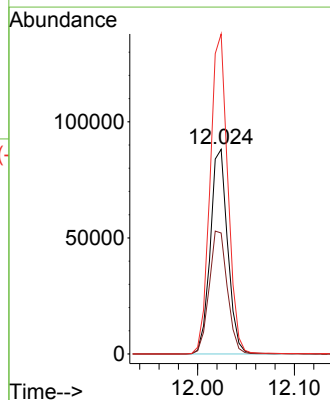
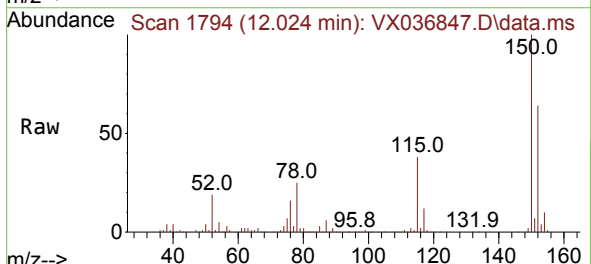
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP9

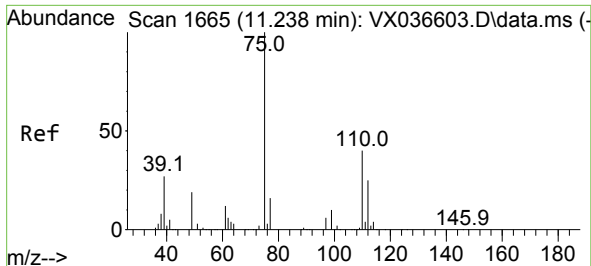
Tgt Ion:117 Resp: 237241
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion:152 Resp: 110455
Ion Ratio Lower Upper
152 100
115 62.6 43.3 129.9
150 159.4 0.0 345.0

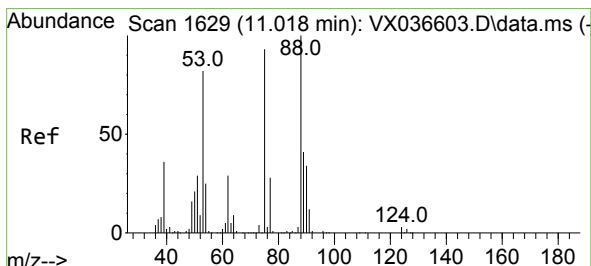
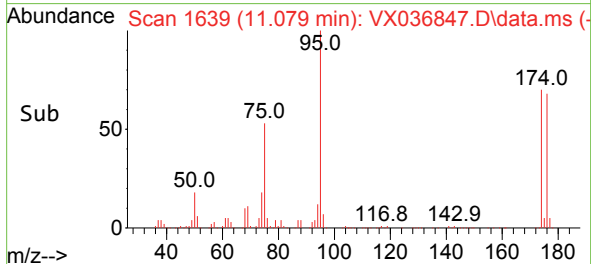
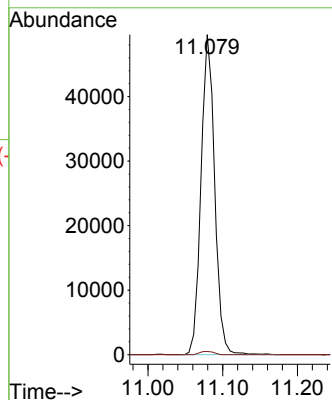
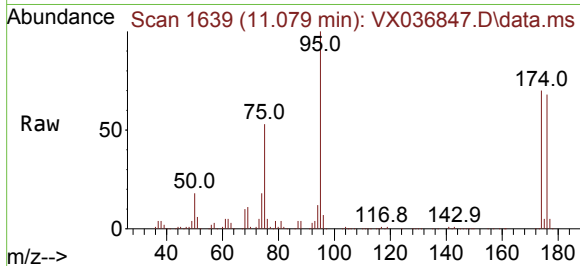




#76
1,2,3-Trichloropropane
Concen: 24.152 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP9

Tgt Ion: 75 Resp: 62748
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.742 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036847.D
Acq: 07 Aug 2023 19:17

Tgt Ion: 75 Resp: 62748
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

