

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090623\
 Data File : VX037564.D
 Acq On : 06 Sep 2023 19:07
 Operator : JC/MD
 Sample : 04287-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-03-127-090123-3V

Quant Time: Sep 06 22:48:36 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)

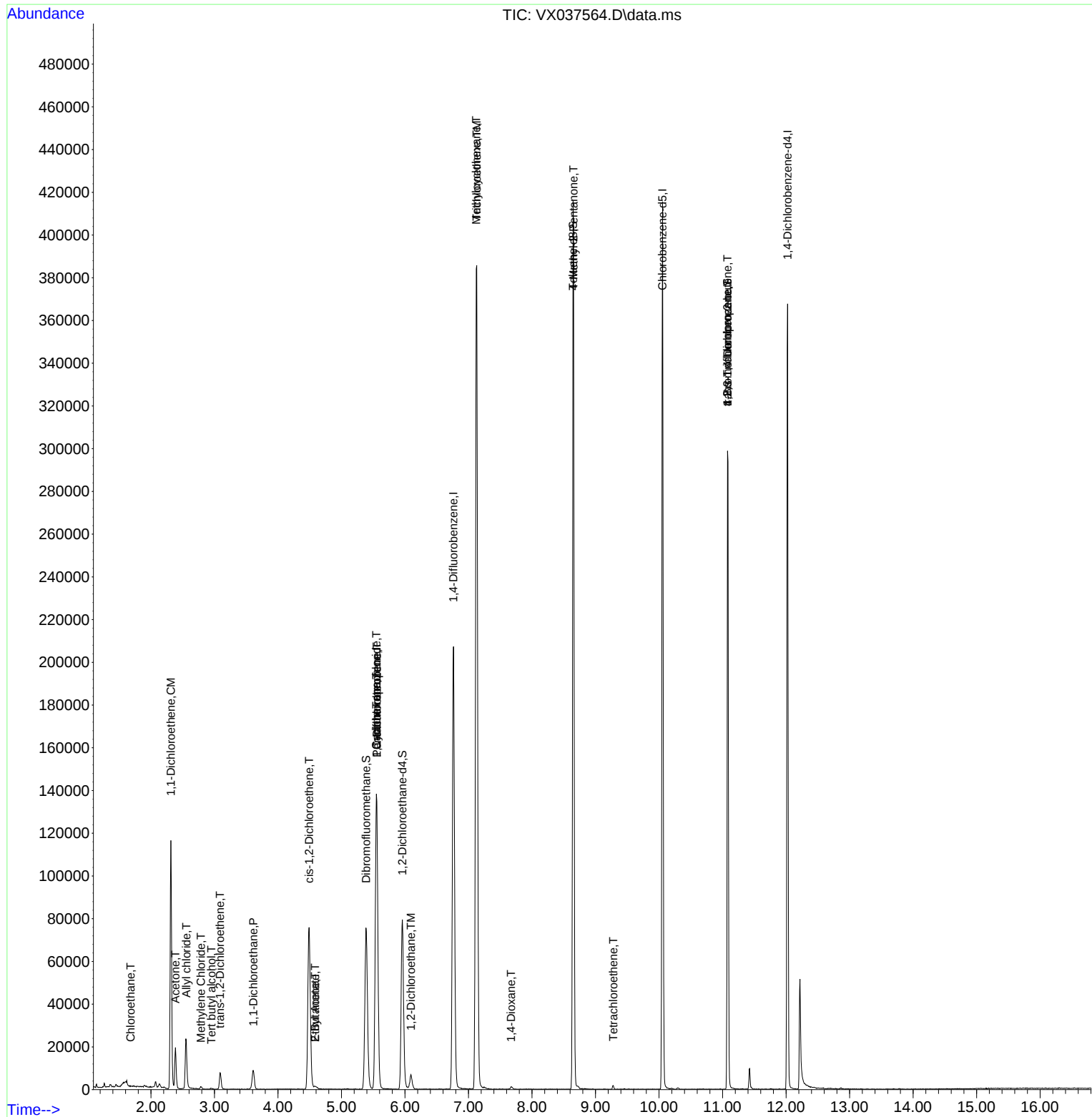
Internal Standards						
1) Pentafluorobenzene	5.556	168	134495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77693	40.069	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.140%		
35) Dibromofluoromethane	5.385	113	67610	45.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.740%		
50) Toluene-d8	8.647	98	259784	48.592	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.180%		
62) 4-Bromofluorobenzene	11.079	95	88348	42.051	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.100%		
Target Compounds						Qvalue
6) Chloroethane	1.678	64	197	0.225	ug/l #	43
11) Tert butyl alcohol	2.953	59	300	0.660	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	40740	29.426	ug/l	81
14) Allyl chloride	2.556	41	2301	1.074	ug/l #	72
16) Acetone	2.386	43	19647	25.901	ug/l #	85
20) Methylene Chloride	2.788	84	555	0.327	ug/l #	74
21) trans-1,2-Dichloroethene	3.087	96	3638	2.312	ug/l #	82
24) 1,1-Dichloroethane	3.611	63	10625	3.853	ug/l	96
25) 2-Butanone	4.586	43	2080	1.821	ug/l #	73
27) cis-1,2-Dichloroethene	4.489	96	53212	28.679	ug/l	78
31) Cyclohexane	5.550	56	2278	1.045	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9838	4.698	ug/l #	51
37) Ethyl Acetate	4.586	43	2080	0.972	ug/l #	69
38) Carbon Tetrachloride	5.550	117	13989	6.150	ug/l #	13
39) Methylcyclohexane	7.123	83	1888	0.858	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	7590	3.223	ug/l	92
44) Trichloroethene	7.129	130	162695	95.542	ug/l	94
49) 1,4-Dioxane	7.671	88	1080	24.214	ug/l #	87
51) 4-Methyl-2-Pentanone	8.653	43	892	0.433	ug/l #	1
64) Tetrachloroethene	9.281	164	370	0.257	ug/l #	85
76) 1,2,3-Trichloropropane	11.079	75	42679	25.010	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	42679	69.854	ug/l #	5

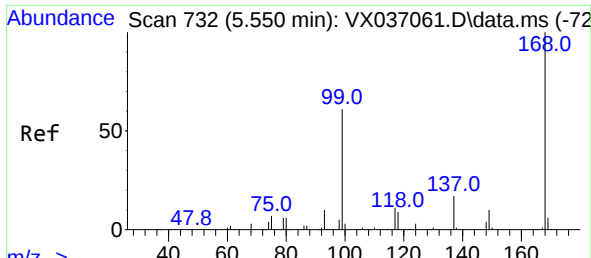
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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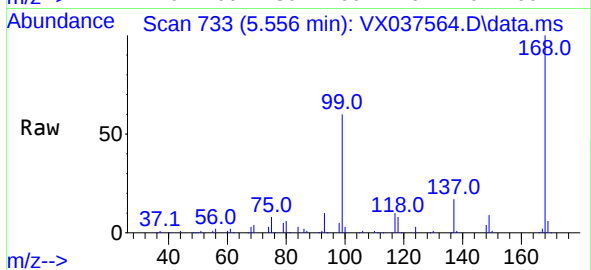
Quant Time: Sep 06 22:48:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
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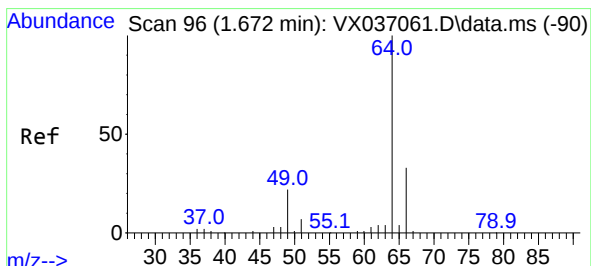
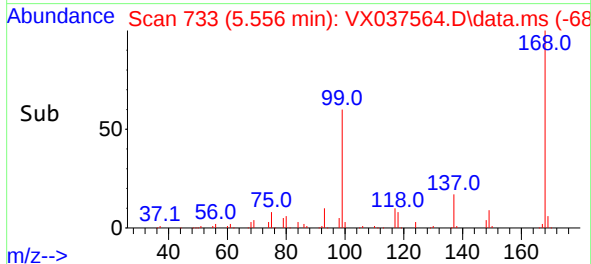
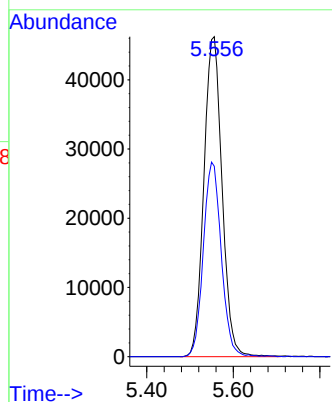


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-090123-3V

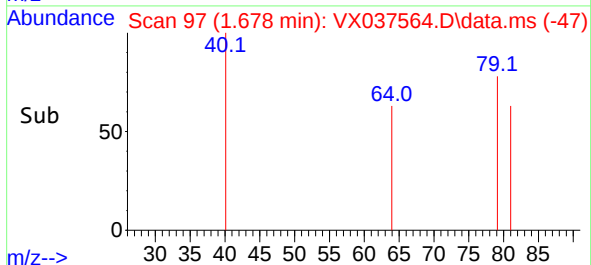
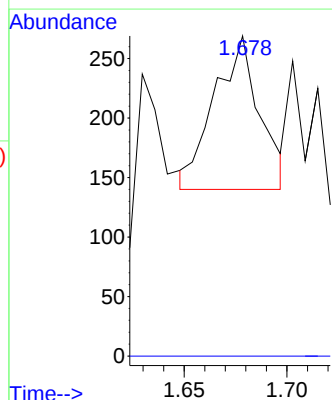
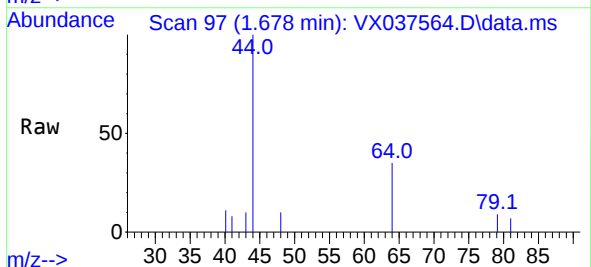


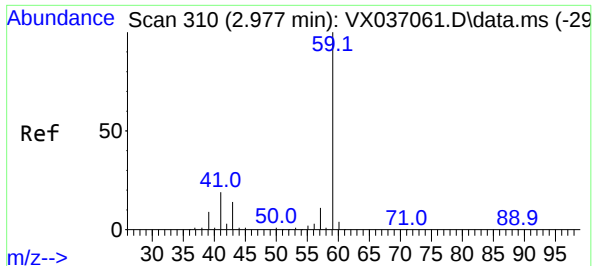
Tgt Ion:168 Resp: 134495
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#6
Chloroethane
Concen: 0.225 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.006 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Tgt Ion: 64 Resp: 197
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.660 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX037564.D

Acq: 06 Sep 2023 19:07

Instrument :

MSVOA_X

ClientSampleId :

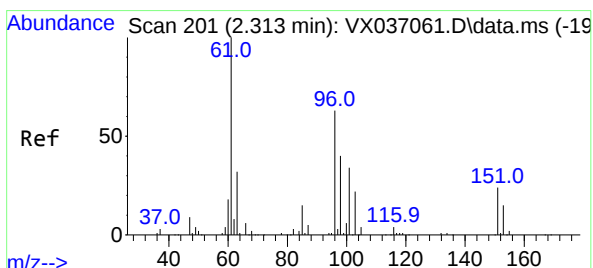
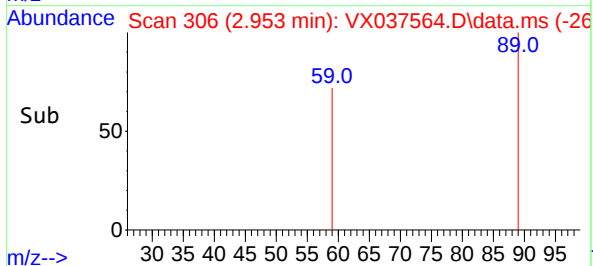
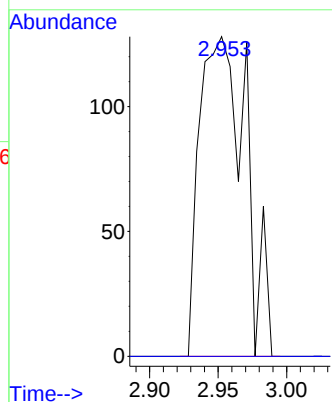
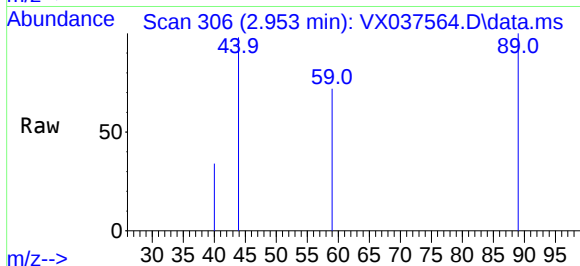
BR-03-127-090123-3V

Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 29.426 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037564.D

Acq: 06 Sep 2023 19:07

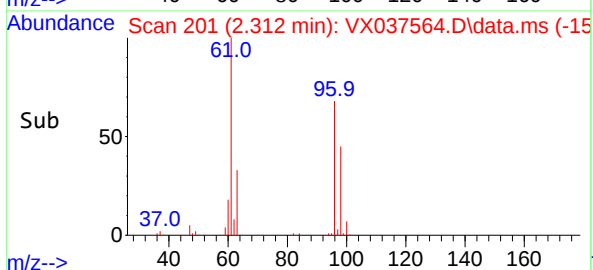
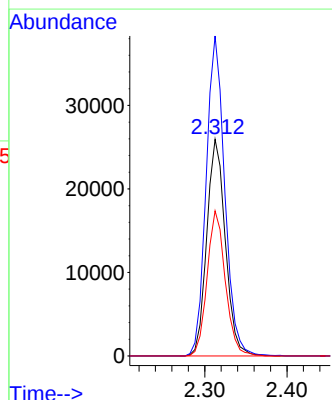
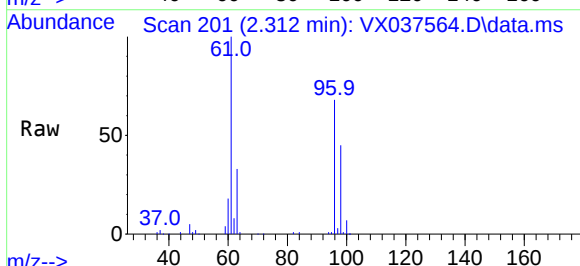
Tgt Ion: 96 Resp: 40740

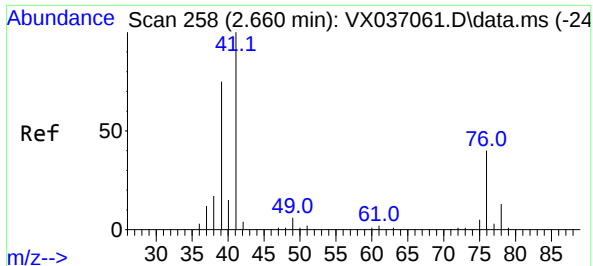
Ion Ratio Lower Upper

96 100

61 147.7 144.6 216.8

98 67.0 50.4 75.6

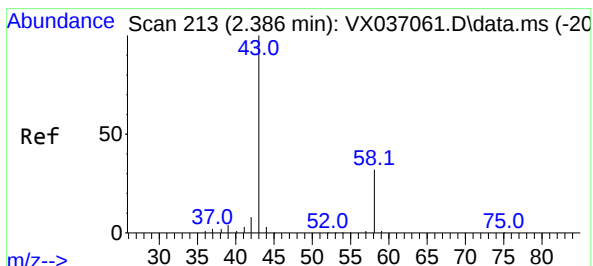
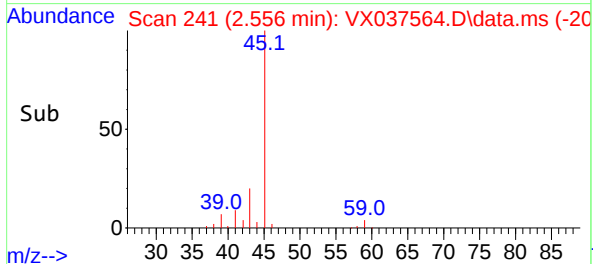
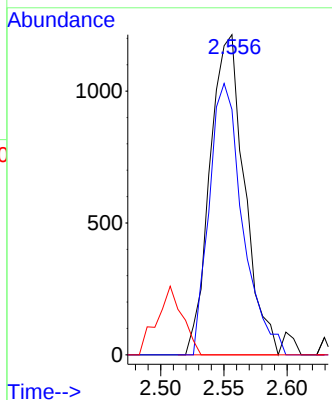
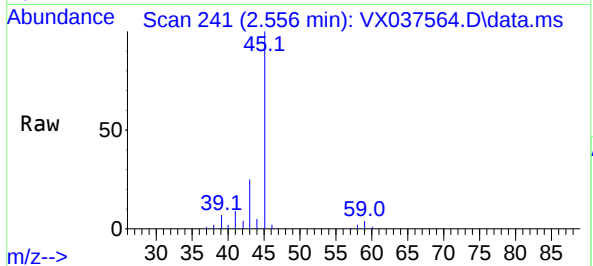




#14
 Allyl chloride
 Concen: 1.074 ug/l
 RT: 2.556 min Scan# 241
 Delta R.T. -0.104 min
 Lab File: VX037564.D
 Acq: 06 Sep 2023 19:07

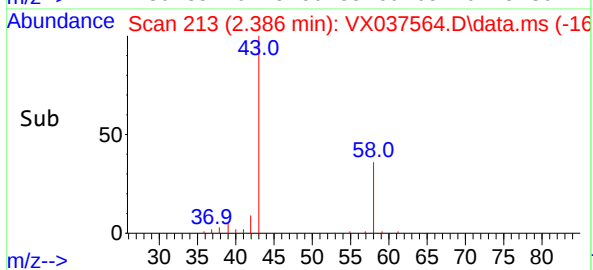
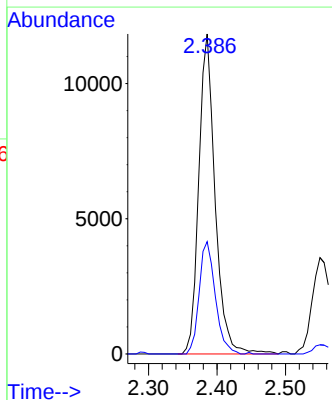
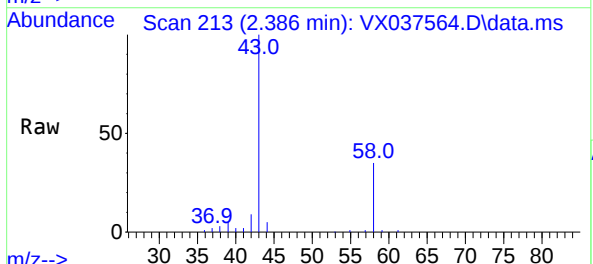
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-03-127-090123-3V

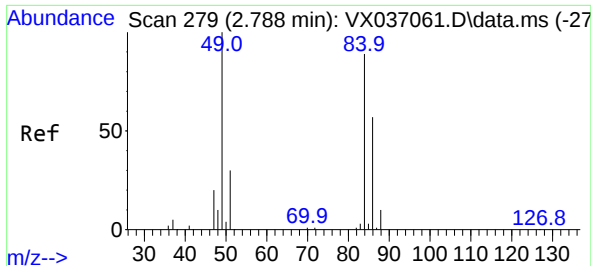
Tgt Ion:	41	Resp:	2301
Ion	Ratio	Lower	Upper
41	100		
39	82.4	55.8	83.6
76	0.0	24.3	36.5



#16
 Acetone
 Concen: 25.901 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX037564.D
 Acq: 06 Sep 2023 19:07

Tgt Ion:	43	Resp:	19647
Ion	Ratio	Lower	Upper
43	100		
58	35.1	21.9	32.9

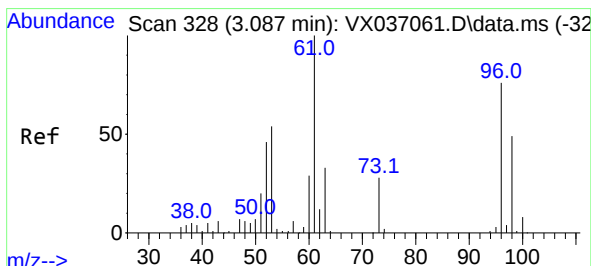
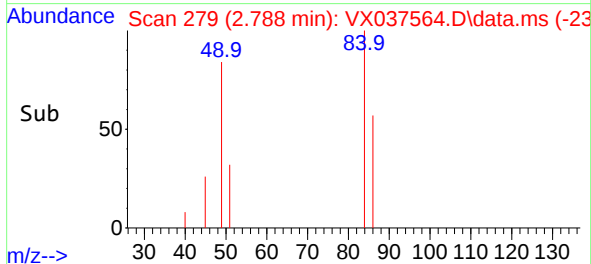
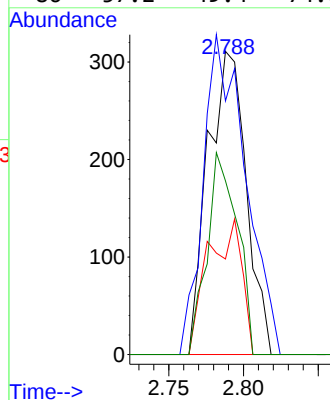
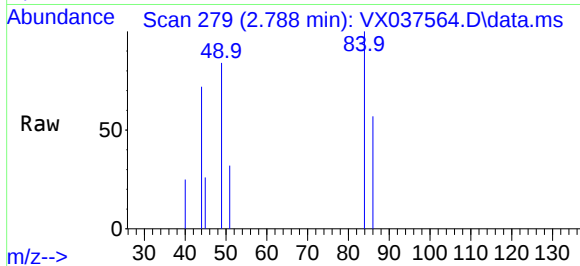




#20
Methylene Chloride
Concen: 0.327 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

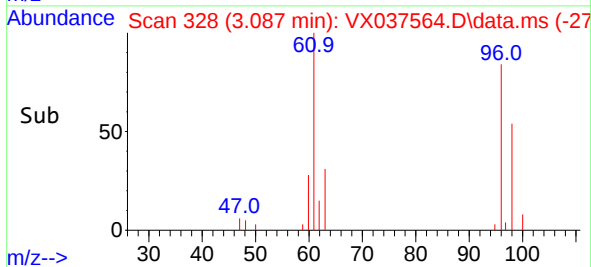
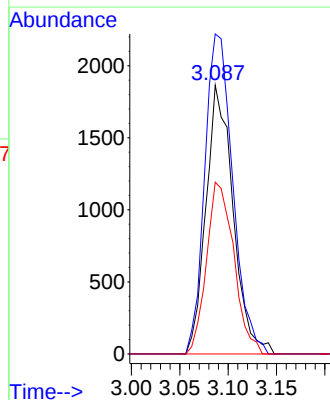
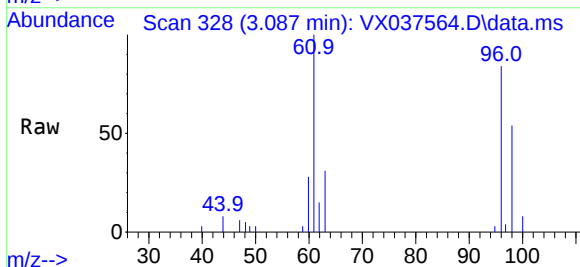
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-090123-3V

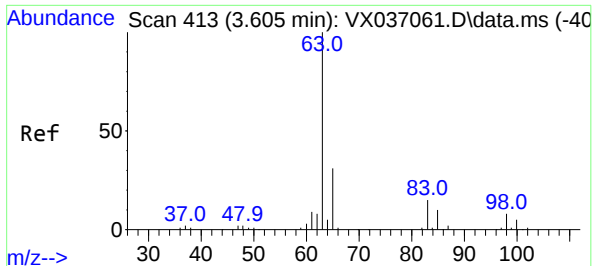
Tgt Ion: 84	Resp: 555
Ion Ratio	Lower Upper
84 100	
49 83.6	103.6 155.4#
51 31.5	33.8 50.6#
86 57.2	49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 2.312 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Tgt Ion: 96	Resp: 3638		
Ion Ratio	Lower	Upper	
96 100			
61 119.0	119.2	178.8#	
98 63.9	48.7	73.1	

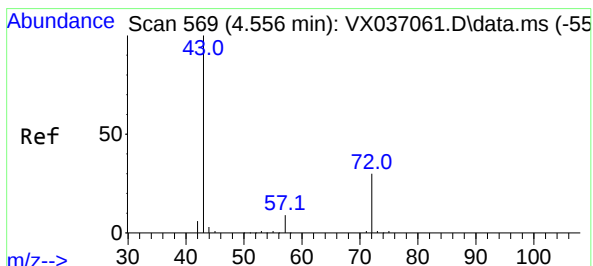
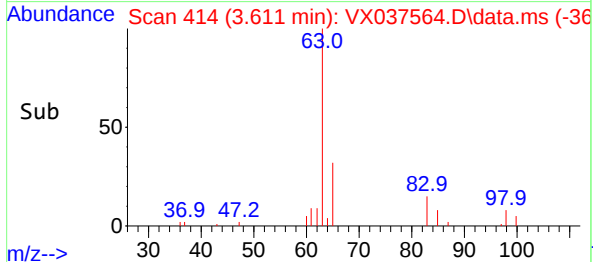
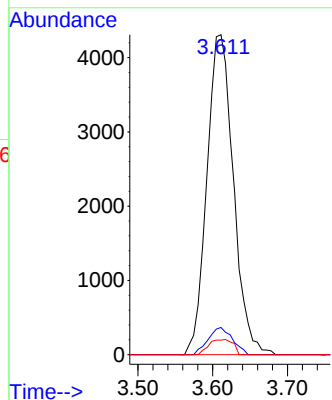
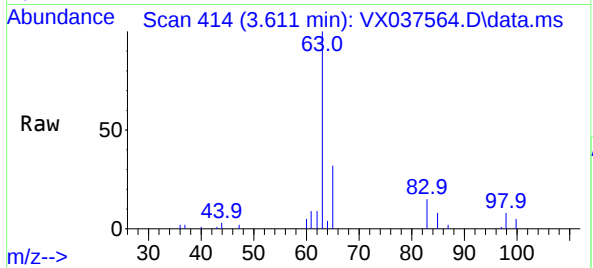




#24
1,1-Dichloroethane
Concen: 3.853 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

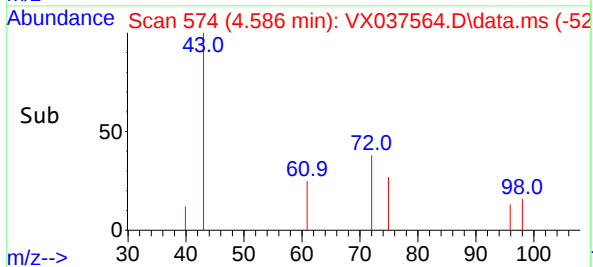
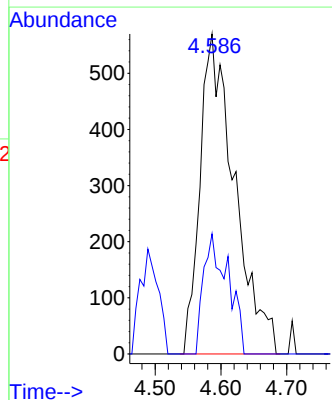
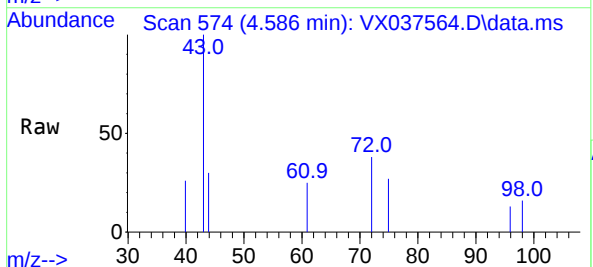
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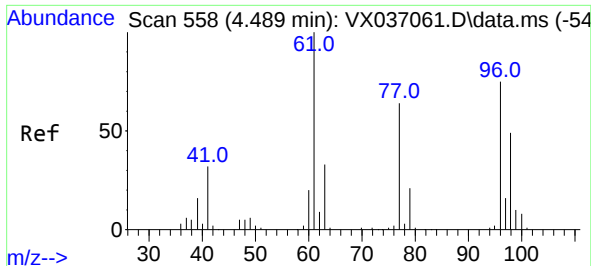
Tgt Ion: 63 Resp: 10625
Ion Ratio Lower Upper
63 100
98 8.5 3.3 9.8
100 4.6 2.1 6.5



#25
2-Butanone
Concen: 1.821 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Tgt Ion: 43 Resp: 2080
Ion Ratio Lower Upper
43 100
72 37.5 19.4 29.2#

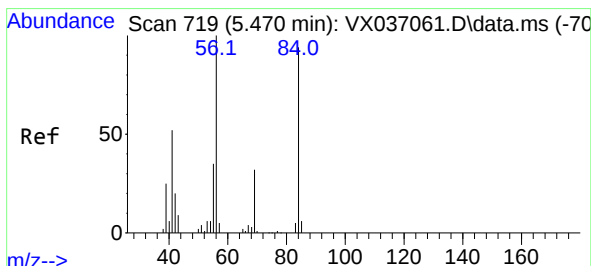
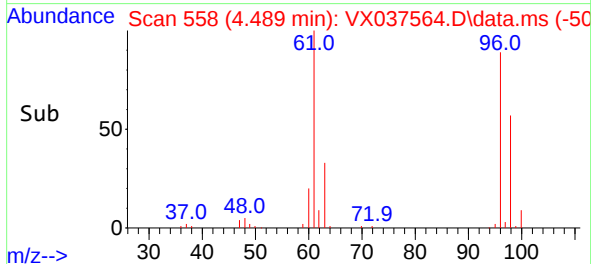
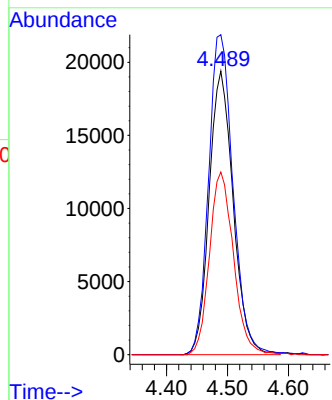
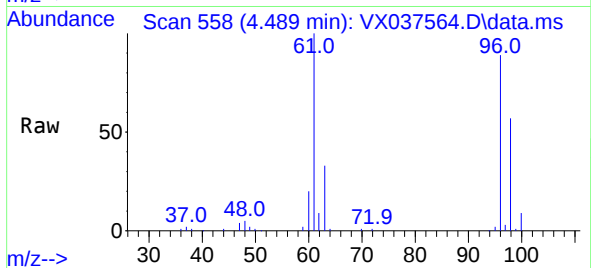




#27
 cis-1,2-Dichloroethene
 Concen: 28.679 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX037564.D
 Acq: 06 Sep 2023 19:07

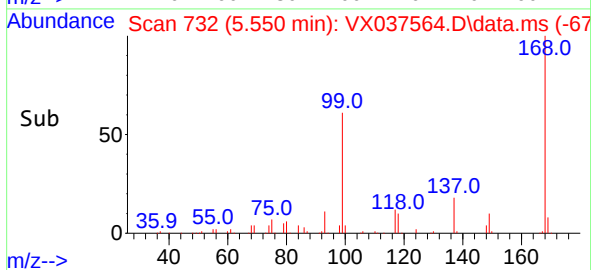
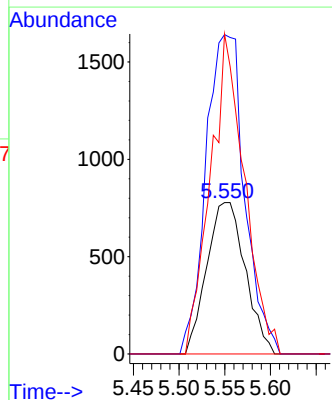
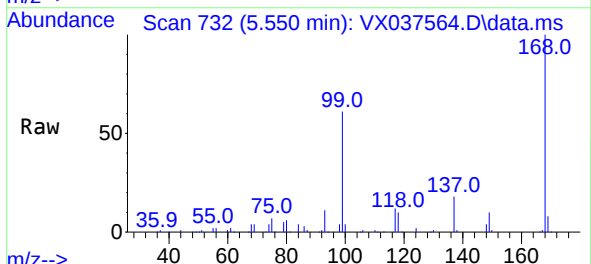
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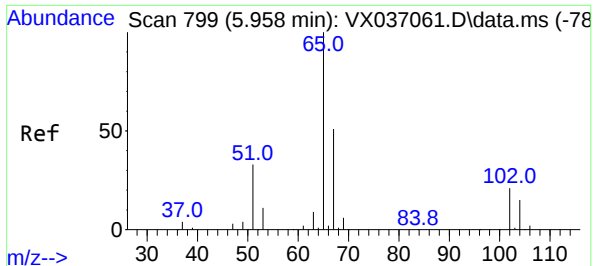
Tgt Ion: 96 Resp: 53212
 Ion Ratio Lower Upper
 96 100
 61 115.2 0.0 312.2
 98 64.5 0.0 129.0



#31
 Cyclohexane
 Concen: 1.045 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX037564.D
 Acq: 06 Sep 2023 19:07

Tgt Ion: 56 Resp: 2278
 Ion Ratio Lower Upper
 56 100
 69 210.9 23.4 35.2#
 84 211.3 65.9 98.9#

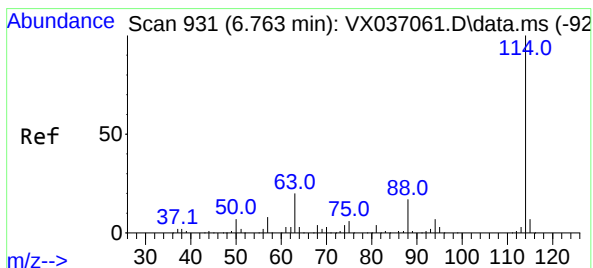
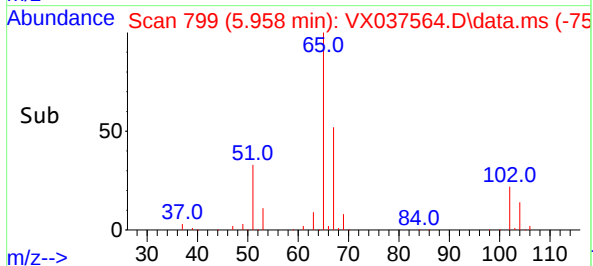
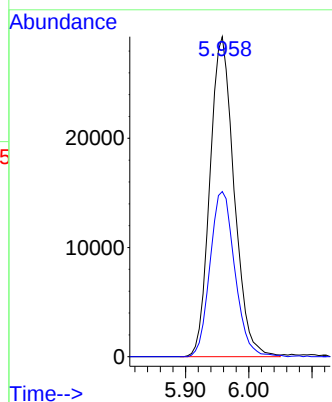
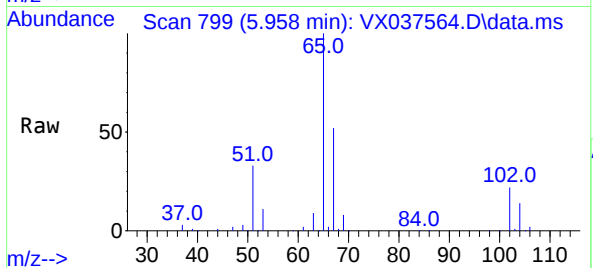




#33
 1,2-Dichloroethane-d4
 Concen: 40.069 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX037564.D
 Acq: 06 Sep 2023 19:07

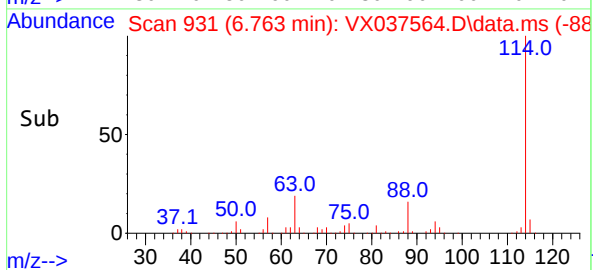
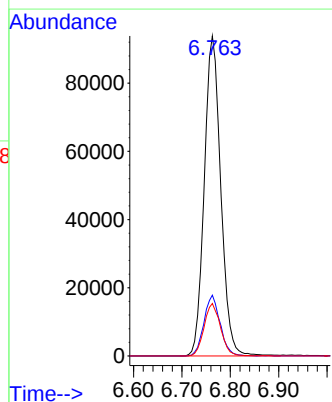
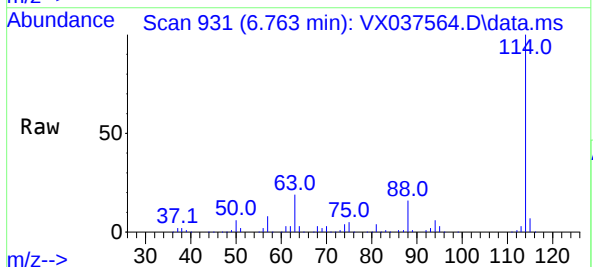
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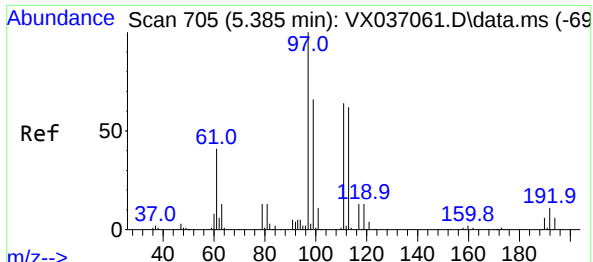
Tgt Ion: 65 Resp: 77693
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX037564.D
 Acq: 06 Sep 2023 19:07

Tgt Ion: 114 Resp: 222542
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 45.0
 88 16.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.873 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037564.D

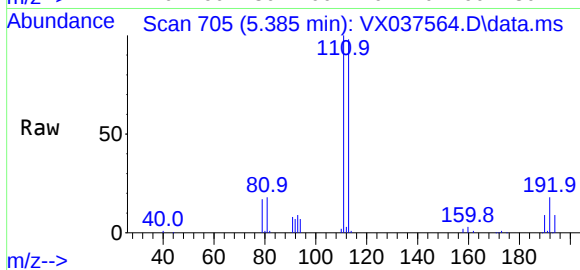
Acq: 06 Sep 2023 19:07

Instrument :

MSVOA_X

ClientSampleId :

BR-03-127-090123-3V



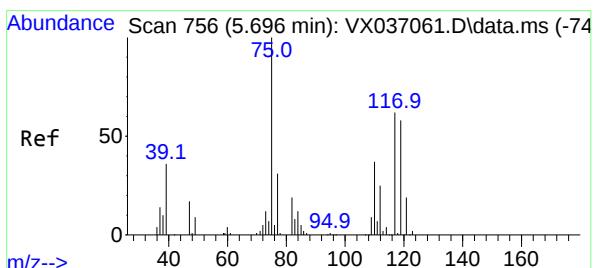
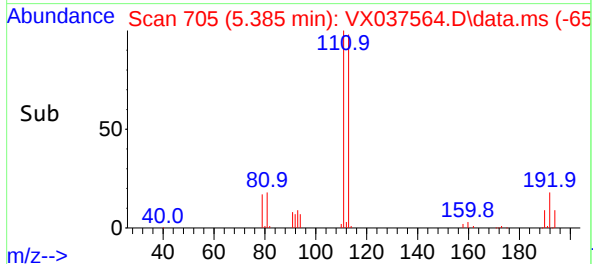
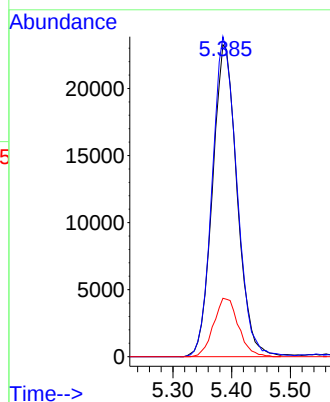
Tgt Ion:113 Resp: 67610

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

192 18.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.698 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX037564.D

Acq: 06 Sep 2023 19:07

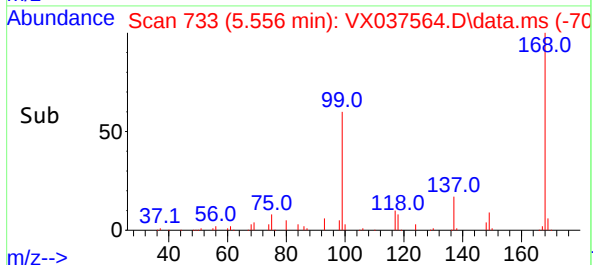
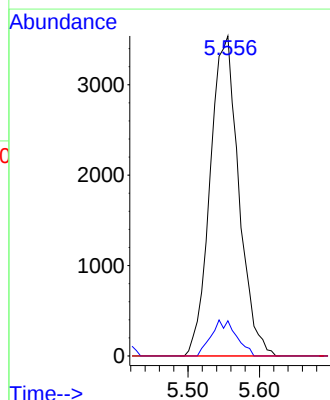
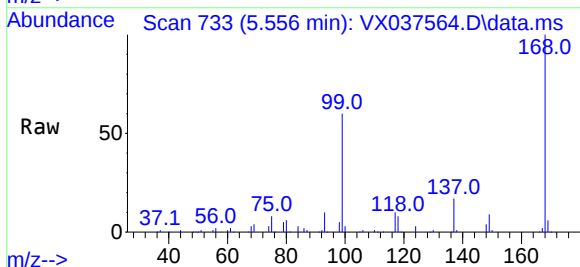
Tgt Ion: 75 Resp: 9838

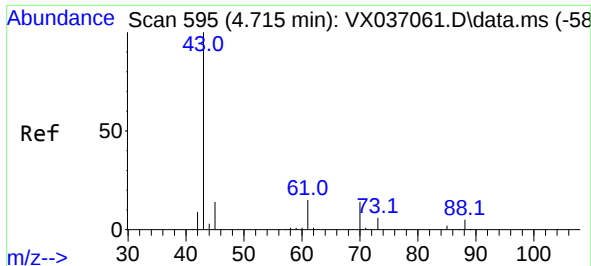
Ion Ratio Lower Upper

75 100

110 9.8 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.972 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.128 min

Lab File: VX037564.D

Acq: 06 Sep 2023 19:07

Instrument :

MSVOA_X

ClientSampleId :

BR-03-127-090123-3V

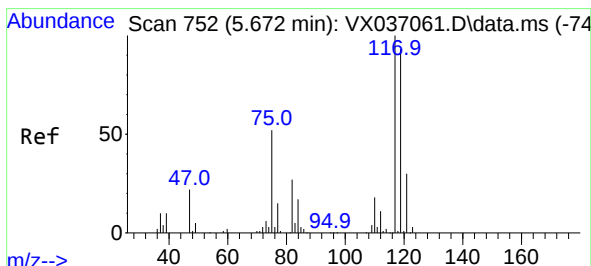
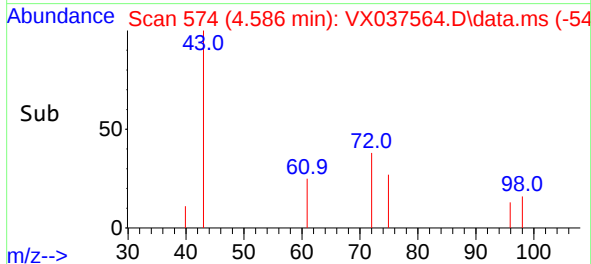
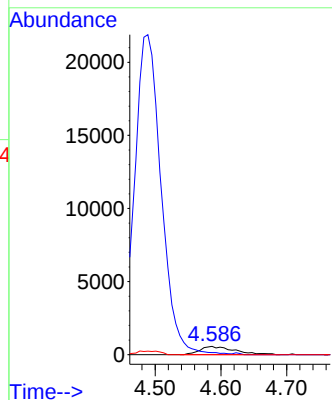
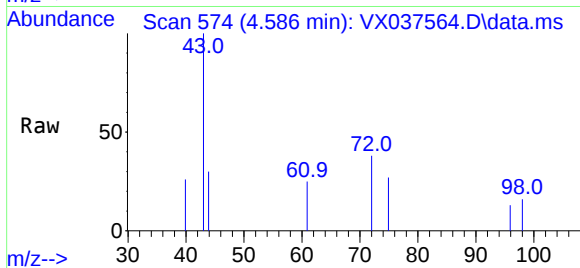
Tgt Ion: 43 Resp: 2080

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.150 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037564.D

Acq: 06 Sep 2023 19:07

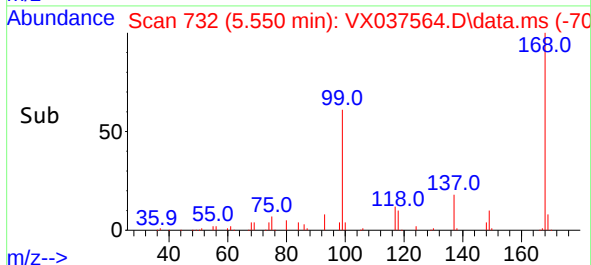
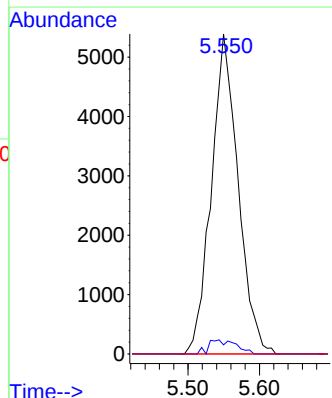
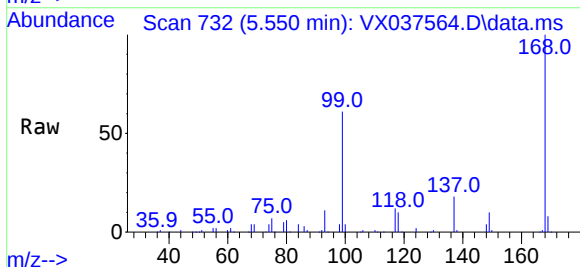
Tgt Ion: 117 Resp: 13989

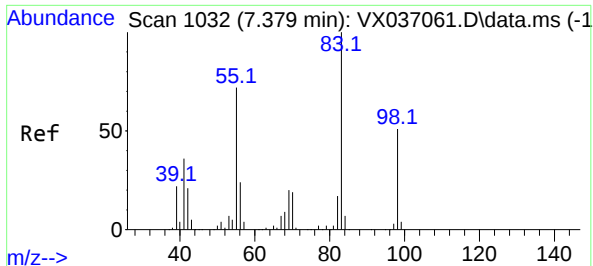
Ion Ratio Lower Upper

117 100

119 2.8 78.2 117.2#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.858 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX037564.D

Acq: 06 Sep 2023 19:07

Instrument :

MSVOA_X

ClientSampleId :

BR-03-127-090123-3V

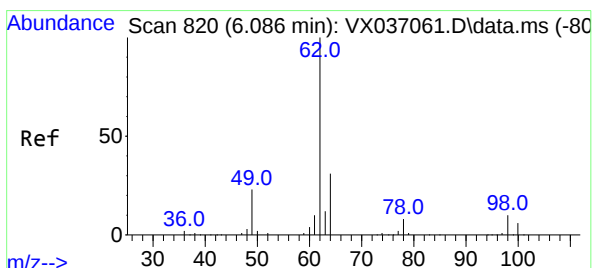
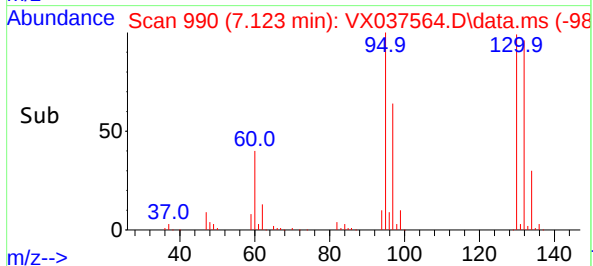
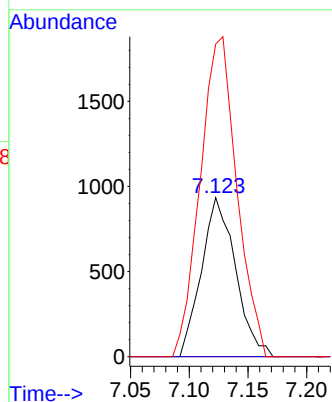
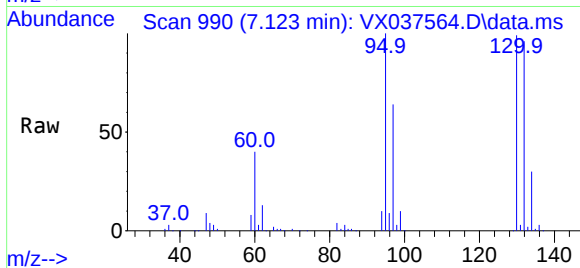
Tgt Ion: 83 Resp: 1888

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 196.5 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 3.223 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX037564.D

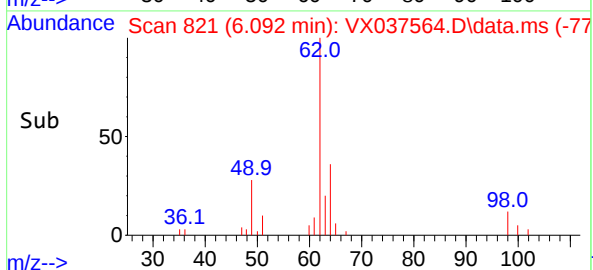
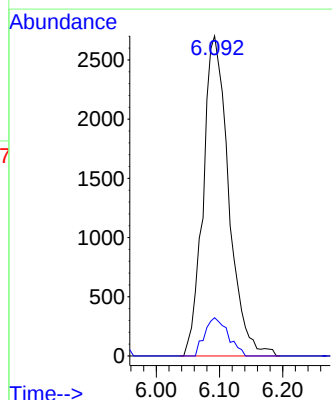
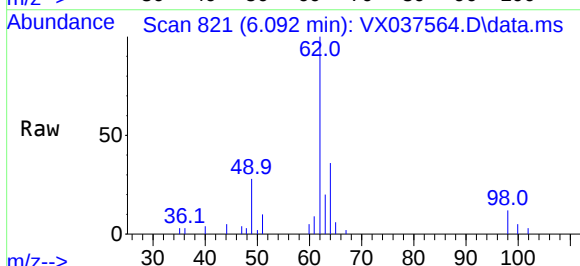
Acq: 06 Sep 2023 19:07

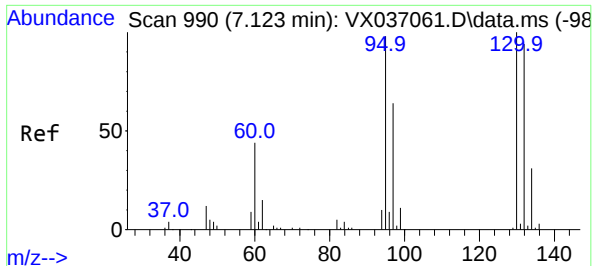
Tgt Ion: 62 Resp: 7590

Ion Ratio Lower Upper

62 100

98 10.9 0.0 16.0

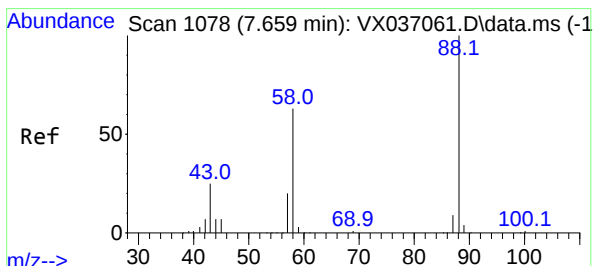
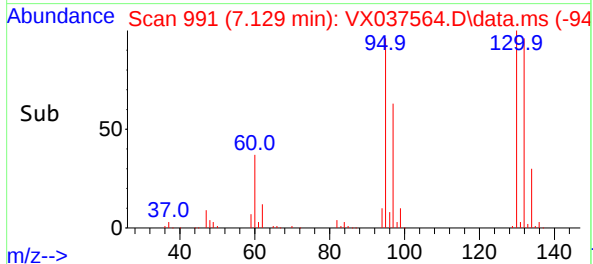
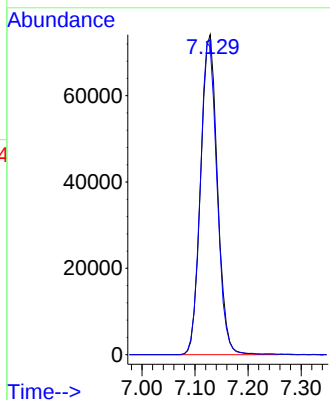
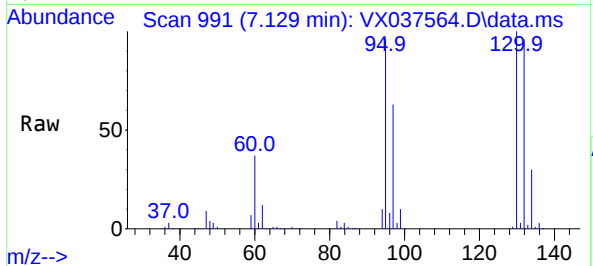




#44
Trichloroethene
Concen: 95.542 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

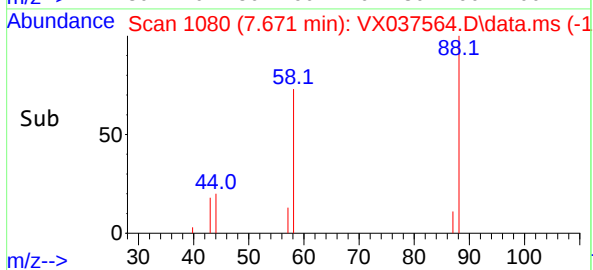
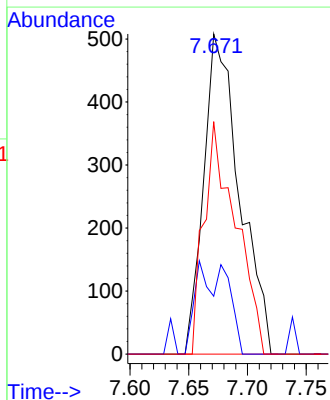
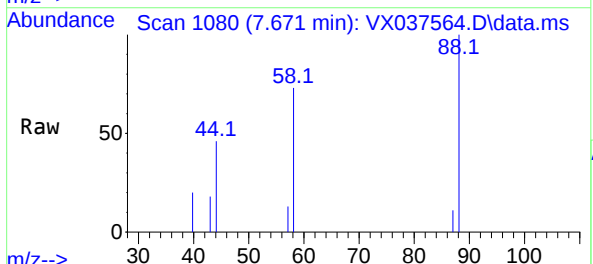
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-090123-3V

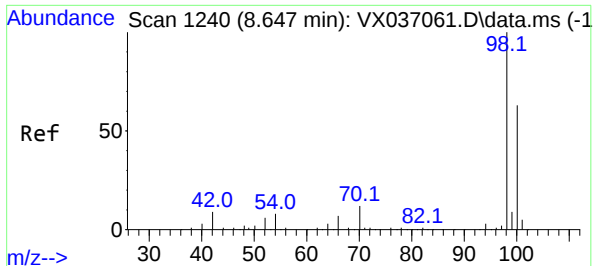
Tgt Ion:130 Resp: 162695
Ion Ratio Lower Upper
130 100
95 96.2 0.0 204.4



#49
1,4-Dioxane
Concen: 24.214 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Tgt Ion: 88 Resp: 1080
Ion Ratio Lower Upper
88 100
43 14.0 0.0 0.0#
58 64.2 60.1 90.1

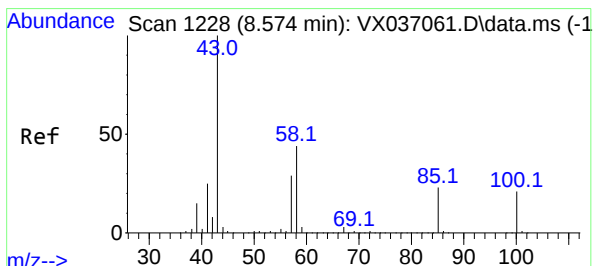
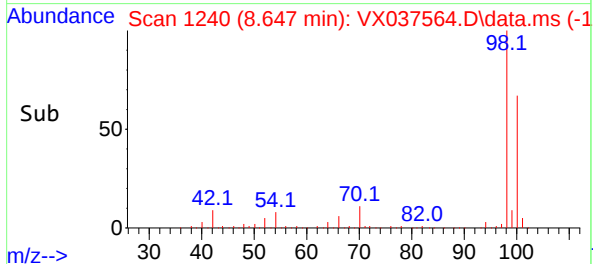
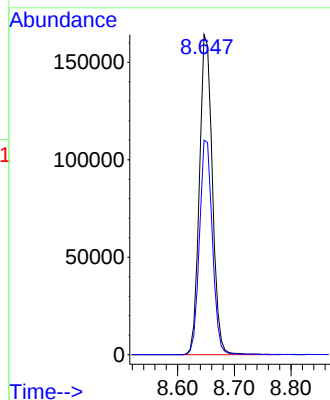
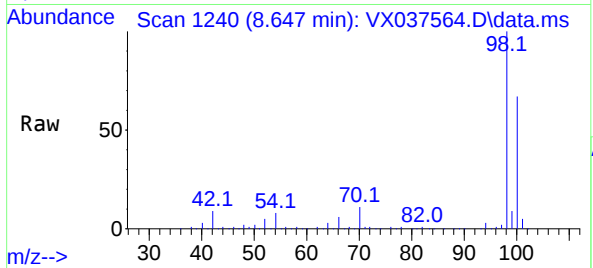




#50
Toluene-d8
Concen: 48.592 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

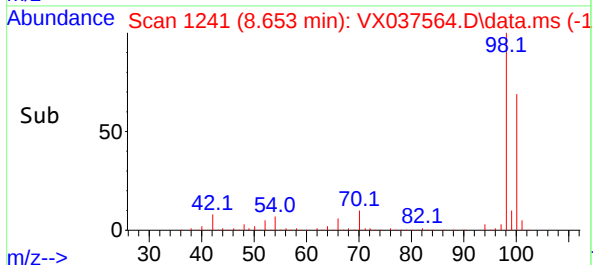
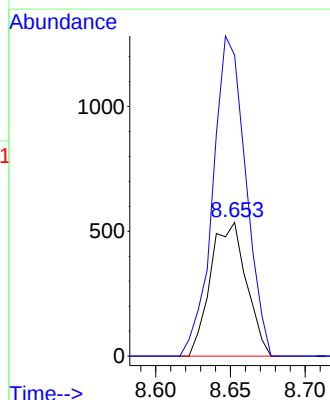
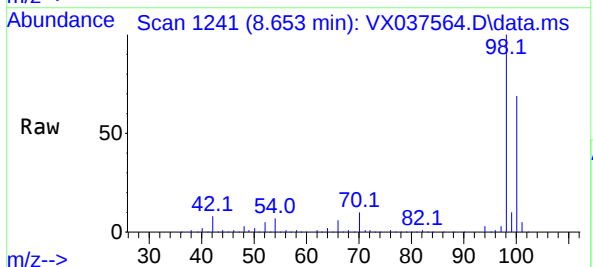
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-090123-3V

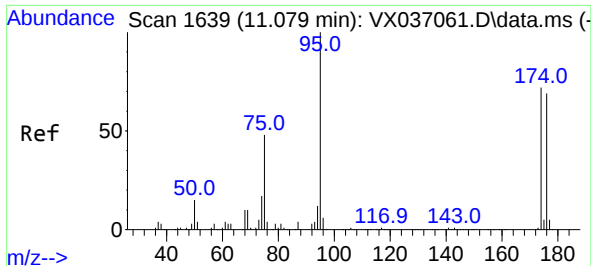
Tgt Ion: 98 Resp: 259784
Ion Ratio Lower Upper
98 100
100 67.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
58 220.1 30.4 45.6#

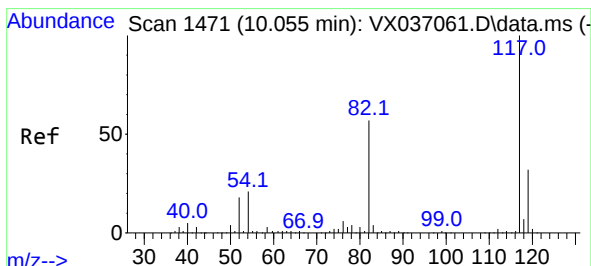
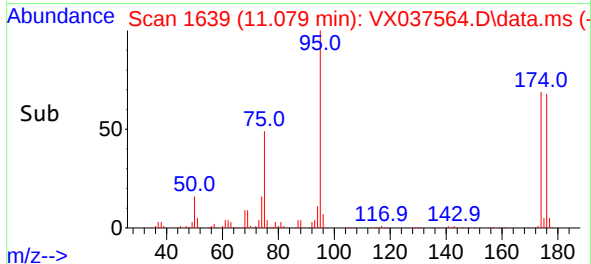
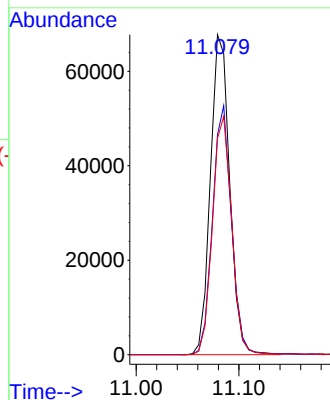
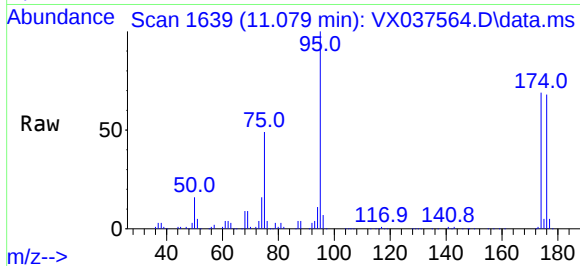




#62
4-Bromofluorobenzene
Concen: 42.051 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

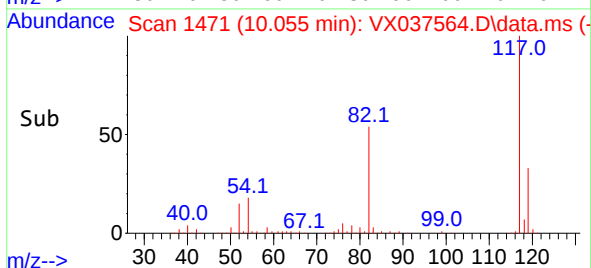
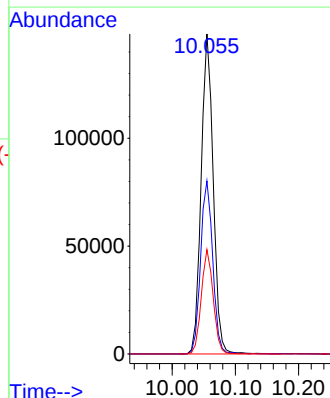
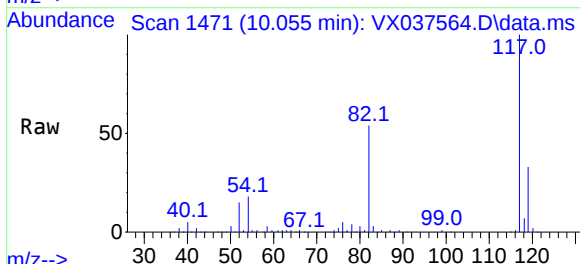
Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-090123-3V

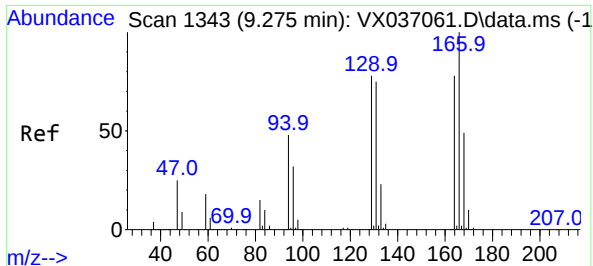
Tgt Ion: 95 Resp: 88348
Ion Ratio Lower Upper
95 100
174 76.2 0.0 135.6
176 74.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Tgt Ion: 117 Resp: 197143
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 32.6 25.5 38.3



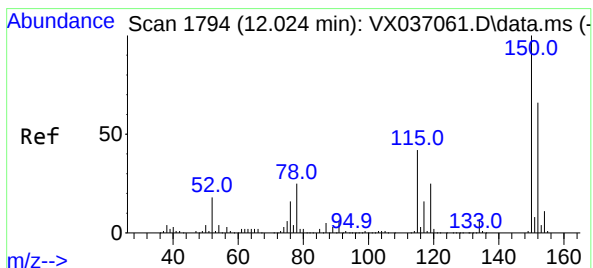
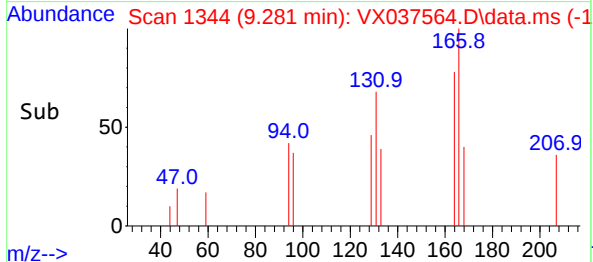
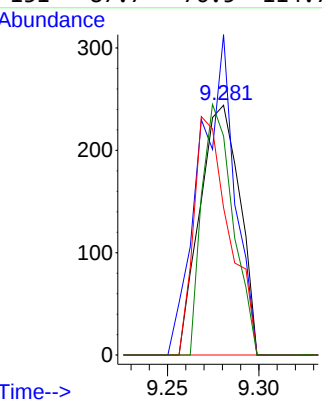
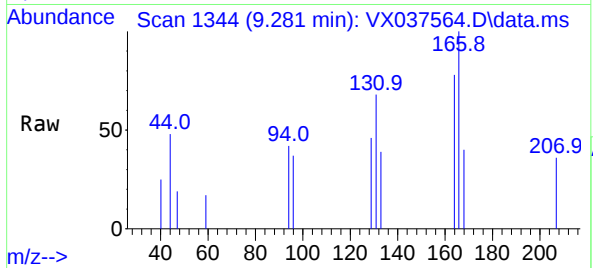


#64
Tetrachloroethene
Concen: 0.257 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-090123-3V

Tgt Ion:164 Resp: 370

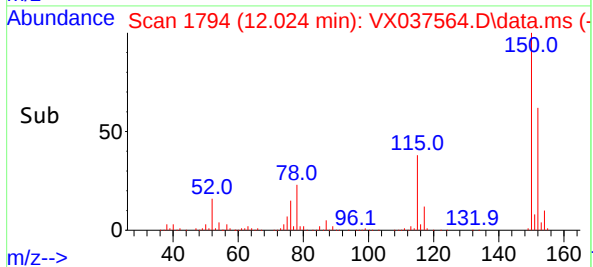
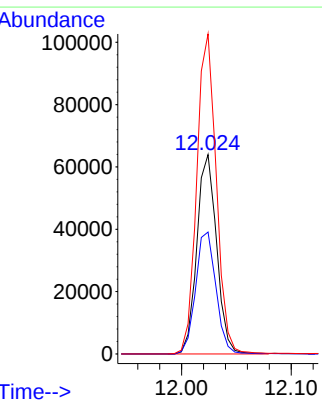
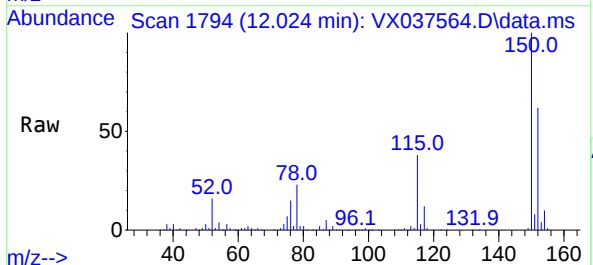
Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.7	154.1
129	59.0	80.4	120.6#
131	87.7	76.5	114.7

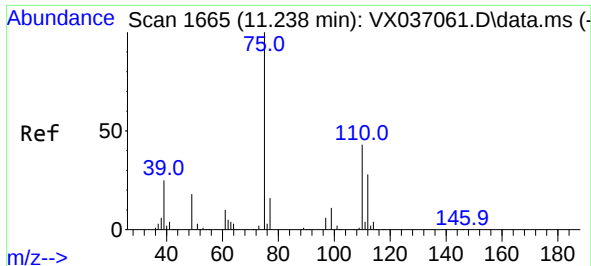


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Tgt Ion:152 Resp: 80129

Ion	Ratio	Lower	Upper
152	100		
115	63.3	43.3	129.9
150	159.3	0.0	345.0

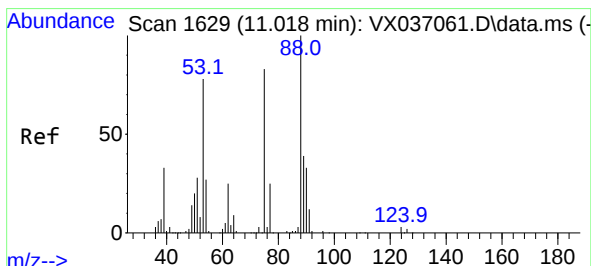
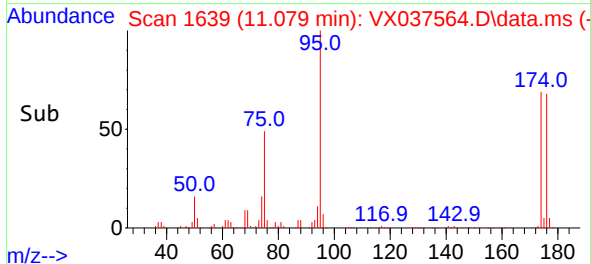
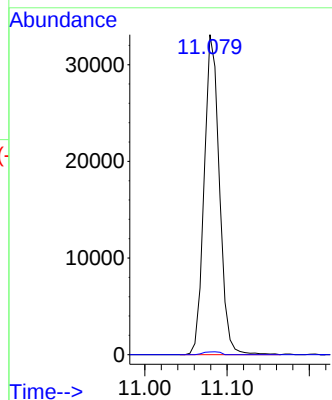
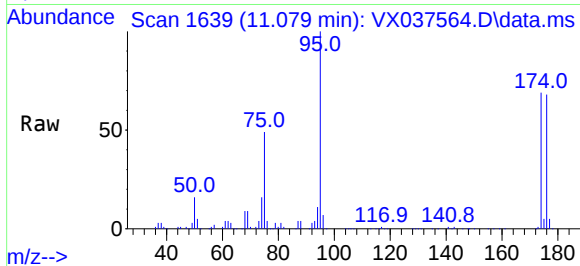




#76
1,2,3-Trichloropropane
Concen: 25.010 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Instrument :
MSVOA_X
ClientSampleId :
BR-03-127-090123-3V

Tgt Ion: 75 Resp: 42679
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.854 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037564.D
Acq: 06 Sep 2023 19:07

Tgt Ion: 75 Resp: 42679
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

