

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036959.D
 Acq On : 14 Aug 2023 12:57
 Operator : JC/MD
 Sample : 03983-10 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 715

Quant Time: Aug 15 01:28:13 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)

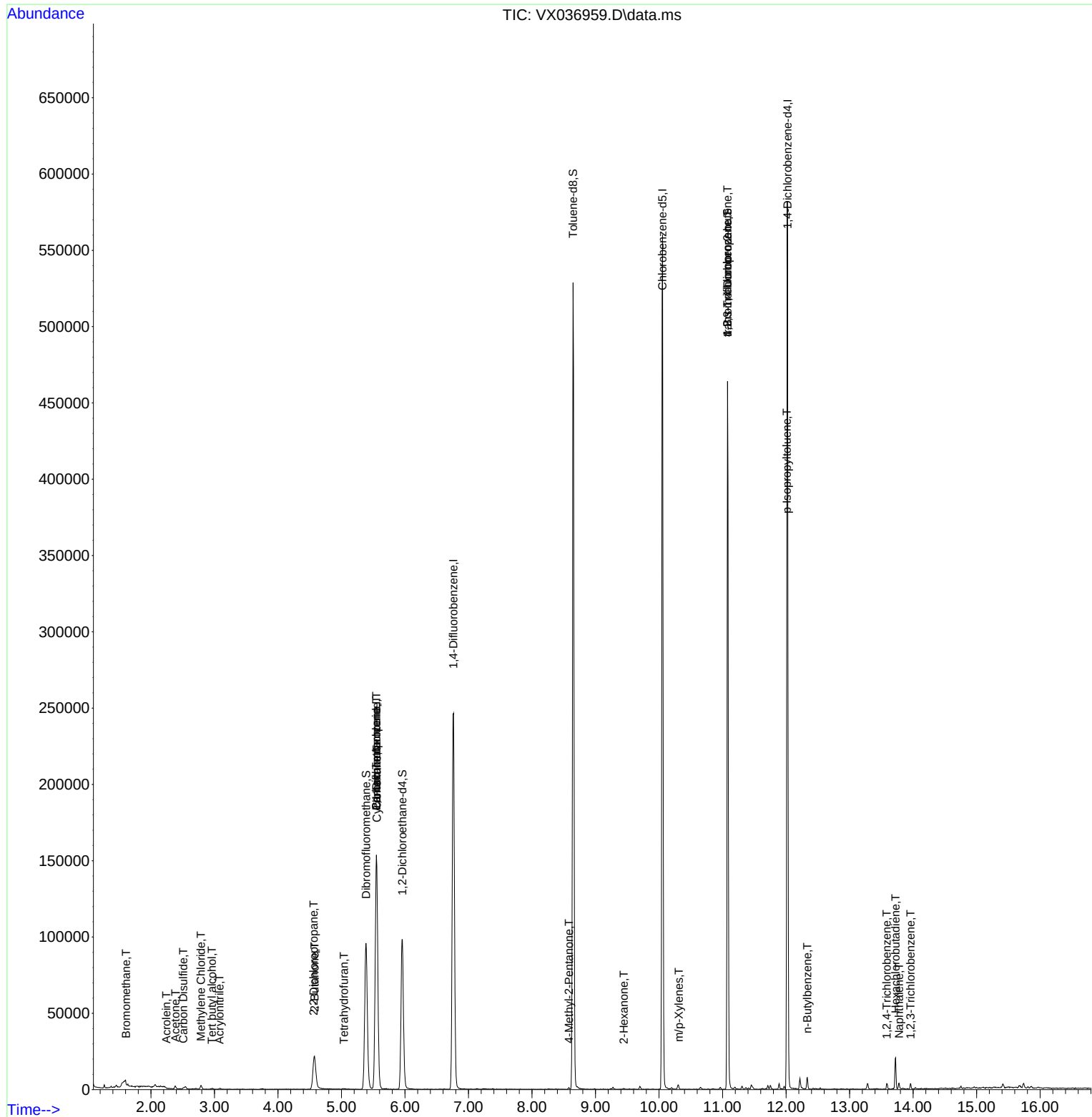
Internal Standards						
1) Pentafluorobenzene	5.550	168	140846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	261452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99614	47.799	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.600%
35) Dibromofluoromethane	5.385	113	83283	46.344	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.680%
50) Toluene-d8	8.647	98	316803	49.711	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.420%
62) 4-Bromofluorobenzene	11.079	95	125416	52.162	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.320%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	220	0.214	ug/l #	77
11) Tert butyl alcohol	2.959	59	524	1.062	ug/l #	78
13) Acrolein	2.239	56	202	0.717	ug/l #	47
15) Acrylonitrile	3.081	53	256	0.258	ug/l #	75
16) Acetone	2.386	43	2279	2.635	ug/l #	84
17) Carbon Disulfide	2.508	76	1106	0.254	ug/l	100
20) Methylene Chloride	2.788	84	1271	0.661	ug/l #	80
25) 2-Butanone	4.574	43	1726	1.230	ug/l #	78
26) 2,2-Dichloropropane	4.562	77	1763	0.566	ug/l #	54
29) Tetrahydrofuran	5.038	42	230	0.254	ug/l #	57
31) Cyclohexane	5.556	56	3313	1.148	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12229	4.566	ug/l #	49
38) Carbon Tetrachloride	5.550	117	15192	5.335	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	665	0.230	ug/l #	84
59) 2-Hexanone	9.445	43	456	0.213	ug/l	78
68) m/p-Xylenes	10.311	106	815	0.215	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	65641	23.645	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65641	53.593	ug/l #	5
86) p-Isopropyltoluene	12.012	119	1736	0.211	ug/l #	70
89) n-Butylbenzene	12.335	91	2933	0.398	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	1119	0.457	ug/l	98
94) Hexachlorobutadiene	13.725	225	2730	2.694	ug/l	99
95) Naphthalene	13.780	128	2859	0.335	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1069	0.443	ug/l	97

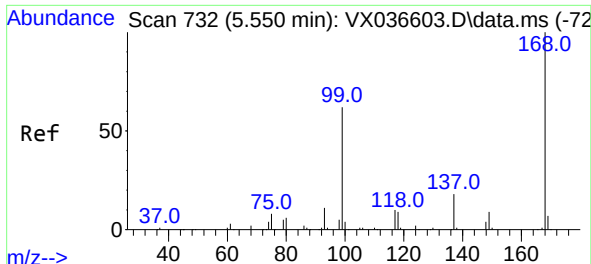
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
Data File : VX036959.D
Acq On : 14 Aug 2023 12:57
Operator : JC/MD
Sample : 03983-10 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
715

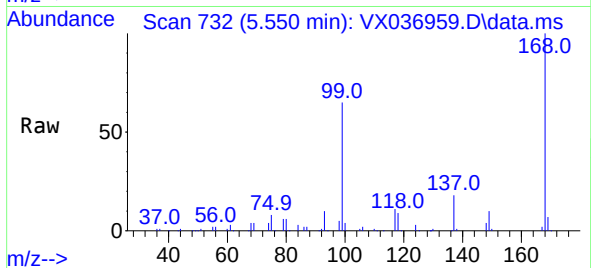
Quant Time: Aug 15 01:28:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



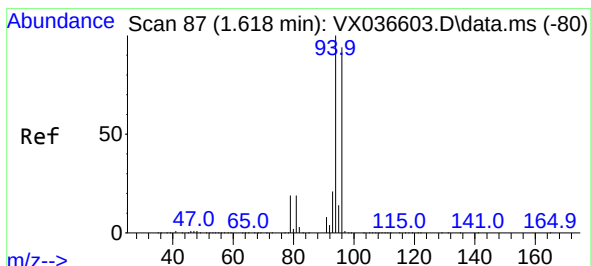
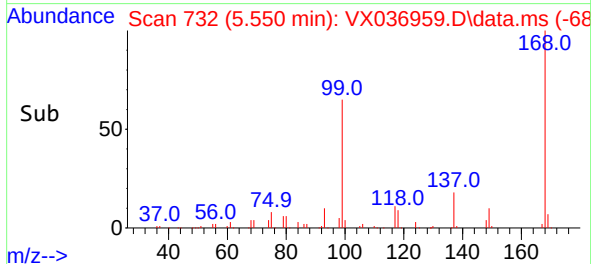
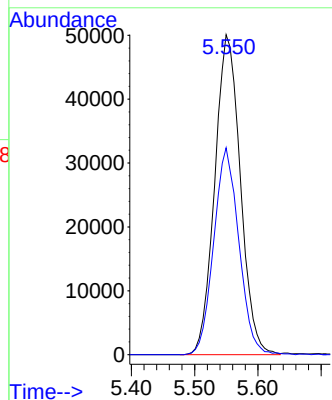


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 715
Delta R.T. -0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Instrument :
MSVOA_X
ClientSampleId :
715

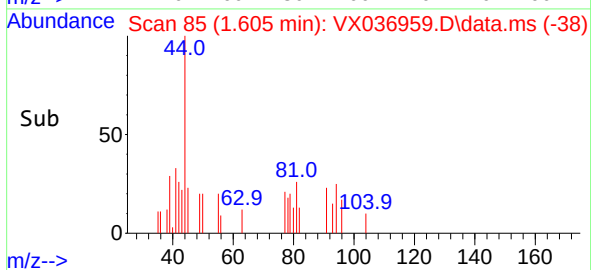
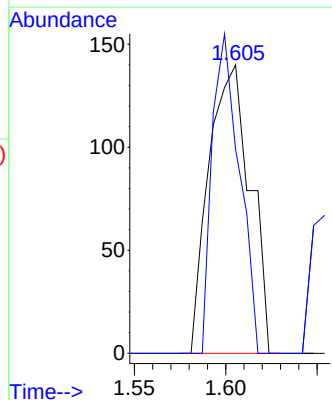
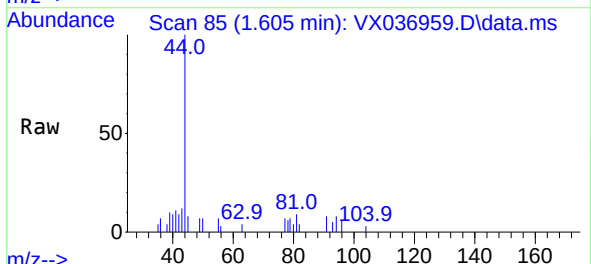


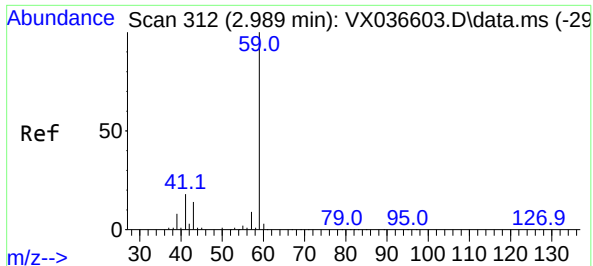
Tgt Ion:168 Resp: 140846
Ion Ratio Lower Upper
168 100
99 64.7 56.6 85.0



#5
Bromomethane
Concen: 0.214 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.012 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion: 94 Resp: 220
Ion Ratio Lower Upper
94 100
96 70.7 74.6 111.8





#11

Tert butyl alcohol

Concen: 1.062 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.030 min

Lab File: VX036959.D

Acq: 14 Aug 2023 12:57

Instrument :

MSVOA_X

ClientSampleId :

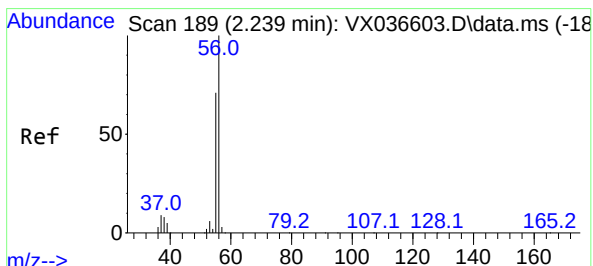
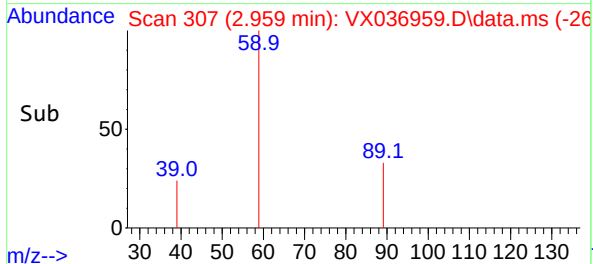
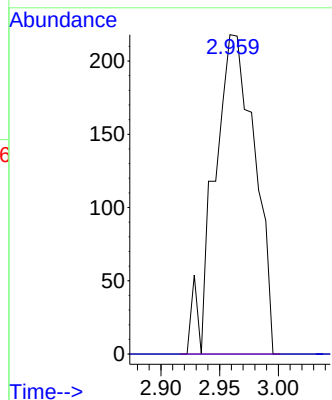
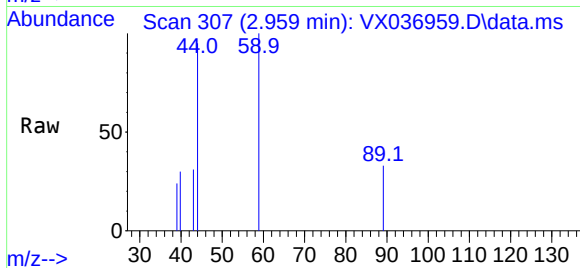
715

Tgt Ion: 59 Resp: 524

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.717 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX036959.D

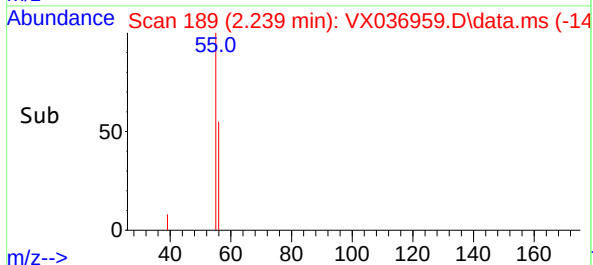
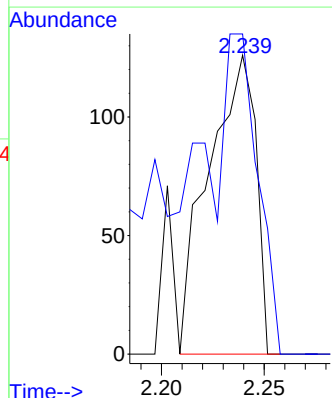
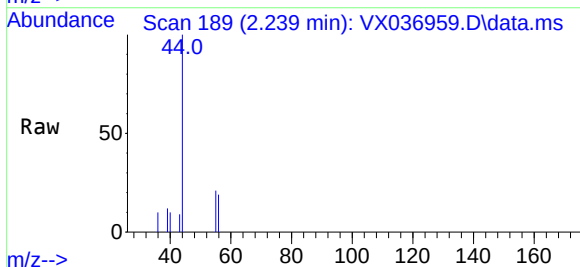
Acq: 14 Aug 2023 12:57

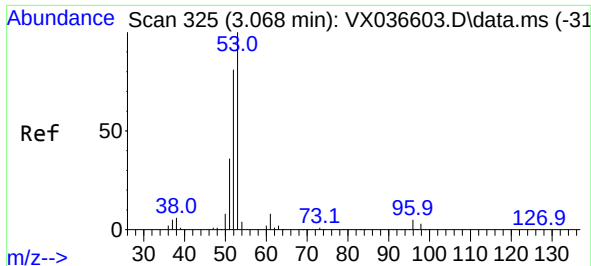
Tgt Ion: 56 Resp: 202

Ion Ratio Lower Upper

56 100

55 115.3 57.1 85.7#

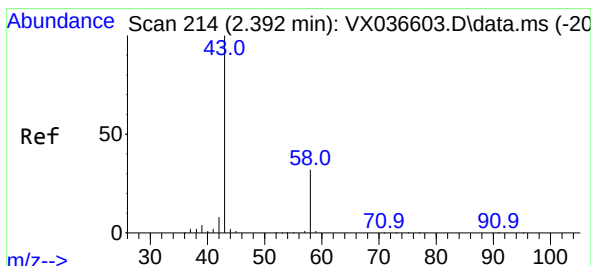
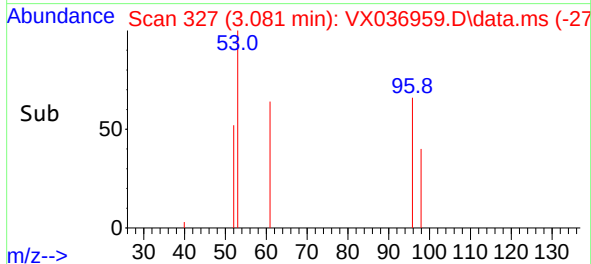
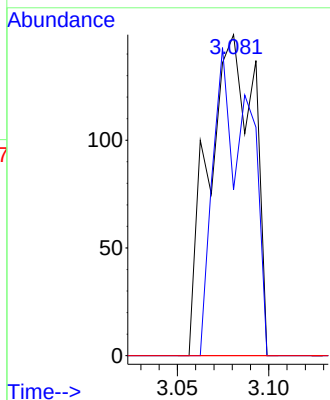
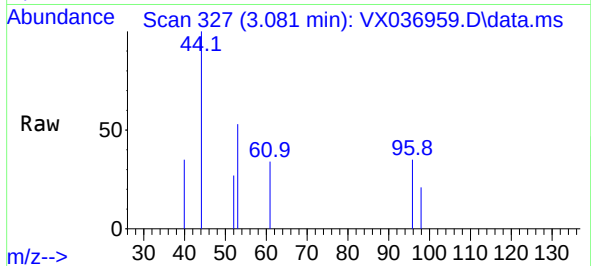




#15
Acrylonitrile
Concen: 0.258 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

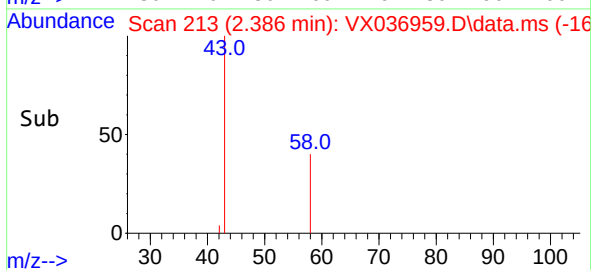
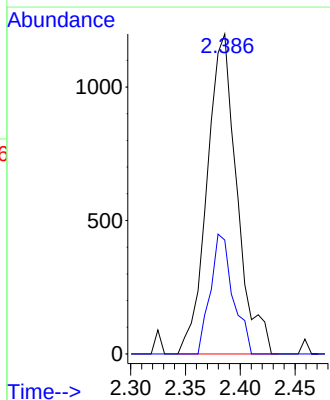
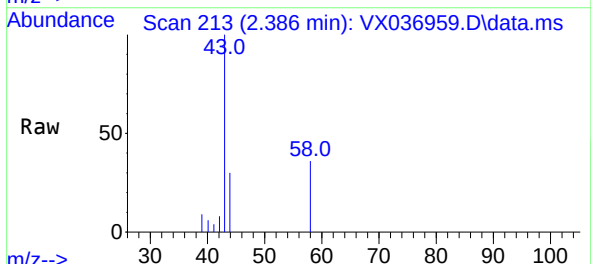
Instrument :
MSVOA_X
ClientSampleId :
715

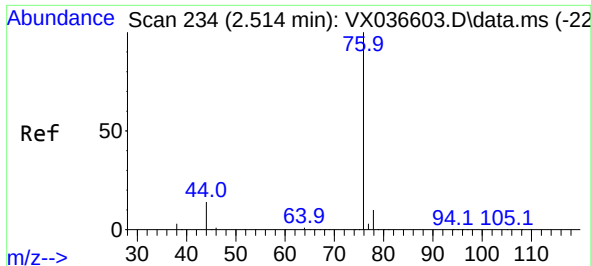
Tgt Ion: 53 Resp: 256
Ion Ratio Lower Upper
53 100
52 75.4 66.0 99.0
51 0.0 29.8 44.6#



#16
Acetone
Concen: 2.635 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion: 43 Resp: 2279
Ion Ratio Lower Upper
43 100
58 35.6 21.9 32.9#

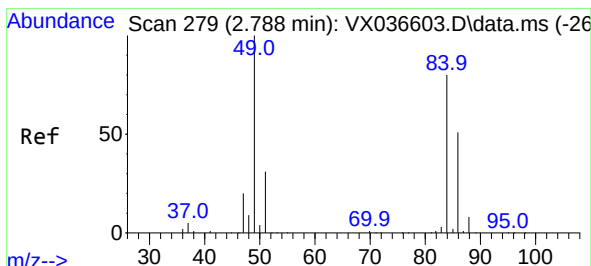
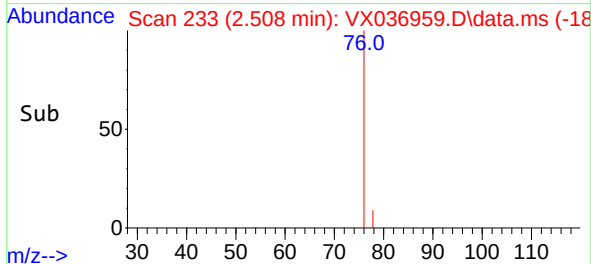
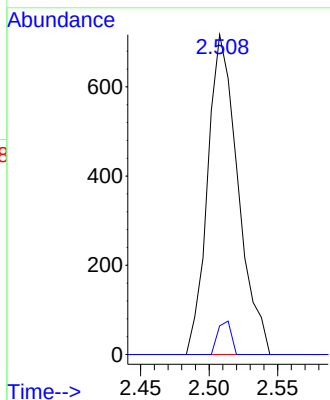
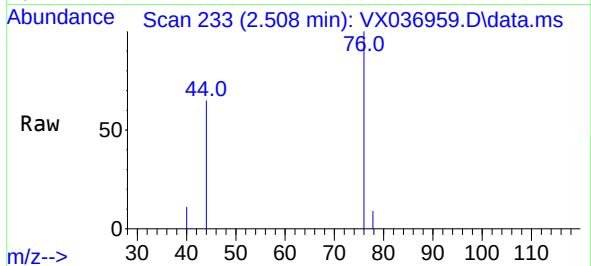




#17
Carbon Disulfide
Concen: 0.254 ug/l
RT: 2.508 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

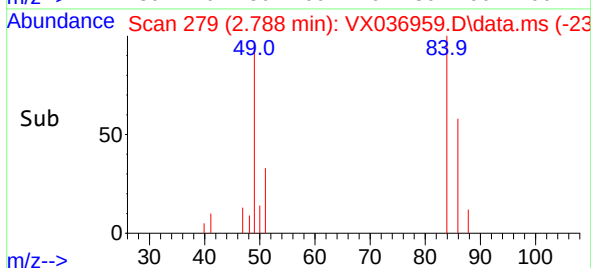
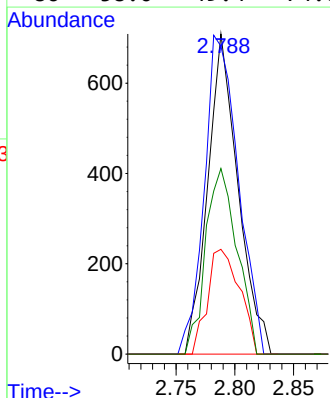
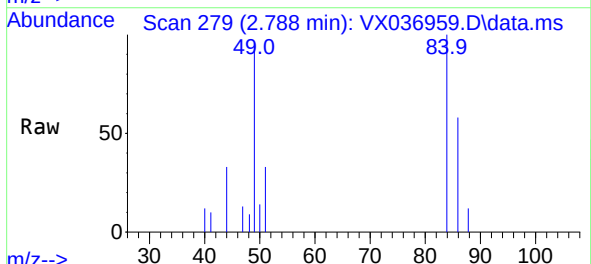
Instrument :
MSVOA_X
ClientSampleId :
715

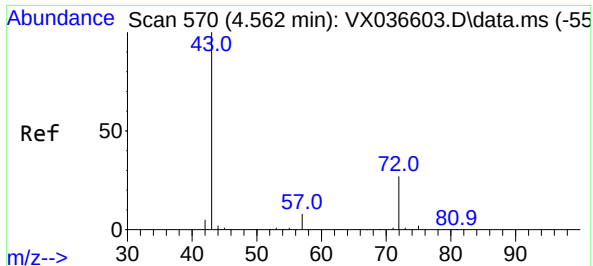
Tgt Ion: 76 Resp: 1106
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#20
Methylene Chloride
Concen: 0.661 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion: 84 Resp: 1271
Ion Ratio Lower Upper
84 100
49 96.2 103.6 155.4#
51 32.7 33.8 50.6#
86 58.0 49.4 74.0

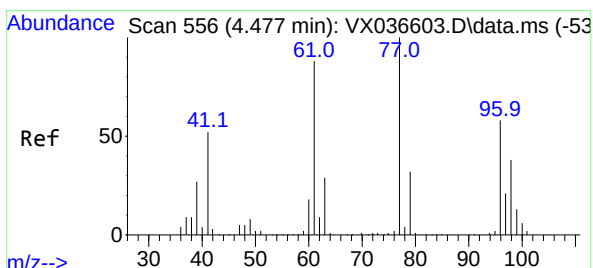
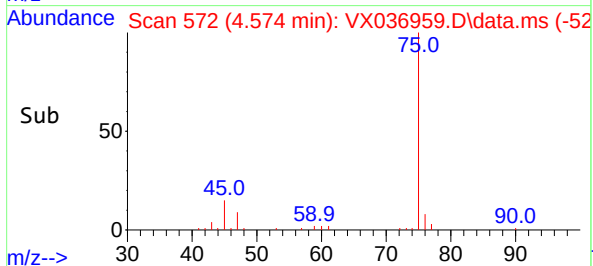
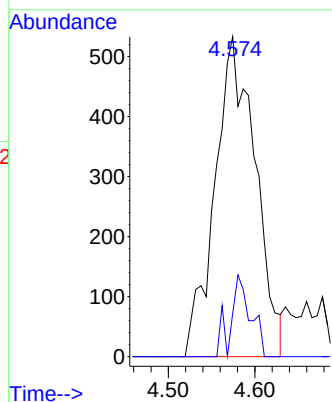
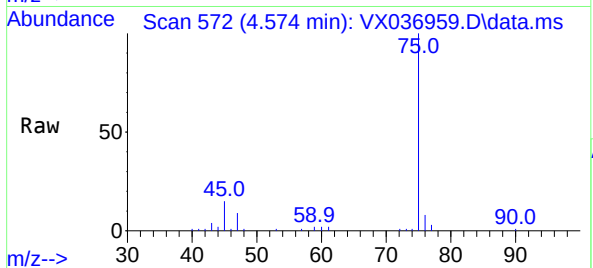




#25
2-Butanone
Concen: 1.230 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

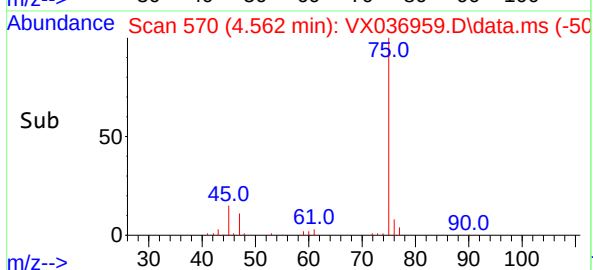
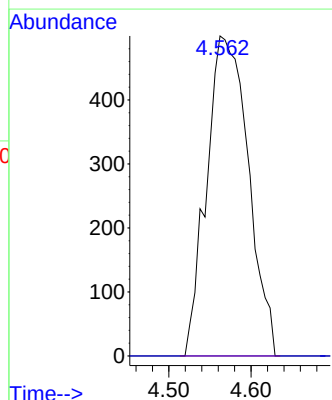
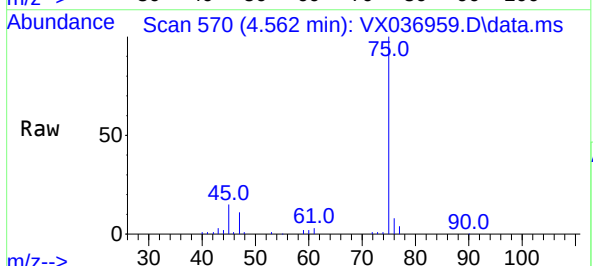
Instrument :
MSVOA_X
ClientSampleId :
715

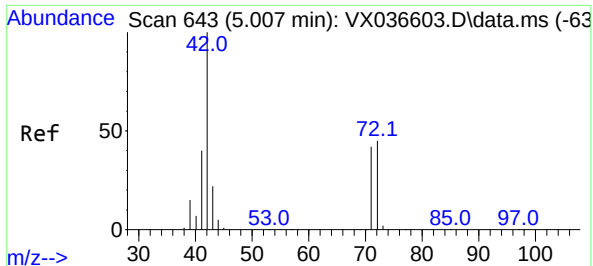
Tgt Ion: 43 Resp: 1726
Ion Ratio Lower Upper
43 100
72 13.5 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.566 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.085 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion: 77 Resp: 1763
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX036959.D

Acq: 14 Aug 2023 12:57

Instrument :

MSVOA_X

ClientSampleId :

715

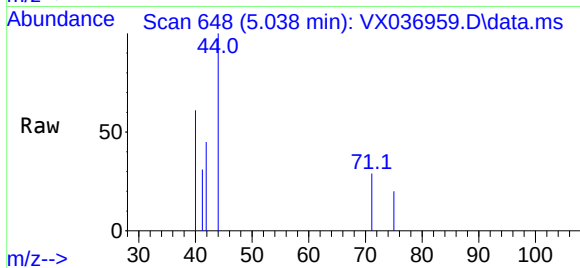
Tgt Ion: 42 Resp: 230

Ion Ratio Lower Upper

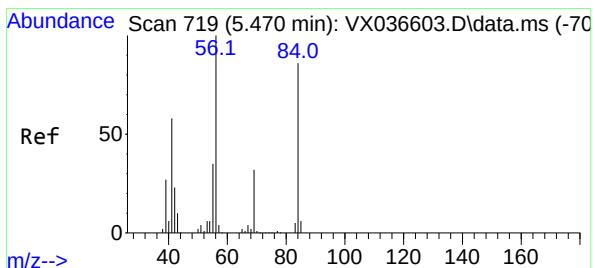
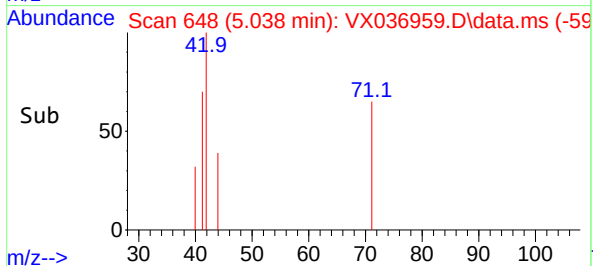
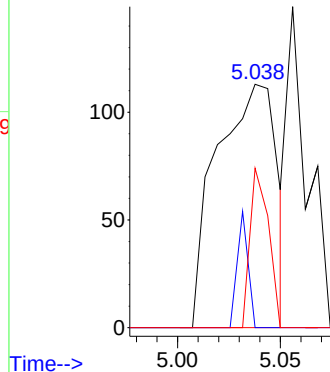
42 100

72 8.7 34.2 51.4#

71 20.0 32.2 48.2#



Abundance



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX036959.D

Acq: 14 Aug 2023 12:57

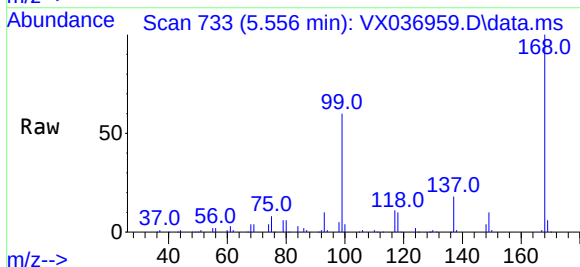
Tgt Ion: 56 Resp: 3313

Ion Ratio Lower Upper

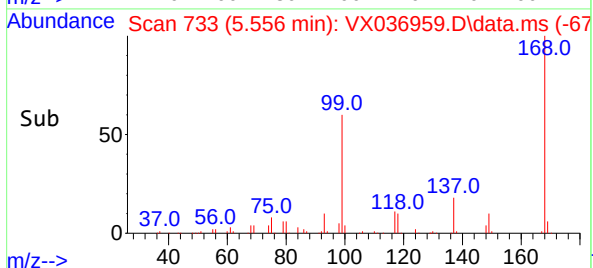
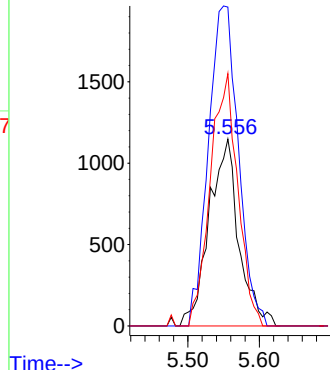
56 100

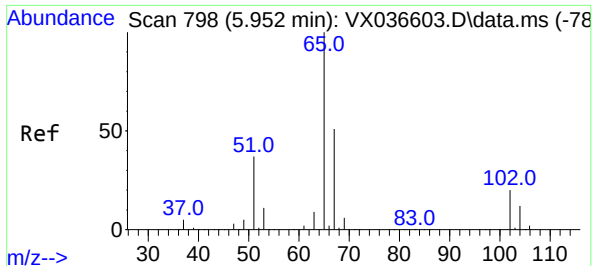
69 170.6 23.4 35.2#

84 135.0 65.9 98.9#



Abundance





#33

1,2-Dichloroethane-d4

Concen: 47.799 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036959.D

Acq: 14 Aug 2023 12:57

Instrument :

MSVOA_X

ClientSampleId :

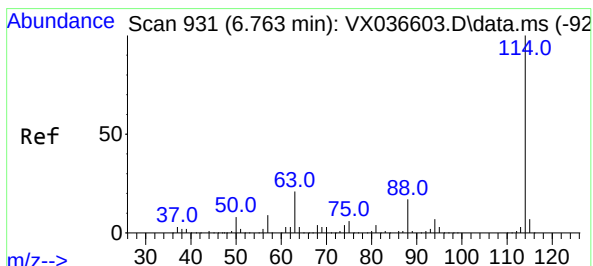
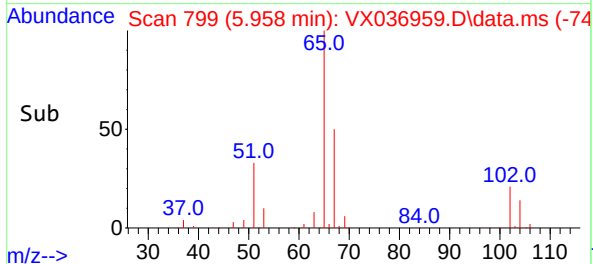
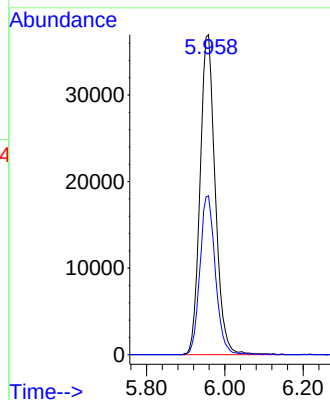
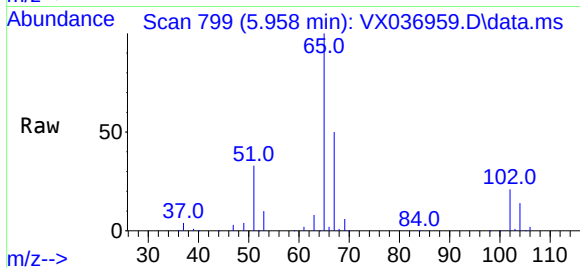
715

Tgt Ion: 65 Resp: 99614

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036959.D

Acq: 14 Aug 2023 12:57

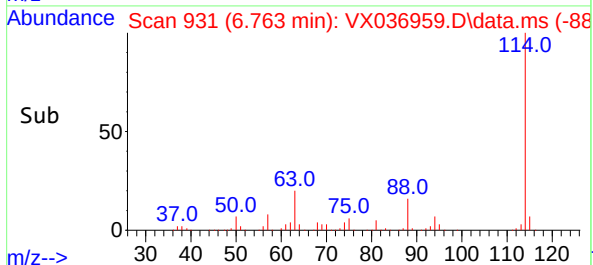
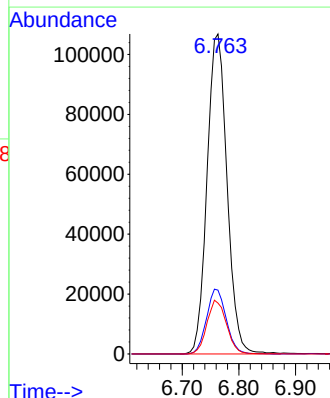
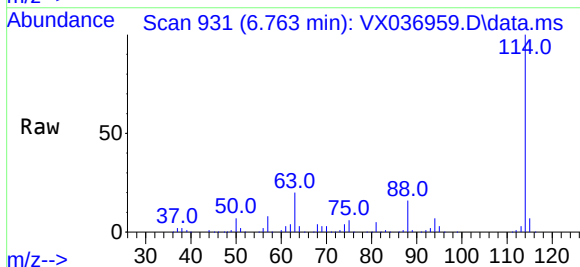
Tgt Ion: 114 Resp: 261452

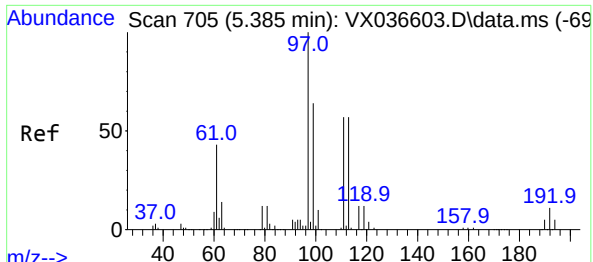
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

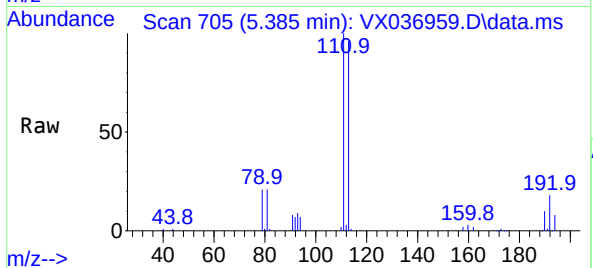
88 15.9 0.0 36.6



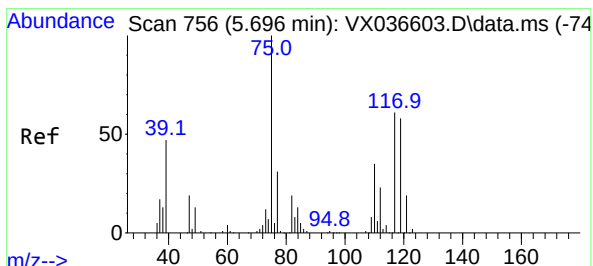
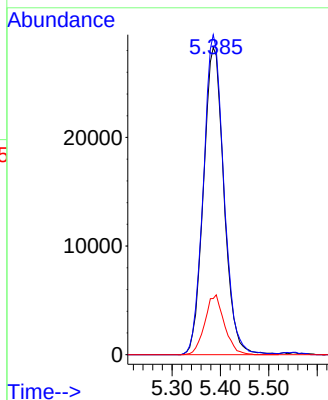
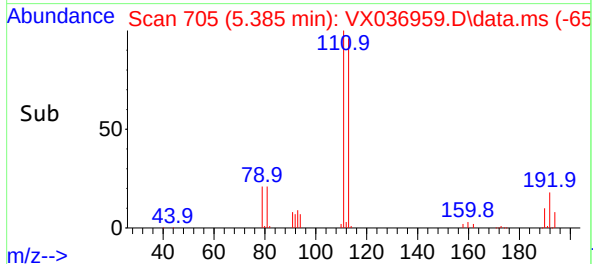


#35
Dibromofluoromethane
Concen: 46.344 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Instrument :
MSVOA_X
ClientSampleId :
715

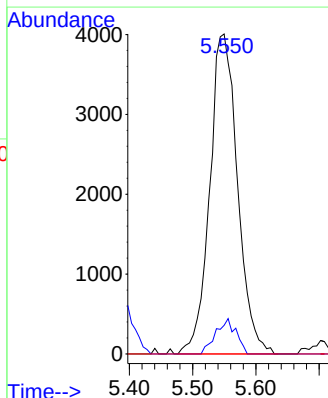
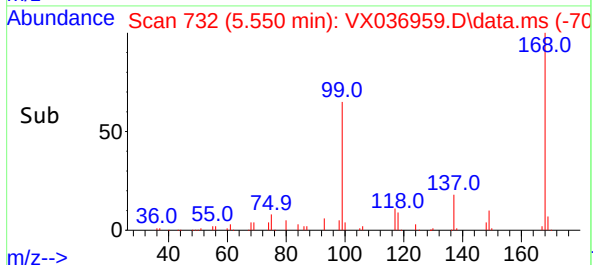
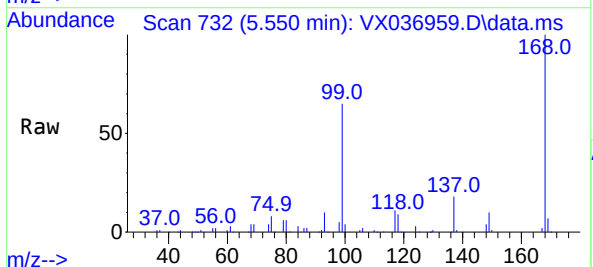


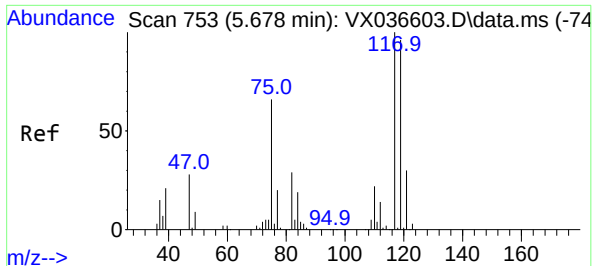
Tgt Ion:113 Resp: 83283
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

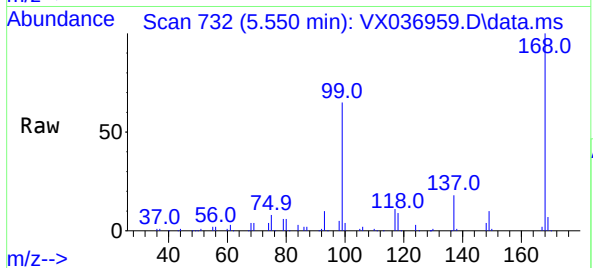
Tgt Ion: 75 Resp: 12229
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



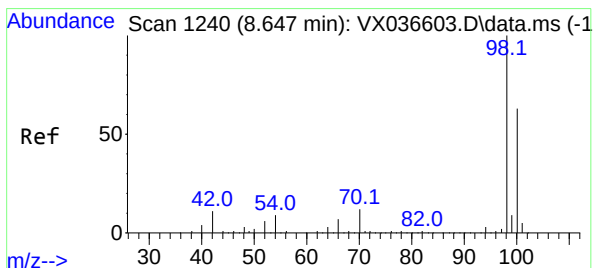
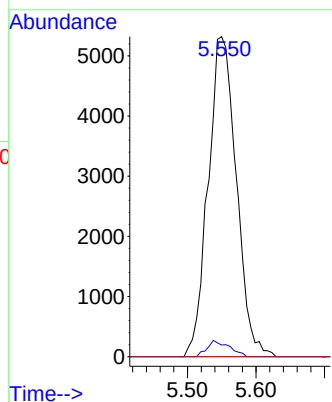
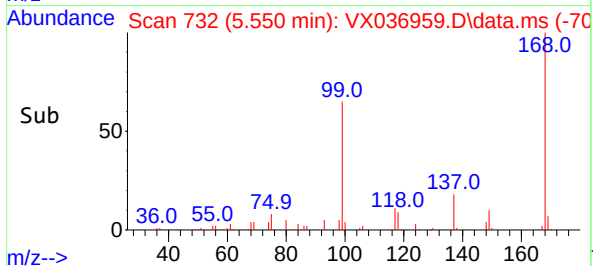


#38
Carbon Tetrachloride
Concen: 5.335 ug/l
RT: 5.550 min Scan# 715
Delta R.T. -0.128 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Instrument :
MSVOA_X
ClientSampleId :
715

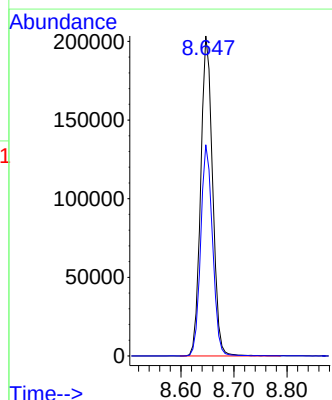
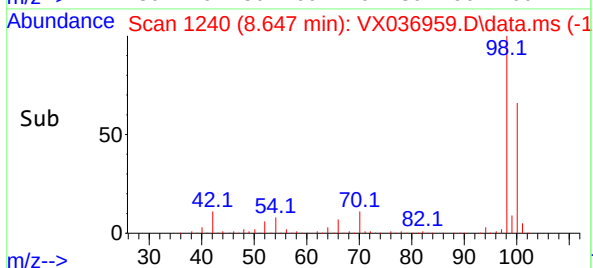
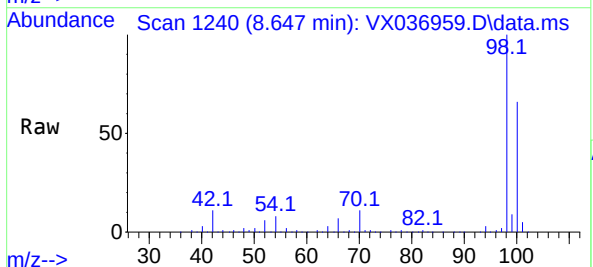


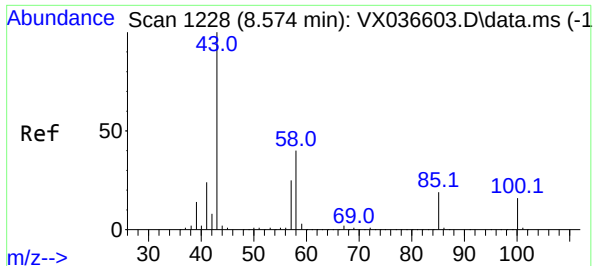
Tgt Ion:117 Resp: 15192
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.711 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion: 98 Resp: 316803
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.230 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX036959.D

Acq: 14 Aug 2023 12:57

Instrument :

MSVOA_X

ClientSampleId :

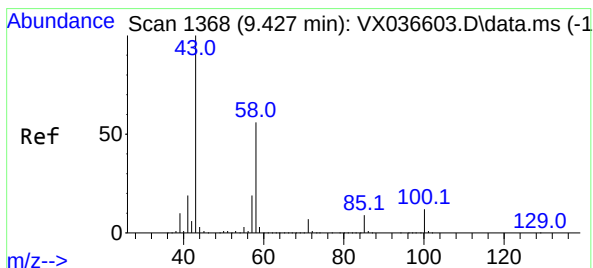
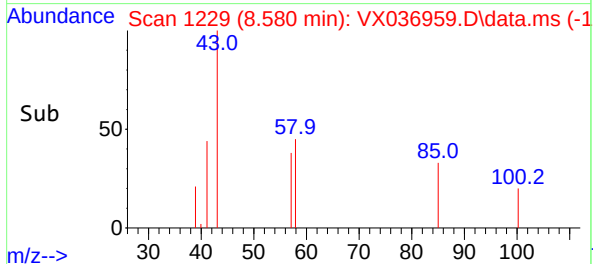
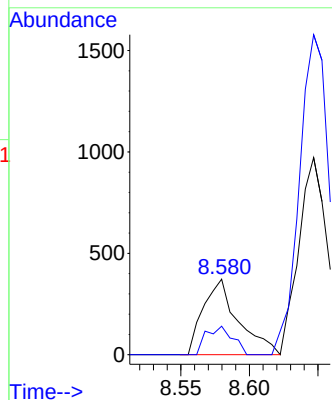
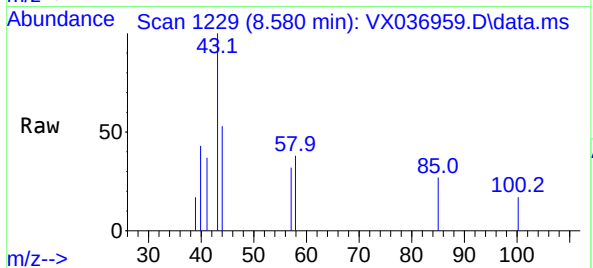
715

Tgt Ion: 43 Resp: 665

Ion Ratio Lower Upper

43 100

58 28.3 30.4 45.6#



#59

2-Hexanone

Concen: 0.213 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.018 min

Lab File: VX036959.D

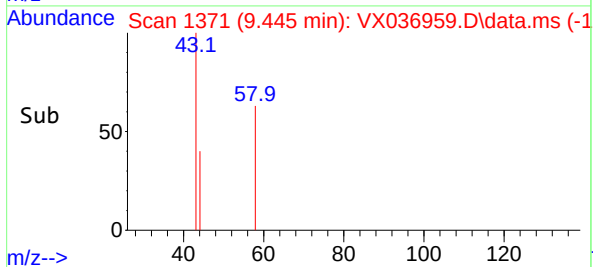
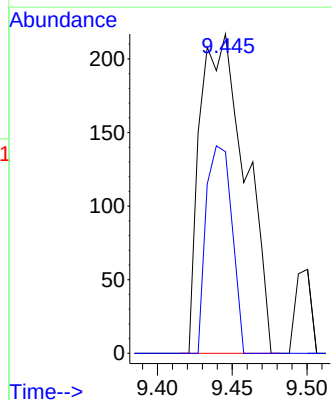
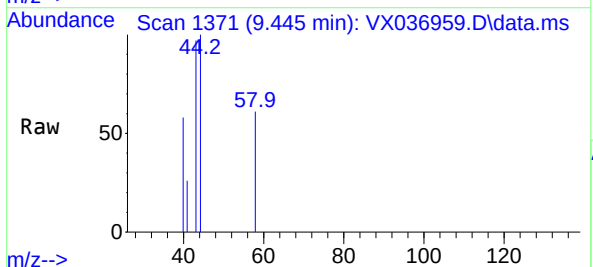
Acq: 14 Aug 2023 12:57

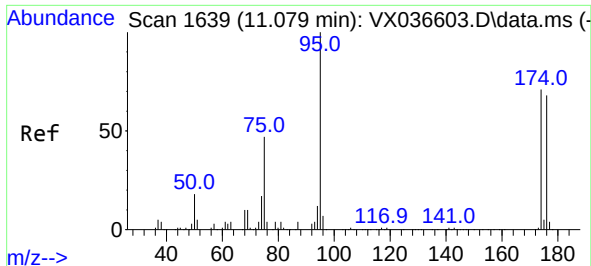
Tgt Ion: 43 Resp: 456

Ion Ratio Lower Upper

43 100

58 37.1 26.2 78.5

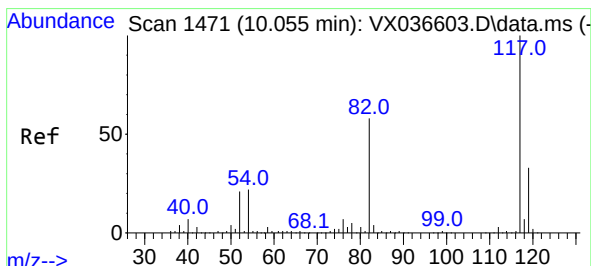
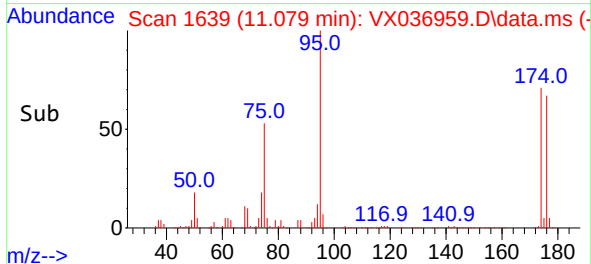
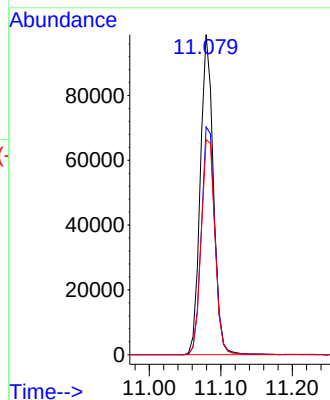
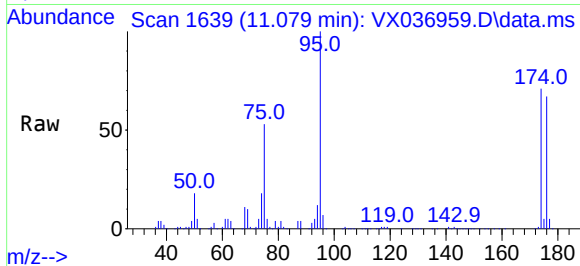




#62
4-Bromofluorobenzene
Concen: 52.162 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

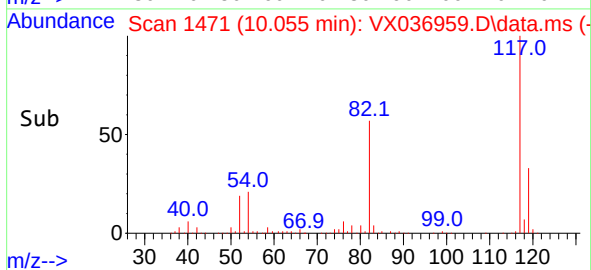
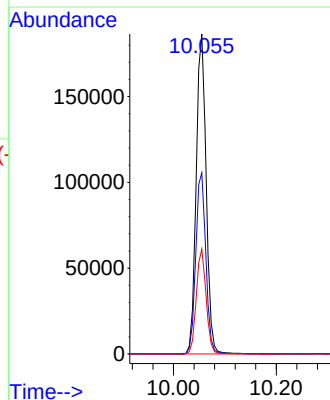
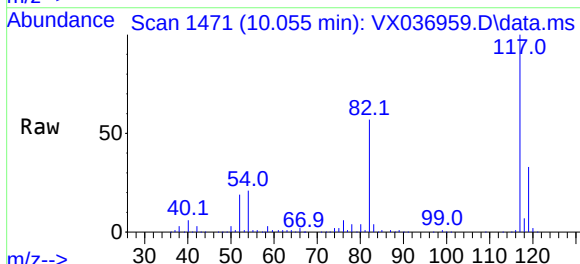
Instrument :
MSVOA_X
ClientSampleId :
715

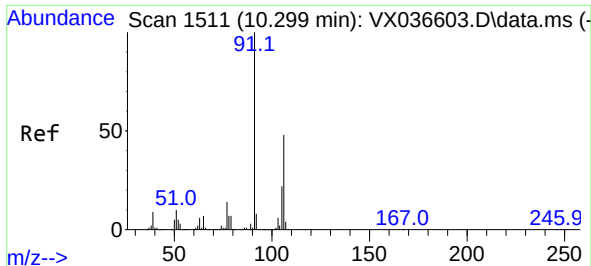
Tgt Ion: 95 Resp: 125416
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 71.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion: 117 Resp: 252353
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.8 25.5 38.3

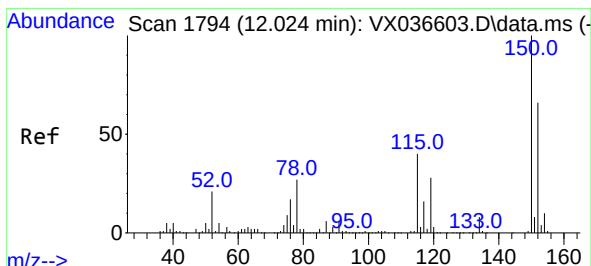
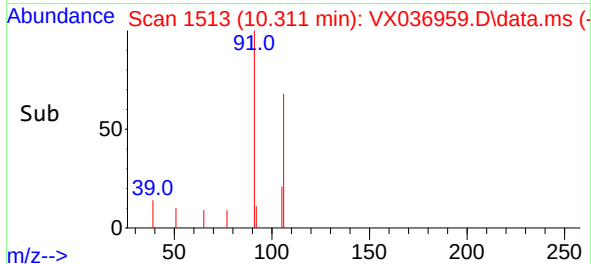
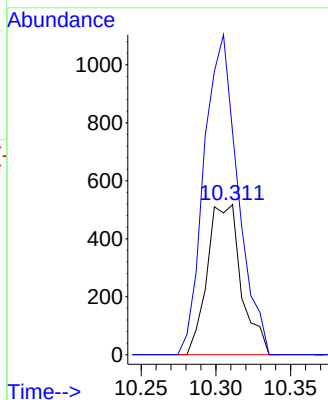
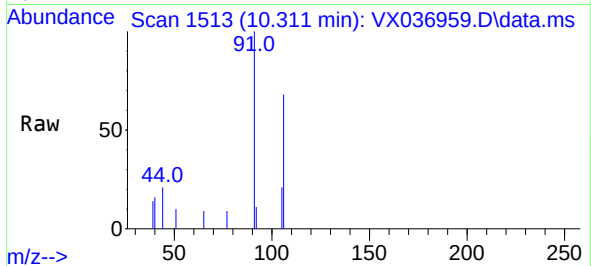




#68
m/p-Xylenes
Concen: 0.215 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

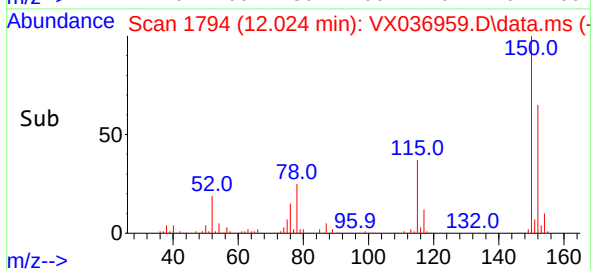
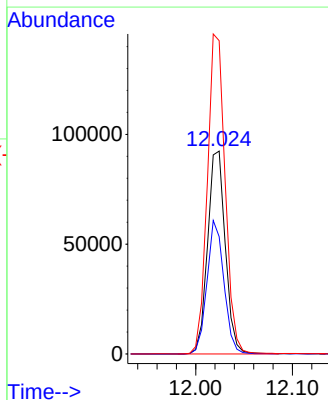
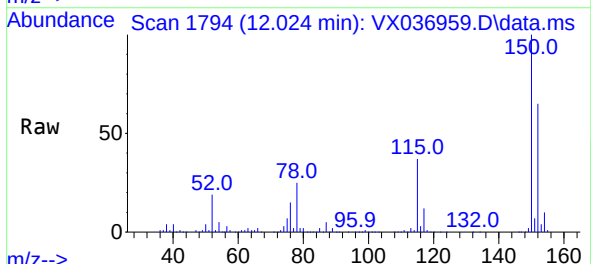
Instrument :
MSVOA_X
ClientSampleId :
715

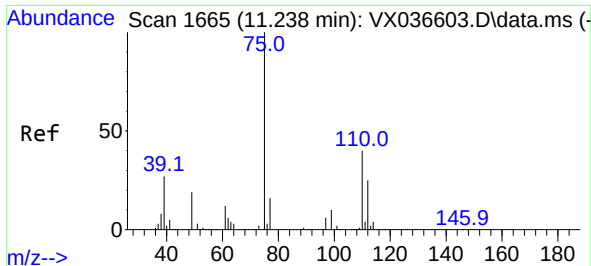
Tgt Ion:106 Resp: 815
Ion Ratio Lower Upper
106 100
91 213.1 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion:152 Resp: 118025
Ion Ratio Lower Upper
152 100
115 62.8 43.3 129.9
150 158.3 0.0 345.0

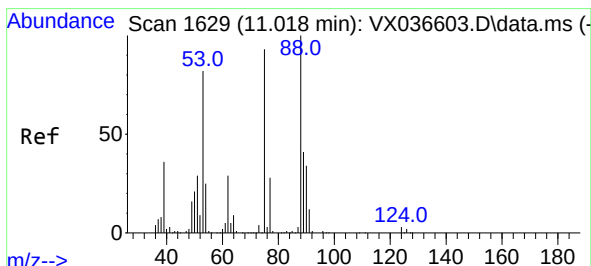
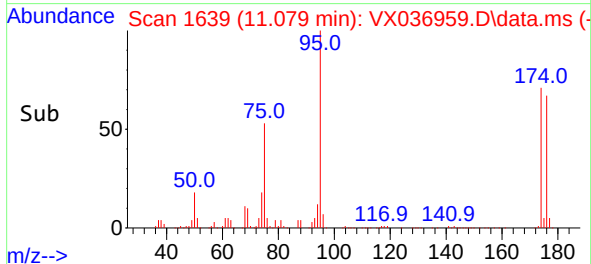
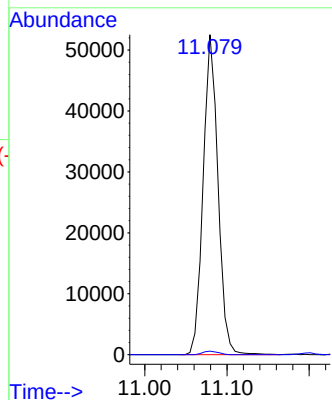
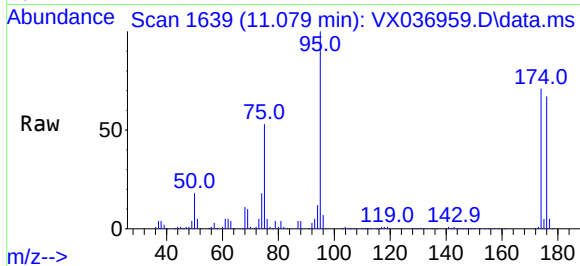




#76
1,2,3-Trichloropropane
Concen: 23.645 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

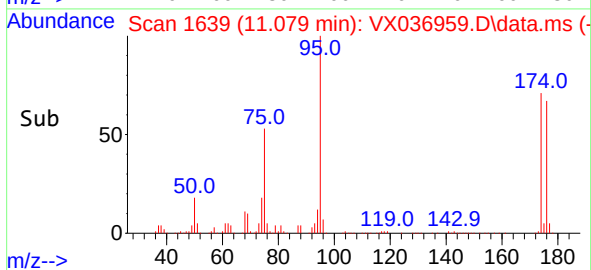
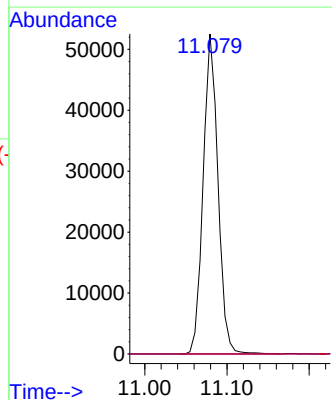
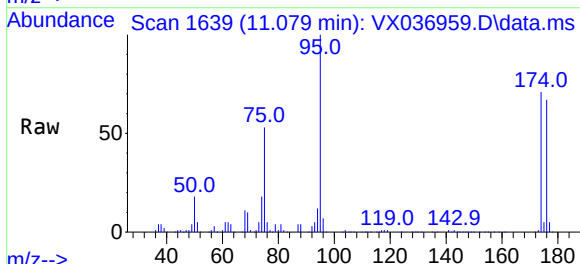
Instrument :
MSVOA_X
ClientSampleId :
715

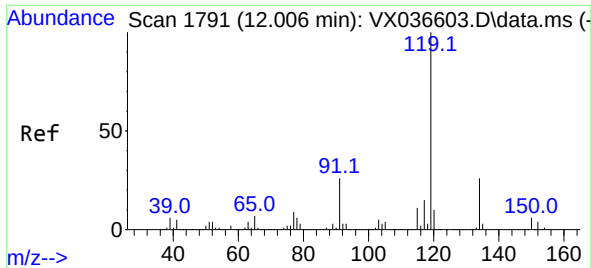
Tgt Ion: 75 Resp: 65641
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion: 75 Resp: 65641
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



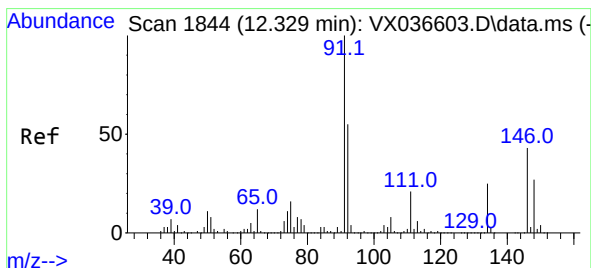
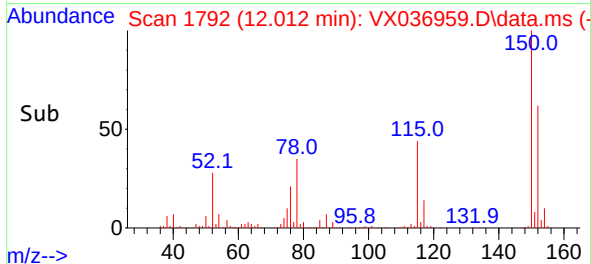
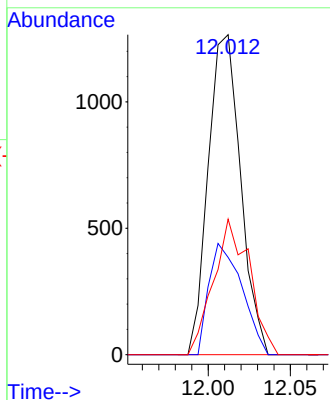
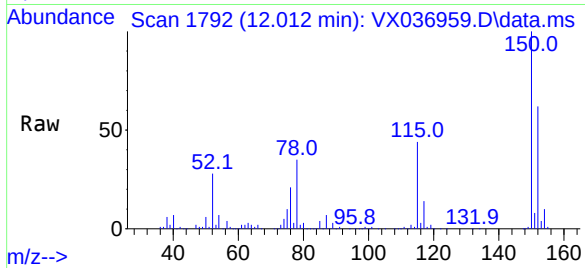


#86
p-Isopropyltoluene
Concen: 0.211 ug/l
RT: 12.012 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Instrument :
MSVOA_X
ClientSampleId :
715

Tgt Ion: 119 Resp: 1736

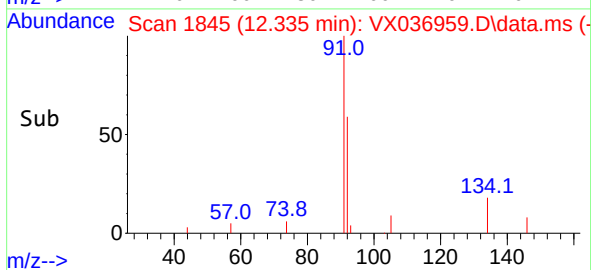
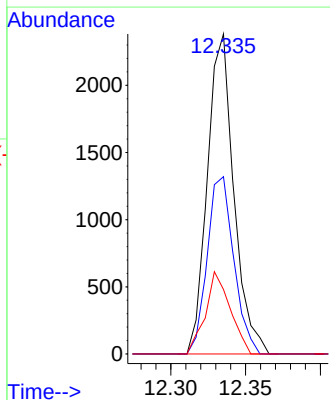
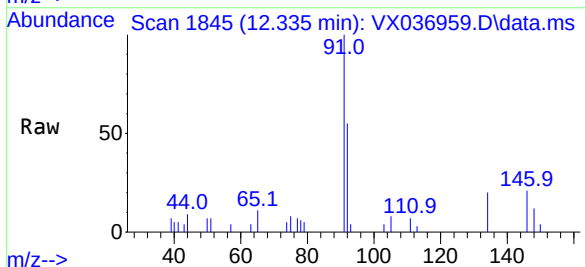
Ion	Ratio	Lower	Upper
119	100		
134	35.4	12.8	38.3
91	46.9	13.1	39.3#

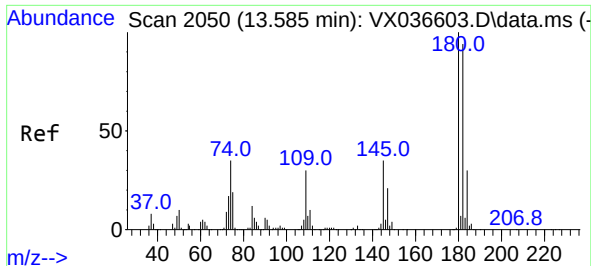


#89
n-Butylbenzene
Concen: 0.398 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion: 91 Resp: 2933

Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.4	82.0
134	24.0	12.6	37.8

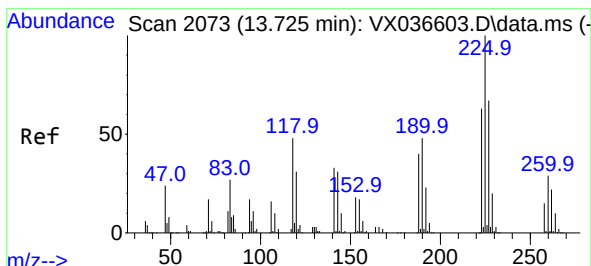
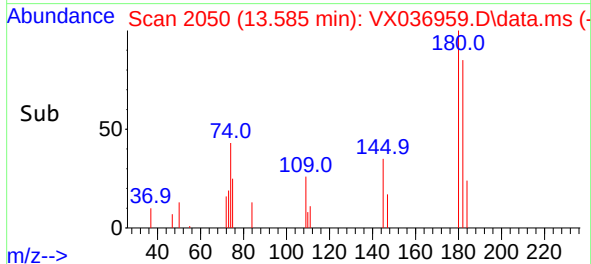
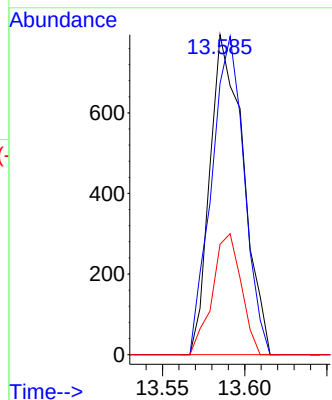
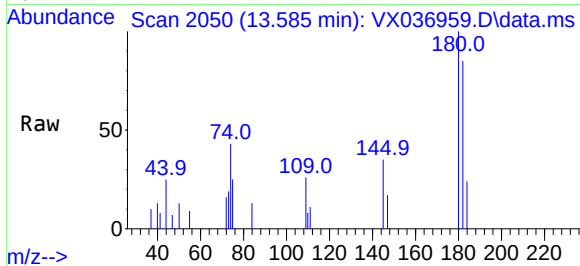




#93
1,2,4-Trichlorobenzene
Concen: 0.457 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

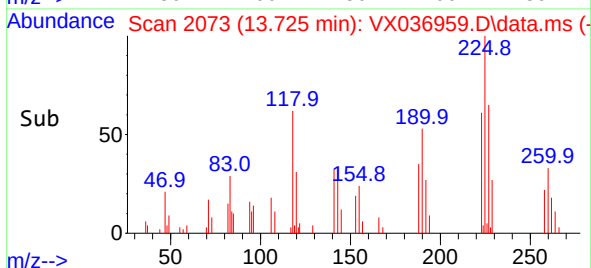
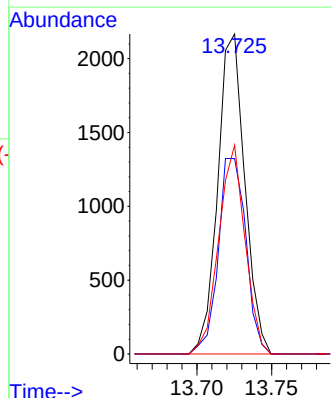
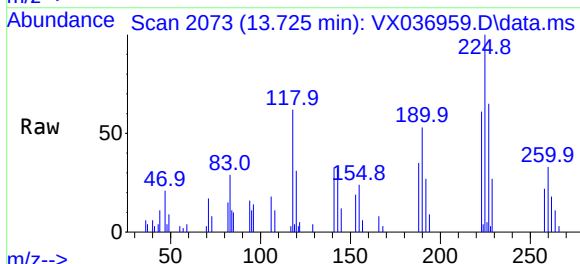
Instrument :
MSVOA_X
ClientSampleId :
715

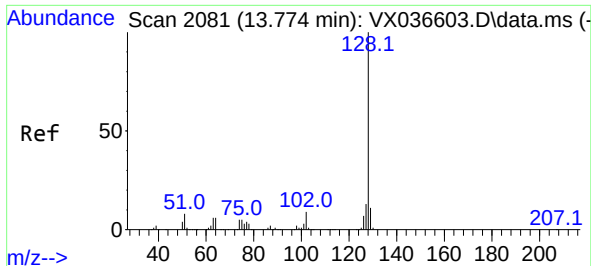
Tgt Ion:	180	Resp:	1119
Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.3	144.8
145	32.6	18.0	54.0



#94
Hexachlorobutadiene
Concen: 2.694 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion:	225	Resp:	2730
Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.2
227	63.4	32.5	97.5

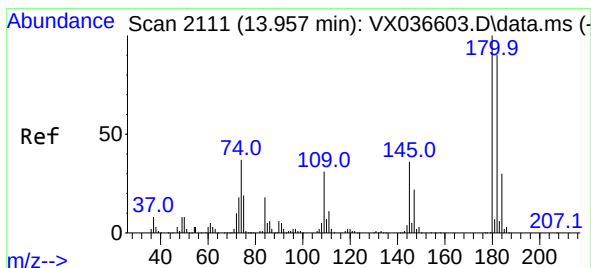
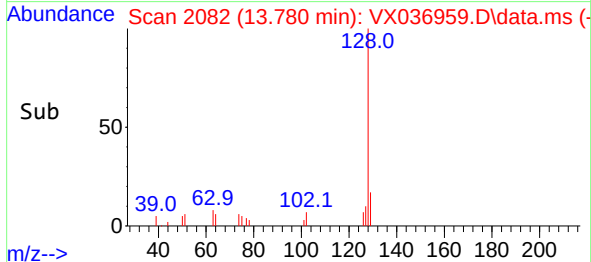
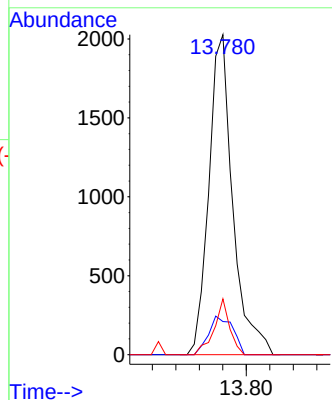
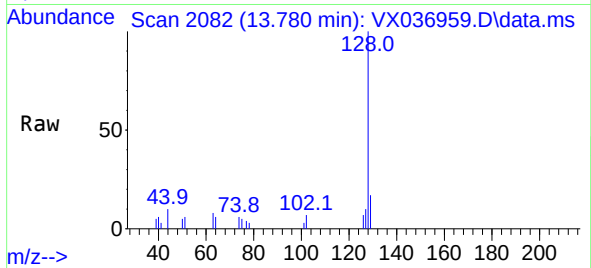




#95
Naphthalene
Concen: 0.335 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Instrument :
MSVOA_X
ClientSampleId :
715

Tgt Ion:	128	Resp:	2859
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	11.3	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.443 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX036959.D
Acq: 14 Aug 2023 12:57

Tgt Ion:	180	Resp:	1069
Ion	Ratio	Lower	Upper
180	100		
182	90.8	46.9	140.6
145	37.2	17.8	53.5

