

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111323\
 Data File : VX038783.D
 Acq On : 13 Nov 2023 16:30
 Operator : JC/MD
 Sample : 05350-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20231107RE

Quant Time: Nov 14 05:32:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

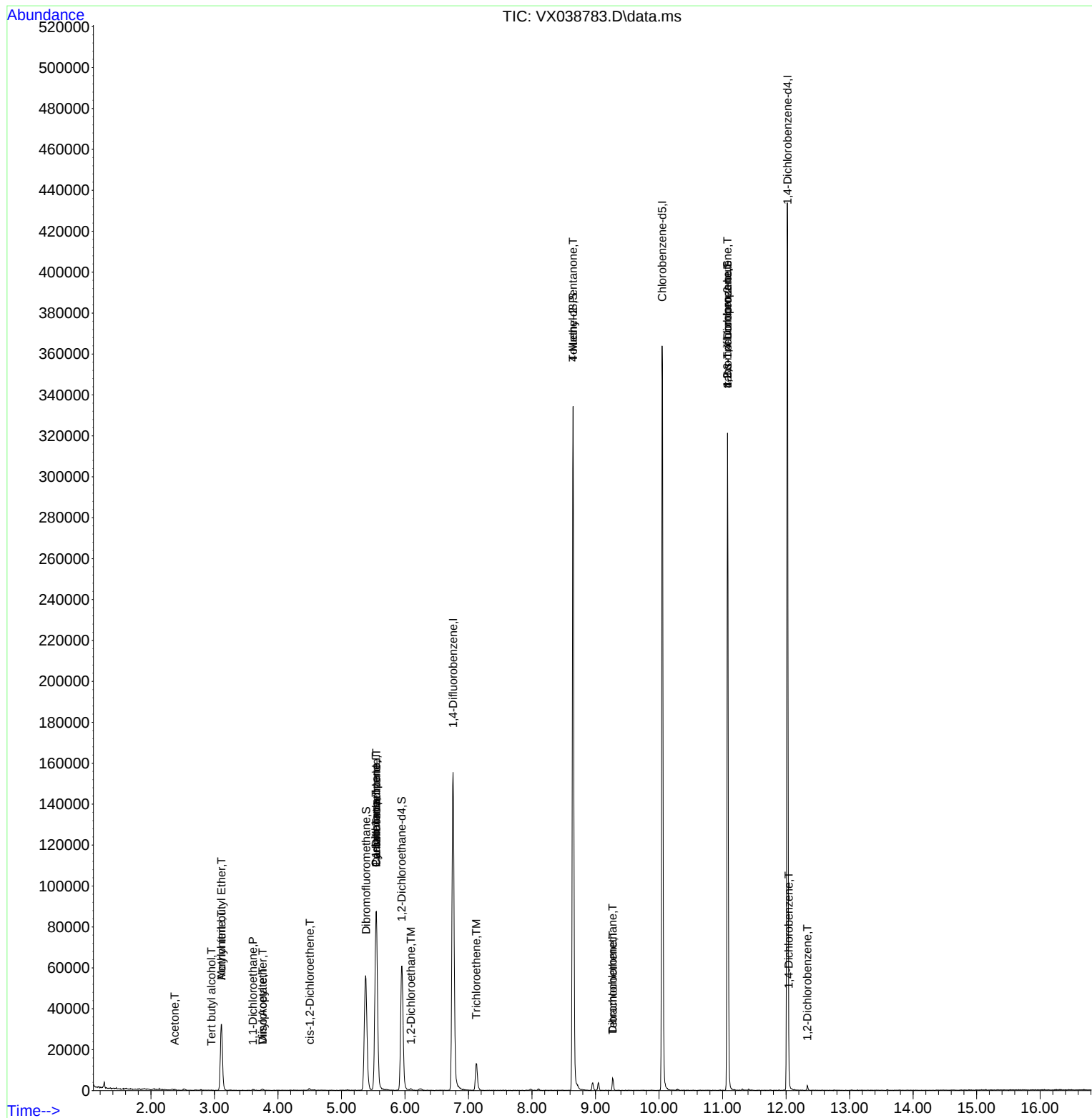
Internal Standards						
1) Pentafluorobenzene	5.550	168	83074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168653	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	173636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	61560	59.522	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	119.040%#
35) Dibromofluoromethane	5.385	113	52882	43.535	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.080%
50) Toluene-d8	8.647	98	207718	47.788	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.580%
62) 4-Bromofluorobenzene	11.079	95	96961	57.535	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.080%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.952	59	53	0.251	ug/l #	78
15) Acrylonitrile	3.111	53	372	0.834	ug/l #	11
16) Acetone	2.373	43	532	1.221	ug/l #	82
19) Methyl tert-butyl Ether	3.111	73	36165	14.587	ug/l	96
22) Diisopropyl ether	3.757	45	757	0.362	ug/l #	66
23) Vinyl Acetate	3.757	43	410	0.276	ug/l #	73
24) 1,1-Dichloroethane	3.605	63	578	0.417	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	485	0.498	ug/l	99
31) Cyclohexane	5.543	56	1830	1.599	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	6953	4.608	ug/l #	45
38) Carbon Tetrachloride	5.550	117	8829	5.234	ug/l #	17
42) 1,2-Dichloroethane	6.092	62	749	0.478	ug/l #	77
44) Trichloroethene	7.122	130	5803	4.291	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	801	0.519	ug/l #	1
60) Dibromochloromethane	9.268	129	1133	0.836	ug/l #	11
64) Tetrachloroethene	9.275	164	1110	0.854	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	45963	24.836	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45963	74.012	ug/l #	5
88) 1,4-Dichlorobenzene	12.042	146	929	0.300	ug/l #	24
91) 1,2-Dichlorobenzene	12.335	146	734	0.250	ug/l	94

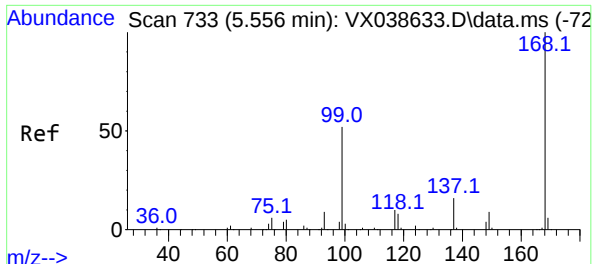
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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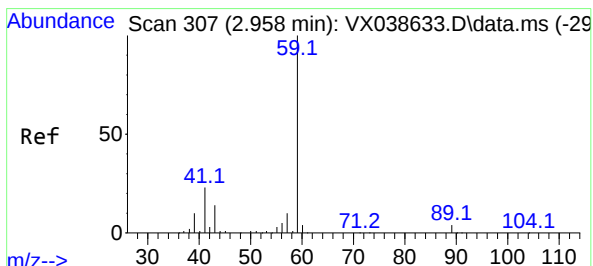
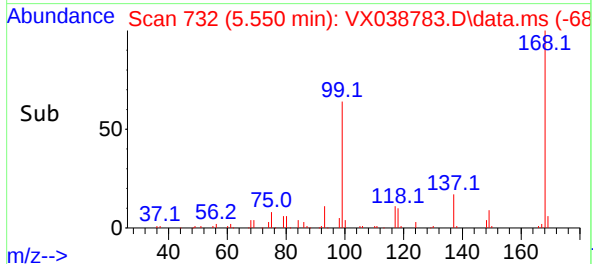
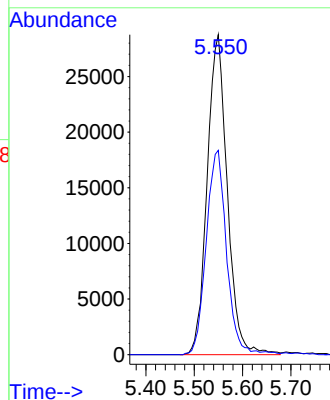
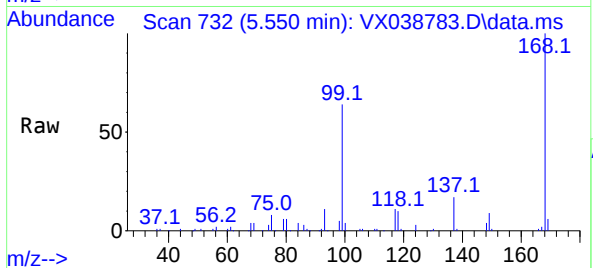




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

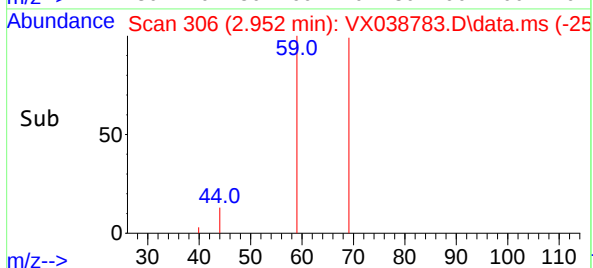
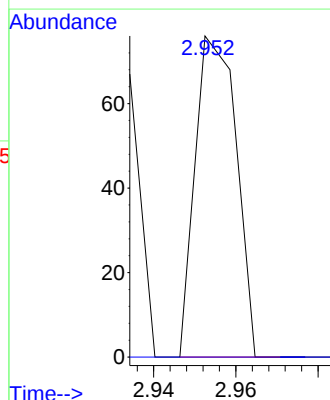
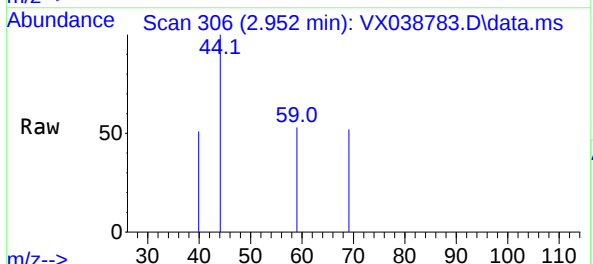
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE

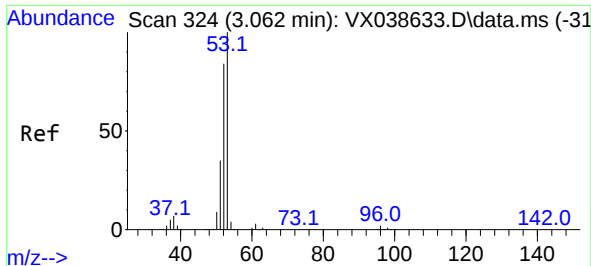
Tgt Ion:168 Resp: 83074
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.251 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#15

Acrylonitrile

Concen: 0.834 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.049 min

Lab File: VX038783.D

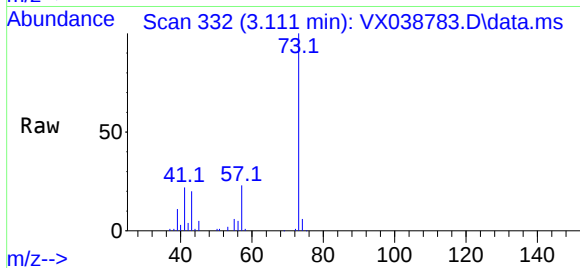
Acq: 13 Nov 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :

TT149S1-20231107RE



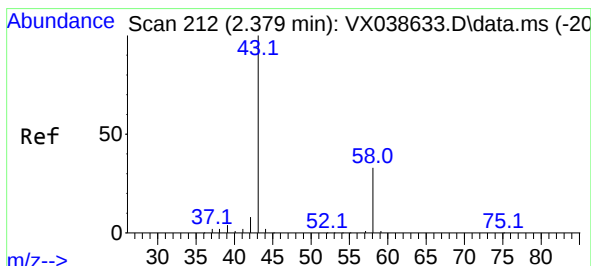
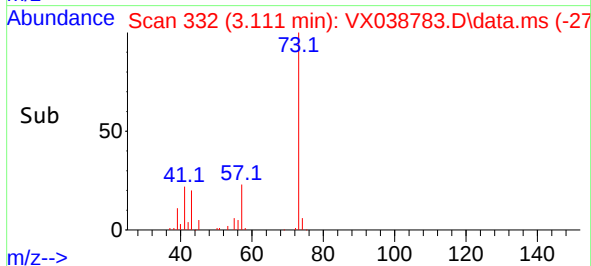
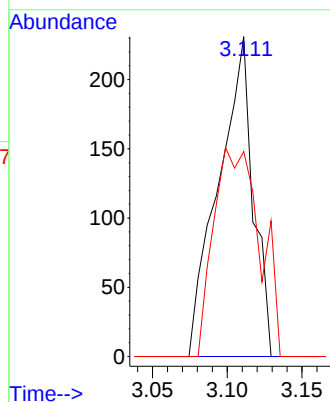
Tgt Ion: 53 Resp: 372

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 86.6 29.8 44.6#



#16

Acetone

Concen: 1.221 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX038783.D

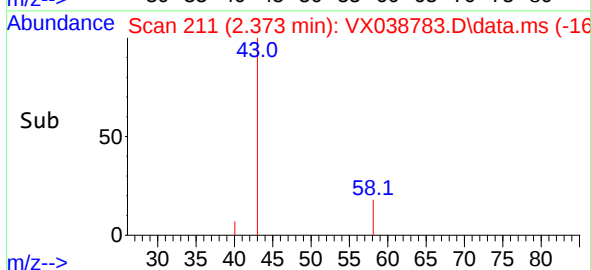
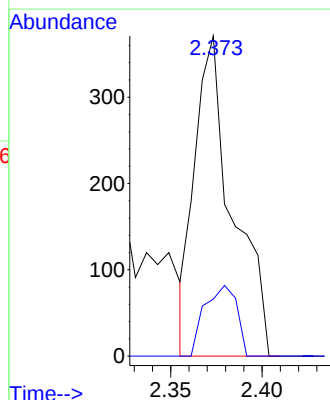
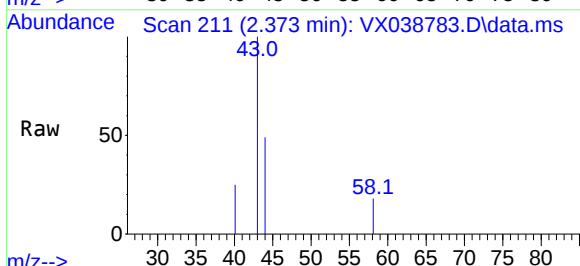
Acq: 13 Nov 2023 16:30

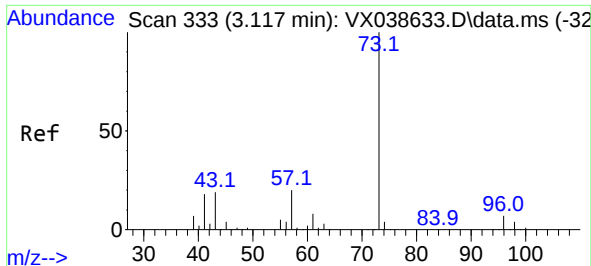
Tgt Ion: 43 Resp: 532

Ion Ratio Lower Upper

43 100

58 17.8 21.9 32.9#

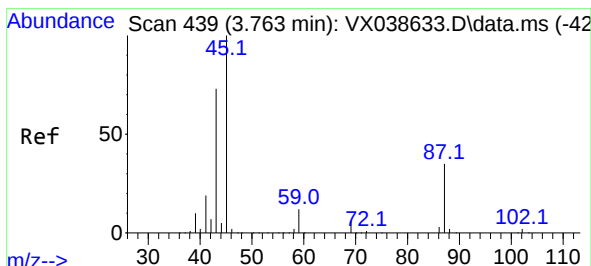
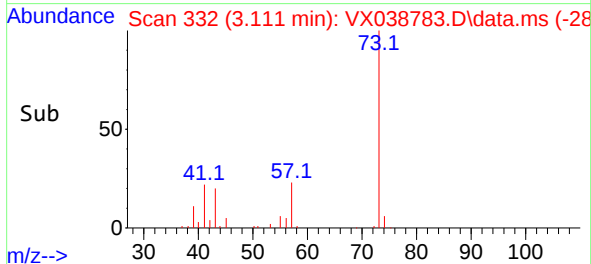
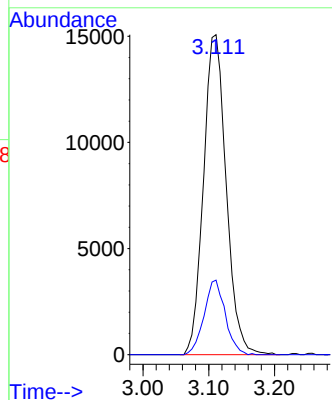
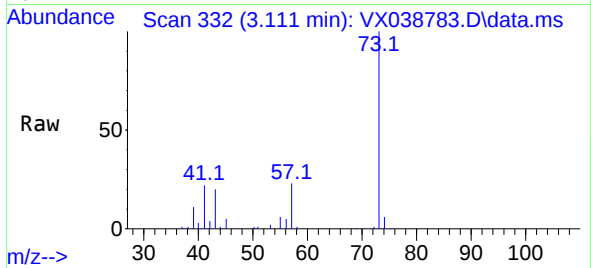




#19
Methyl tert-butyl Ether
Concen: 14.587 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

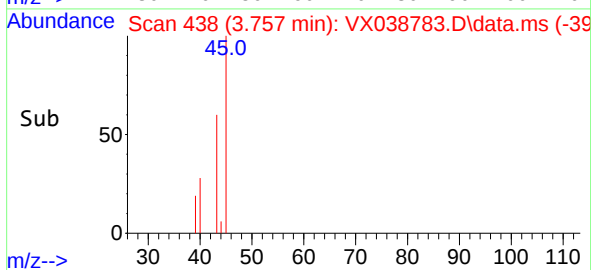
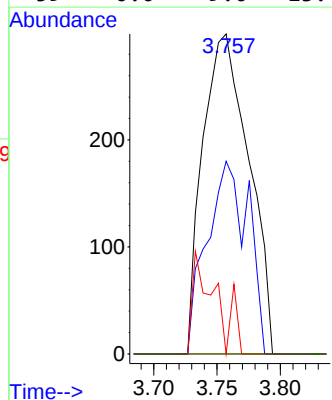
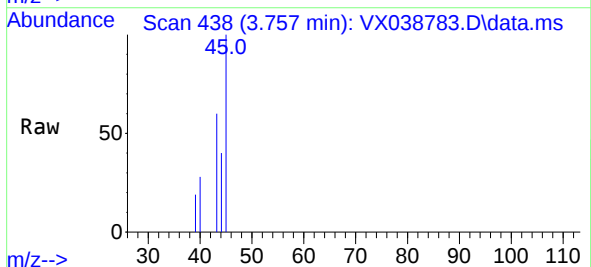
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE

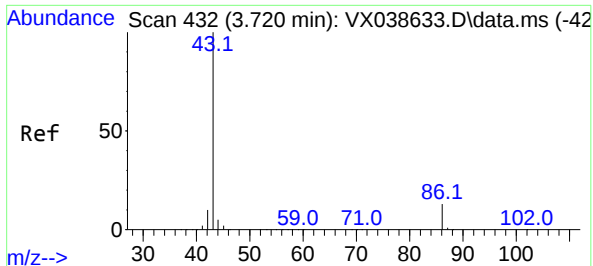
Tgt Ion: 73 Resp: 36165
Ion Ratio Lower Upper
73 100
57 23.3 17.3 25.9



#22
Diisopropyl ether
Concen: 0.362 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Tgt Ion: 45 Resp: 757
Ion Ratio Lower Upper
45 100
43 60.2 69.7 104.5#
87 0.0 20.8 31.2#
59 0.0 9.0 13.4#

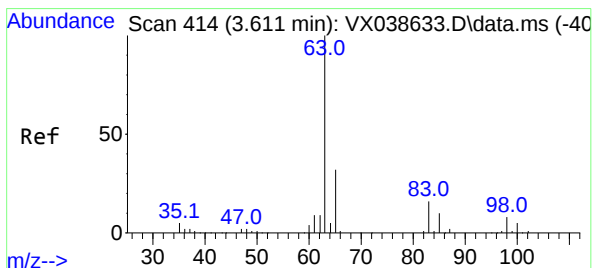
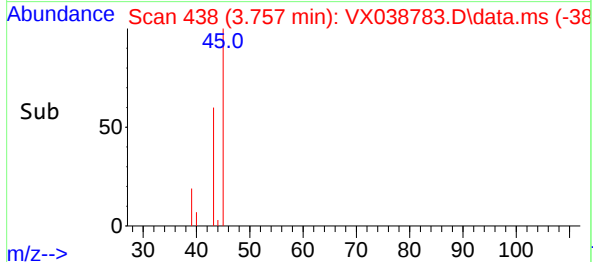
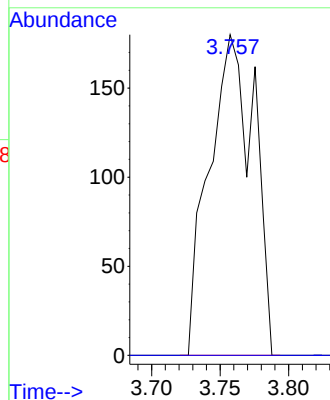
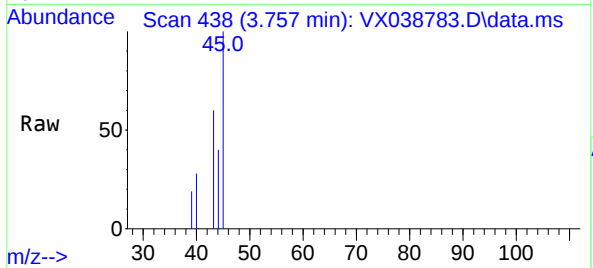




#23
 Vinyl Acetate
 Concen: 0.276 ug/l
 RT: 3.757 min Scan# 410
 Delta R.T. 0.037 min
 Lab File: VX038783.D
 Acq: 13 Nov 2023 16:30

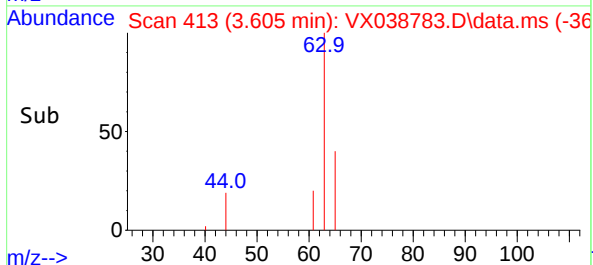
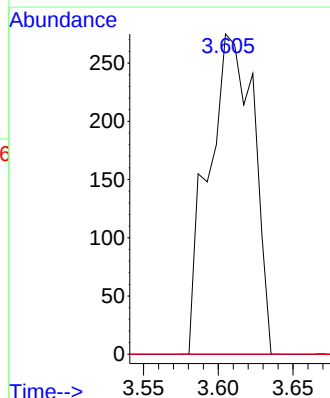
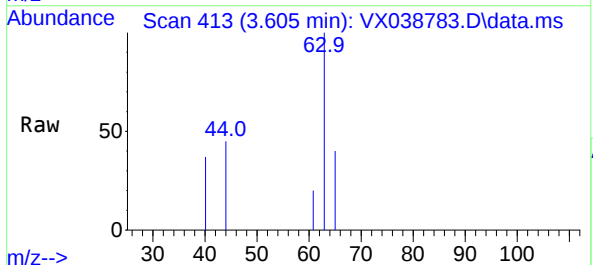
Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20231107RE

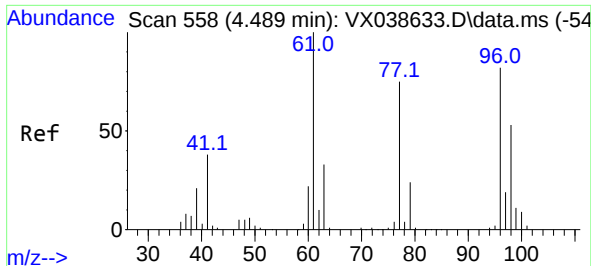
Tgt Ion: 43 Resp: 410
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#24
 1,1-Dichloroethane
 Concen: 0.417 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.006 min
 Lab File: VX038783.D
 Acq: 13 Nov 2023 16:30

Tgt Ion: 63 Resp: 578
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 0.498 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX038783.D

Acq: 13 Nov 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :

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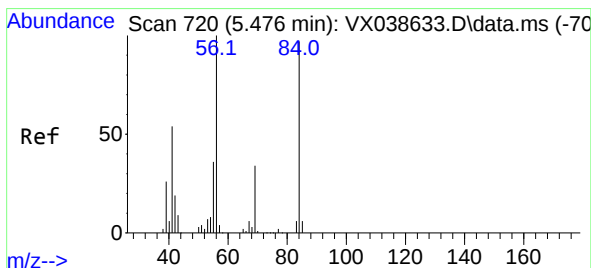
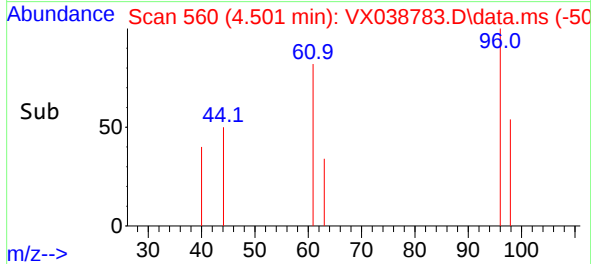
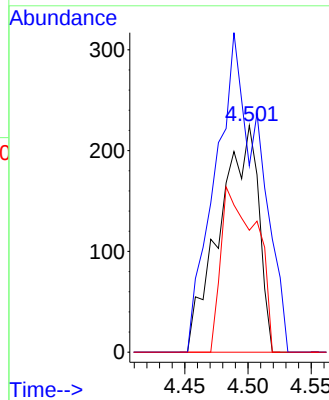
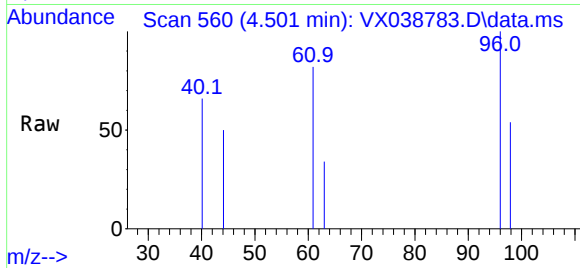
Tgt Ion: 96 Resp: 485

Ion Ratio Lower Upper

96 100

61 157.7 0.0 312.2

98 65.4 0.0 129.0



#31

Cyclohexane

Concen: 1.599 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.067 min

Lab File: VX038783.D

Acq: 13 Nov 2023 16:30

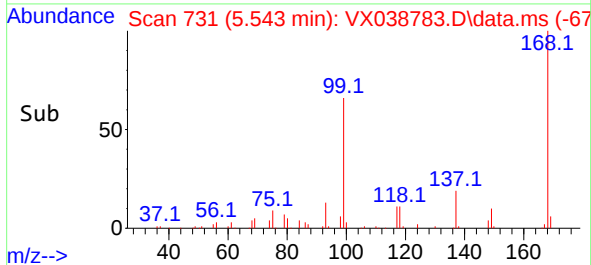
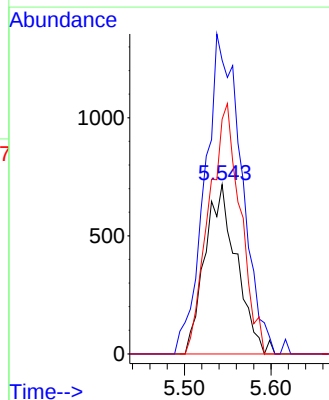
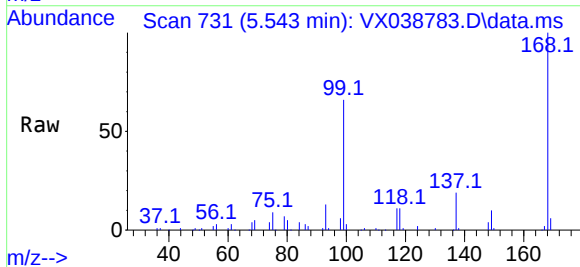
Tgt Ion: 56 Resp: 1830

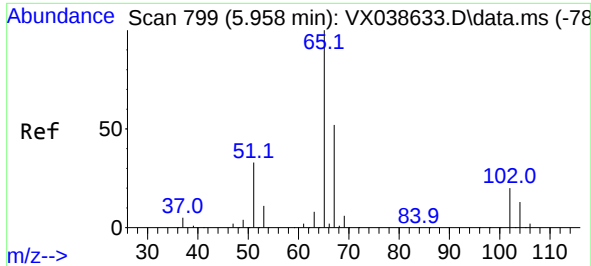
Ion Ratio Lower Upper

56 100

69 173.5 23.4 35.2#

84 138.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 59.522 ug/l

RT: 5.946 min Scan# 799

Delta R.T. -0.012 min

Lab File: VX038783.D

Acq: 13 Nov 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :

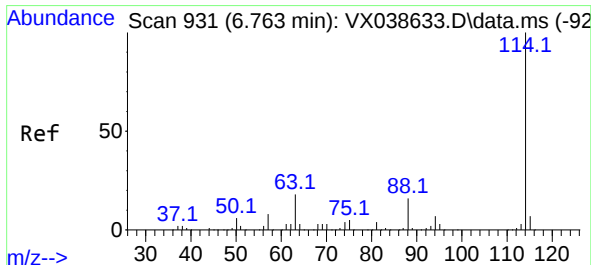
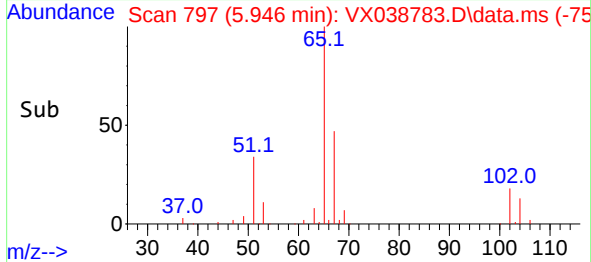
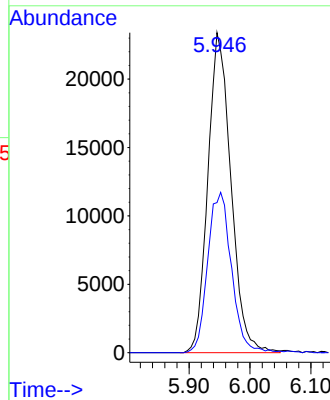
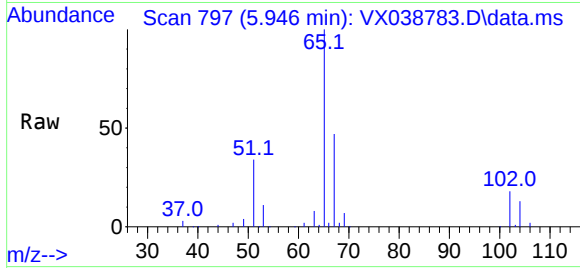
TT149S1-20231107RE

Tgt Ion: 65 Resp: 61560

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX038783.D

Acq: 13 Nov 2023 16:30

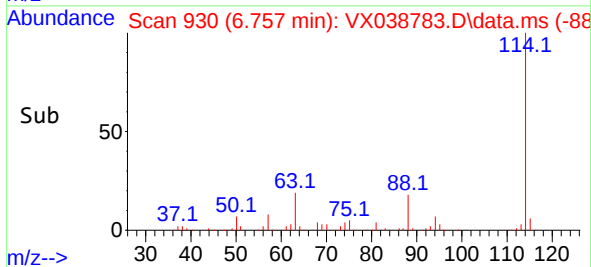
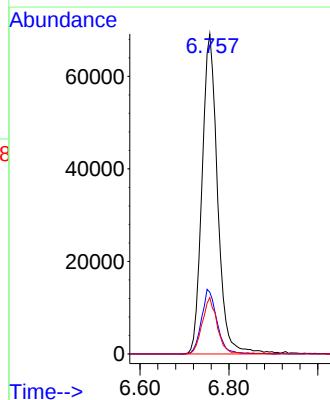
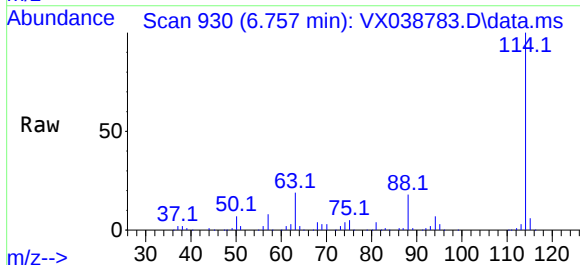
Tgt Ion: 114 Resp: 168653

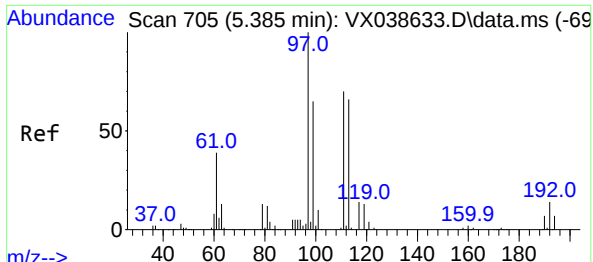
Ion Ratio Lower Upper

114 100

63 19.3 0.0 45.0

88 17.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 43.535 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038783.D

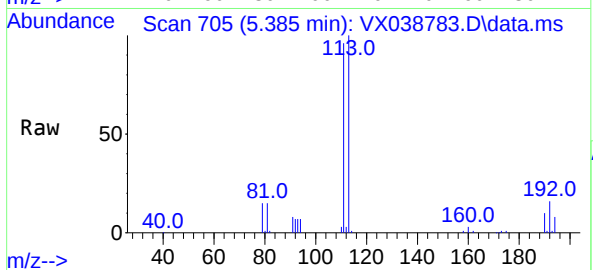
Acq: 13 Nov 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :

TT149S1-20231107RE



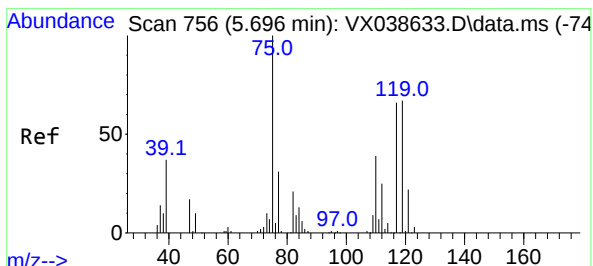
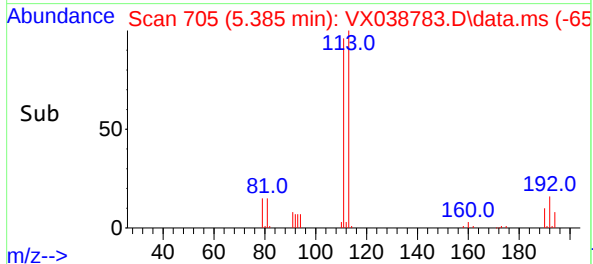
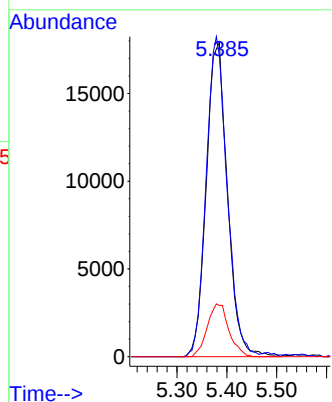
Tgt Ion:113 Resp: 52882

Ion Ratio Lower Upper

113 100

111 100.8 82.9 124.3

192 17.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.608 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.152 min

Lab File: VX038783.D

Acq: 13 Nov 2023 16:30

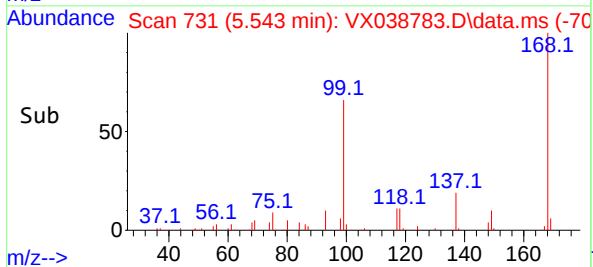
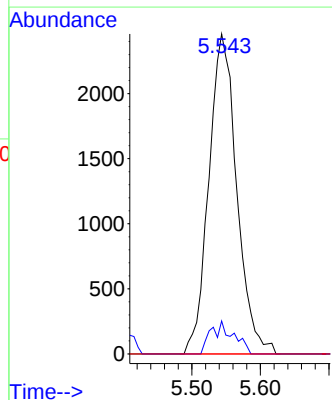
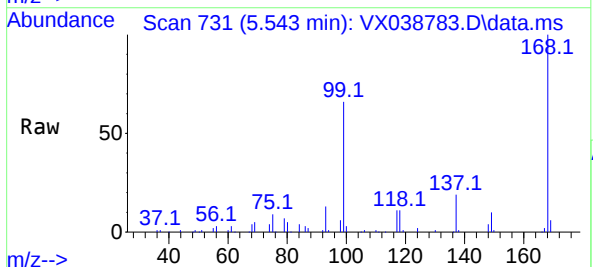
Tgt Ion: 75 Resp: 6953

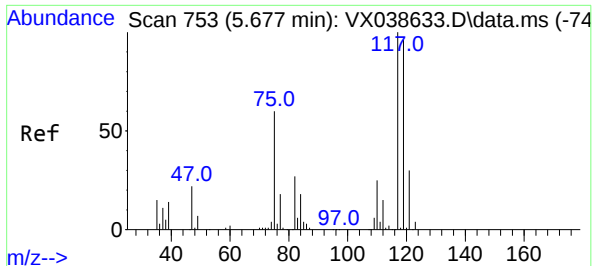
Ion Ratio Lower Upper

75 100

110 3.2 17.0 50.9#

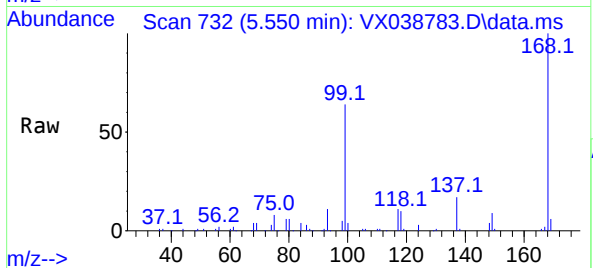
77 0.0 24.7 37.1#



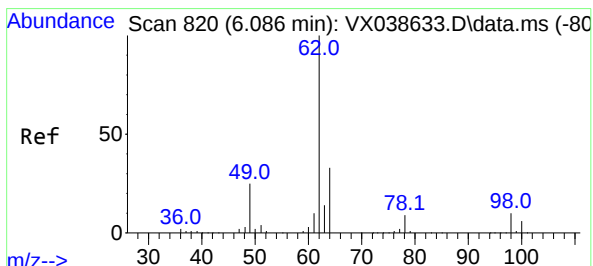
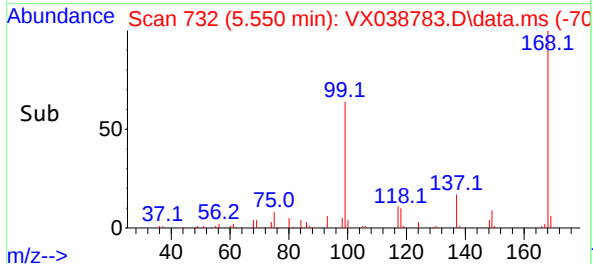
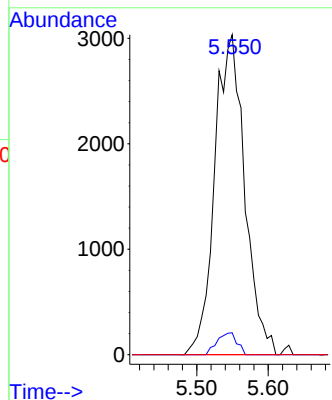


#38
Carbon Tetrachloride
Concen: 5.234 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE

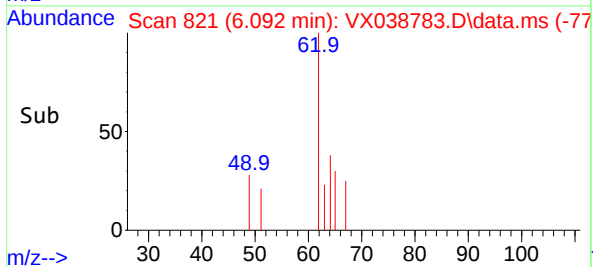
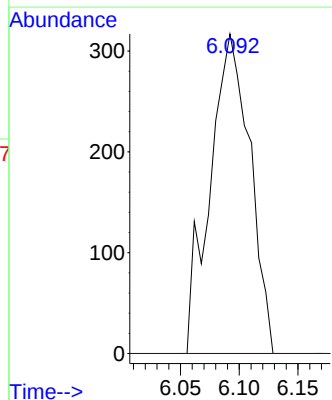
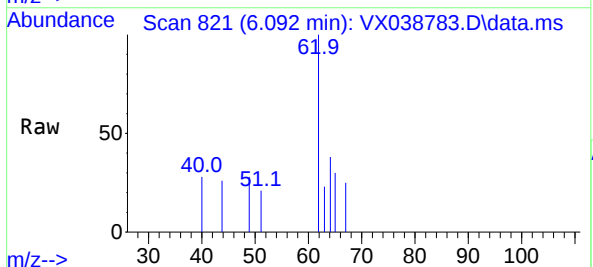


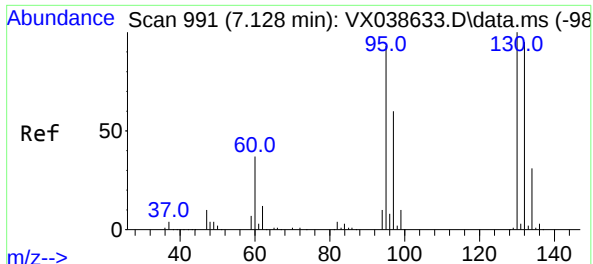
Tgt Ion:117 Resp: 8829
Ion Ratio Lower Upper
117 100
119 6.9 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.478 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Tgt Ion: 62 Resp: 749
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

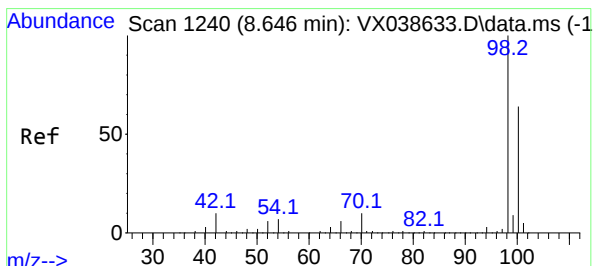
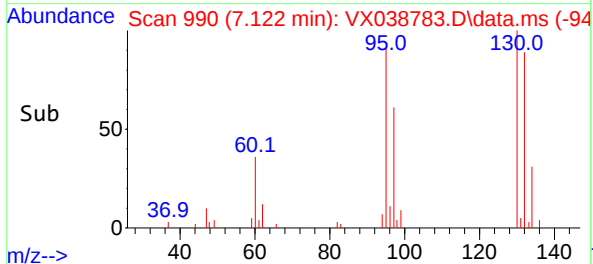
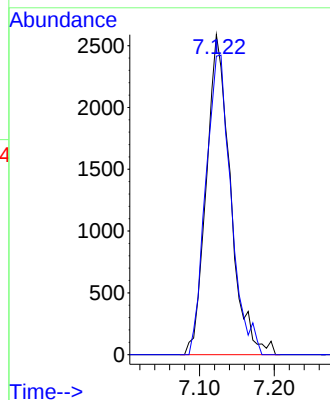
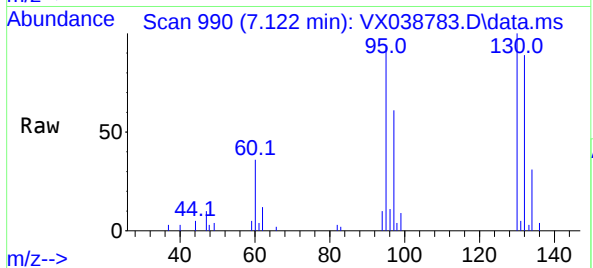




#44
Trichloroethene
Concen: 4.291 ug/l
RT: 7.122 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

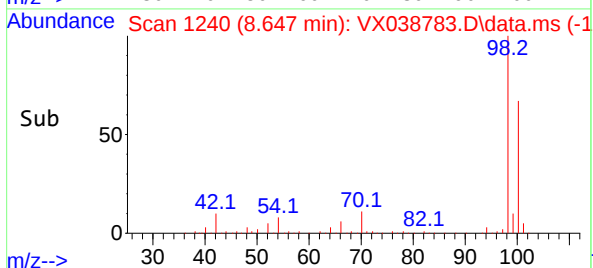
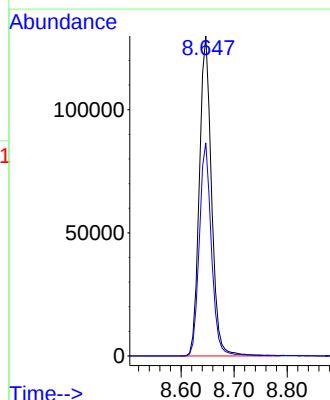
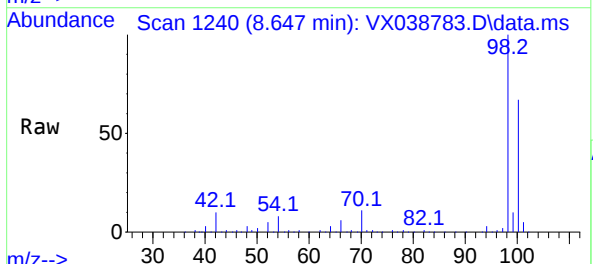
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE

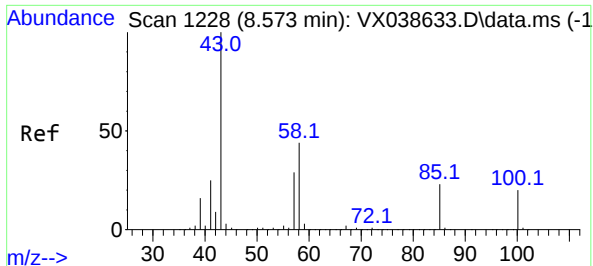
Tgt Ion:130 Resp: 5803
Ion Ratio Lower Upper
130 100
95 93.3 0.0 204.4



#50
Toluene-d8
Concen: 47.788 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Tgt Ion: 98 Resp: 207718
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

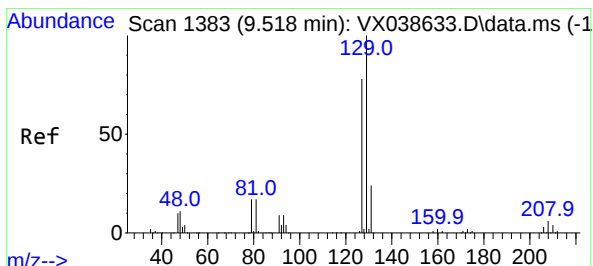
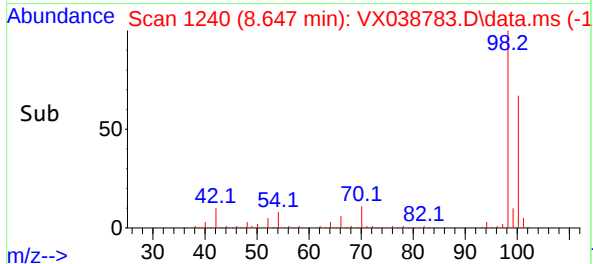
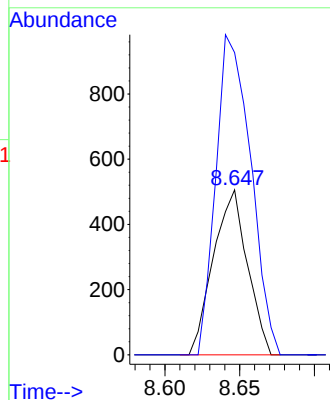
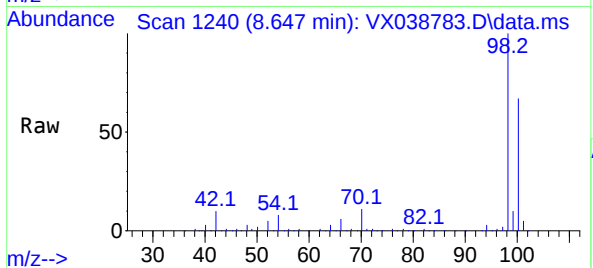




#51
4-Methyl-2-Pentanone
Concen: 0.519 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

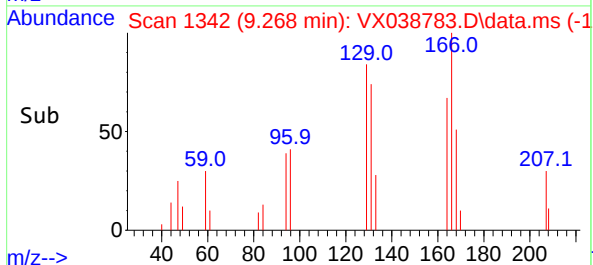
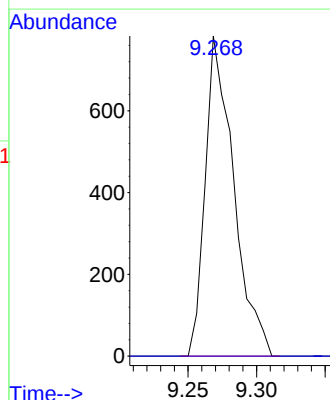
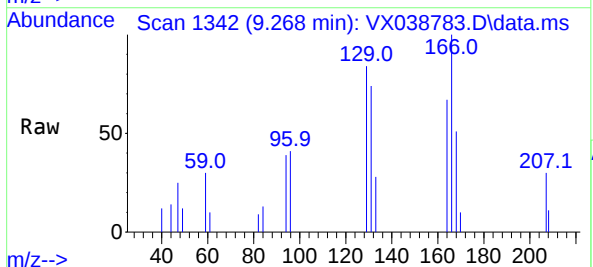
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE

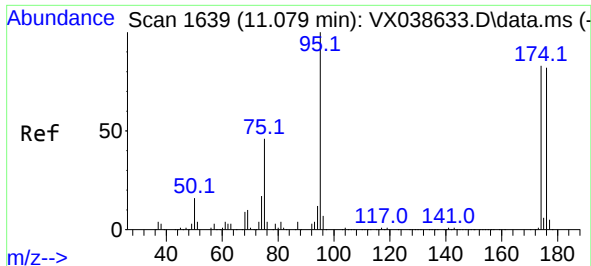
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 198.8 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.836 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Tgt Ion: 129 Resp: 1133
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

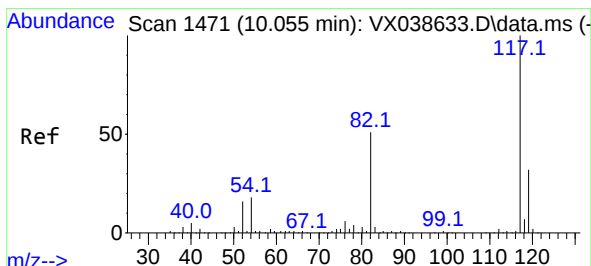
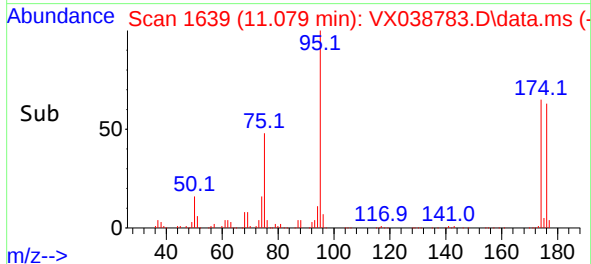
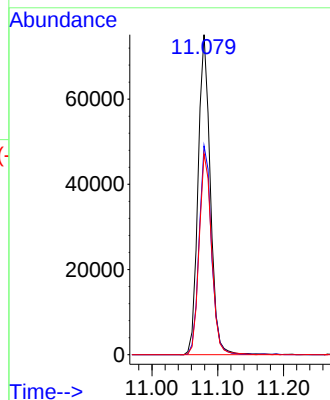
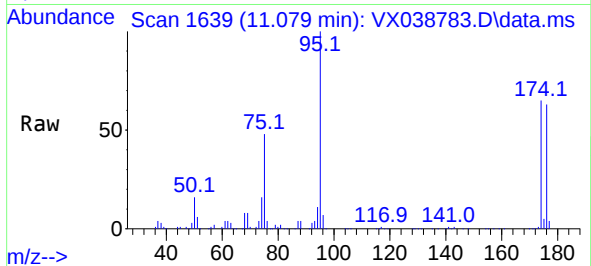




#62
4-Bromofluorobenzene
Concen: 57.535 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

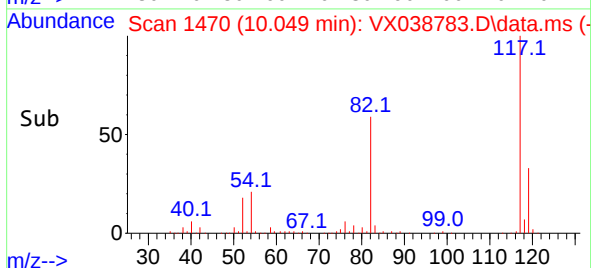
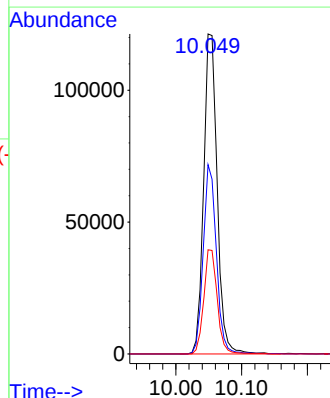
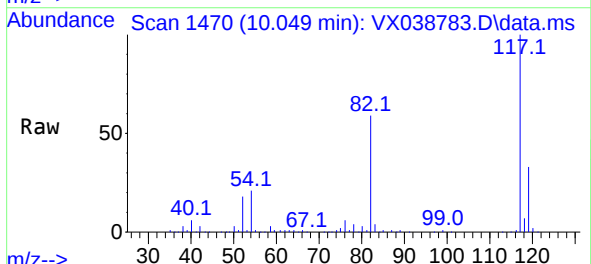
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE

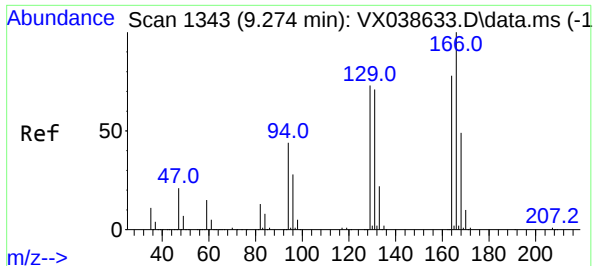
Tgt Ion: 95 Resp: 96961
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.6
176 64.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

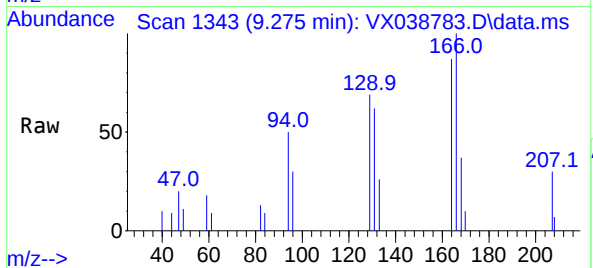
Tgt Ion: 117 Resp: 173636
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.4
119 32.6 25.5 38.3





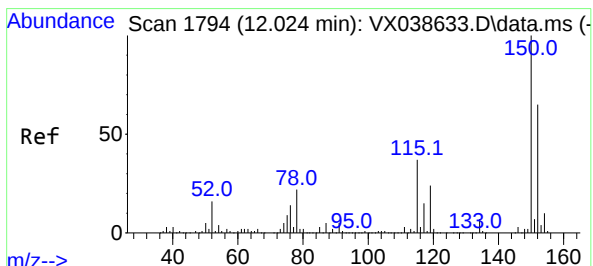
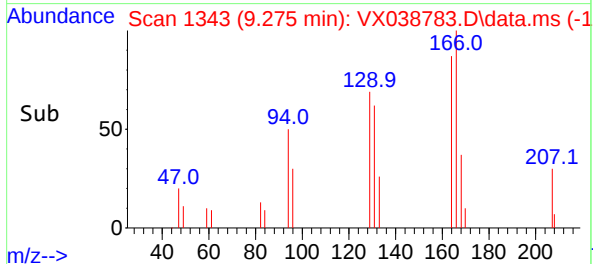
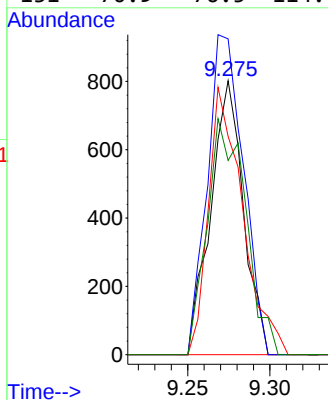
#64
Tetrachloroethene
Concen: 0.854 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE



Tgt Ion:164 Resp: 1110

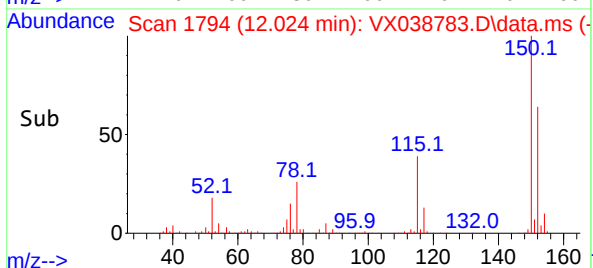
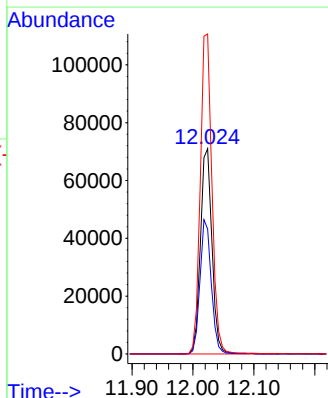
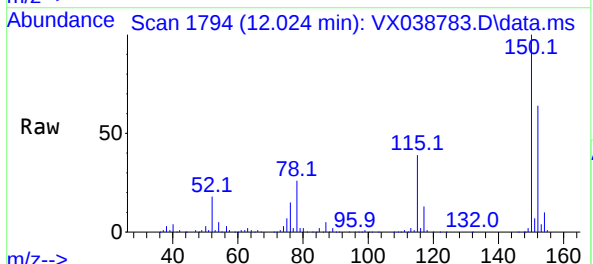
Ion	Ratio	Lower	Upper
164	100		
166	115.3	102.7	154.1
129	79.7	80.4	120.6#
131	70.9	76.5	114.7#

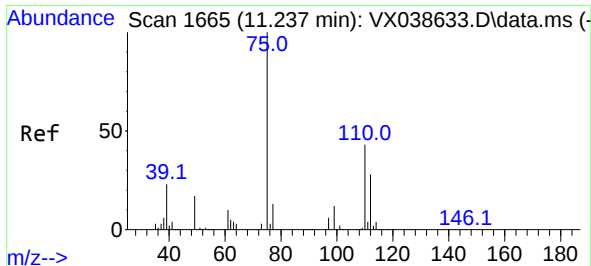


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Tgt Ion:152 Resp: 93445

Ion	Ratio	Lower	Upper
152	100		
115	63.9	43.3	129.9
150	157.2	0.0	345.0

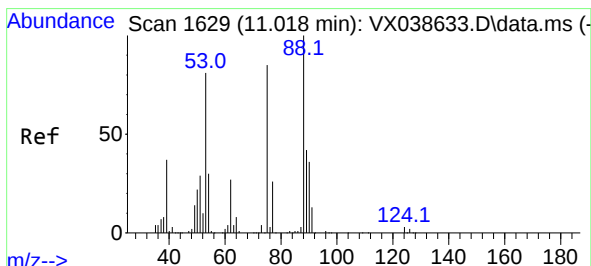
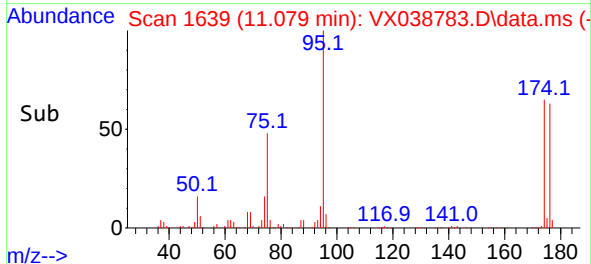
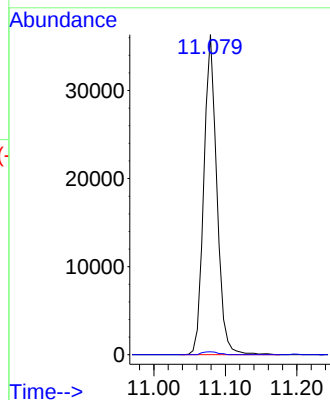
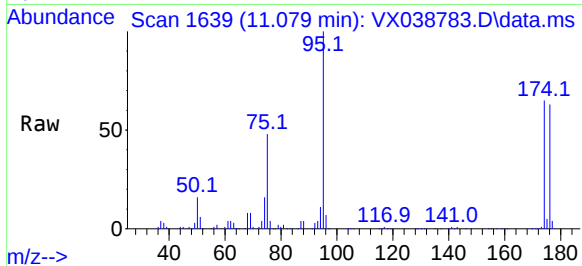




#76
1,2,3-Trichloropropane
Concen: 24.836 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

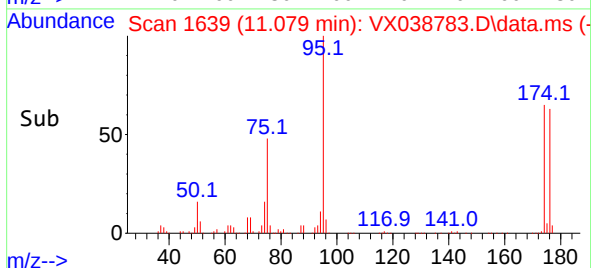
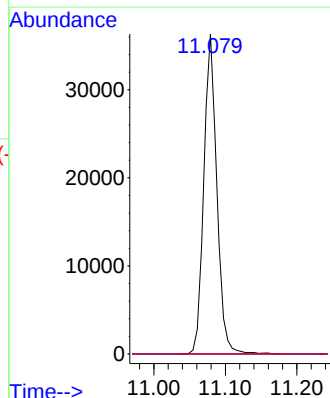
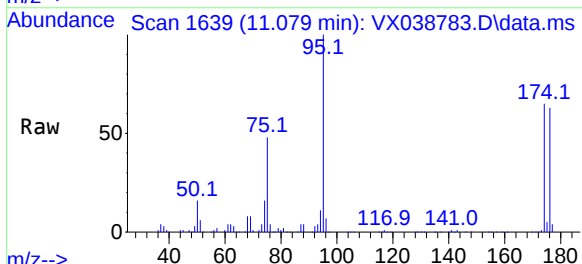
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE

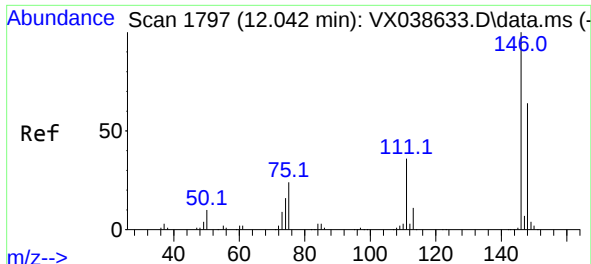
Tgt Ion: 75 Resp: 45963
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.012 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Tgt Ion: 75 Resp: 45963
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

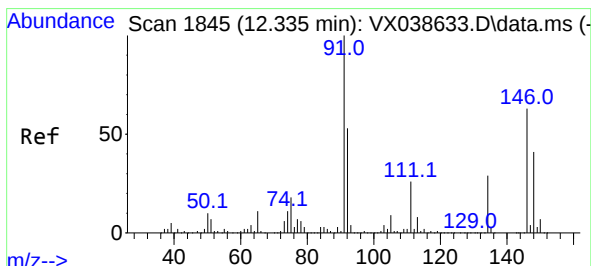
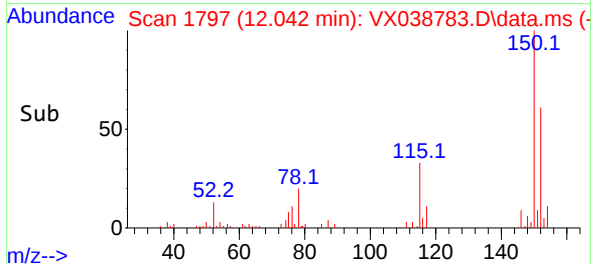
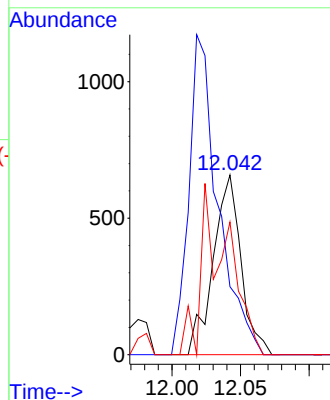
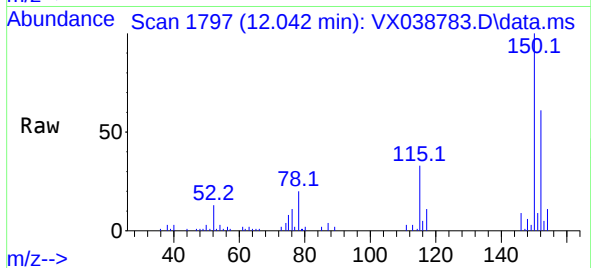




#88
1,4-Dichlorobenzene
Concen: 0.300 ug/l
RT: 12.042 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20231107RE

Tgt Ion:146 Resp: 929
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.7#
148 0.0 31.8 95.4#



#91
1,2-Dichlorobenzene
Concen: 0.250 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX038783.D
Acq: 13 Nov 2023 16:30

Tgt Ion:146 Resp: 734
Ion Ratio Lower Upper
146 100
111 44.8 22.4 67.0
148 55.9 31.6 95.0

