

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090123\
 Data File : VX037461.D
 Acq On : 01 Sep 2023 13:45
 Operator : JC/MD
 Sample : 04189-04
 Misc : 4.83g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-01(48-50)

Quant Time: Sep 01 14:55:14 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)

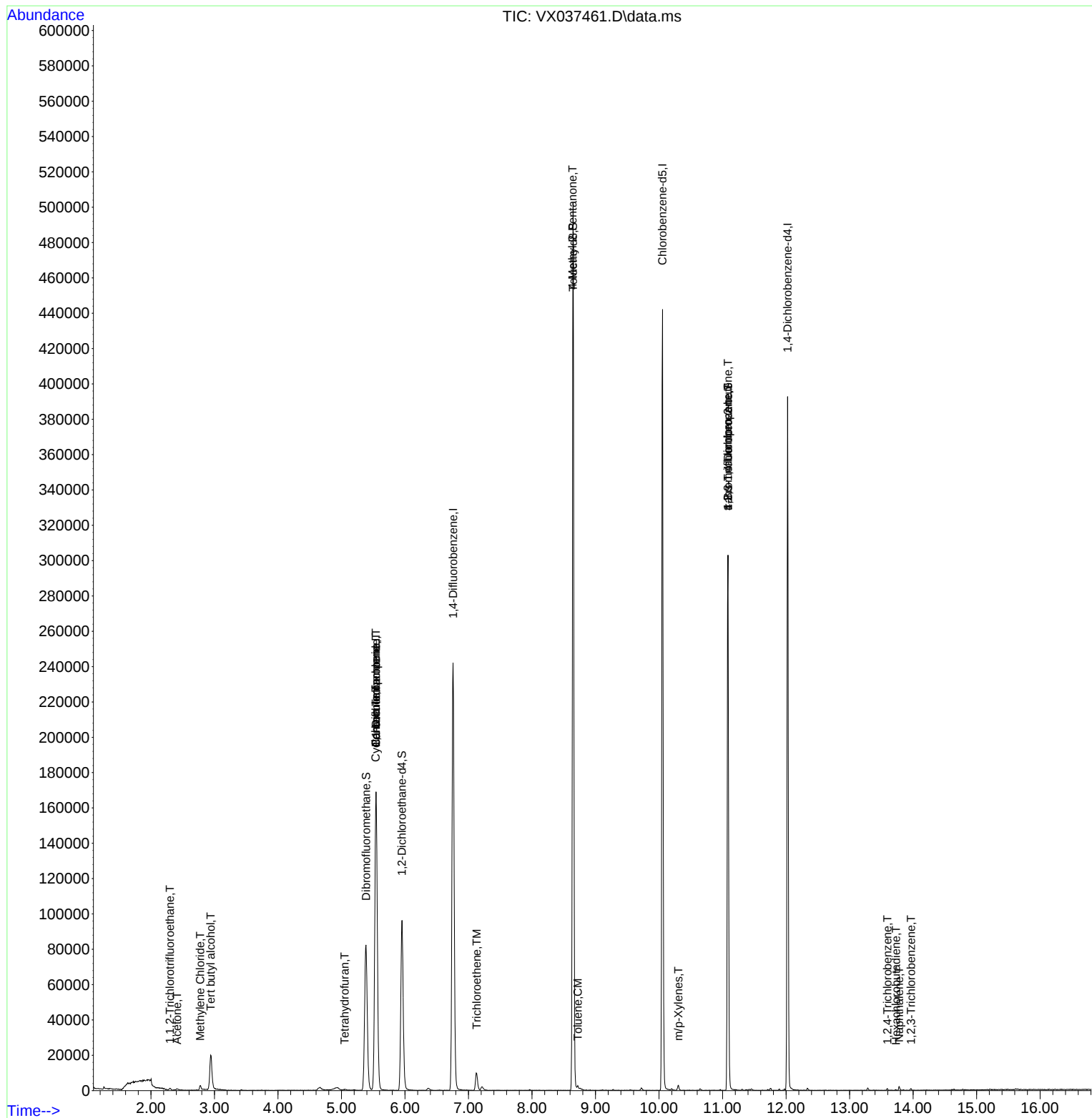
Internal Standards						
1) Pentafluorobenzene	5.543	168	159916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	260236	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92863	40.279	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	80.560%
35) Dibromofluoromethane	5.385	113	73388	42.581	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.160%
50) Toluene-d8	8.647	98	301297	48.194	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.380%
62) 4-Bromofluorobenzene	11.085	95	95499	38.871	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	77.740%#
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.300	101	563	0.333	ug/l #	77
11) Tert butyl alcohol	2.940	59	12937	23.921	ug/l #	82
16) Acetone	2.410	43	1291	1.431	ug/l	92
20) Methylene Chloride	2.776	84	1583	0.785	ug/l #	87
29) Tetrahydrofuran	5.050	42	439	0.507	ug/l #	67
31) Cyclohexane	5.537	56	2940	1.134	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	12474	5.094	ug/l #	50
38) Carbon Tetrachloride	5.543	117	16773	6.306	ug/l #	14
44) Trichloroethene	7.129	130	4260	2.139	ug/l	86
51) 4-Methyl-2-Pentanone	8.640	43	1153	0.478	ug/l #	1
52) Toluene	8.720	92	984	0.212	ug/l	98
68) m/p-Xylenes	10.305	106	763	0.248	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	46498	25.563	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	46498	71.399	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	354	0.218	ug/l	92
94) Hexachlorobutadiene	13.731	225	168	0.267	ug/l #	50
95) Naphthalene	13.780	128	1878	0.264	ug/l	97
96) 1,2,3-Trichlorobenzene	13.969	180	366	0.227	ug/l	91

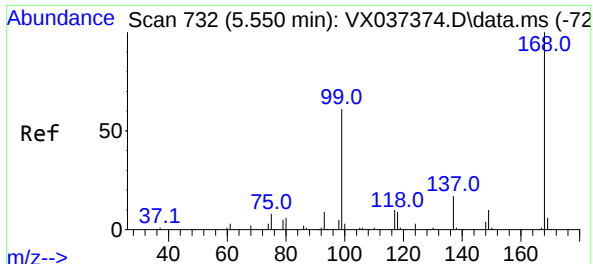
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-01(48-50)

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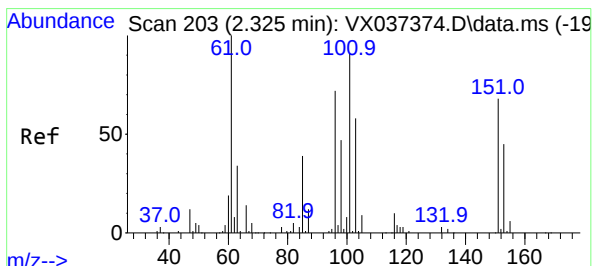
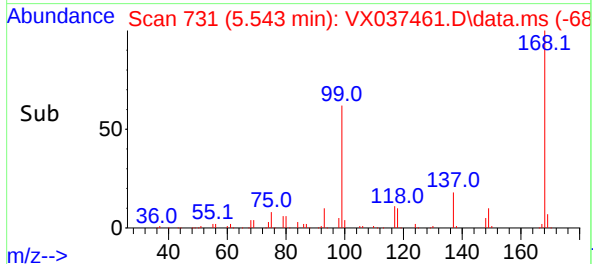
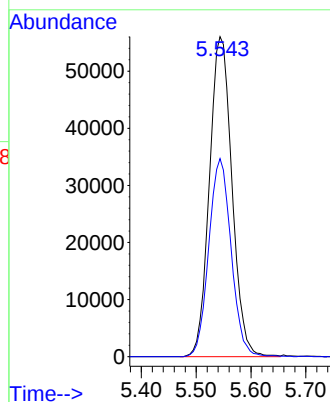
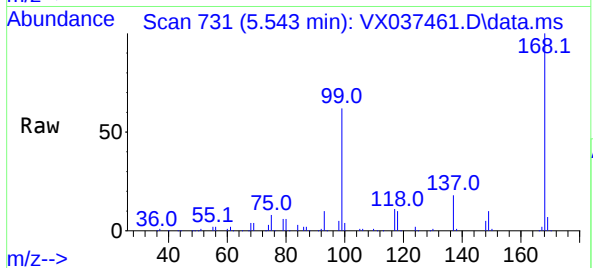




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

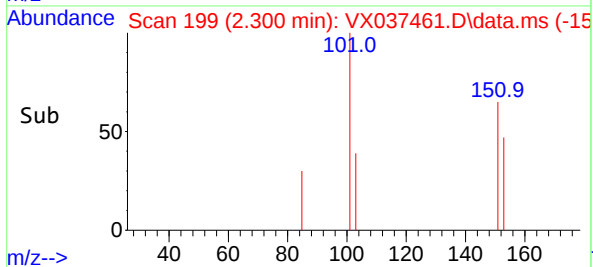
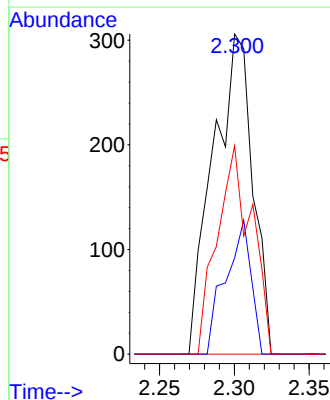
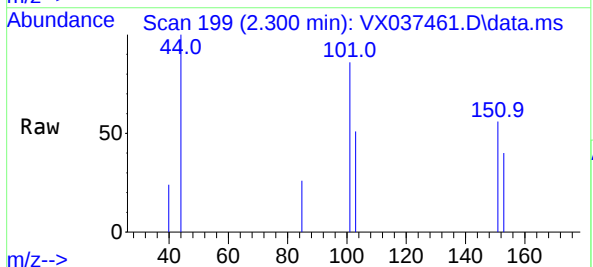
Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

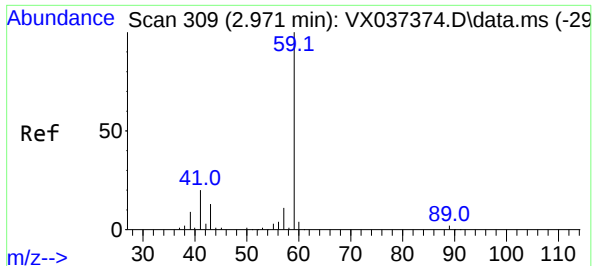
Tgt Ion:168 Resp: 159916
Ion Ratio Lower Upper
168 100
99 61.9 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.333 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.025 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion:101 Resp: 563
Ion Ratio Lower Upper
101 100
85 27.0 37.0 55.6#
151 56.8 58.6 87.8#





#11

Tert butyl alcohol

Concen: 23.921 ug/l

RT: 2.940 min Scan# 309

Delta R.T. -0.037 min

Lab File: VX037461.D

Acq: 01 Sep 2023 13:45

Instrument :

MSVOA_X

ClientSampleId :

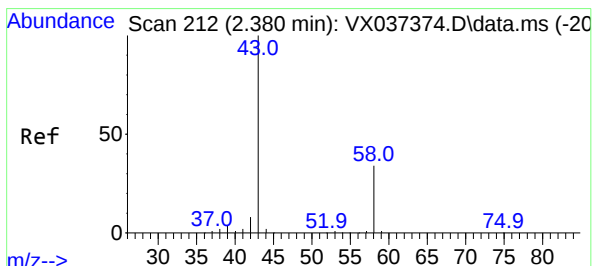
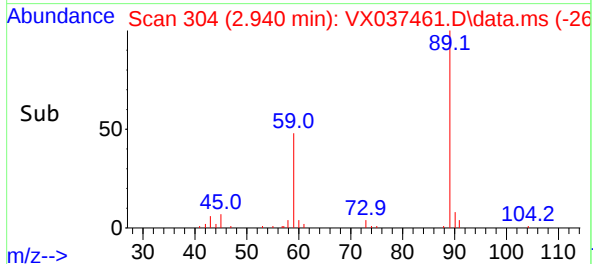
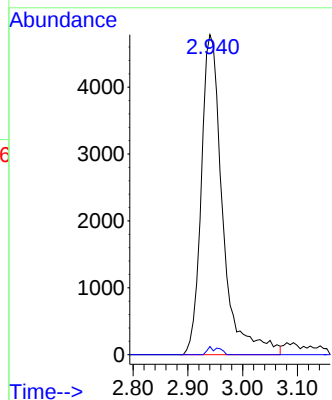
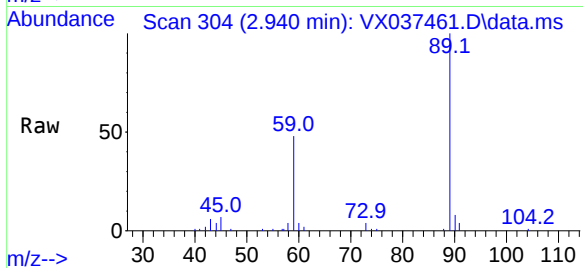
SB-01(48-50)

Tgt Ion: 59 Resp: 12937

Ion Ratio Lower Upper

59 100

57 1.3 6.0 9.0#



#16

Acetone

Concen: 1.431 ug/l

RT: 2.410 min Scan# 217

Delta R.T. 0.024 min

Lab File: VX037461.D

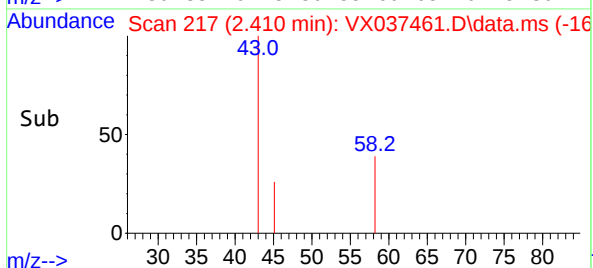
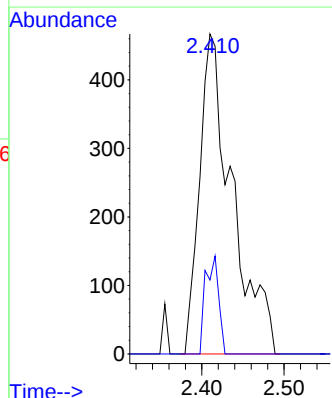
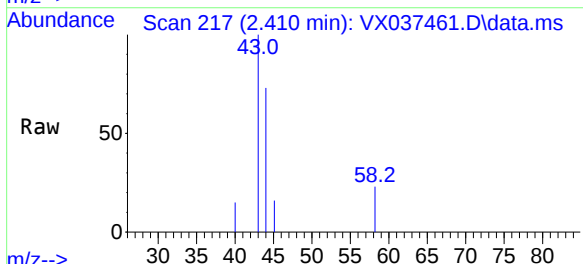
Acq: 01 Sep 2023 13:45

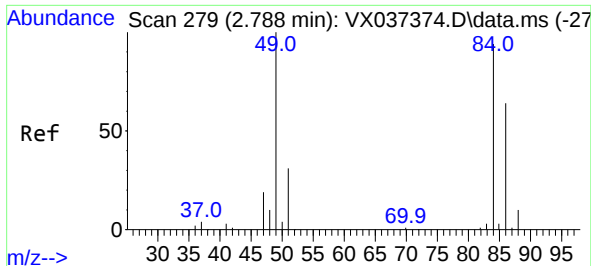
Tgt Ion: 43 Resp: 1291

Ion Ratio Lower Upper

43 100

58 23.1 21.9 32.9



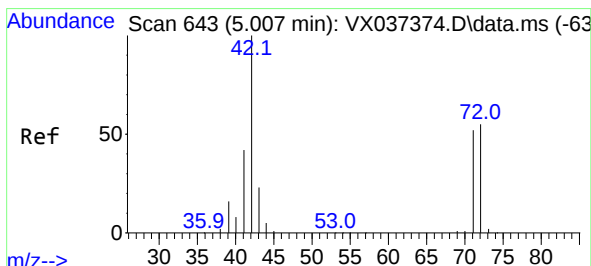
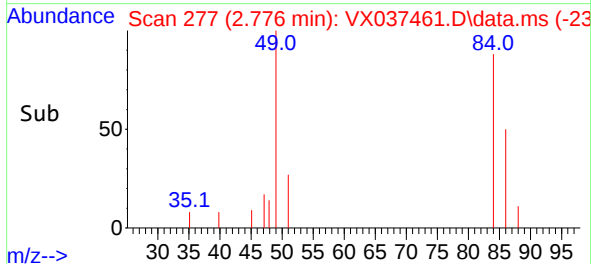
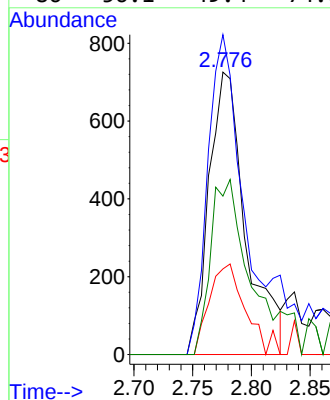
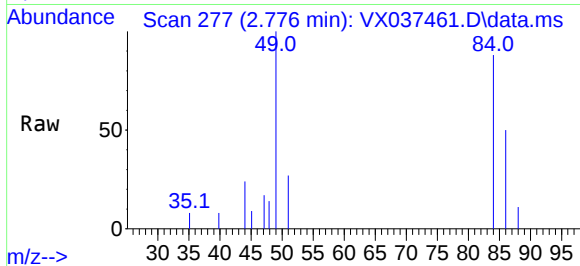


#20
Methylene Chloride
Concen: 0.785 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

Tgt Ion: 84 Resp: 1583

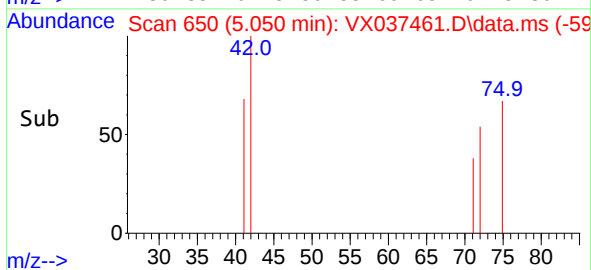
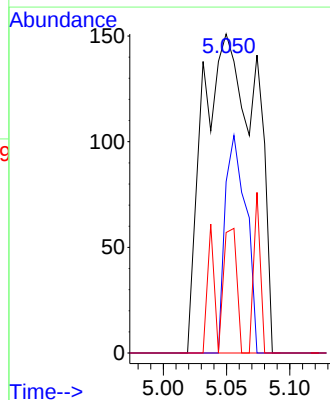
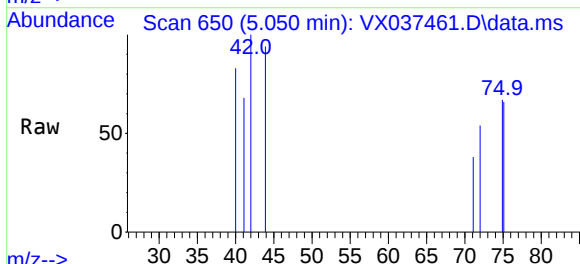
Ion	Ratio	Lower	Upper
84	100		
49	113.2	103.6	155.4
51	30.3	33.8	50.6#
86	56.1	49.4	74.0

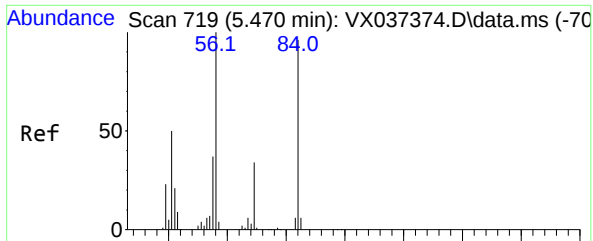


#29
Tetrahydrofuran
Concen: 0.507 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.042 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion: 42 Resp: 439

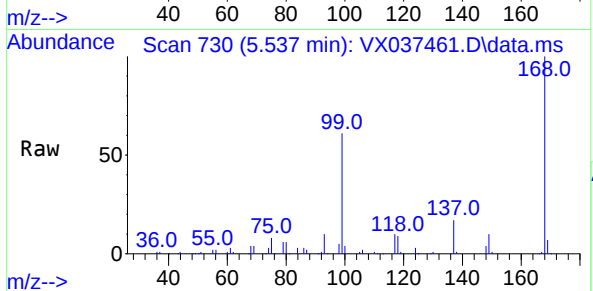
Ion	Ratio	Lower	Upper
42	100		
72	27.1	34.2	51.4#
71	14.8	32.2	48.2#



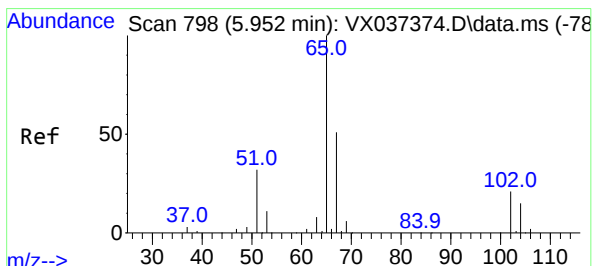
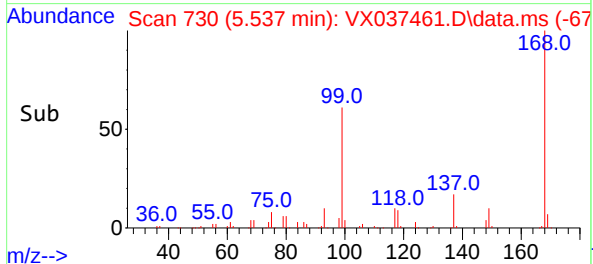
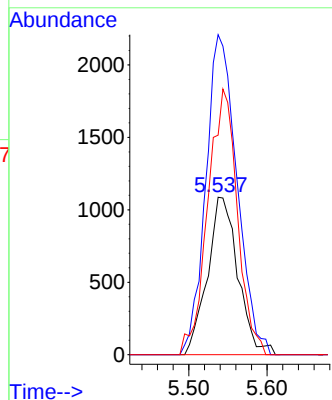


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 5.537 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

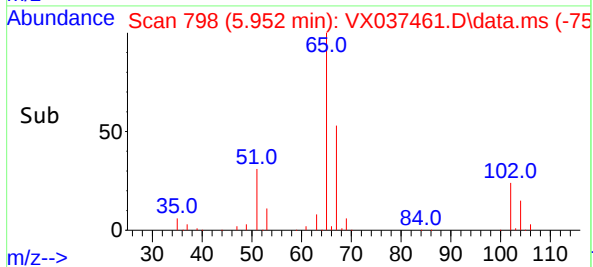
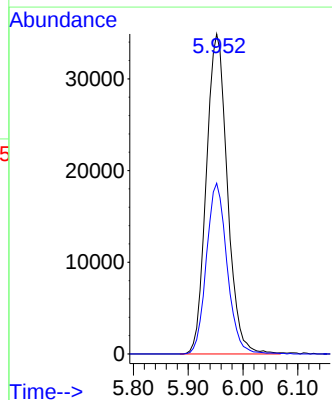
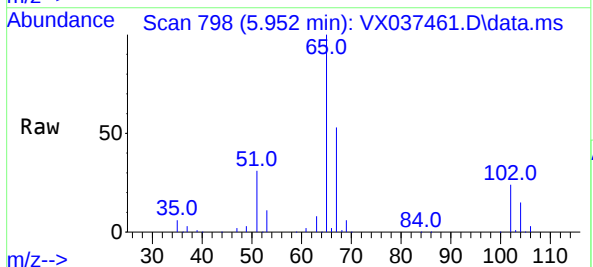


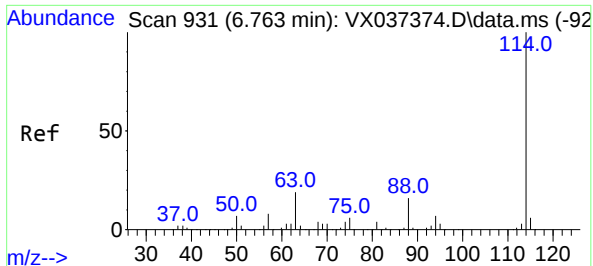
Tgt Ion: 56 Resp: 2940
Ion Ratio Lower Upper
56 100
69 203.2 23.4 35.2#
84 139.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 40.279 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion: 65 Resp: 92863
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX037461.D

Acq: 01 Sep 2023 13:45

Instrument :

MSVOA_X

ClientSampleId :

SB-01(48-50)

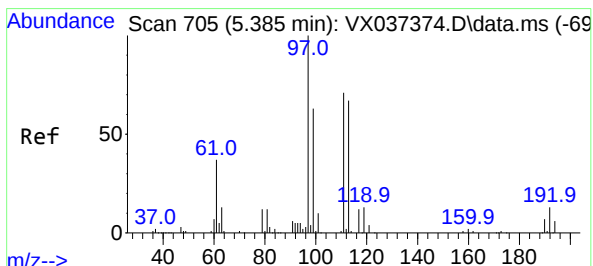
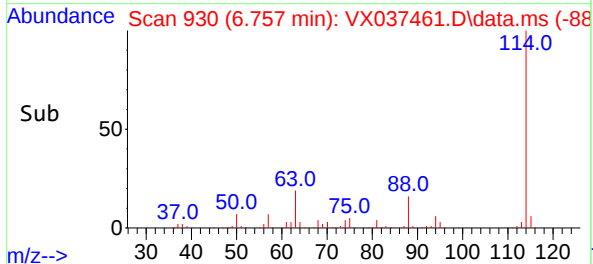
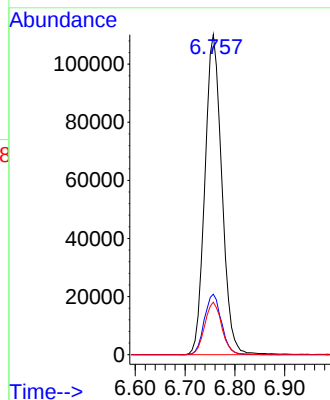
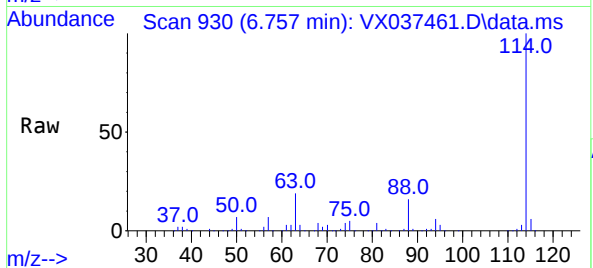
Tgt Ion:114 Resp: 260236

Ion Ratio Lower Upper

114 100

63 18.9 0.0 45.0

88 16.4 0.0 36.6



#35

Dibromofluoromethane

Concen: 42.581 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037461.D

Acq: 01 Sep 2023 13:45

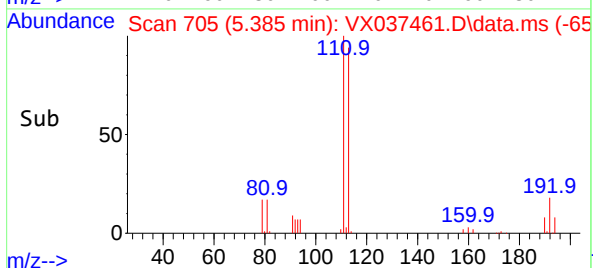
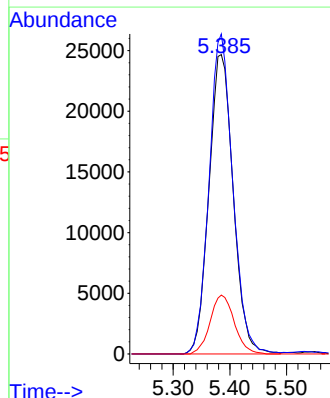
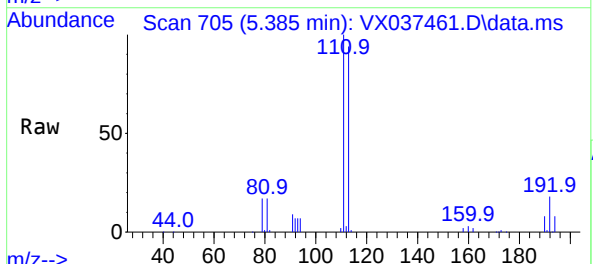
Tgt Ion:113 Resp: 73388

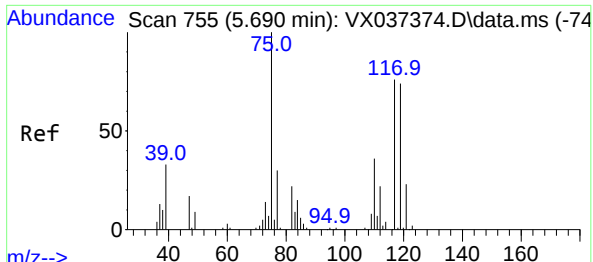
Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

192 19.6 13.3 19.9

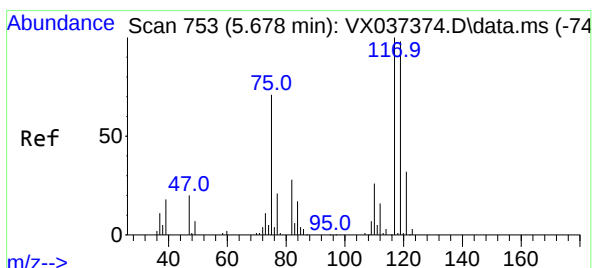
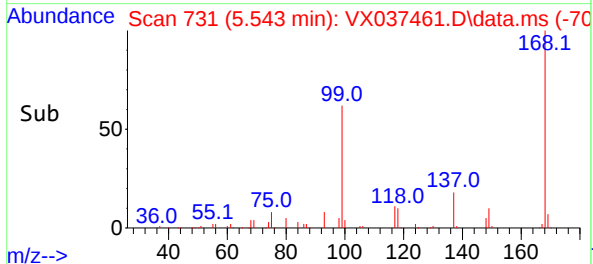
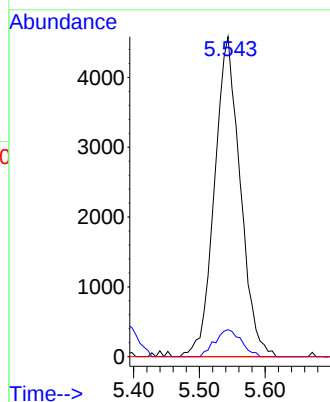
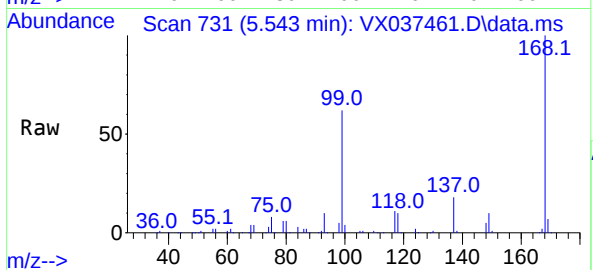




#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.153 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

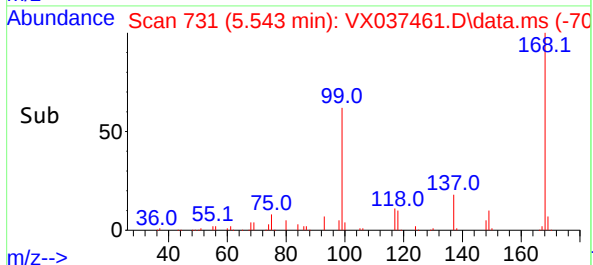
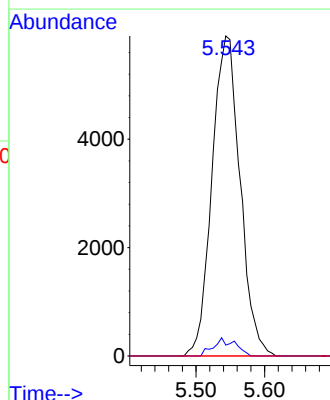
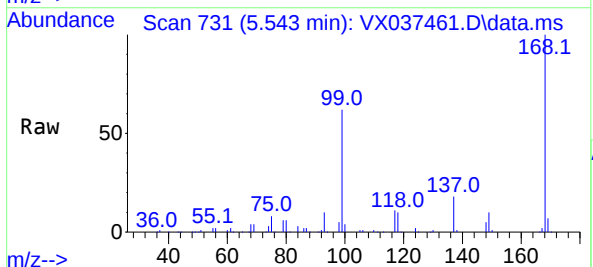
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SB-01(48-50)

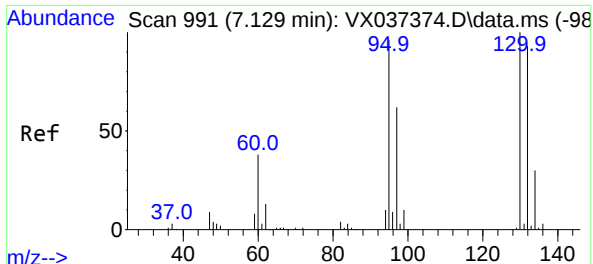
Tgt Ion: 75 Resp: 12474
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.306 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion: 117 Resp: 16773
Ion Ratio Lower Upper
117 100
119 3.4 78.2 117.2#
121 0.0 24.4 36.6#

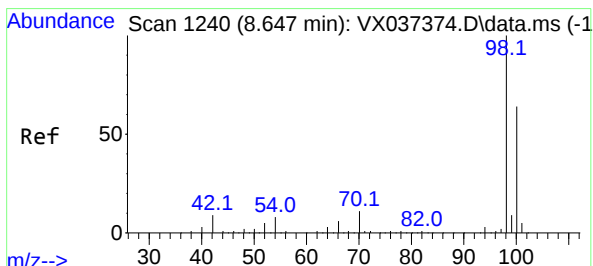
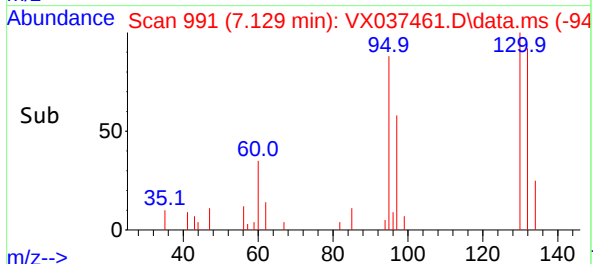
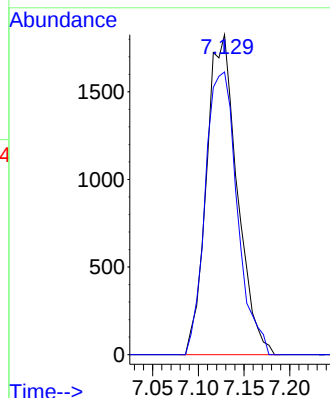
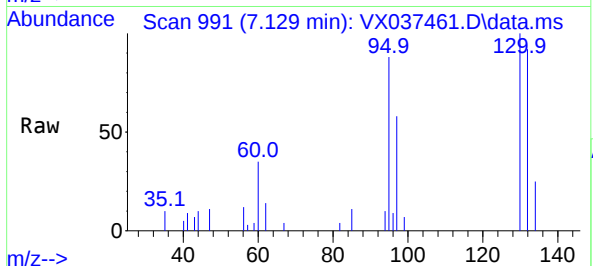




#44
Trichloroethene
Concen: 2.139 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

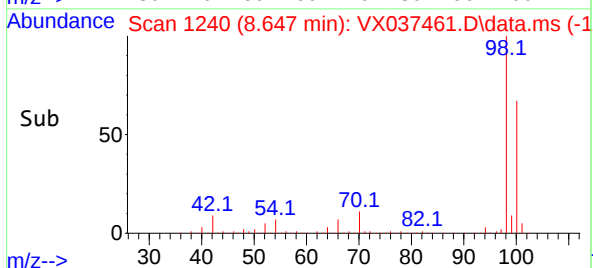
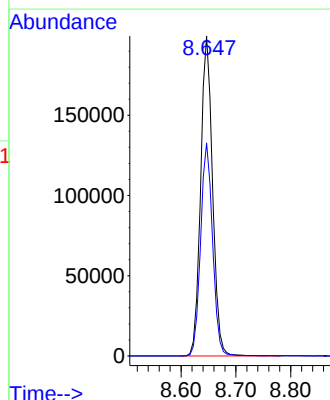
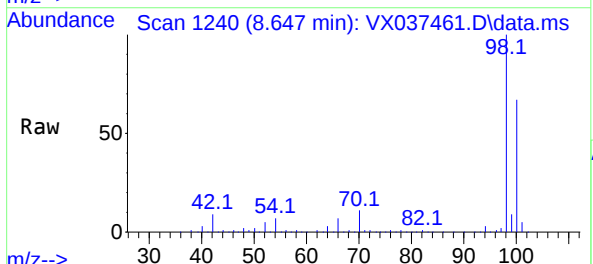
Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

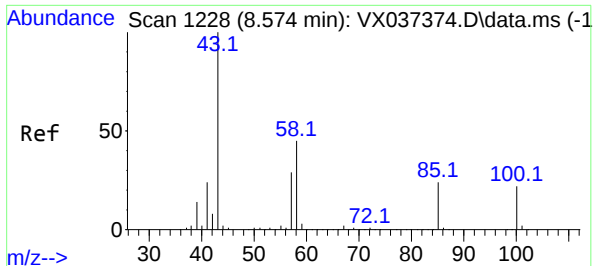
Tgt Ion:130 Resp: 4260
Ion Ratio Lower Upper
130 100
95 88.3 0.0 204.4



#50
Toluene-d8
Concen: 48.194 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion: 98 Resp: 301297
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

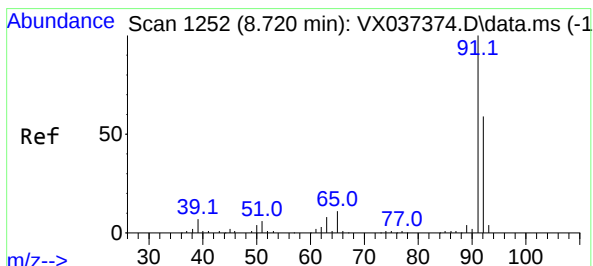
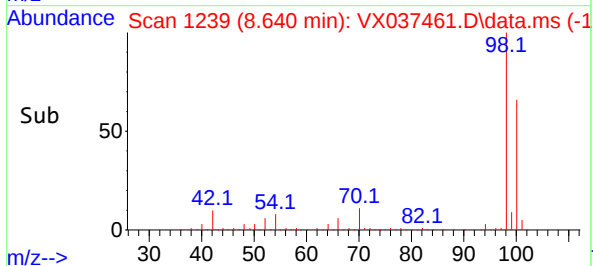
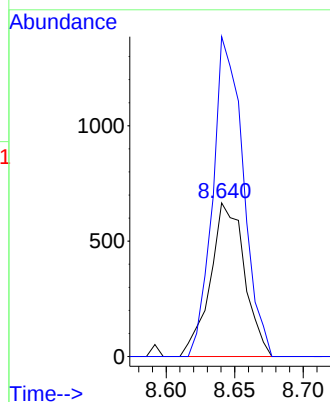
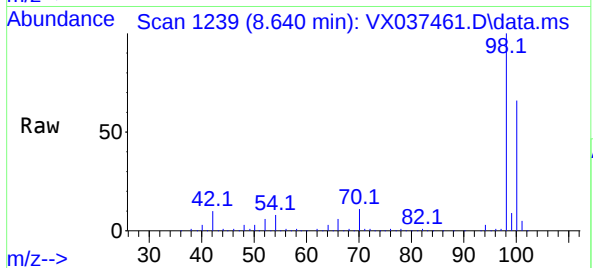




#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 8.640 min Scan# 1153
Delta R.T. 0.067 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

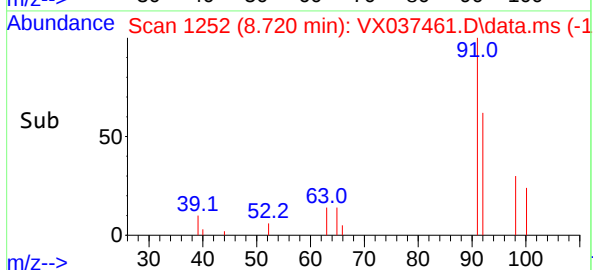
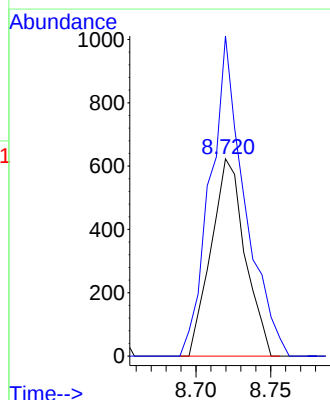
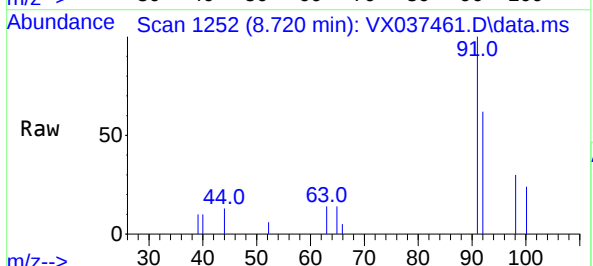
Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

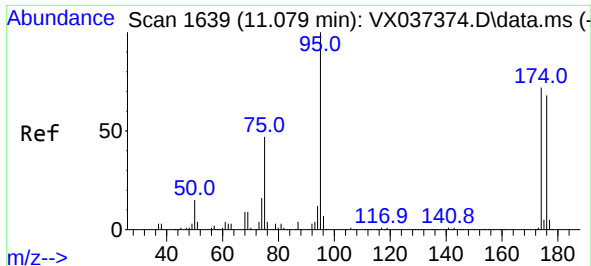
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
58 185.6 30.4 45.6#



#52
Toluene
Concen: 0.212 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion: 92 Resp: 984
Ion Ratio Lower Upper
92 100
91 164.3 134.2 201.2

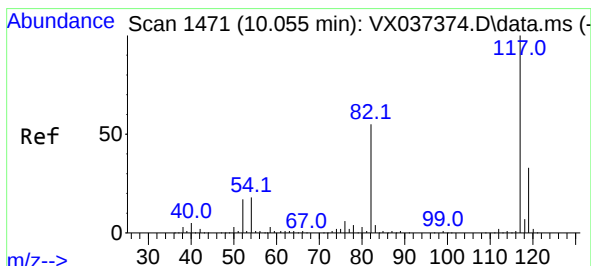
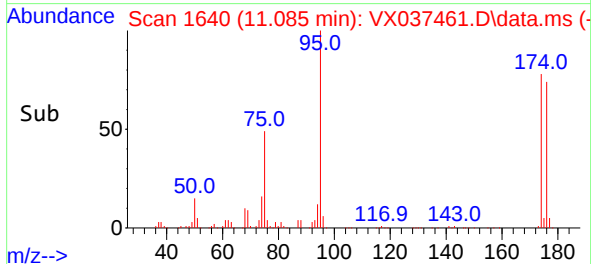
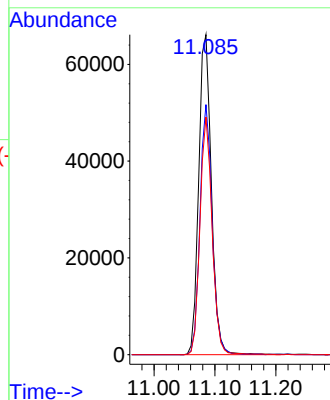
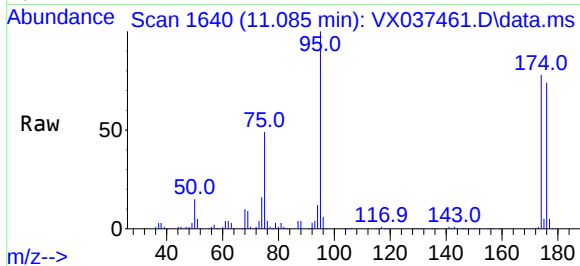




#62
4-Bromofluorobenzene
Concen: 38.871 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

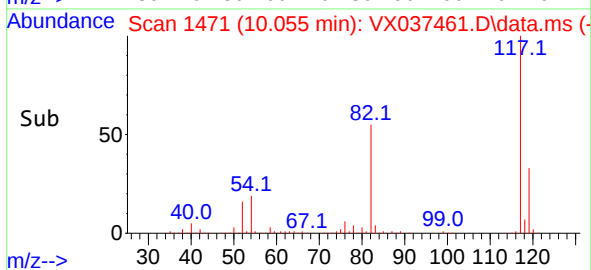
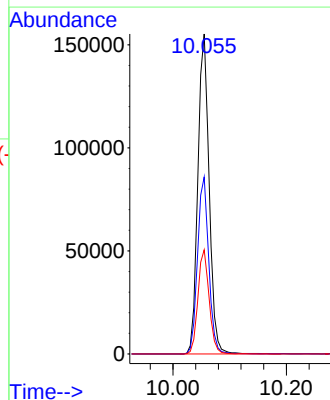
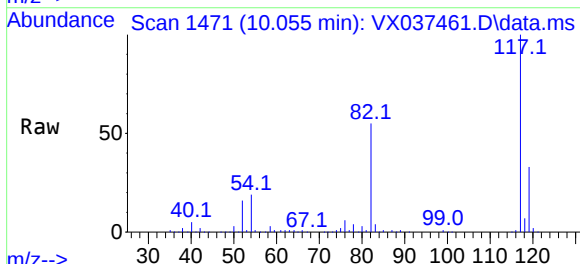
Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

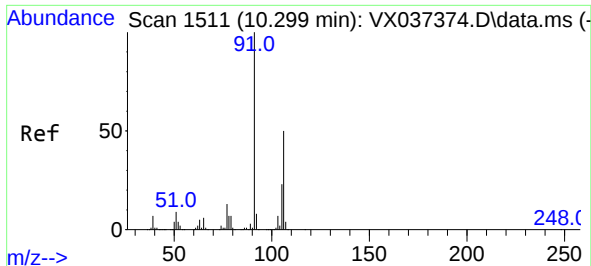
Tgt Ion: 95 Resp: 95499
Ion Ratio Lower Upper
95 100
174 75.4 0.0 135.6
176 71.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion: 117 Resp: 214531
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.5 25.5 38.3

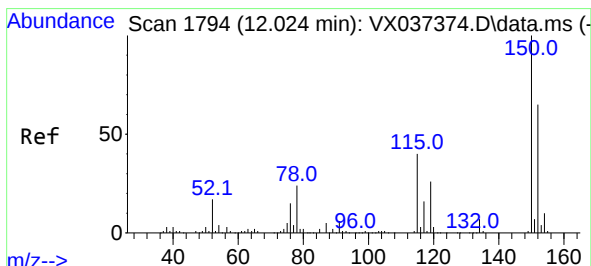
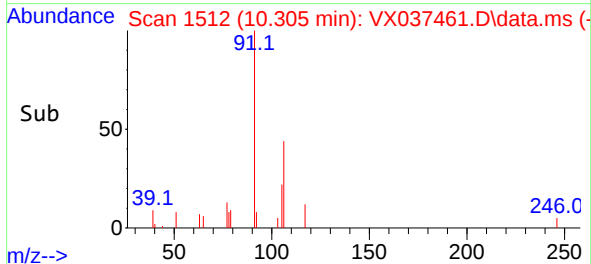
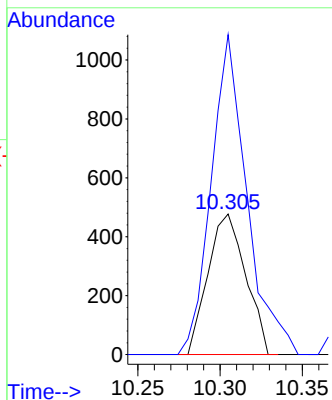
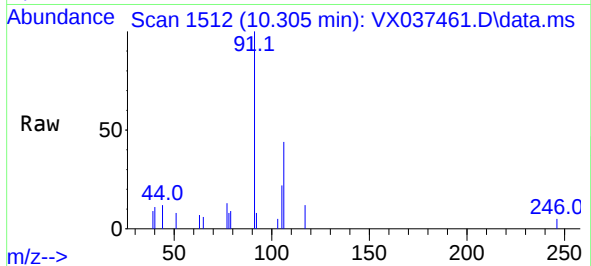




#68
m/p-Xylenes
Concen: 0.248 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

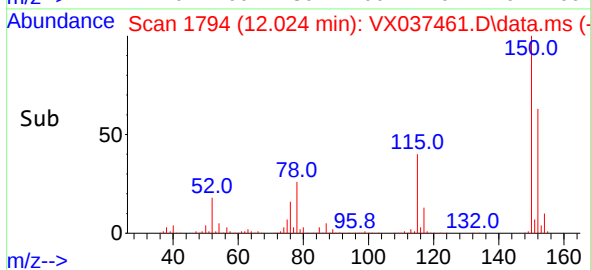
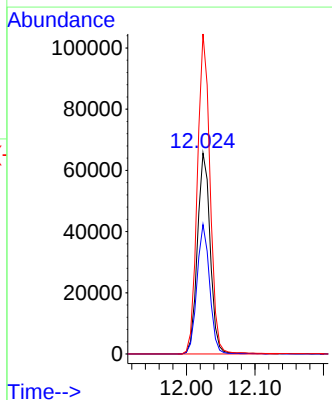
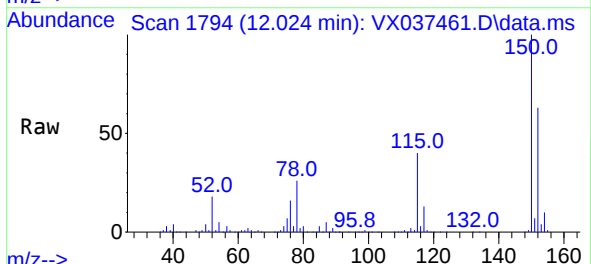
Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

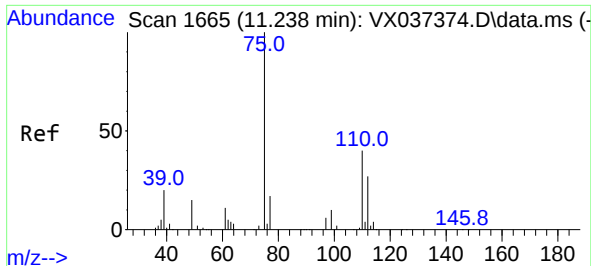
Tgt Ion:106 Resp: 763
Ion Ratio Lower Upper
106 100
91 215.3 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion:152 Resp: 85410
Ion Ratio Lower Upper
152 100
115 63.9 43.3 129.9
150 158.3 0.0 345.0

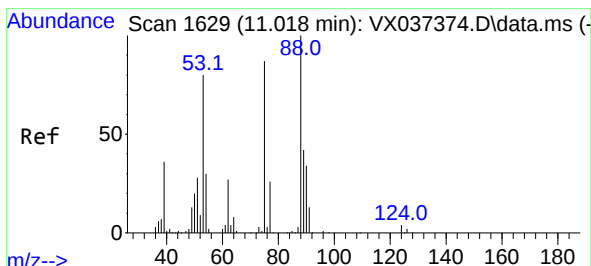
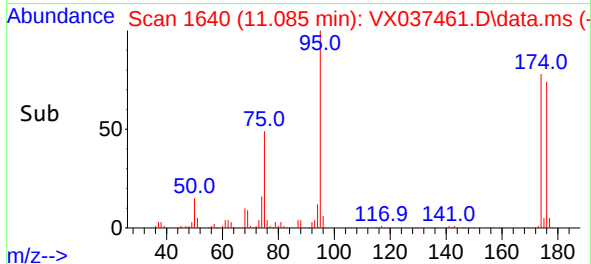
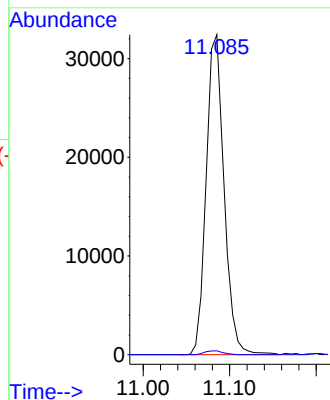
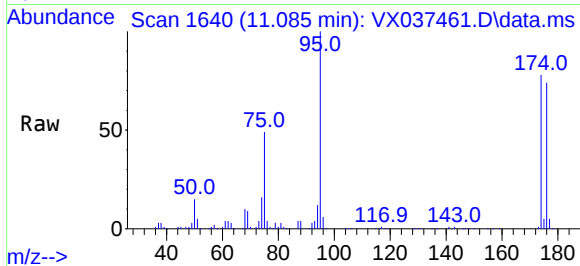




#76
1,2,3-Trichloropropane
Concen: 25.563 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.153 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

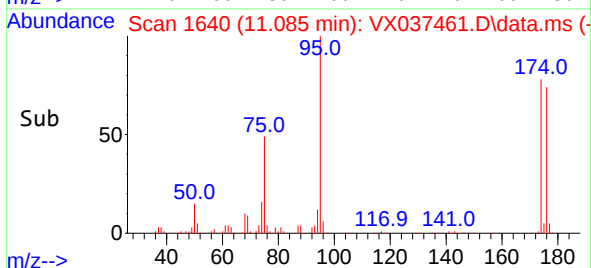
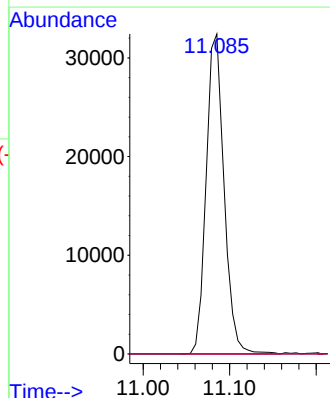
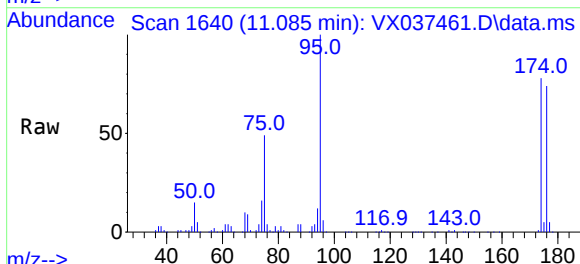
Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

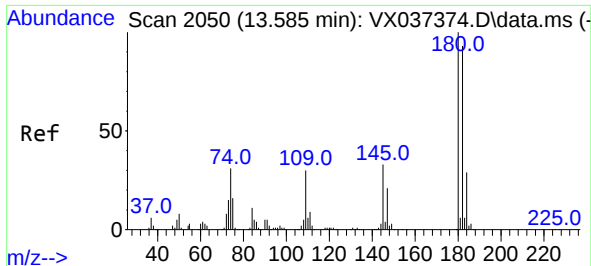
Tgt Ion: 75 Resp: 46498
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.399 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion: 75 Resp: 46498
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

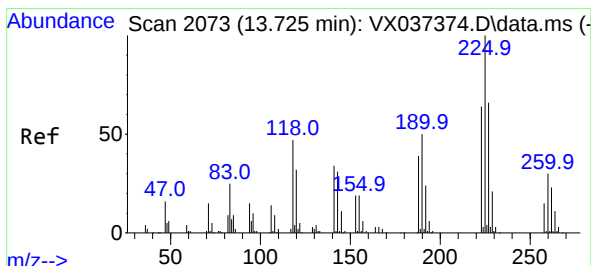
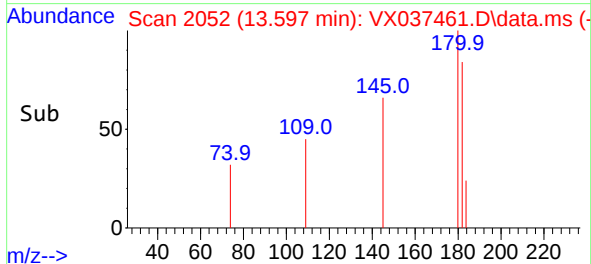
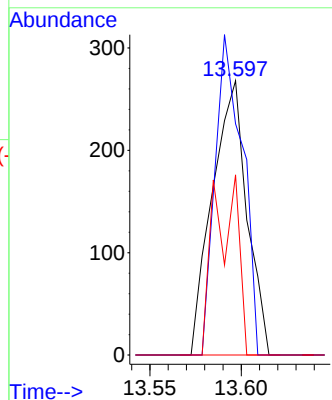
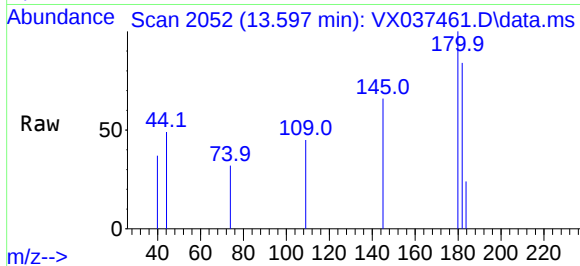




#93
1,2,4-Trichlorobenzene
Concen: 0.218 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

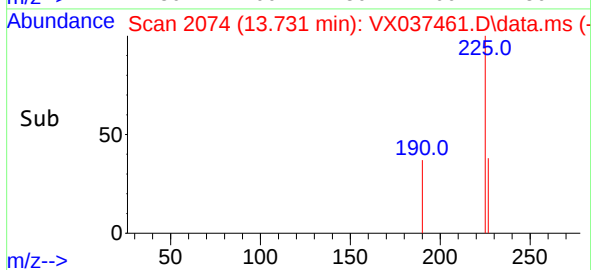
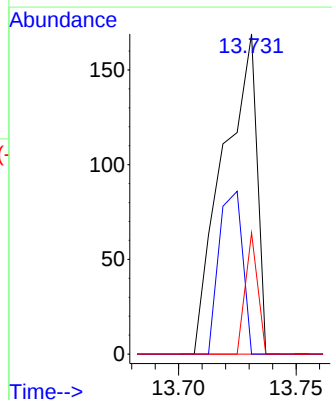
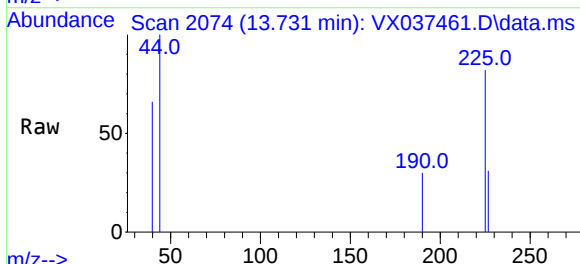
Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)

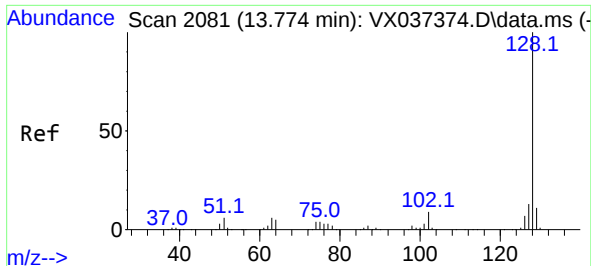
Tgt Ion:180 Resp: 354
Ion Ratio Lower Upper
180 100
182 91.8 48.3 144.8
145 44.9 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.267 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

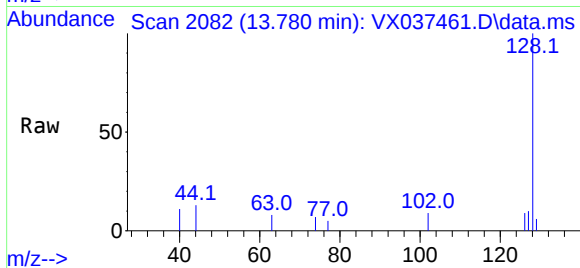
Tgt Ion:225 Resp: 168
Ion Ratio Lower Upper
225 100
223 35.7 31.1 93.2
227 13.7 32.5 97.5#



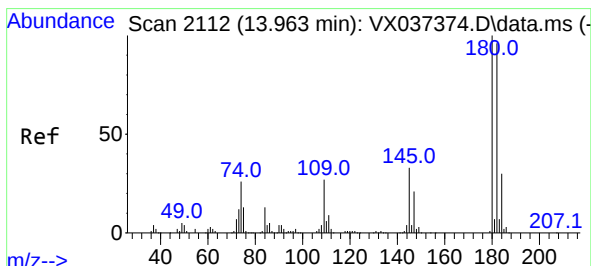
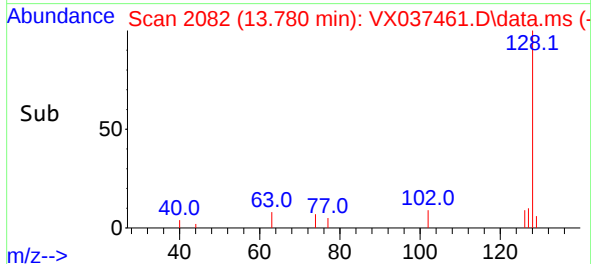
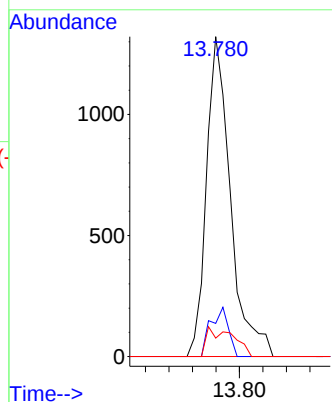


#95
Naphthalene
Concen: 0.264 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Instrument :
MSVOA_X
ClientSampleId :
SB-01(48-50)



Tgt Ion:	128	Resp:	1878
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.3	15.5
129	10.1	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.227 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX037461.D
Acq: 01 Sep 2023 13:45

Tgt Ion:	180	Resp:	366
Ion	Ratio	Lower	Upper
180	100		
182	100.8	46.9	140.6
145	27.3	17.8	53.5

