

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037087.D
 Acq On : 18 Aug 2023 16:19
 Operator : JC/MD
 Sample : 04024-08DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20230815DL

Quant Time: Aug 19 05:19:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

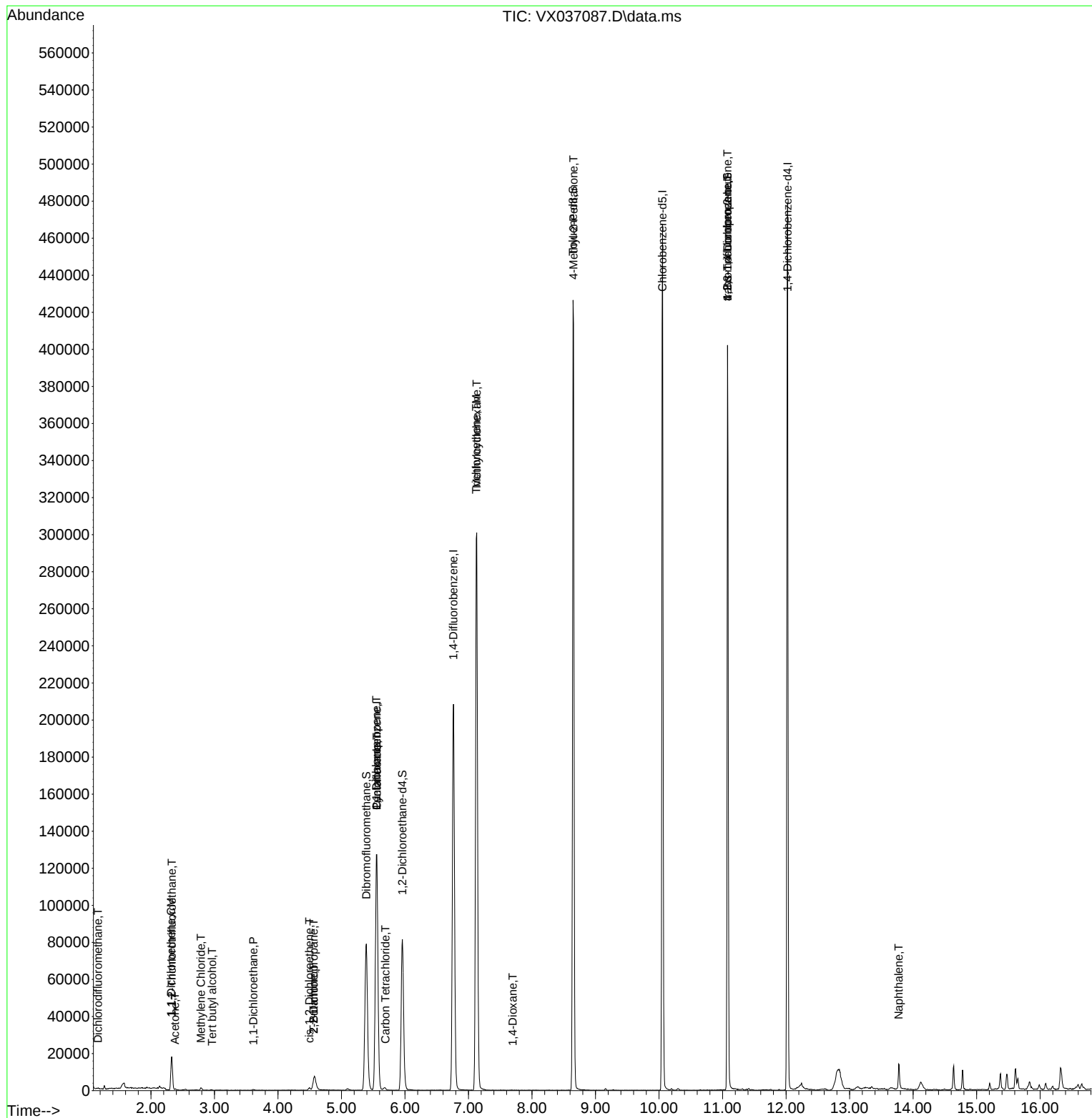
Internal Standards						
1) Pentafluorobenzene	5.556	168	118458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82840	48.507	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.020%
35) Dibromofluoromethane	5.391	113	69992	48.632	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.260%
50) Toluene-d8	8.647	98	261767	50.142	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.280%
62) 4-Bromofluorobenzene	11.079	95	109456	53.351	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	347	0.252	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	4805	3.837	ug/l	94
11) Tert butyl alcohol	2.965	59	199	0.497	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	2391	1.961	ug/l	91
16) Acetone	2.380	43	764	1.144	ug/l #	83
20) Methylene Chloride	2.788	84	703	0.471	ug/l	98
24) 1,1-Dichloroethane	3.611	63	658	0.271	ug/l #	83
25) 2-Butanone	4.562	43	320	0.318	ug/l #	51
26) 2,2-Dichloropropane	4.562	77	577	0.266	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	984	0.602	ug/l	74
31) Cyclohexane	5.556	56	2484	1.294	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	9252	4.525	ug/l #	51
38) Carbon Tetrachloride	5.690	117	1212	0.546	ug/l #	71
39) Methylcyclohexane	7.129	83	1474	0.686	ug/l #	1
44) Trichloroethene	7.123	130	120056	72.199	ug/l	97
49) 1,4-Dioxane	7.696	88	125	2.870	ug/l #	12
51) 4-Methyl-2-Pentanone	8.653	43	1010	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	56615	26.213	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56615	73.215	ug/l #	5
95) Naphthalene	13.774	128	10951	1.295	ug/l	99

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

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Quant Time: Aug 19 05:19:50 2023
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Quant Title : SW846 8260
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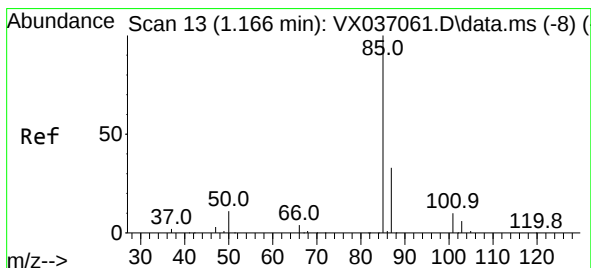
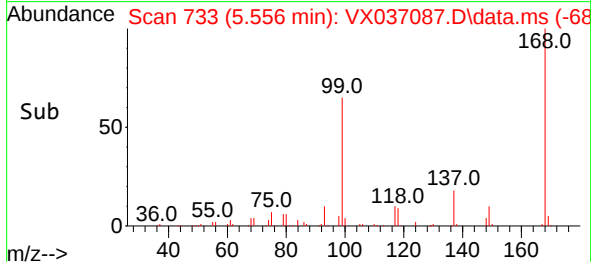
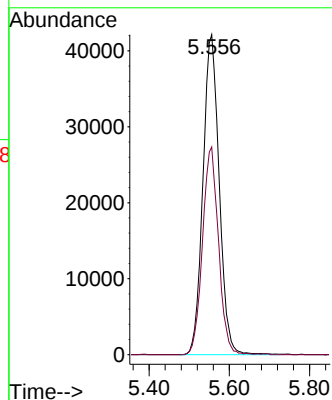
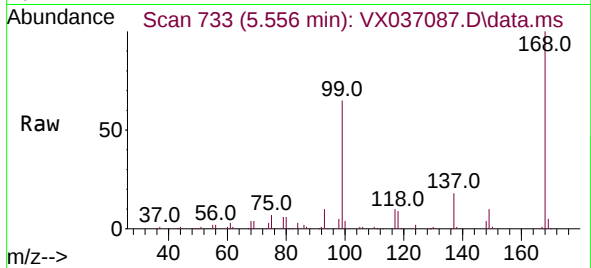




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

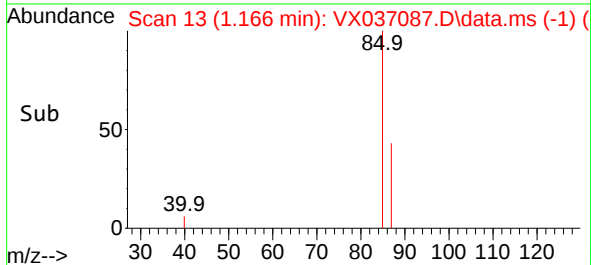
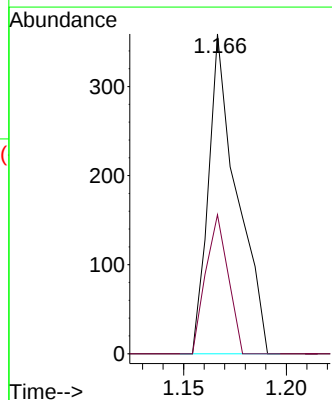
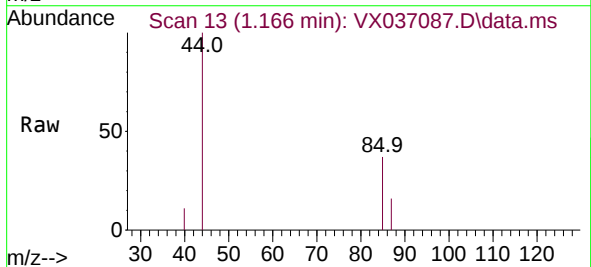
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

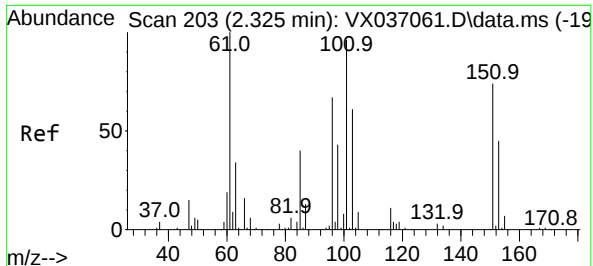
Tgt Ion:168 Resp: 118458
Ion Ratio Lower Upper
168 100
99 64.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.252 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion: 85 Resp: 347
Ion Ratio Lower Upper
85 100
87 43.5 16.7 50.1

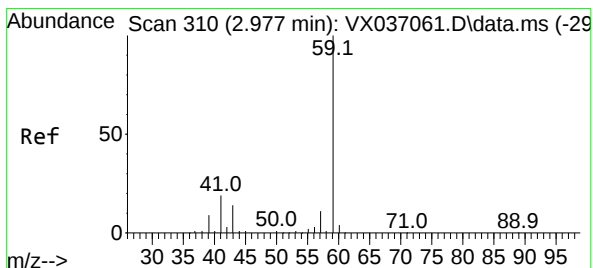
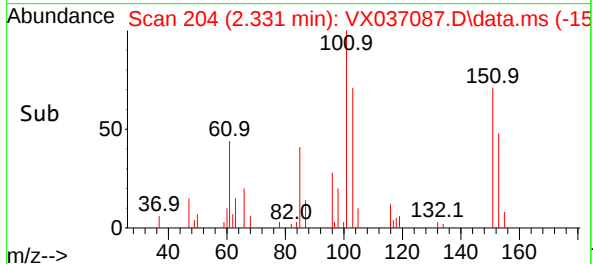
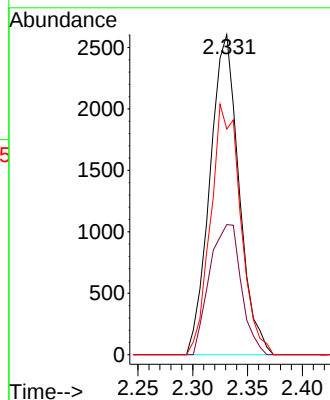
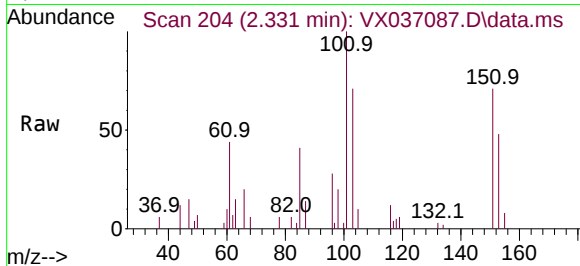




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.837 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

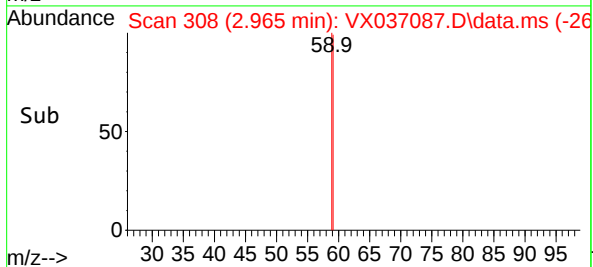
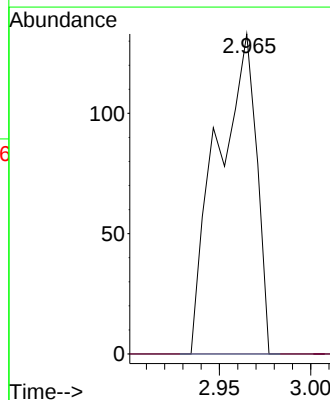
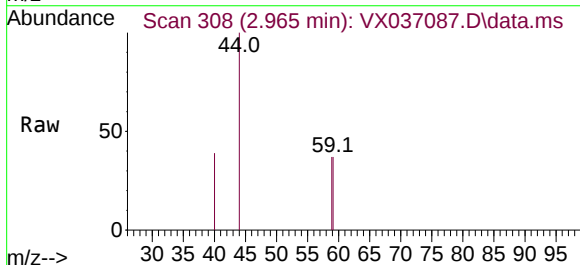
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

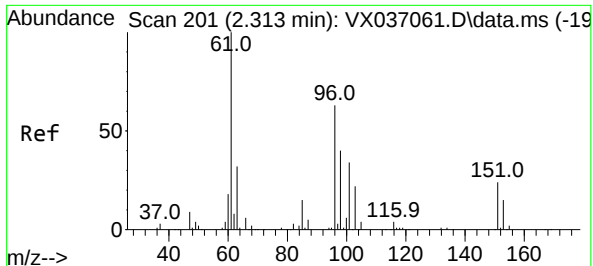
Tgt Ion:101 Resp: 4805
Ion Ratio Lower Upper
101 100
85 44.3 37.0 55.6
151 80.4 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.497 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 1.961 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037087.D

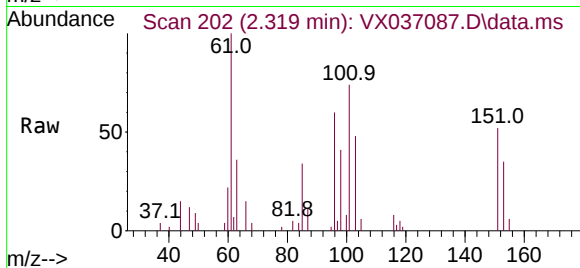
Acq: 18 Aug 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20230815DL



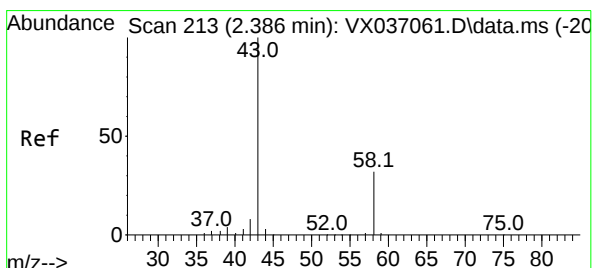
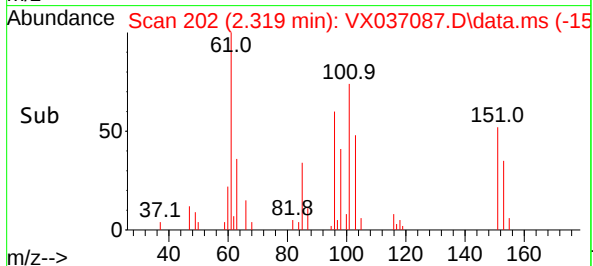
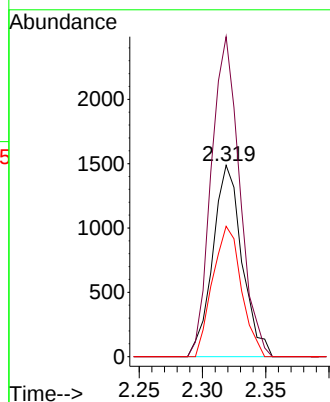
Tgt Ion: 96 Resp: 2391

Ion Ratio Lower Upper

96 100

61 167.2 144.6 216.8

98 68.1 50.4 75.6



#16

Acetone

Concen: 1.144 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037087.D

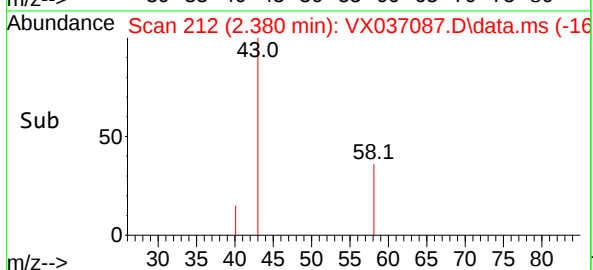
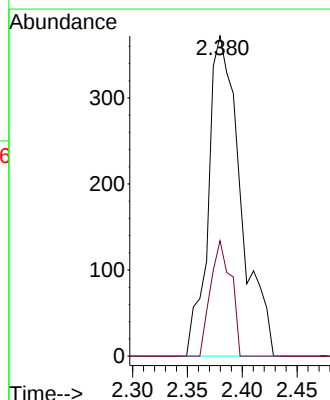
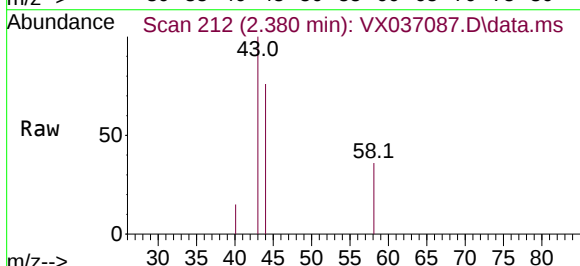
Acq: 18 Aug 2023 16:19

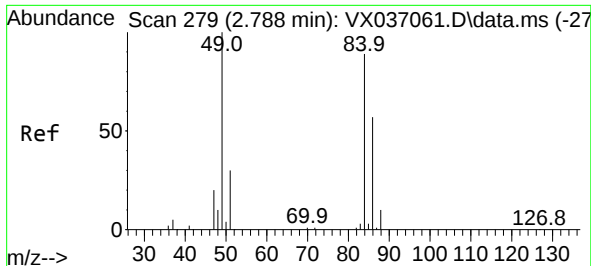
Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

43 100

58 36.0 21.9 32.9#

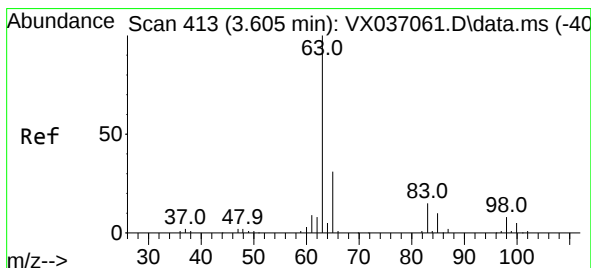
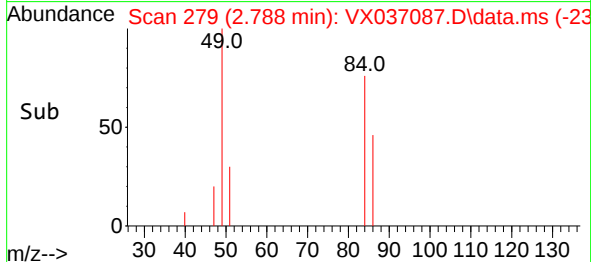
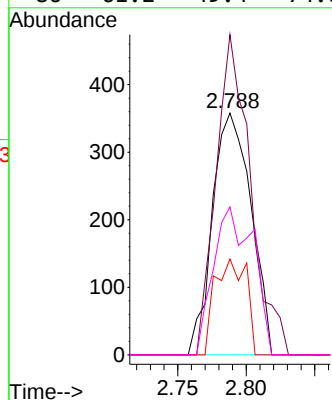
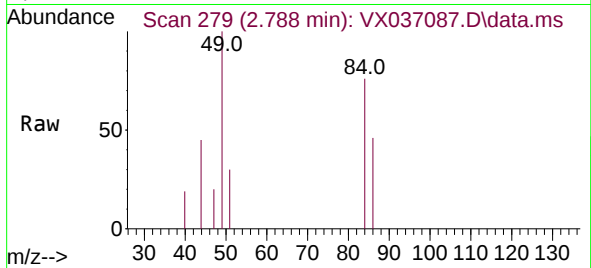




#20
Methylene Chloride
Concen: 0.471 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

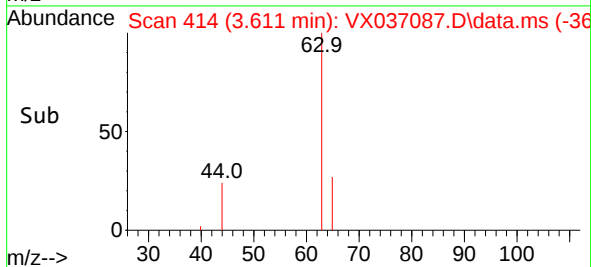
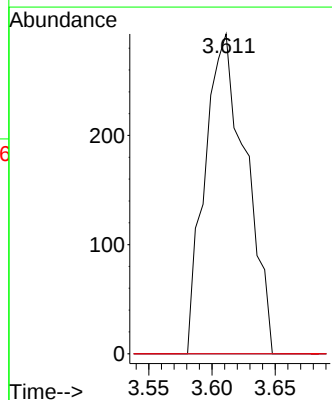
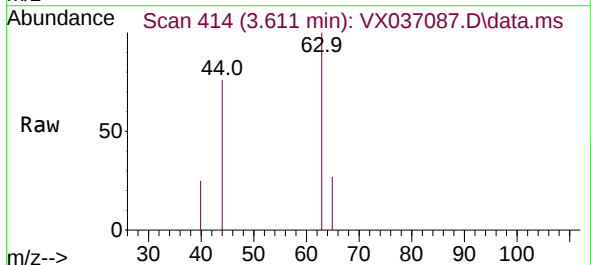
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

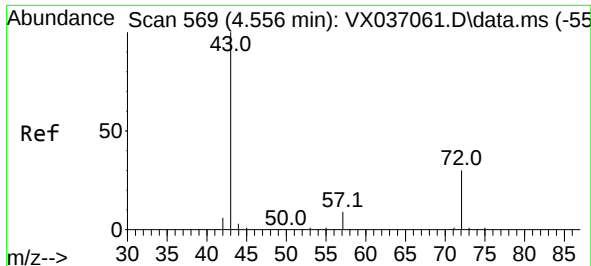
Tgt Ion:	84	Resp:	703
Ion	Ratio	Lower	Upper
84	100		
49	132.4	103.6	155.4
51	39.7	33.8	50.6
86	61.2	49.4	74.0



#24
1,1-Dichloroethane
Concen: 0.271 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion:	63	Resp:	658
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#





#25

2-Butanone

Concen: 0.318 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037087.D

Acq: 18 Aug 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

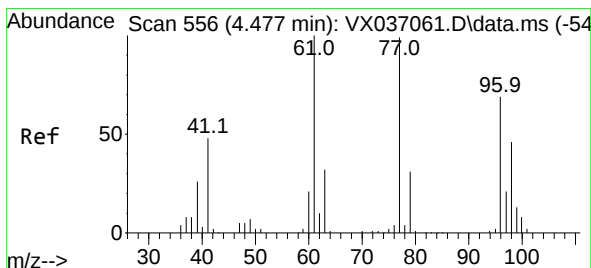
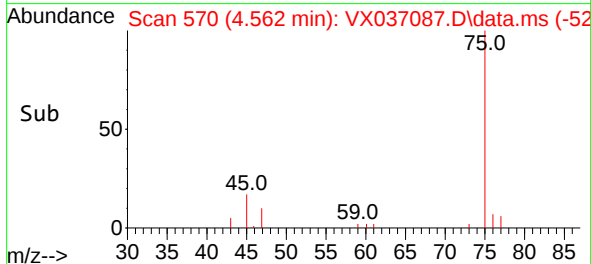
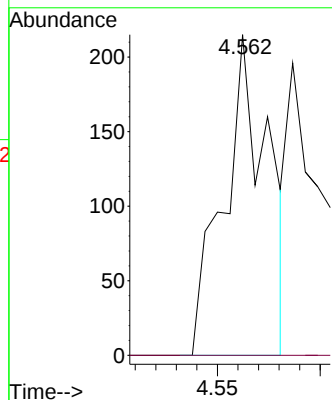
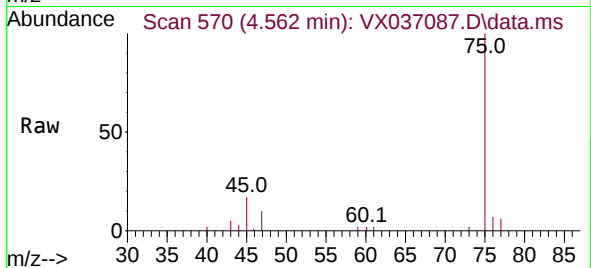
DUP05-20230815DL

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 0.266 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.085 min

Lab File: VX037087.D

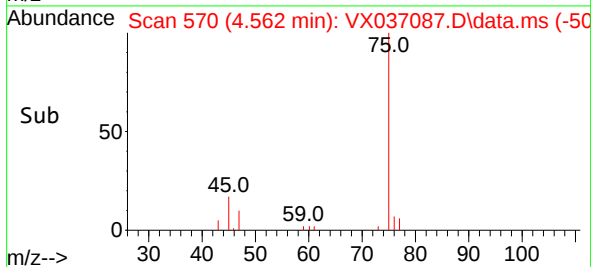
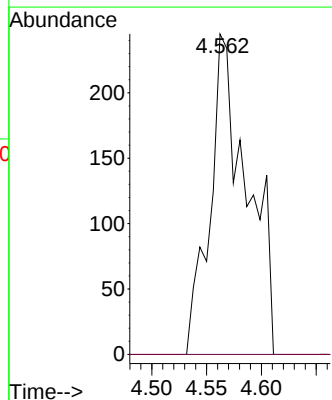
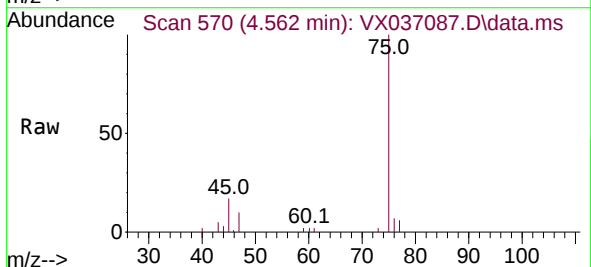
Acq: 18 Aug 2023 16:19

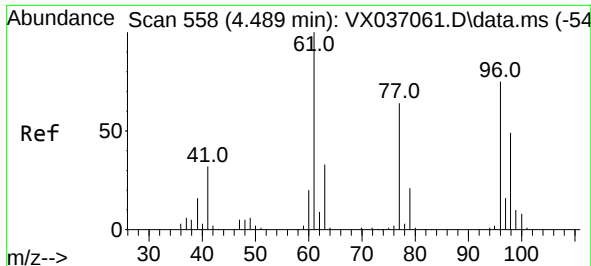
Tgt Ion: 77 Resp: 577

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 0.602 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037087.D

Acq: 18 Aug 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20230815DL

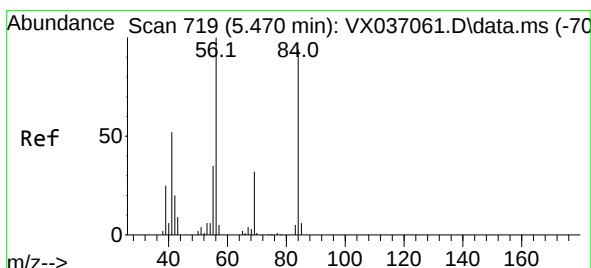
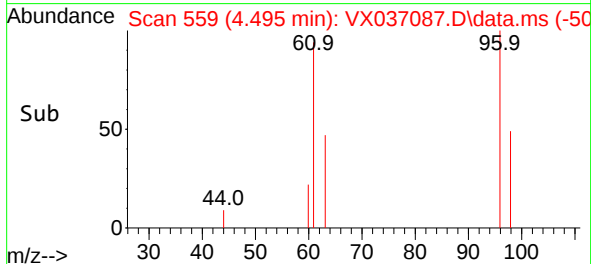
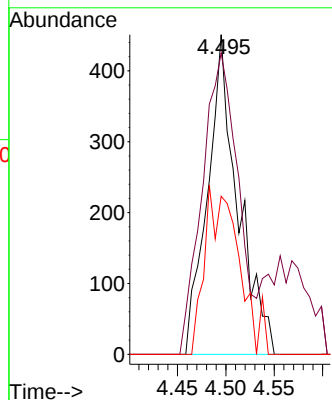
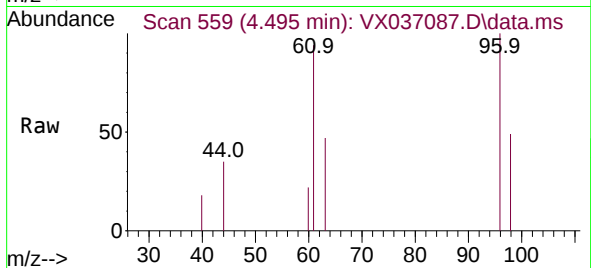
Tgt Ion: 96 Resp: 984

Ion Ratio Lower Upper

96 100

61 111.8 0.0 312.2

98 59.0 0.0 129.0



#31

Cyclohexane

Concen: 1.294 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037087.D

Acq: 18 Aug 2023 16:19

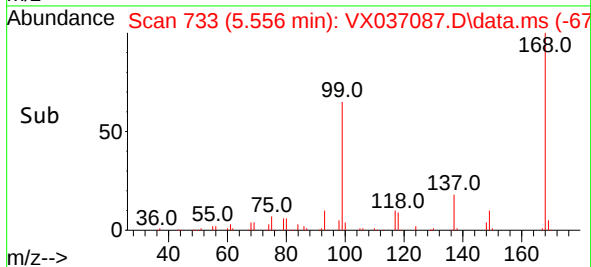
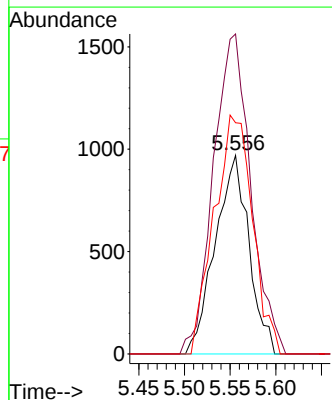
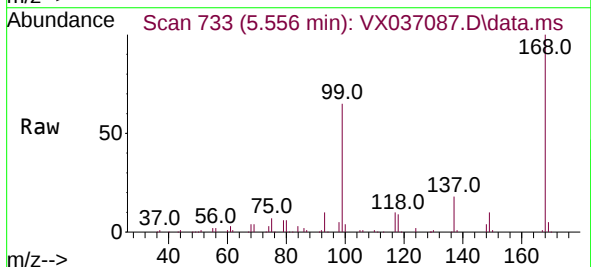
Tgt Ion: 56 Resp: 2484

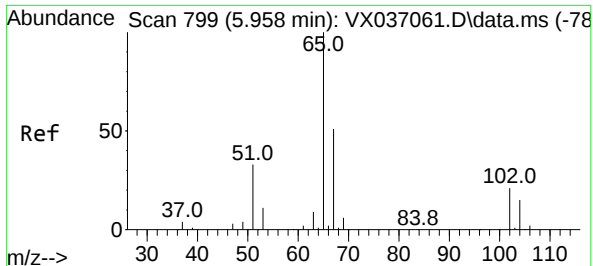
Ion Ratio Lower Upper

56 100

69 161.1 23.4 35.2#

84 116.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.507 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037087.D

Acq: 18 Aug 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

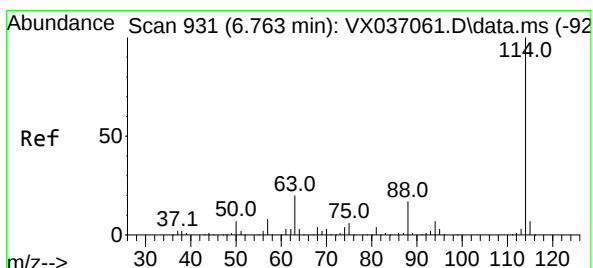
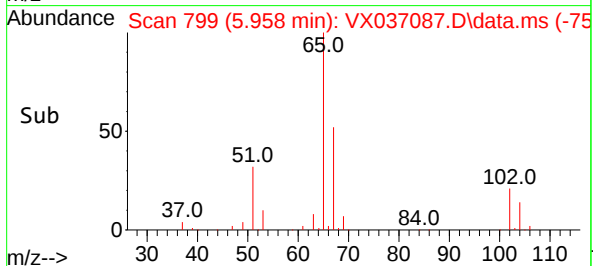
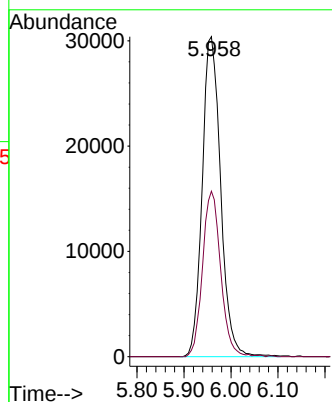
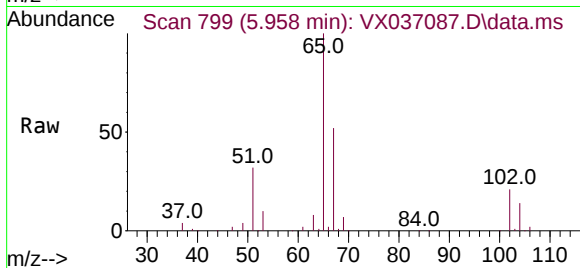
DUP05-20230815DL

Tgt Ion: 65 Resp: 82840

Ion Ratio Lower Upper

65 100

67 50.7 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: VX037087.D

Acq: 18 Aug 2023 16:19

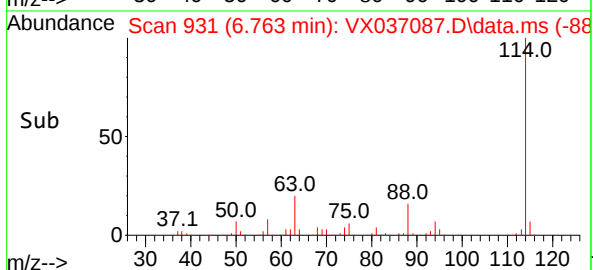
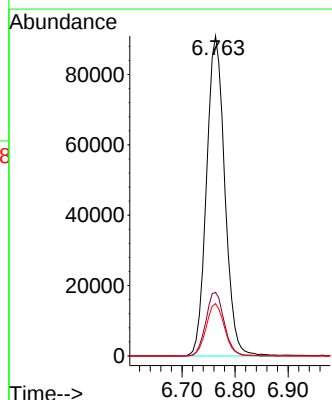
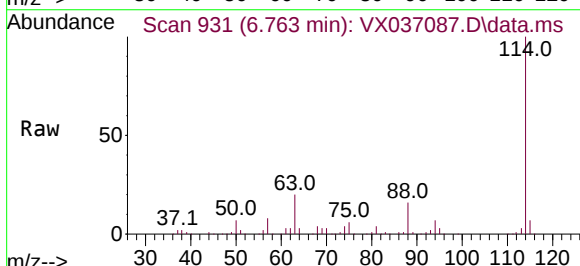
Tgt Ion: 114 Resp: 217312

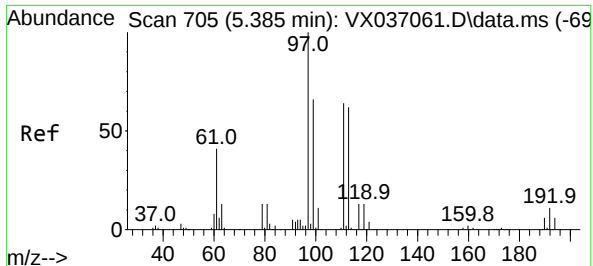
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 16.3 0.0 36.6

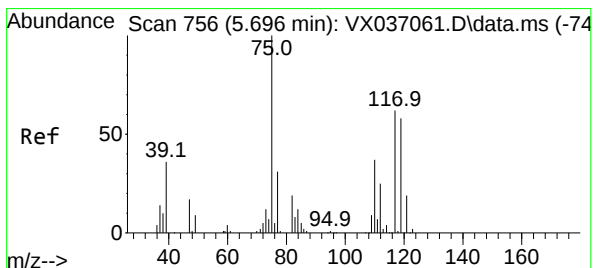
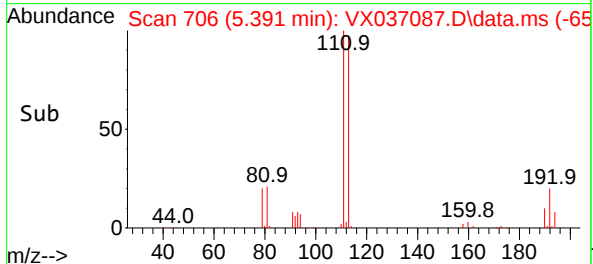
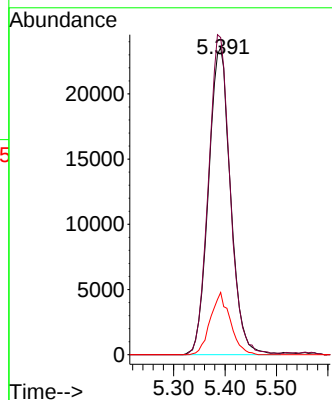
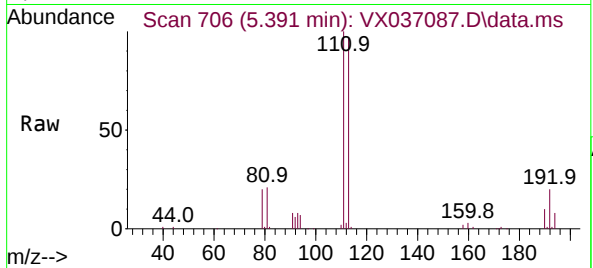




#35
Dibromofluoromethane
Concen: 48.632 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

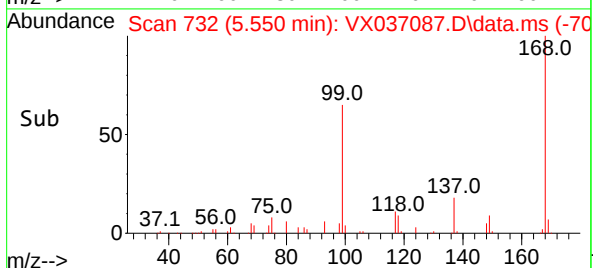
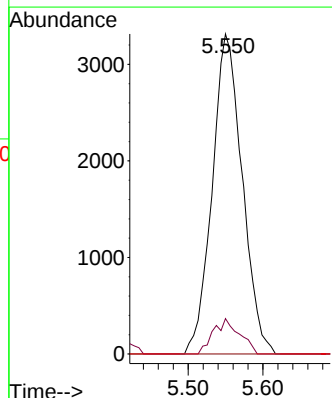
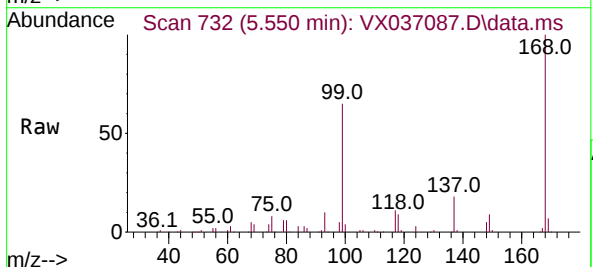
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

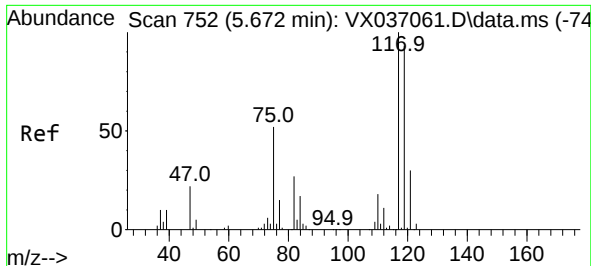
Tgt Ion:113 Resp: 69992
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.525 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion: 75 Resp: 9252
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#

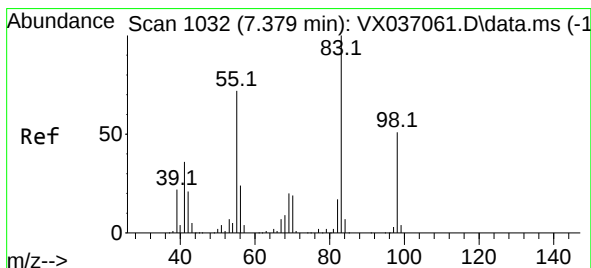
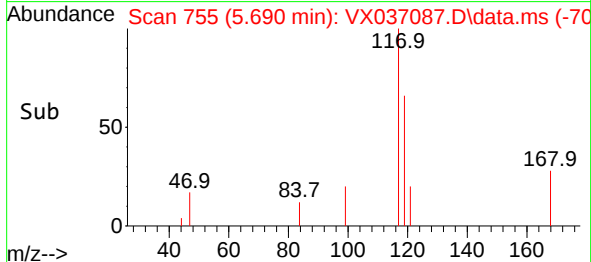
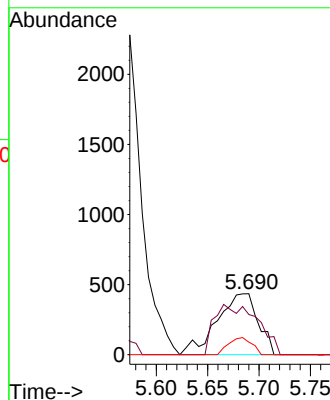
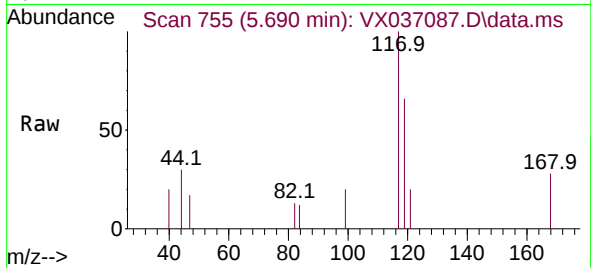




#38
Carbon Tetrachloride
Concen: 0.546 ug/l
RT: 5.690 min Scan# 711
Delta R.T. 0.018 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

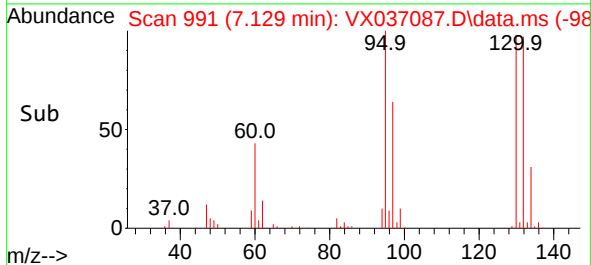
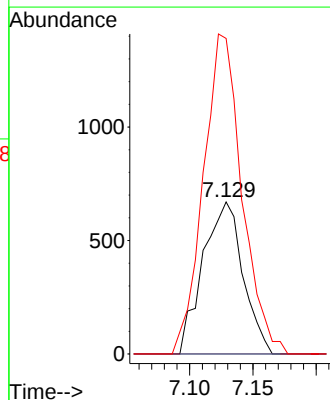
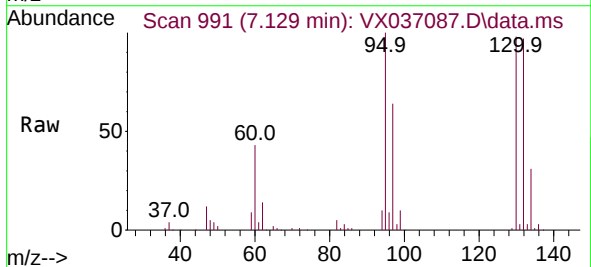
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

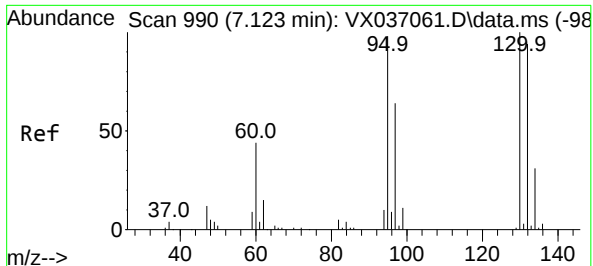
Tgt Ion:117 Resp: 1212
Ion Ratio Lower Upper
117 100
119 66.0 78.2 117.2#
121 20.5 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.686 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion: 83 Resp: 1474
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 192.8 36.7 55.1#

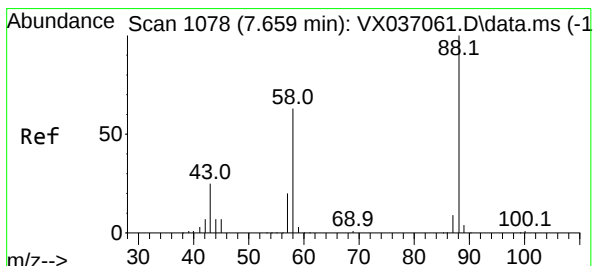
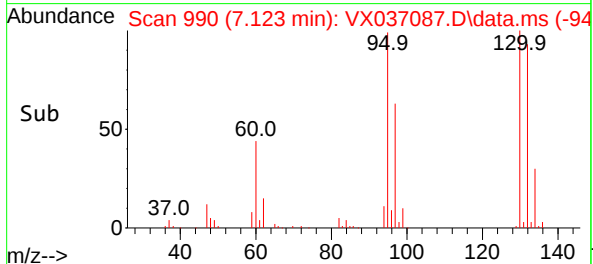
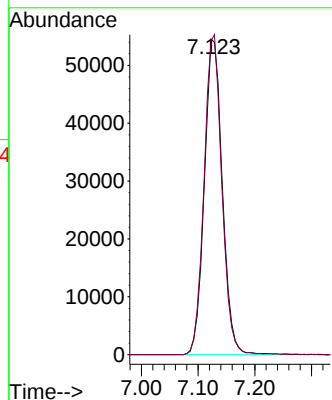
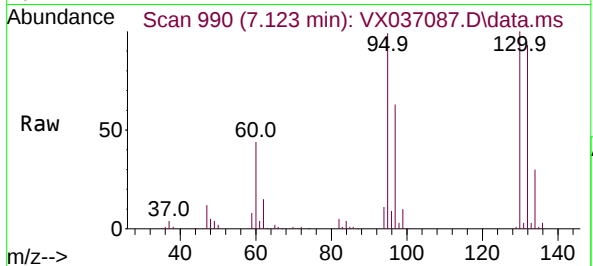




#44
Trichloroethene
Concen: 72.199 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

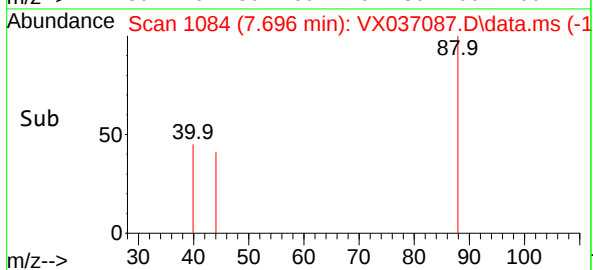
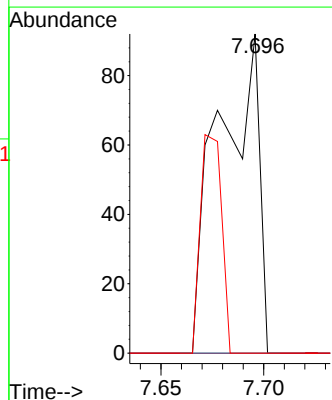
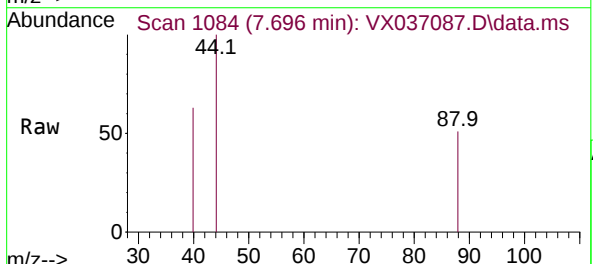
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

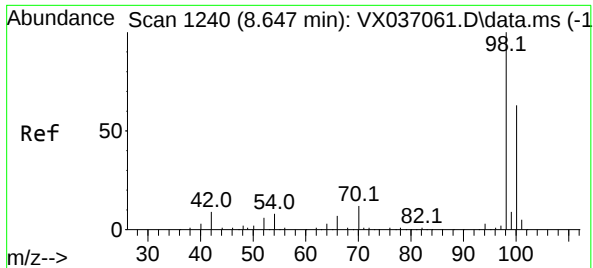
Tgt Ion:130 Resp: 120056
Ion Ratio Lower Upper
130 100
95 99.4 0.0 204.4



#49
1,4-Dioxane
Concen: 2.870 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion: 88 Resp: 125
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

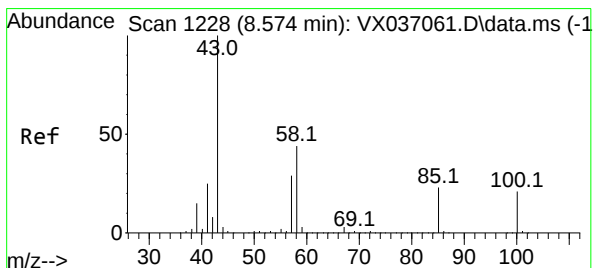
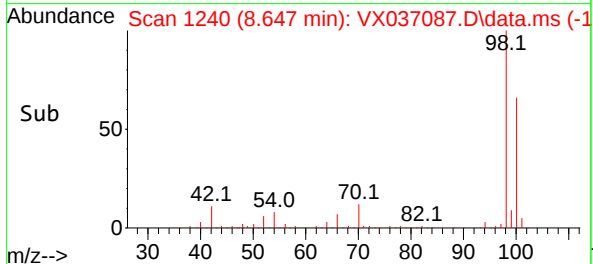
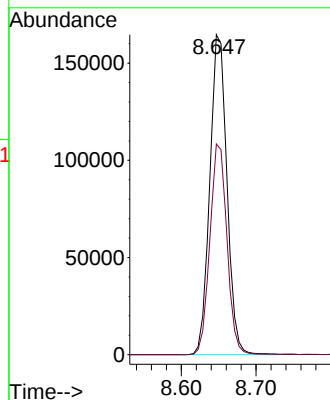
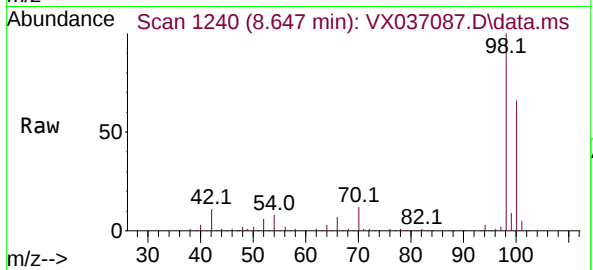




#50
Toluene-d8
Concen: 50.142 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

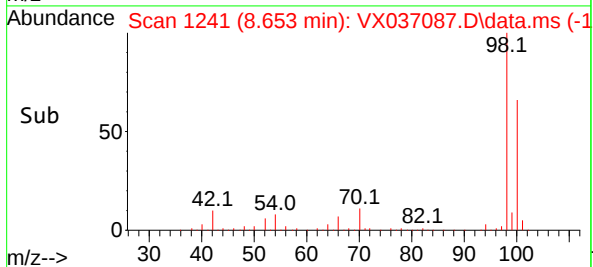
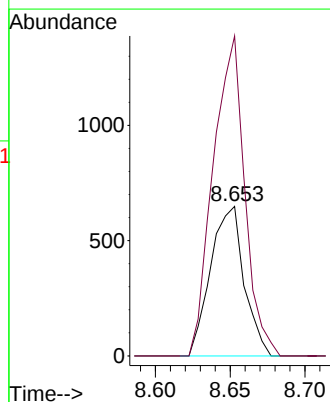
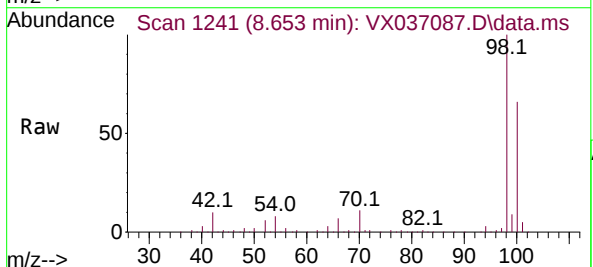
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

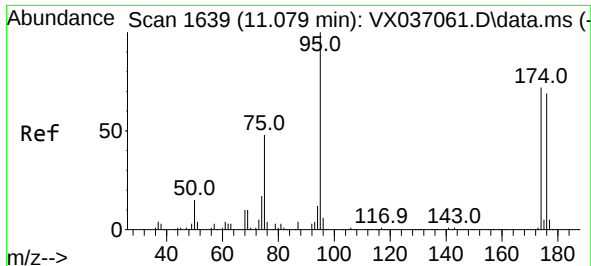
Tgt Ion: 98 Resp: 261767
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.502 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion: 43 Resp: 1010
Ion Ratio Lower Upper
43 100
58 201.5 30.4 45.6#

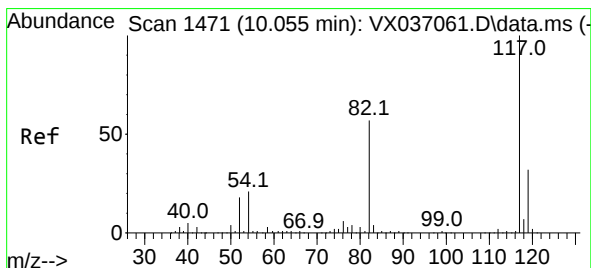
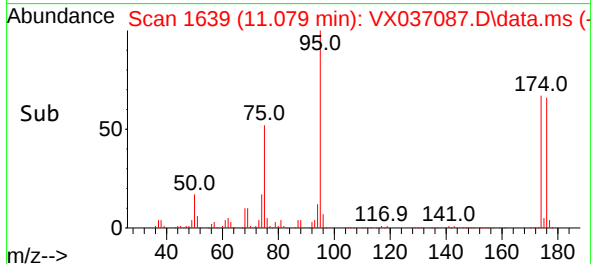
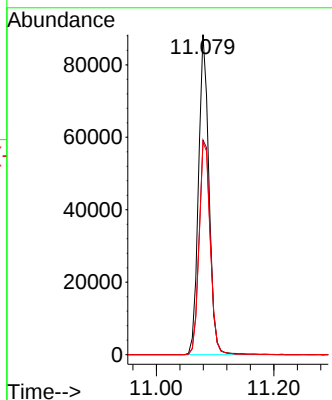
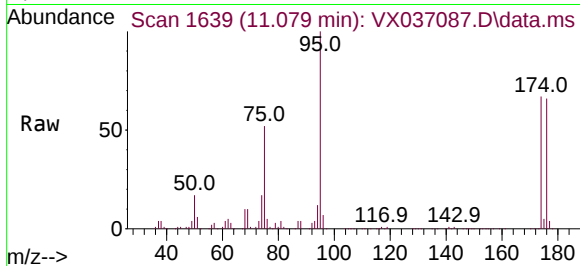




#62
4-Bromofluorobenzene
Concen: 53.351 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

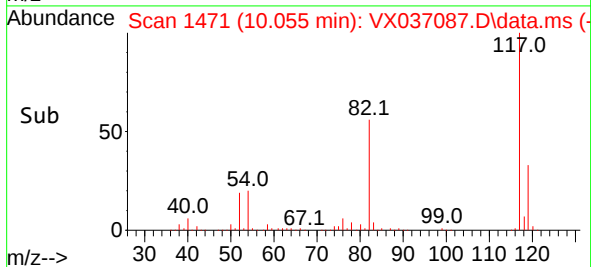
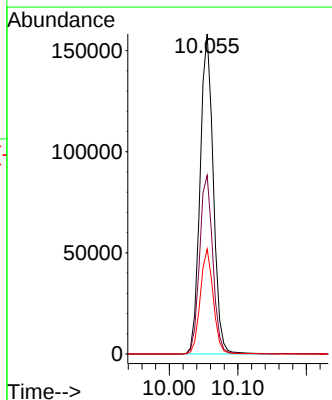
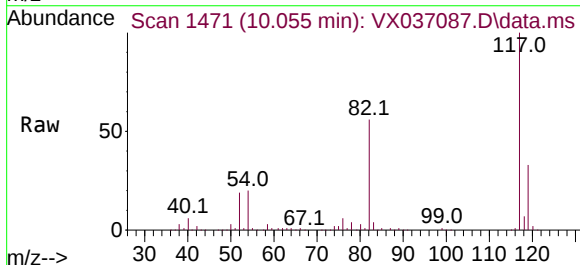
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

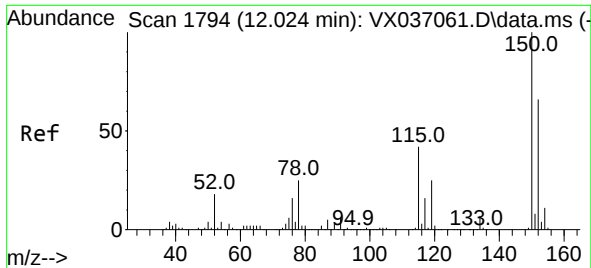
Tgt Ion: 95 Resp: 109456
Ion Ratio Lower Upper
95 100
174 71.9 0.0 135.6
176 70.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion: 117 Resp: 212458
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.8 25.5 38.3

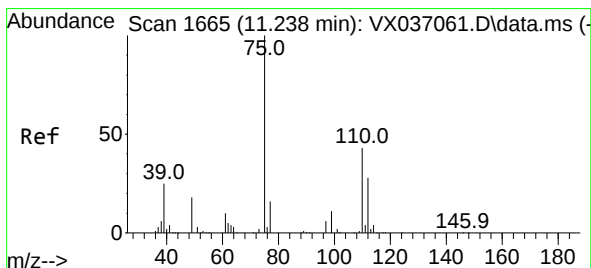
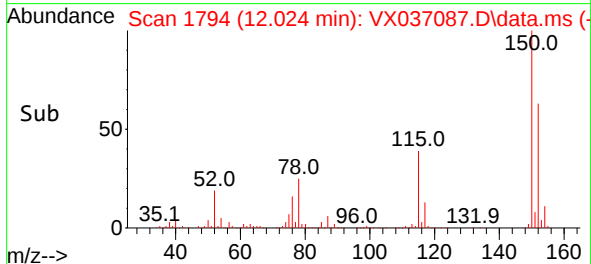
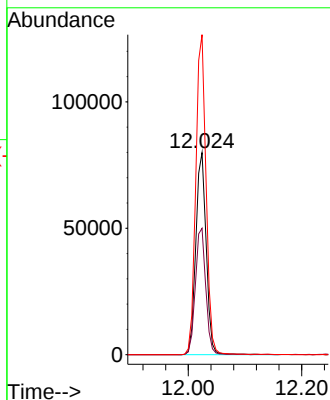
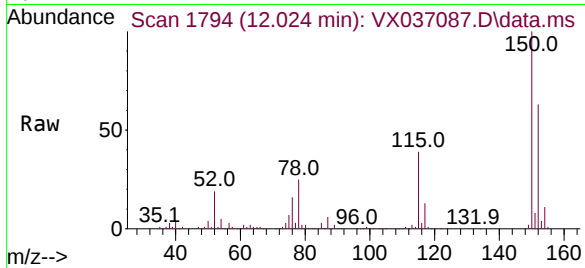




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037087.D
 Acq: 18 Aug 2023 16:19

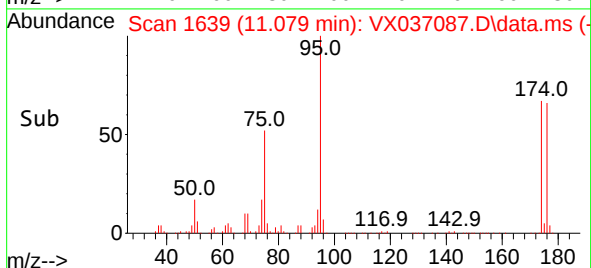
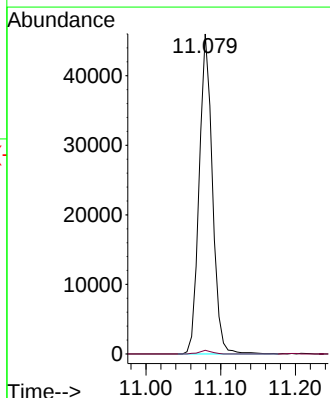
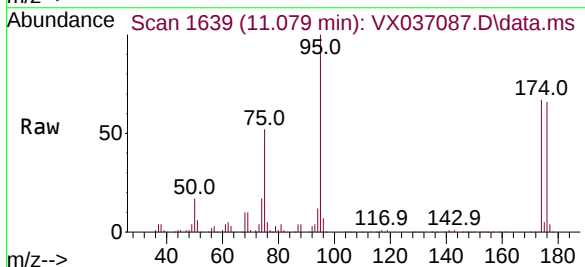
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20230815DL

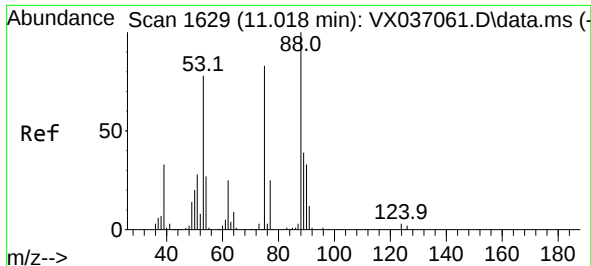
Tgt Ion:152 Resp: 101414
 Ion Ratio Lower Upper
 152 100
 115 62.9 43.3 129.9
 150 156.9 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.213 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037087.D
 Acq: 18 Aug 2023 16:19

Tgt Ion: 75 Resp: 56615
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

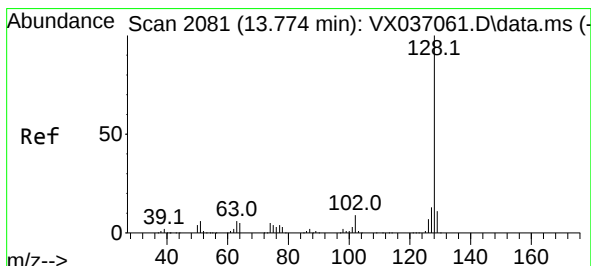
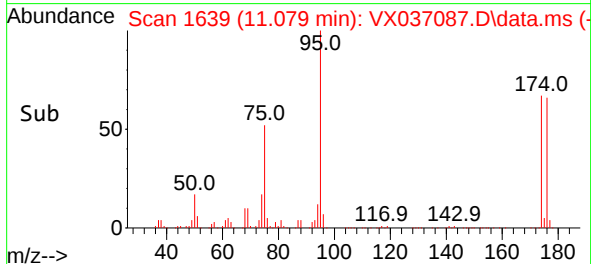
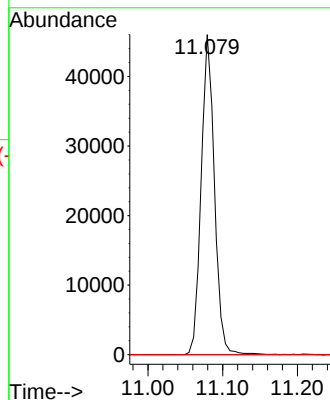
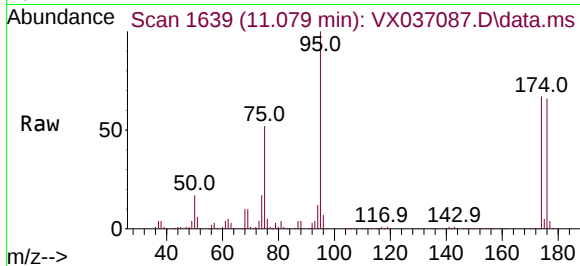




#81
trans-1,4-Dichloro-2-butene
Concen: 73.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815DL

Tgt Ion: 75 Resp: 56615
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.295 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX037087.D
Acq: 18 Aug 2023 16:19

Tgt Ion: 128 Resp: 10951
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 11.0 8.8 13.2

