

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092123\
 Data File : VX037842.D
 Acq On : 21 Sep 2023 10:08
 Operator : JC/MD
 Sample : VX0921MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 22 04:38:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

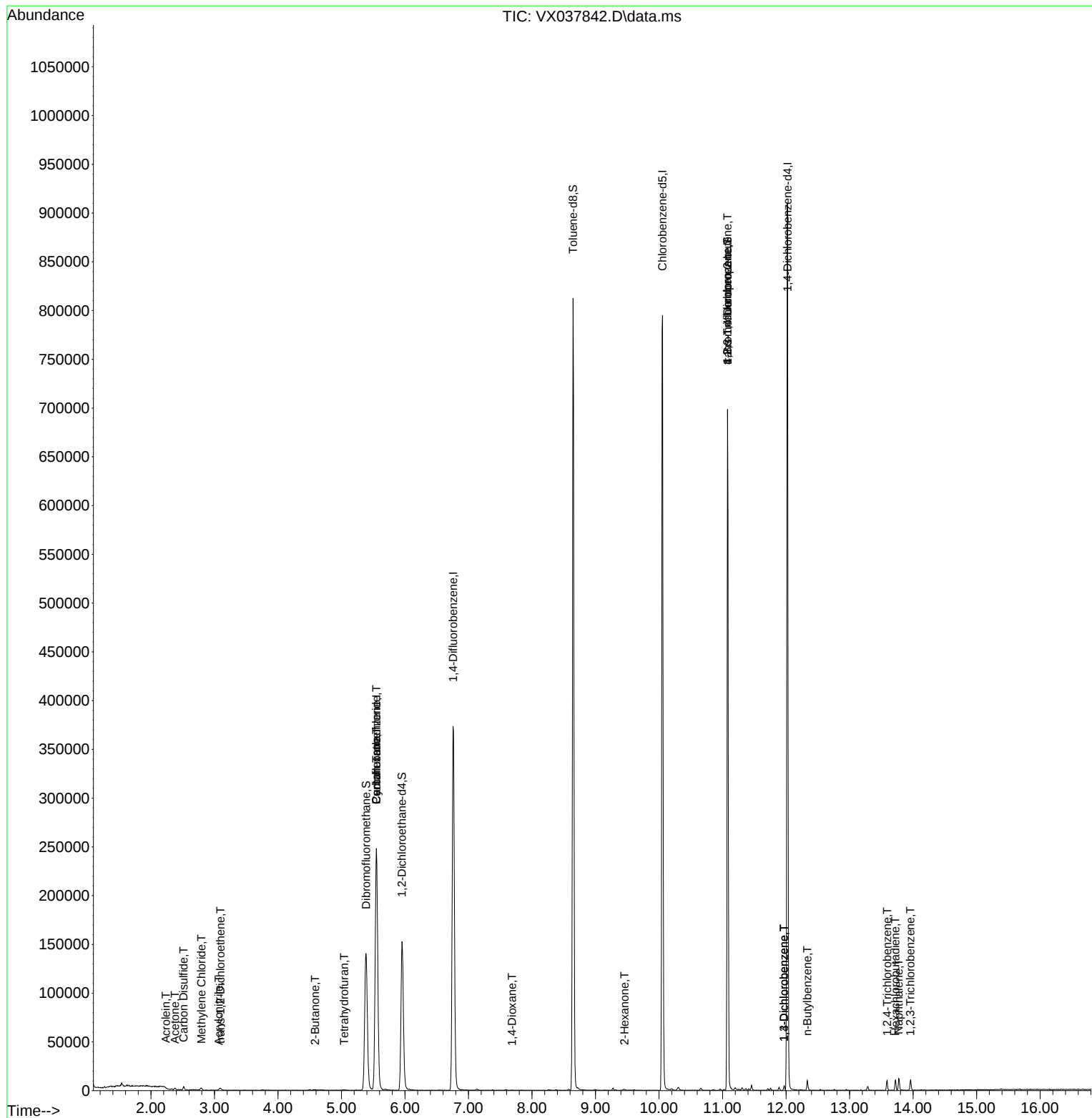
Internal Standards						
1) Pentafluorobenzene	5.550	168	240145	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	399159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	378809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	192489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	145213	46.024	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.040%
35) Dibromofluoromethane	5.385	113	125637	47.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.080%
50) Toluene-d8	8.647	98	485485	48.922	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.840%
62) 4-Bromofluorobenzene	11.079	95	178627	49.535	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.080%
Target Compounds						
						Qvalue
13) Acrolein	2.233	56	641	0.958	ug/l	# 54
15) Acrylonitrile	3.069	53	1017	0.675	ug/l	98
16) Acetone	2.380	43	1841	1.213	ug/l	# 87
17) Carbon Disulfide	2.514	76	3777	0.643	ug/l	99
20) Methylene Chloride	2.794	84	1115	0.372	ug/l	# 80
21) trans-1,2-Dichloroethene	3.093	96	796	0.306	ug/l	# 83
25) 2-Butanone	4.587	43	565	0.264	ug/l	98
29) Tetrahydrofuran	5.044	42	437	0.328	ug/l	# 38
31) Cyclohexane	5.550	56	5411	1.336	ug/l	# 14
38) Carbon Tetrachloride	5.550	117	24264	6.303	ug/l	# 14
49) 1,4-Dioxane	7.684	88	170	2.097	ug/l	# 59
59) 2-Hexanone	9.458	43	938	0.294	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	90512	20.330	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	90512	65.125	ug/l	# 5
87) 1,3-Dichlorobenzene	11.969	146	1720	0.264	ug/l	94
88) 1,4-Dichlorobenzene	11.969	146	1720	0.258	ug/l	95
89) n-Butylbenzene	12.335	91	3374	0.316	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	2580	0.658	ug/l	93
94) Hexachlorobutadiene	13.719	225	1591	0.869	ug/l	93
95) Naphthalene	13.774	128	8559	0.646	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	2943	0.730	ug/l	97

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

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Instrument :
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ClientSampleId :

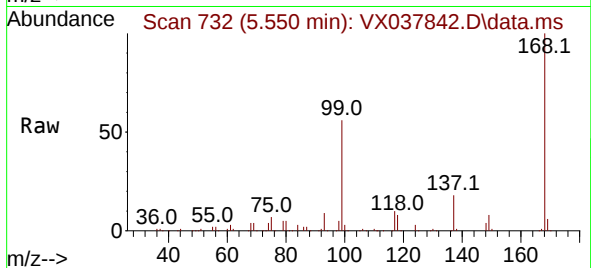
Quant Time: Sep 22 04:38:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
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QLast Update : Sat Sep 16 04:55:44 2023
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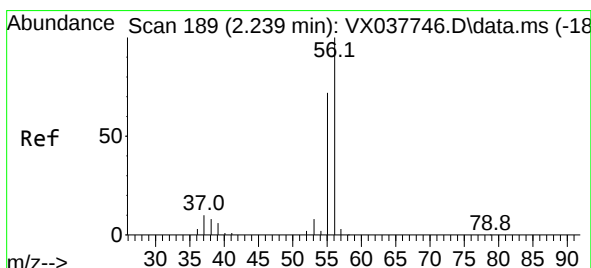
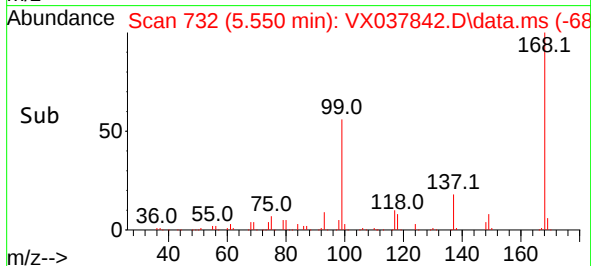
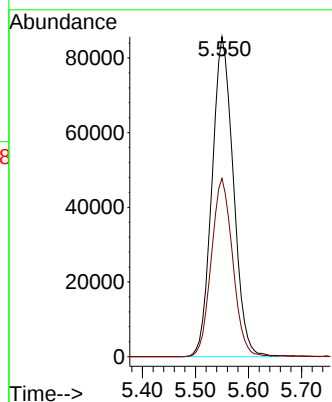


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

Instrument :
MSVOA_X
ClientSampleId :

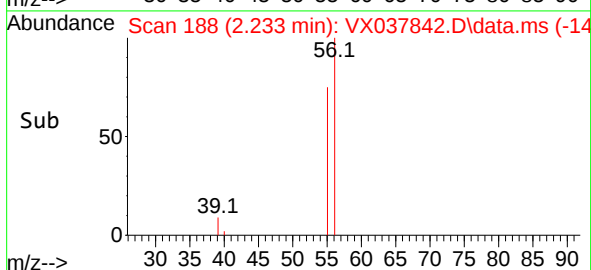
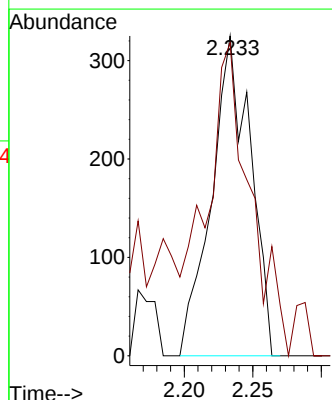
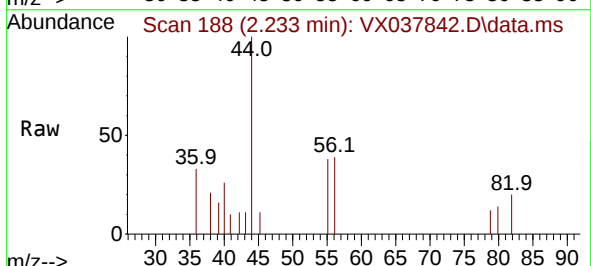


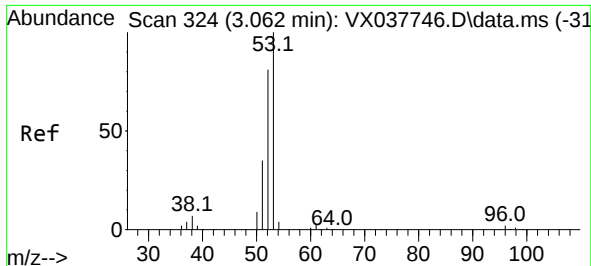
Tgt Ion:168 Resp: 240145
Ion Ratio Lower Upper
168 100
99 55.7 56.6 85.0#



#13
Acrolein
Concen: 0.958 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

Tgt Ion: 56 Resp: 641
Ion Ratio Lower Upper
56 100
55 109.5 57.1 85.7#





#15

Acrylonitrile

Concen: 0.675 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX037842.D

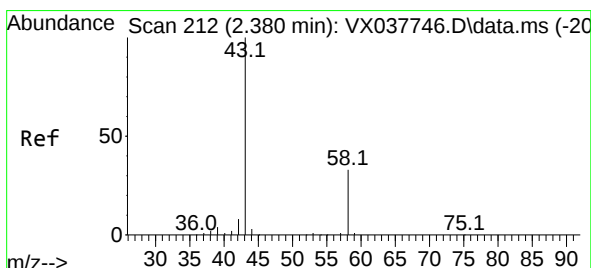
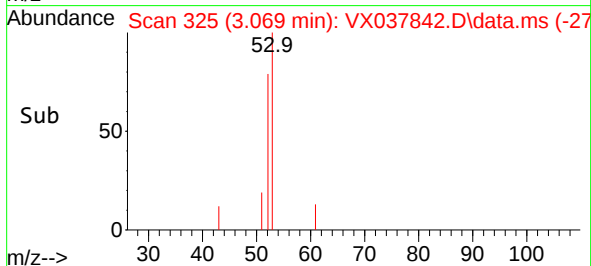
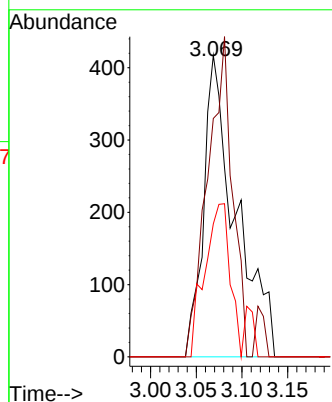
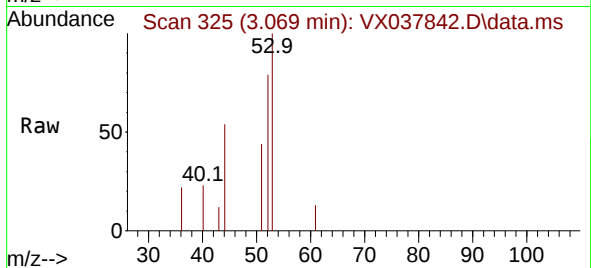
Acq: 21 Sep 2023 10:08

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp: 1017
Ion Ratio	Lower Upper
53	100
52	82.2 66.0 99.0
51	40.1 29.8 44.6



#16

Acetone

Concen: 1.213 ug/l

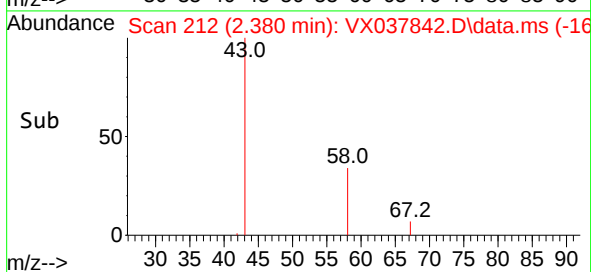
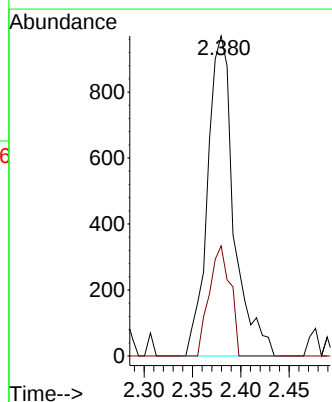
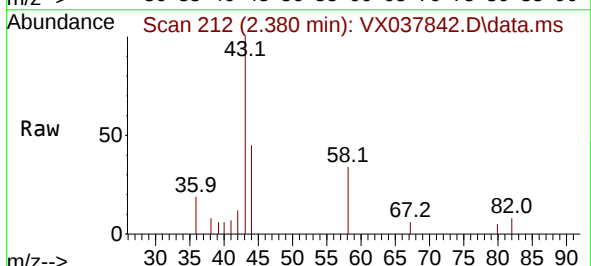
RT: 2.380 min Scan# 212

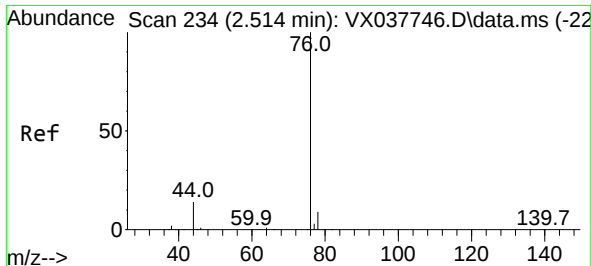
Delta R.T. 0.000 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

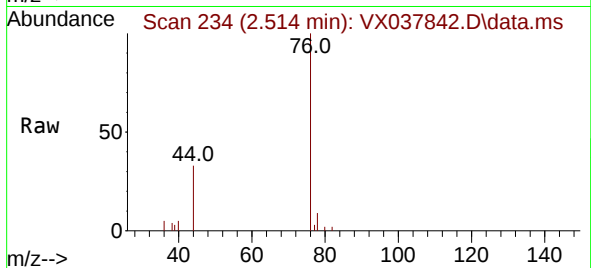
Tgt Ion: 43	Resp: 1841
Ion Ratio	Lower Upper
43	100
58	34.4 21.9 32.9#



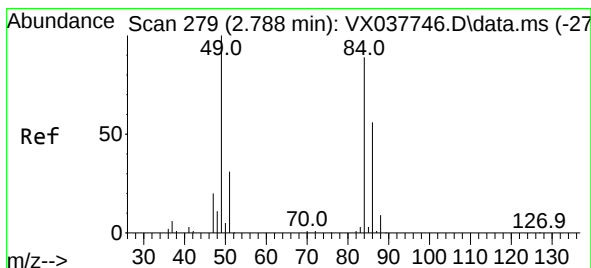
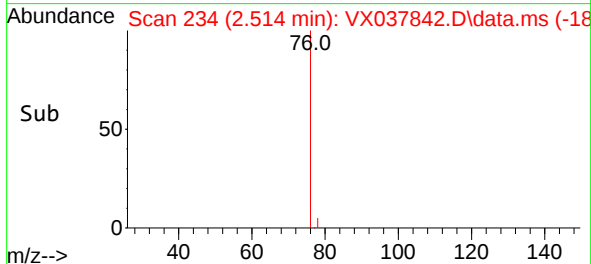
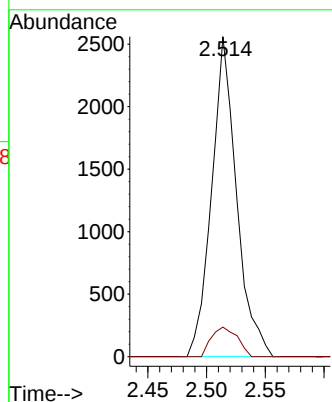


#17
Carbon Disulfide
Concen: 0.643 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

Instrument :
MSVOA_X
ClientSampleId :

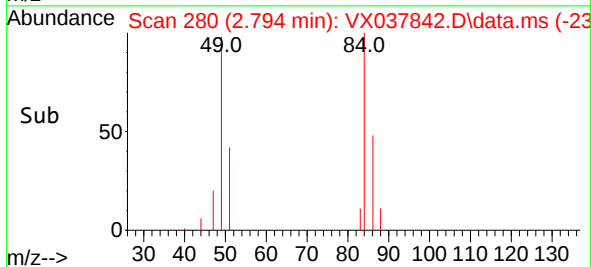
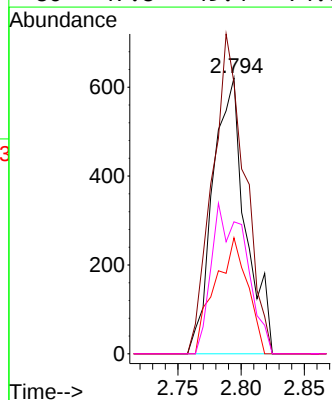
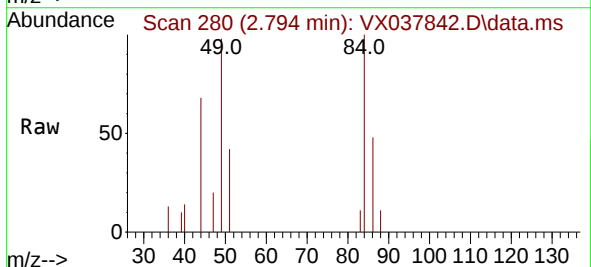


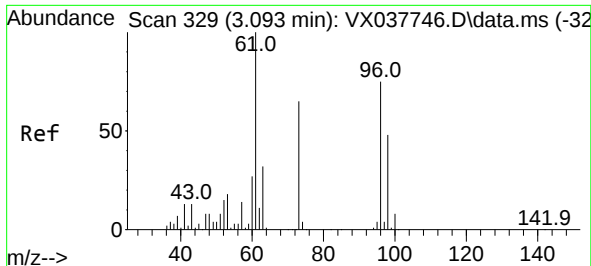
Tgt Ion: 76 Resp: 3777
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

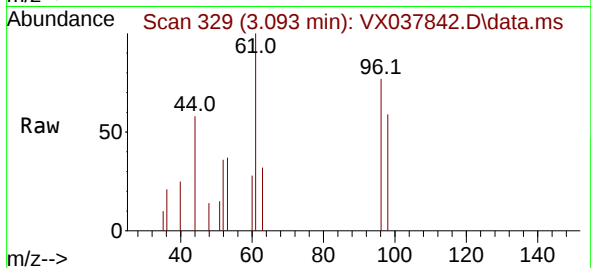
Tgt Ion: 84 Resp: 1115
Ion Ratio Lower Upper
84 100
49 98.2 103.6 155.4#
51 42.0 33.8 50.6
86 47.8 49.4 74.0#



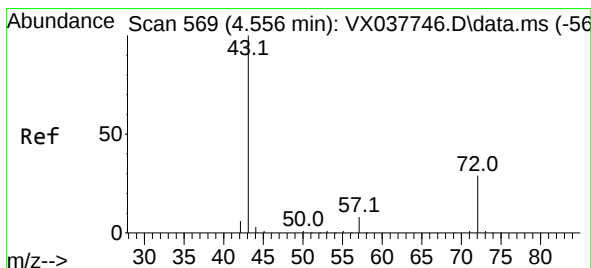
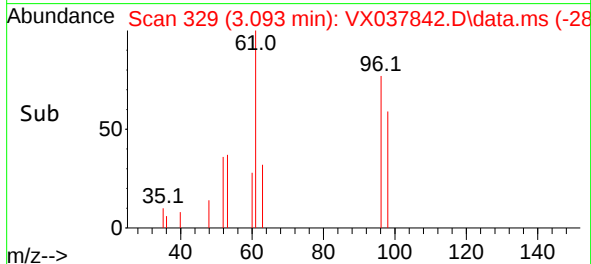
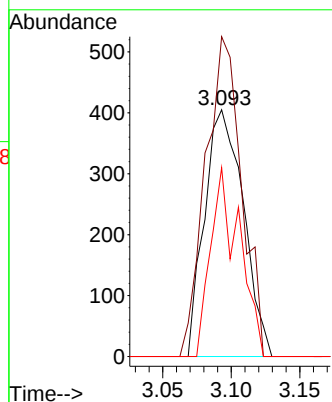


#21
trans-1,2-Dichloroethene
Concen: 0.306 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

Instrument :
MSVOA_X
ClientSampleId :

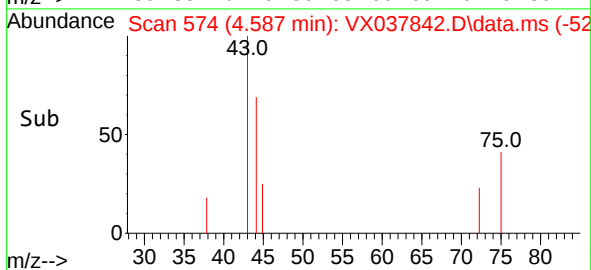
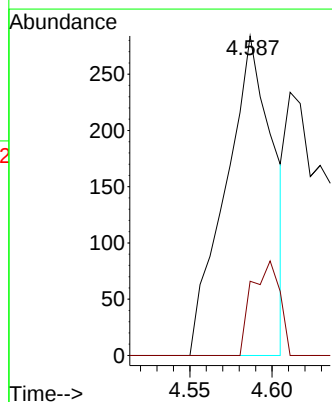
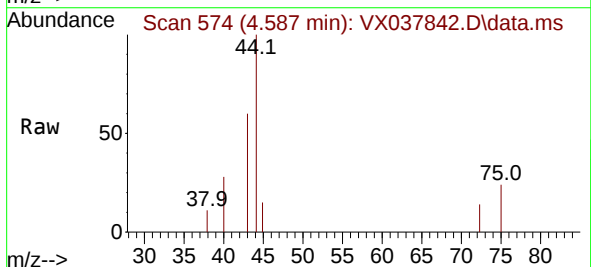


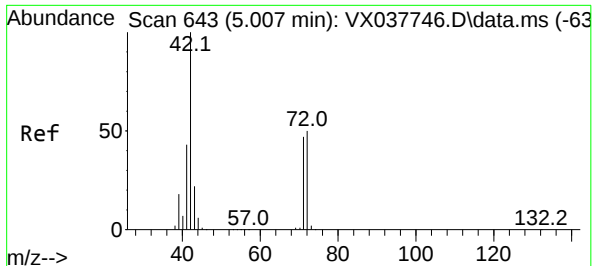
Tgt Ion: 96 Resp: 796
Ion Ratio Lower Upper
96 100
61 129.6 119.2 178.8
98 76.5 48.7 73.1#



#25
2-Butanone
Concen: 0.264 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

Tgt Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
72 23.2 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.328 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.030 min

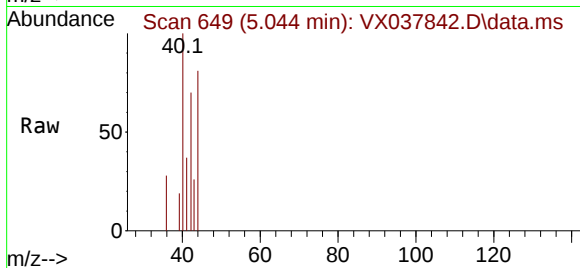
Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

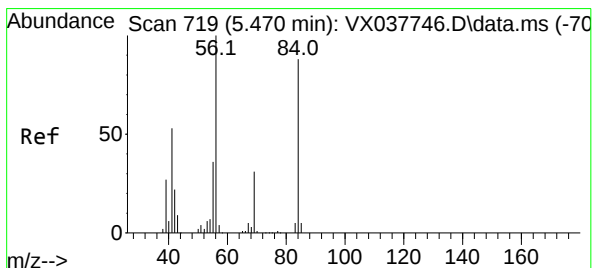
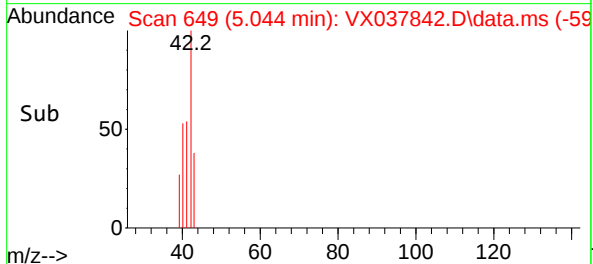
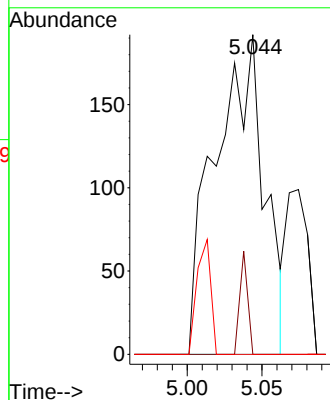
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	437
Ion	Ratio	Lower	Upper
42	100		
72	5.3	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.336 ug/l

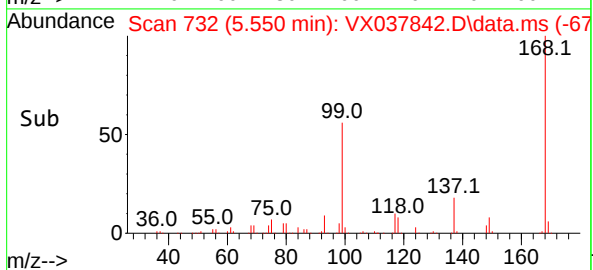
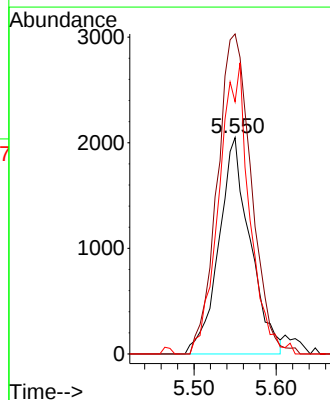
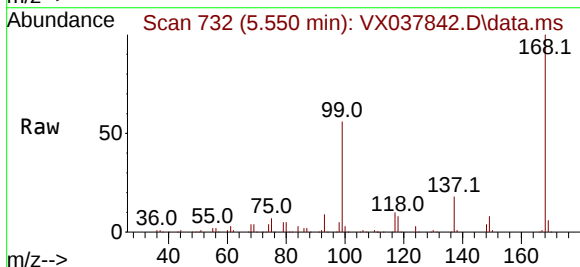
RT: 5.550 min Scan# 732

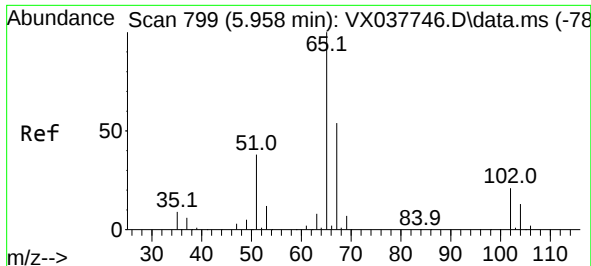
Delta R.T. 0.079 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

Tgt Ion:	56	Resp:	5411
Ion	Ratio	Lower	Upper
56	100		
69	147.9	23.4	35.2#
84	116.6	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.024 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

Instrument :

MSVOA_X

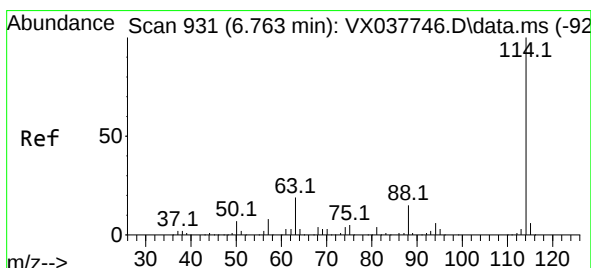
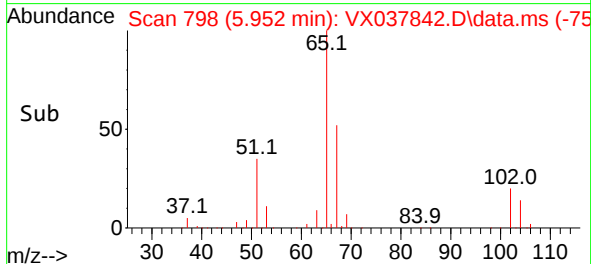
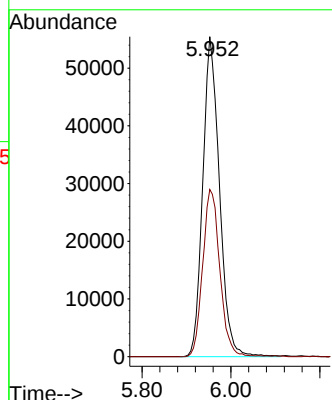
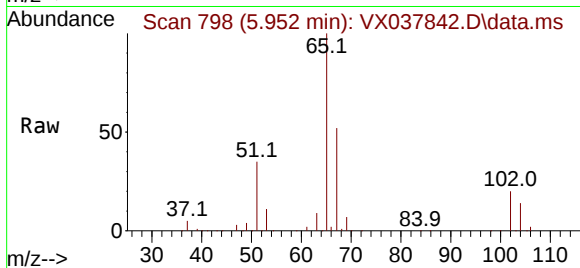
ClientSampleId :

Tgt Ion: 65 Resp: 145213

Ion Ratio Lower Upper

65 100

67 53.7 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: VX037842.D

Acq: 21 Sep 2023 10:08

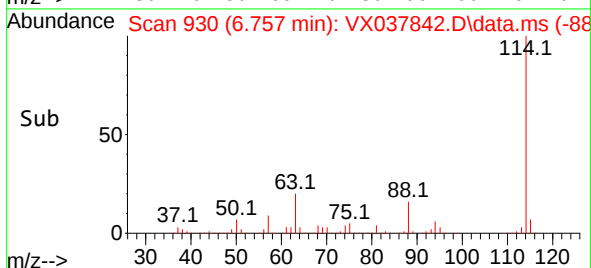
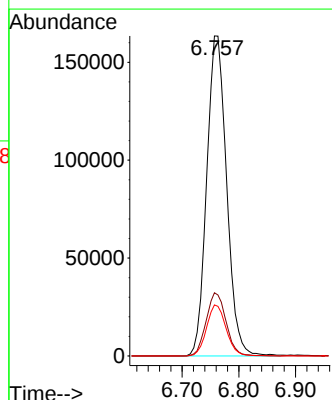
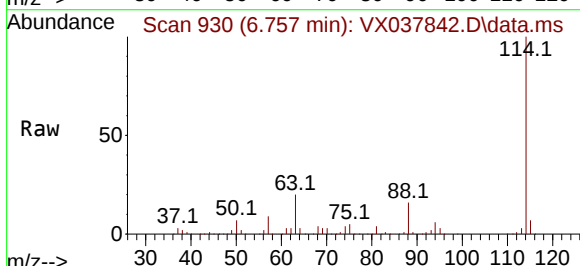
Tgt Ion: 114 Resp: 399159

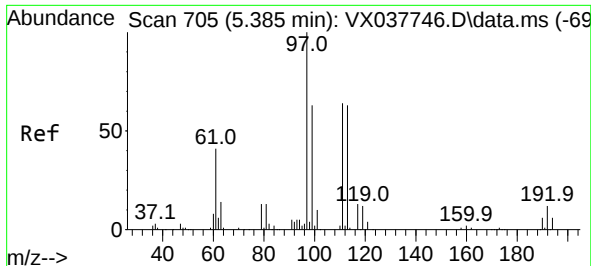
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

88 16.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.041 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

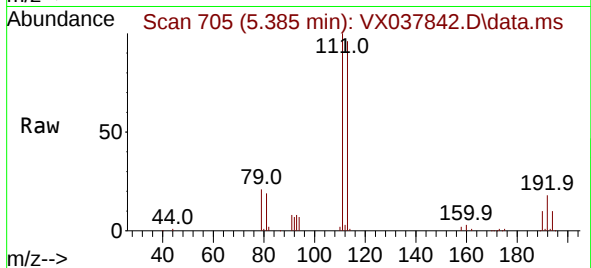
Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

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MSVOA_X

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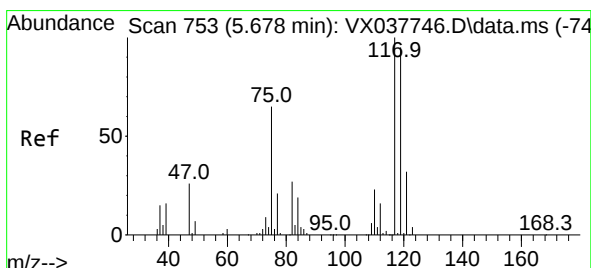
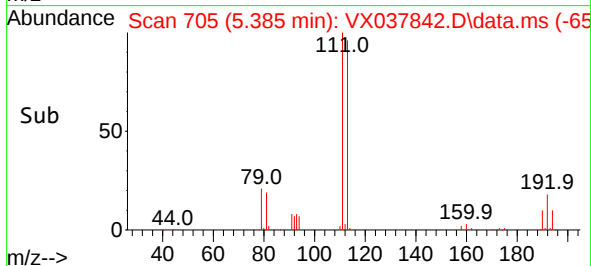
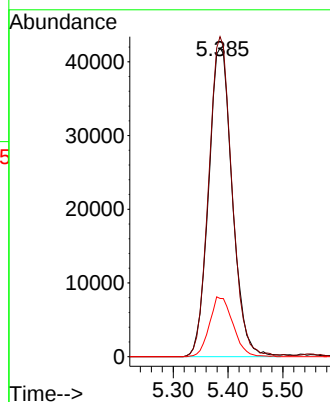
Tgt Ion:113 Resp: 125637

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

192 19.2 13.3 19.9



#38

Carbon Tetrachloride

Concen: 6.303 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

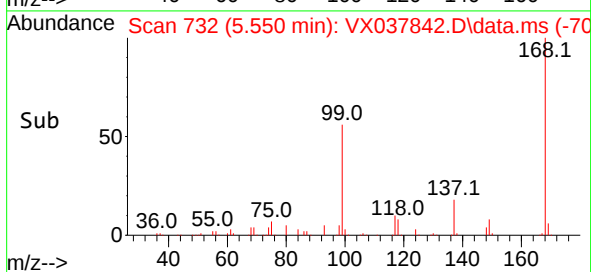
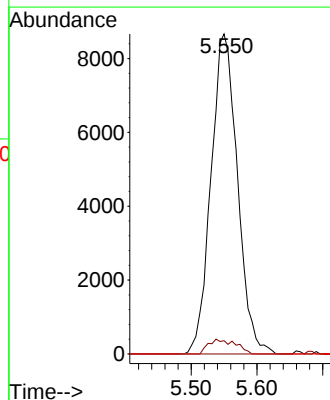
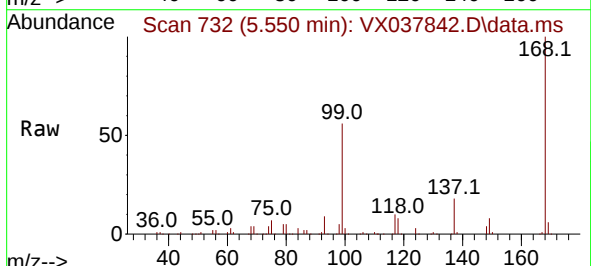
Tgt Ion:117 Resp: 24264

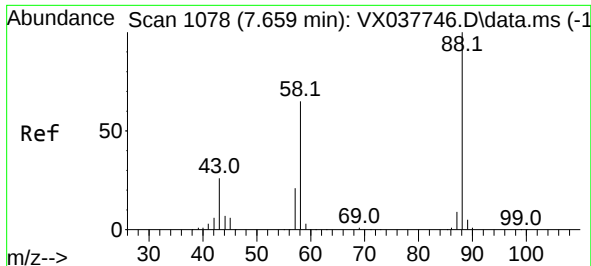
Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.2#

121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 2.097 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. 0.012 min

Lab File: VX037842.D

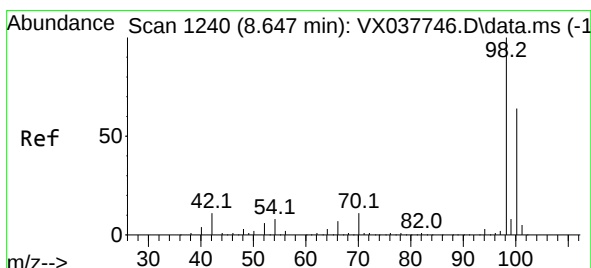
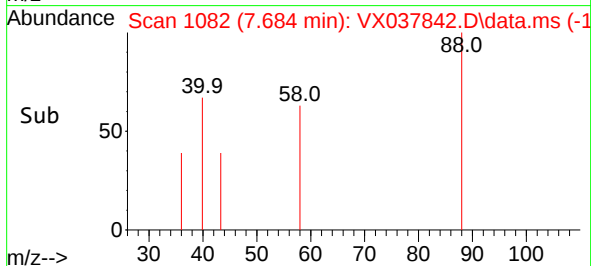
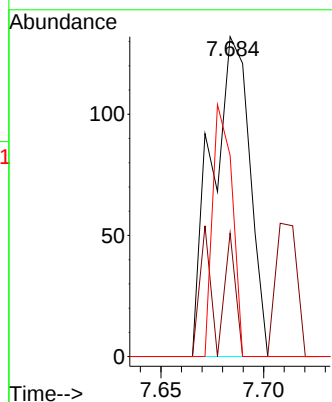
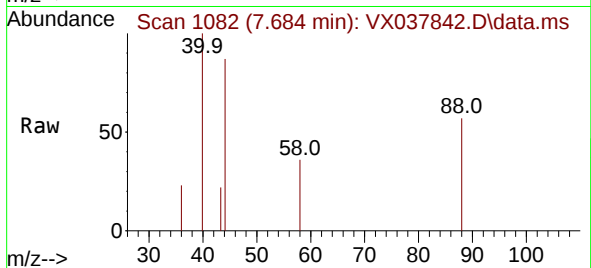
Acq: 21 Sep 2023 10:08

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88	Resp: 170
Ion Ratio	Lower Upper
88	100
43	22.4 0.0 0.0#
58	40.0 60.1 90.1#



#50

Toluene-d8

Concen: 48.922 ug/l

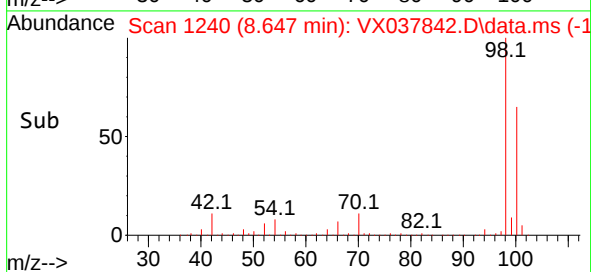
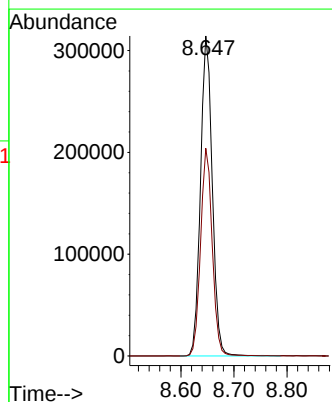
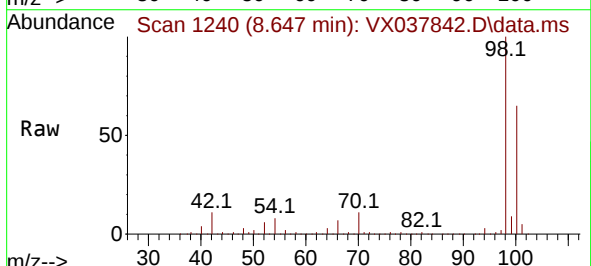
RT: 8.647 min Scan# 1240

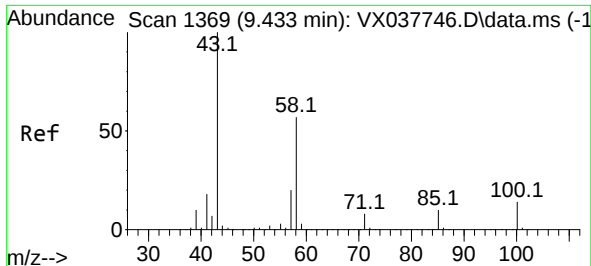
Delta R.T. 0.000 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

Tgt Ion: 98	Resp: 485485
Ion Ratio	Lower Upper
98	100
100	64.3 53.1 79.7





#59

2-Hexanone

Concen: 0.294 ug/l

RT: 9.458 min Scan# 11

Delta R.T. 0.024 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

Instrument :

MSVOA_X

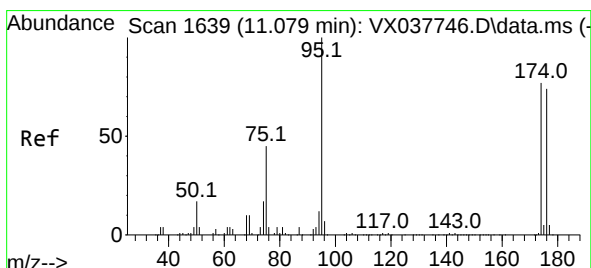
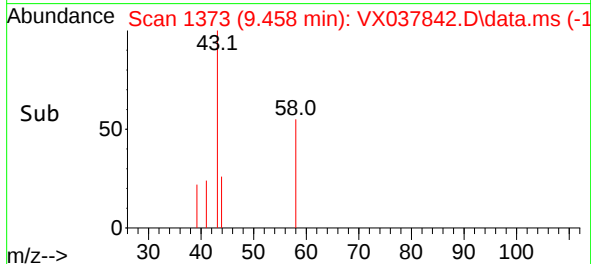
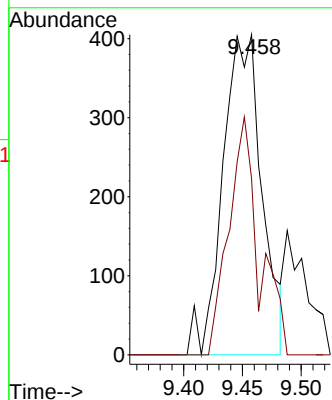
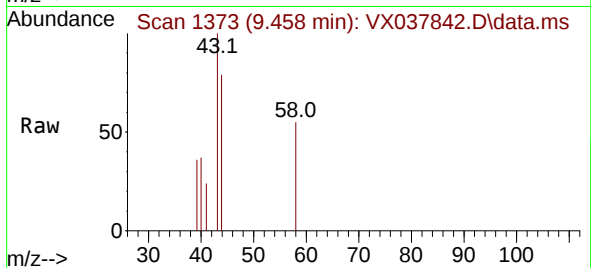
ClientSampleId :

Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

58 57.4 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 49.535 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

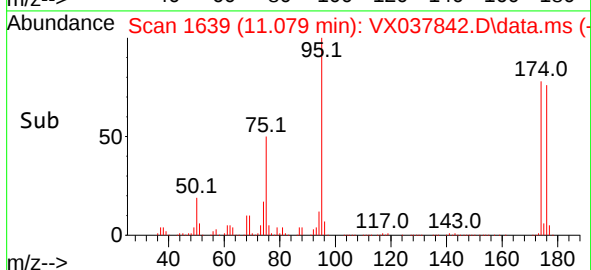
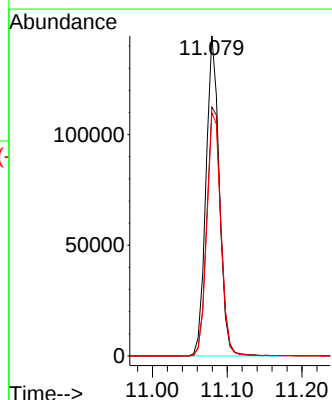
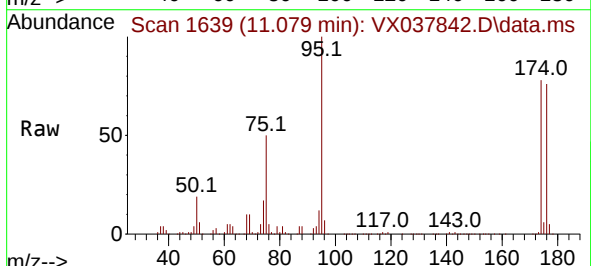
Tgt Ion: 95 Resp: 178627

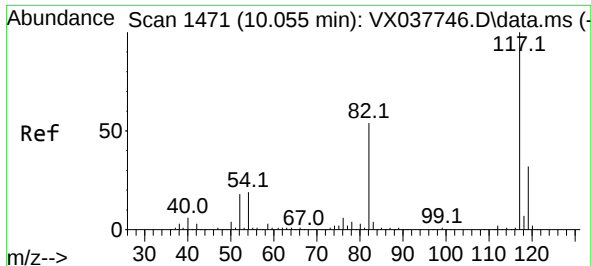
Ion Ratio Lower Upper

95 100

174 82.6 0.0 135.6

176 79.6 0.0 131.0

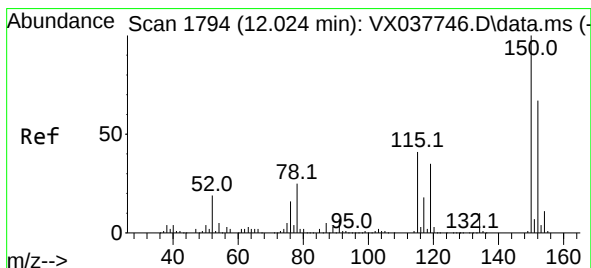
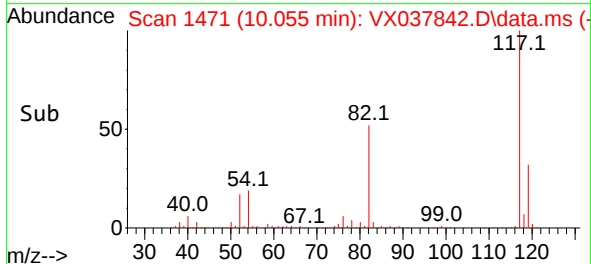
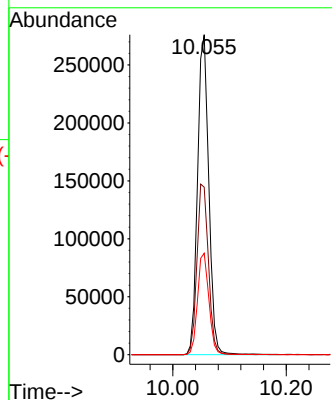
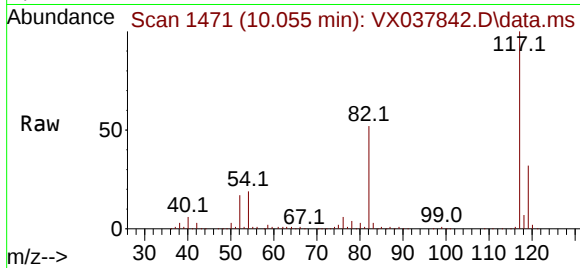




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

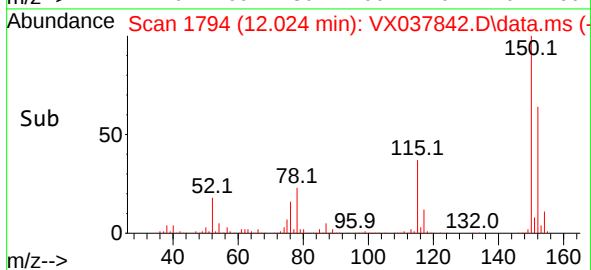
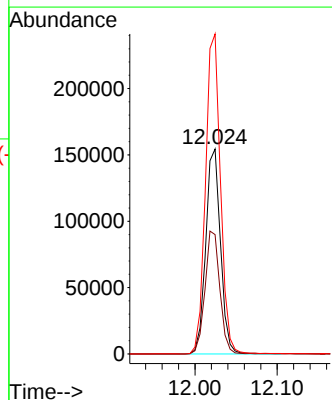
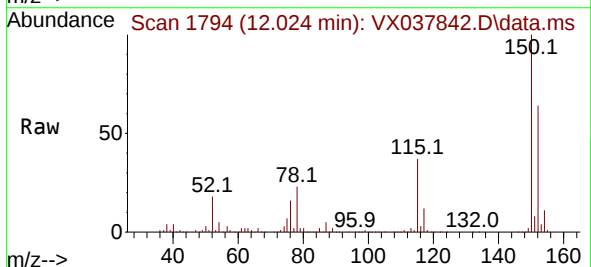
Instrument :
MSVOA_X
ClientSampleId :

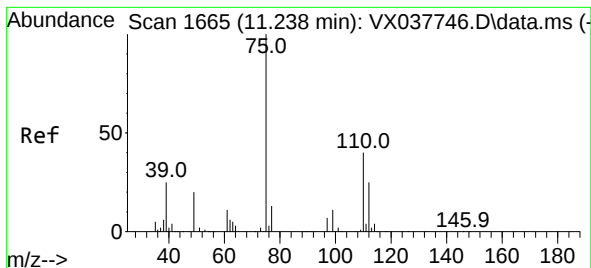
Tgt Ion:117 Resp: 378809
Ion Ratio Lower Upper
117 100
82 52.4 46.2 69.4
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

Tgt Ion:152 Resp: 192489
Ion Ratio Lower Upper
152 100
115 60.2 43.3 129.9
150 158.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.330 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

Instrument :

MSVOA_X

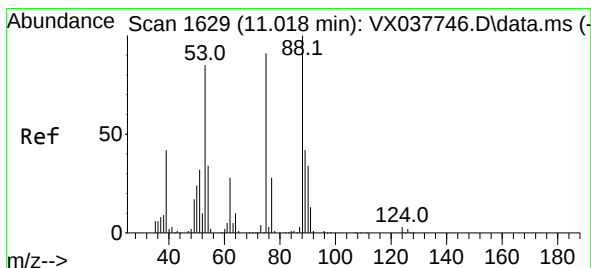
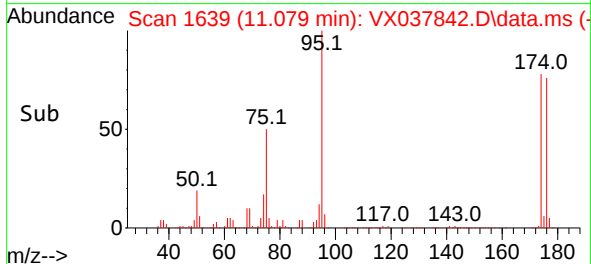
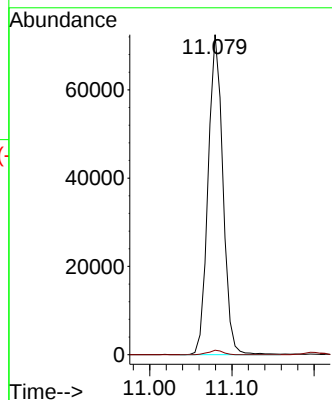
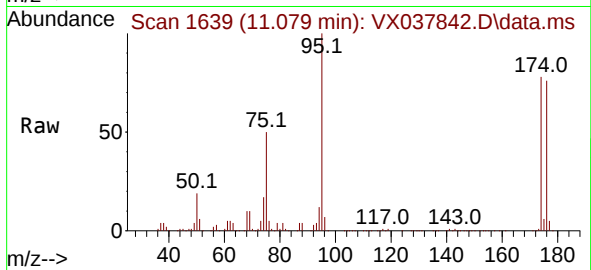
ClientSampleId :

Tgt Ion: 75 Resp: 90512

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.125 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

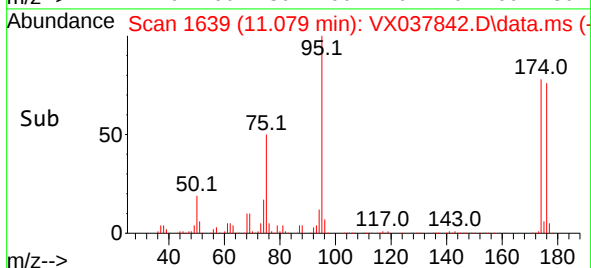
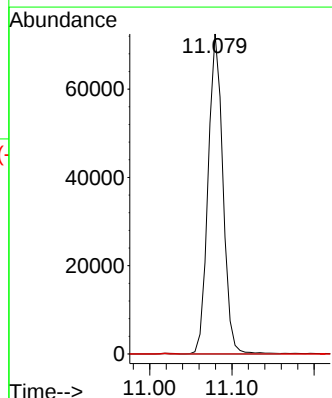
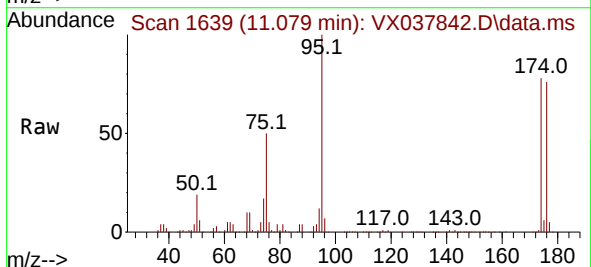
Tgt Ion: 75 Resp: 90512

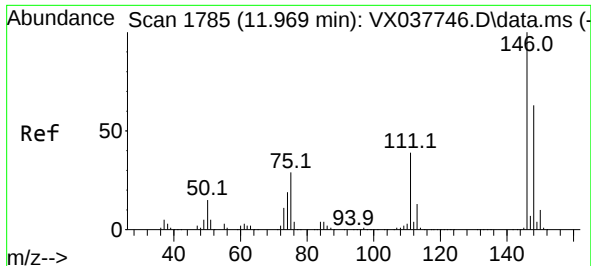
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.264 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

Instrument :

MSVOA_X

ClientSampleId :

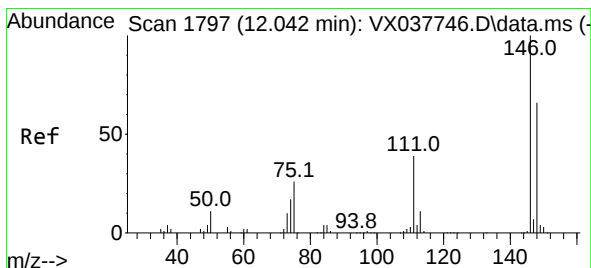
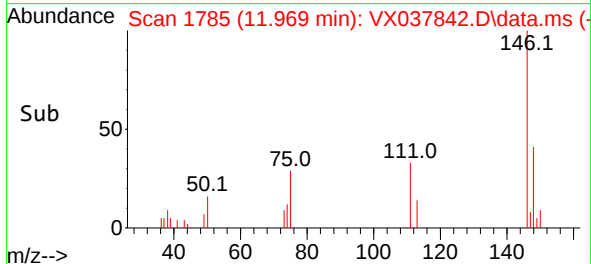
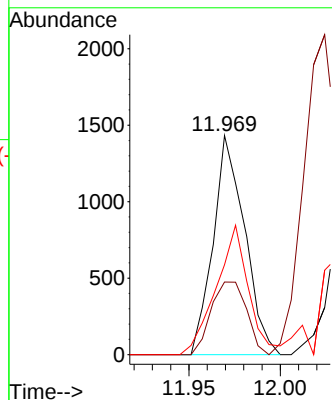
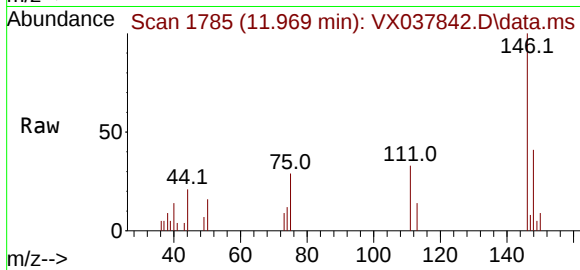
Tgt Ion:146 Resp: 1720

Ion Ratio Lower Upper

146 100

111 37.3 22.1 66.1

148 60.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.258 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX037842.D

Acq: 21 Sep 2023 10:08

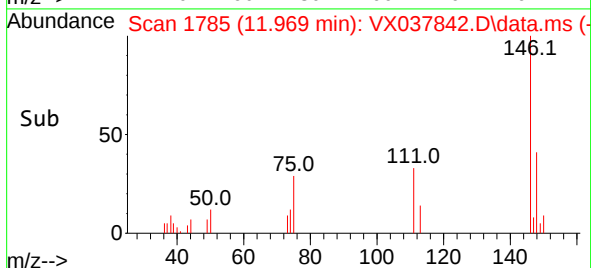
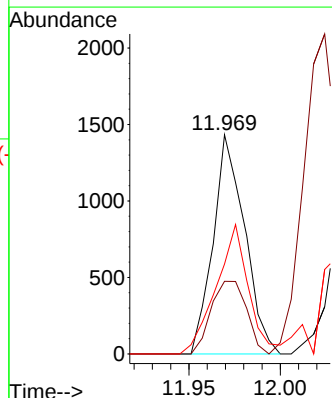
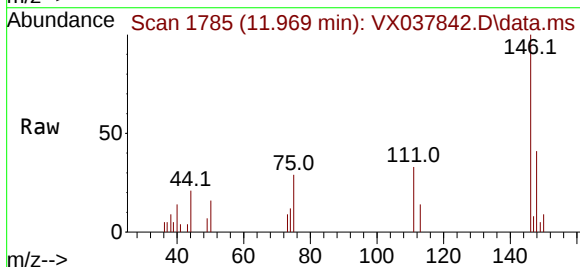
Tgt Ion:146 Resp: 1720

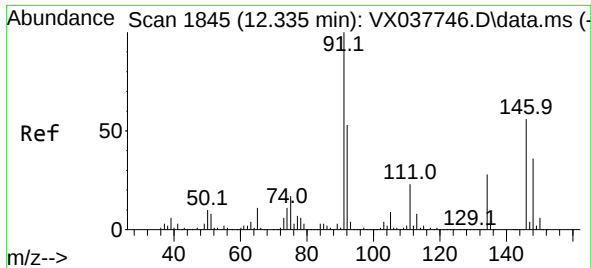
Ion Ratio Lower Upper

146 100

111 37.3 21.3 63.7

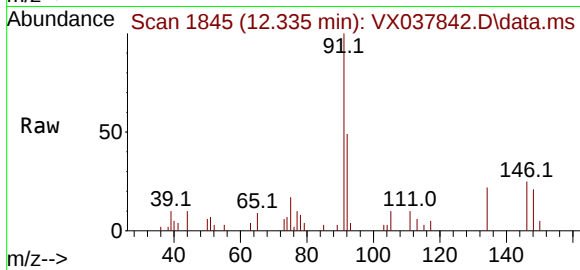
148 60.9 31.8 95.4



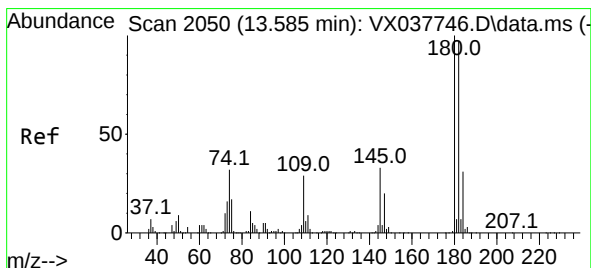
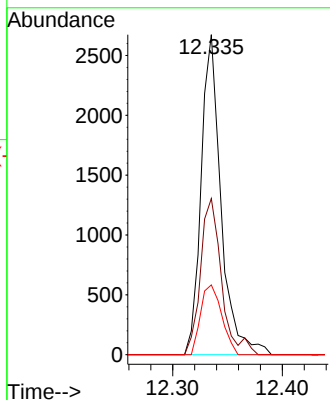
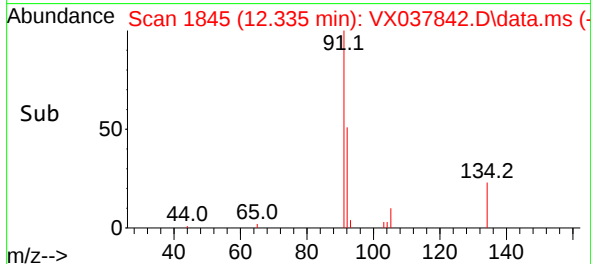


#89
n-Butylbenzene
Concen: 0.316 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

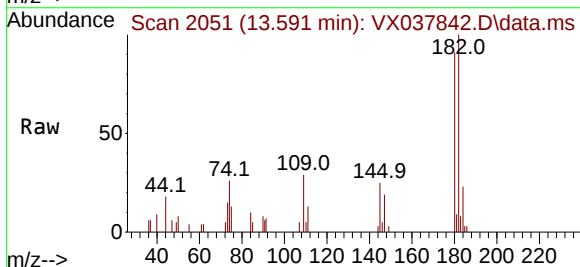
Instrument :
MSVOA_X
ClientSampleId :



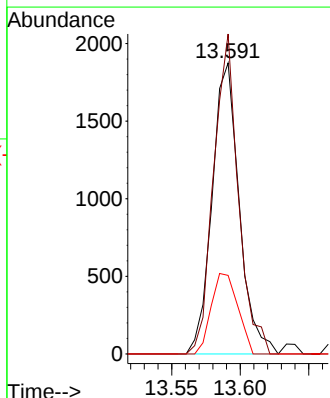
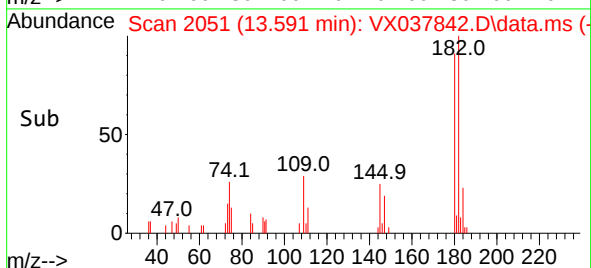
Tgt Ion: 91	Resp:	3374
Ion	Ratio	Lower Upper
91	100	
92	51.4	27.4 82.0
134	23.1	12.6 37.8

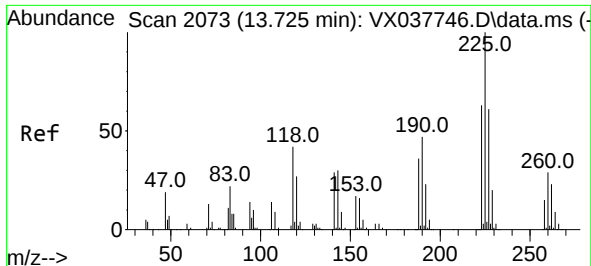


#93
1,2,4-Trichlorobenzene
Concen: 0.658 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08



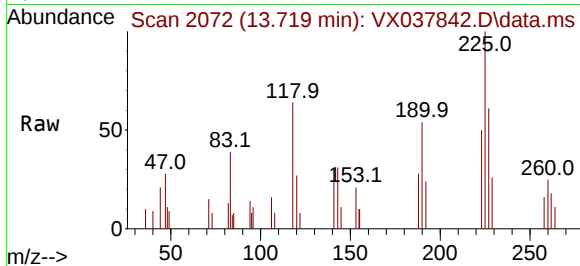
Tgt Ion: 180	Resp:	2580
Ion	Ratio	Lower Upper
180	100	
182	99.8	48.3 144.8
145	27.1	18.0 54.0



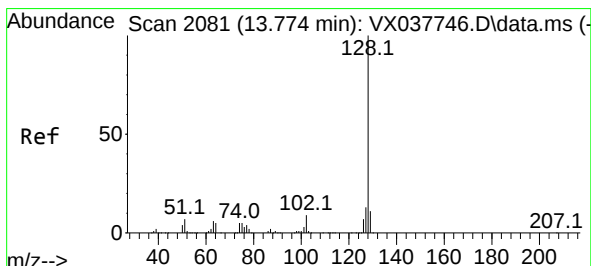
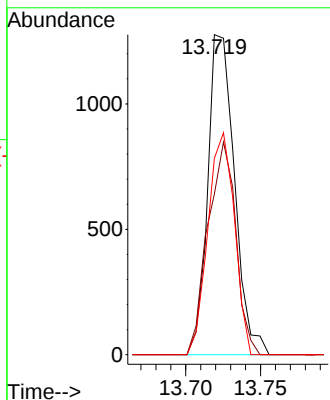
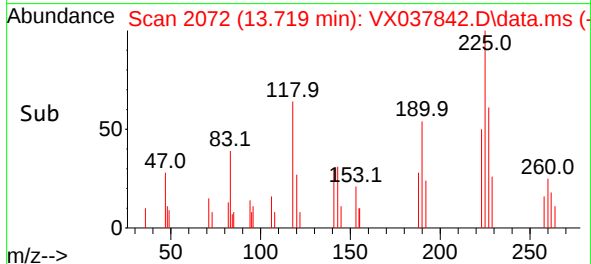


#94
Hexachlorobutadiene
Concen: 0.869 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08

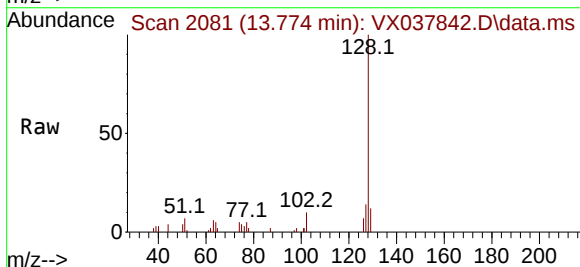
Instrument :
MSVOA_X
ClientSampleId :



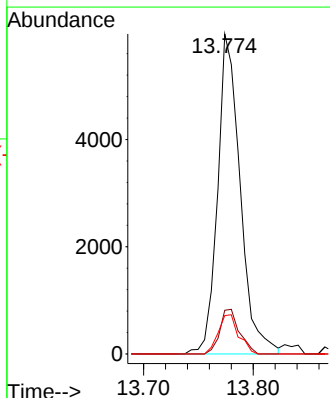
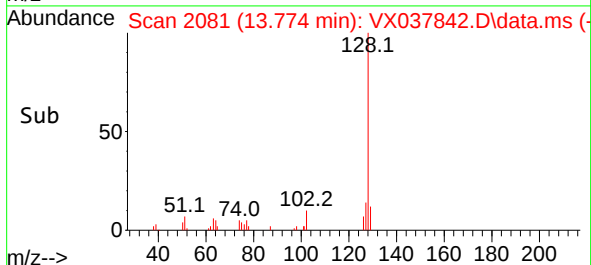
Tgt Ion:225 Resp: 1591
Ion Ratio Lower Upper
225 100
223 69.1 31.1 93.2
227 68.6 32.5 97.5

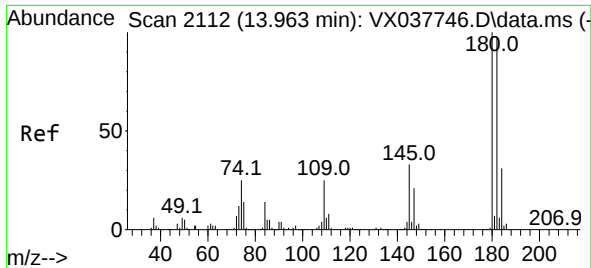


#95
Naphthalene
Concen: 0.646 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX037842.D
Acq: 21 Sep 2023 10:08



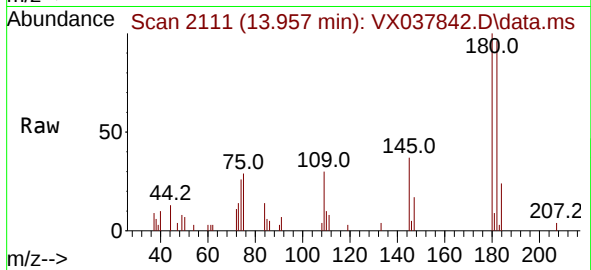
Tgt Ion:128 Resp: 8559
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 11.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.730 ug/l
 RT: 13.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VX037842.D
 Acq: 21 Sep 2023 10:08

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	2943
Ion Ratio	Lower	Upper	
180	100		
182	89.7	46.9	140.6
145	36.0	17.8	53.5

