

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082423\
 Data File : VX037210.D
 Acq On : 24 Aug 2023 12:41
 Operator : JC/MD
 Sample : 04051-08DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20230816DL

Quant Time: Aug 24 23:38:06 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)

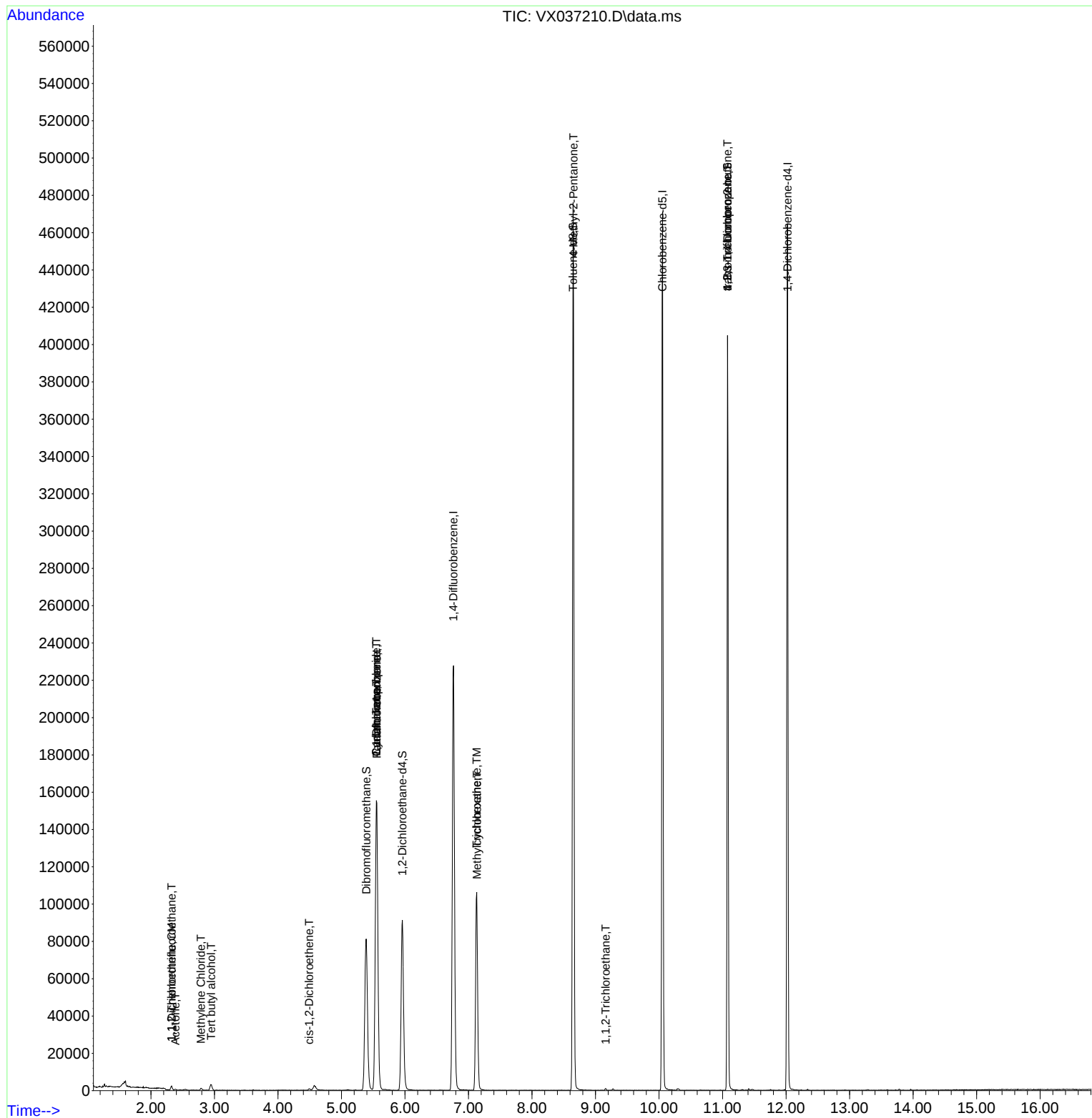
Internal Standards						
1) Pentafluorobenzene	5.556	168	145002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	241231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91930	43.976	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.960%
35) Dibromofluoromethane	5.391	113	74016	46.329	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.660%
50) Toluene-d8	8.646	98	280510	48.404	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.800%
62) 4-Bromofluorobenzene	11.079	95	106339	46.693	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.380%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.324	101	380	0.248	ug/l #	90
11) Tert butyl alcohol	2.946	59	1934	3.944	ug/l #	78
12) 1,1-Dichloroethene	2.324	96	604	0.405	ug/l #	76
16) Acetone	2.385	43	603	0.737	ug/l #	78
20) Methylene Chloride	2.788	84	564	0.308	ug/l #	71
27) cis-1,2-Dichloroethene	4.489	96	488	0.244	ug/l	85
31) Cyclohexane	5.549	56	2976	1.266	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	11809	5.203	ug/l #	51
38) Carbon Tetrachloride	5.549	117	15588	6.322	ug/l #	15
39) Methylcyclohexane	7.134	83	530	0.222	ug/l #	1
44) Trichloroethene	7.128	130	42351	22.944	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	1127	0.504	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	366	0.209	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	55104	25.945	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55104	72.467	ug/l #	5

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

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RE139D1-20230816DL

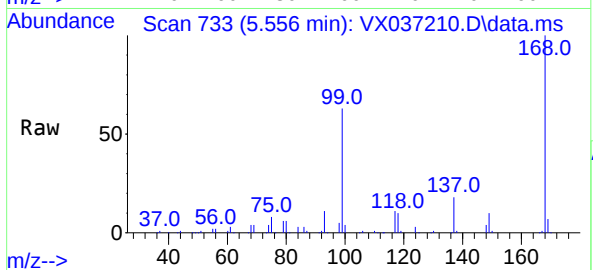
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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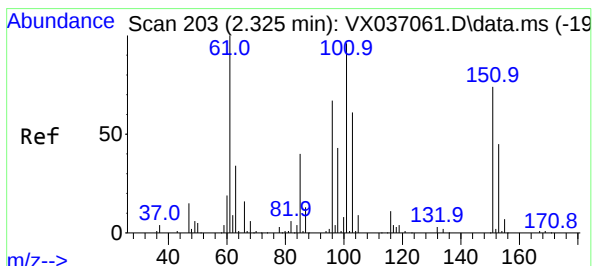
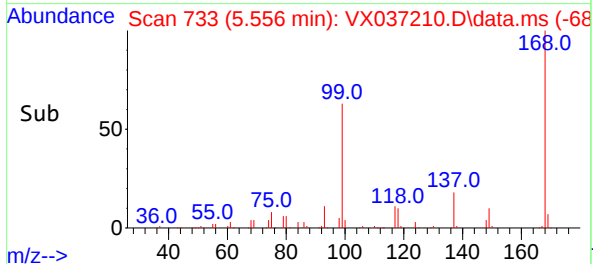
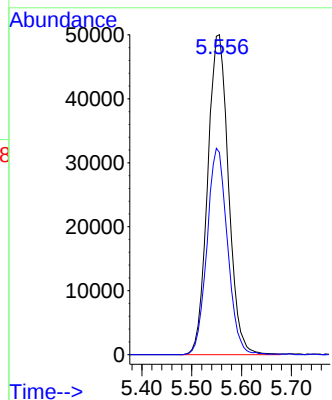


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

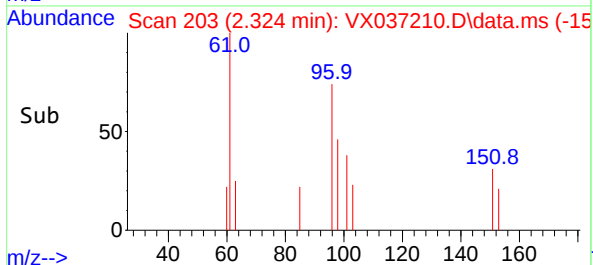
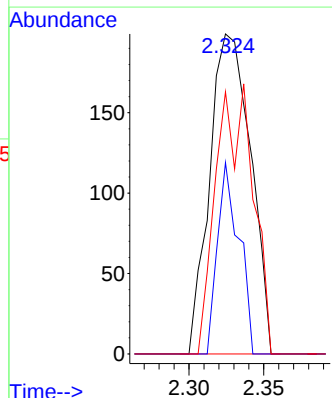
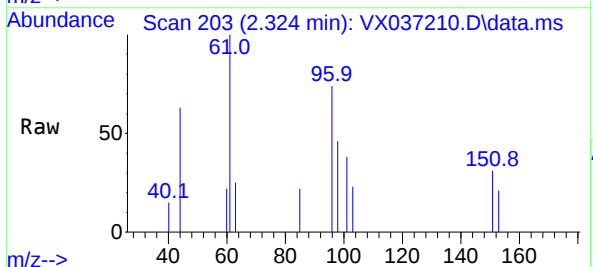


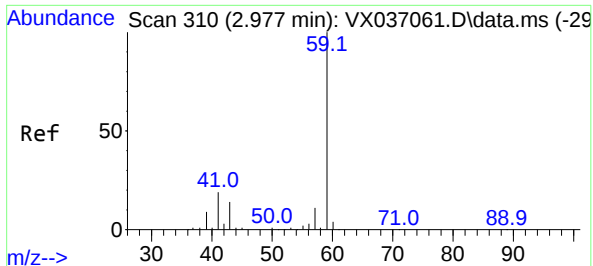
Tgt Ion:168 Resp: 145002
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.248 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Tgt Ion:101 Resp: 380
Ion Ratio Lower Upper
101 100
85 31.3 37.0 55.6#
151 75.5 58.6 87.8





#11

Tert butyl alcohol

Concen: 3.944 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.031 min

Lab File: VX037210.D

Acq: 24 Aug 2023 12:41

Instrument :

MSVOA_X

ClientSampleId :

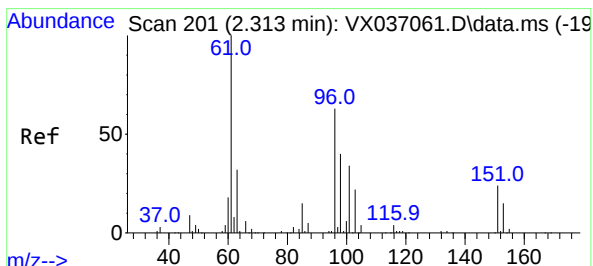
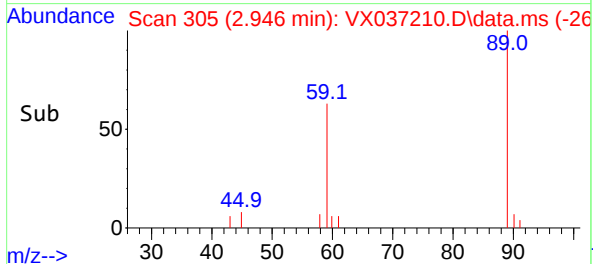
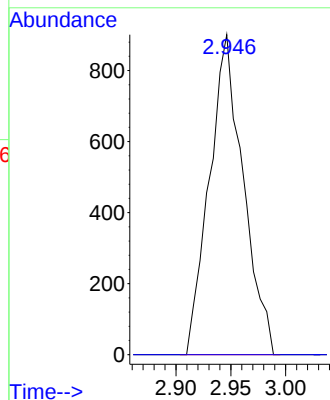
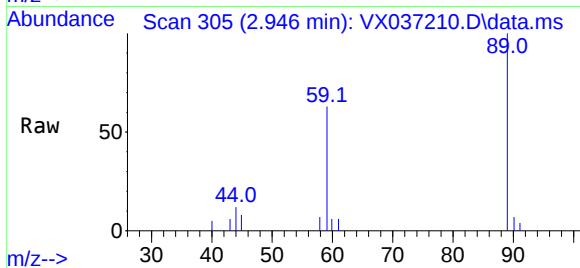
RE139D1-20230816DL

Tgt Ion: 59 Resp: 1934

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.405 ug/l

RT: 2.324 min Scan# 203

Delta R.T. 0.012 min

Lab File: VX037210.D

Acq: 24 Aug 2023 12:41

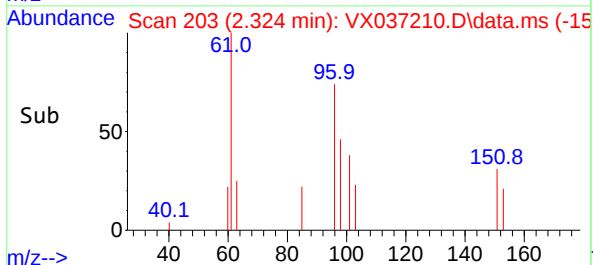
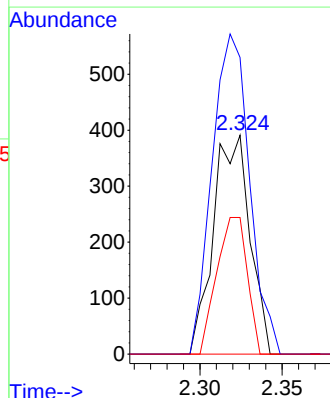
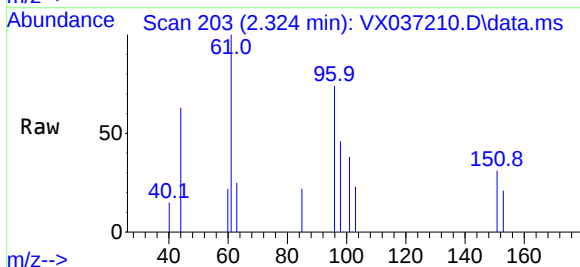
Tgt Ion: 96 Resp: 604

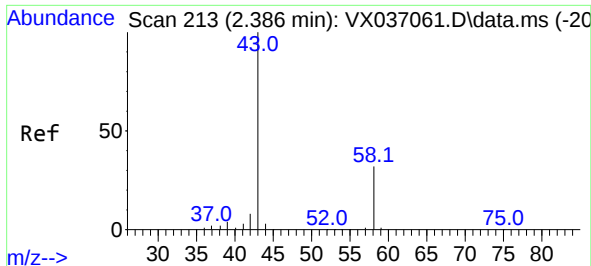
Ion Ratio Lower Upper

96 100

61 135.5 144.6 216.8#

98 62.4 50.4 75.6

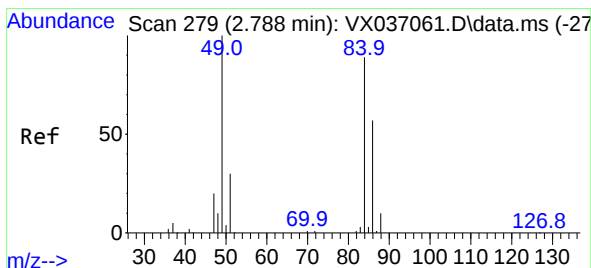
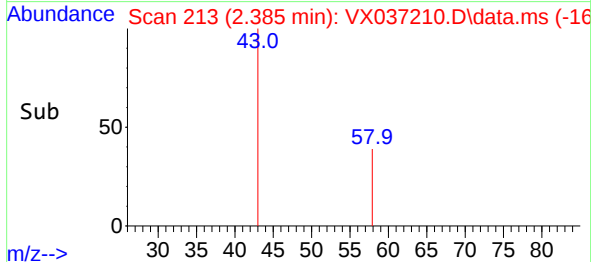
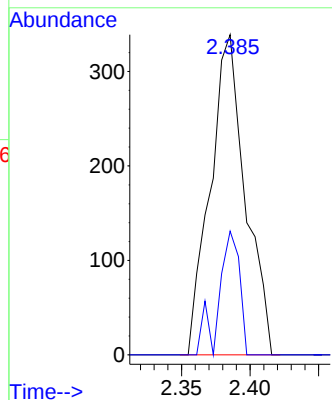
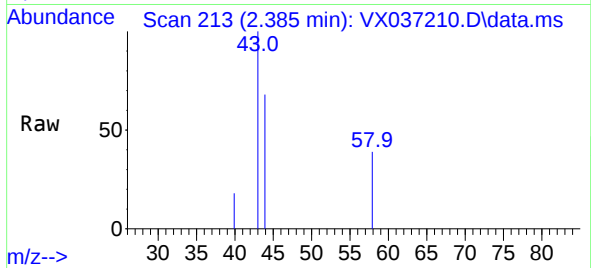




#16
Acetone
Concen: 0.737 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

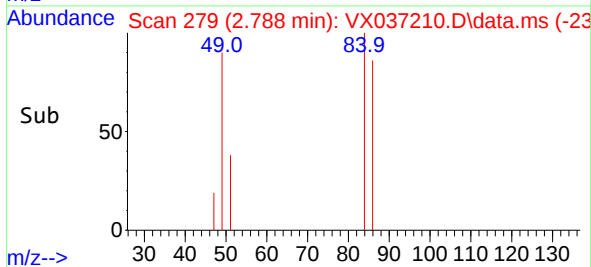
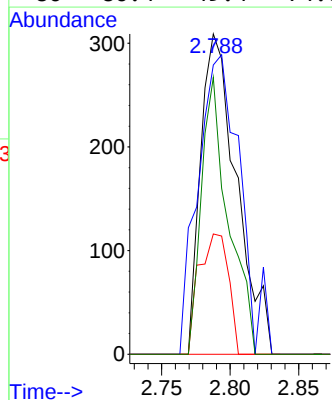
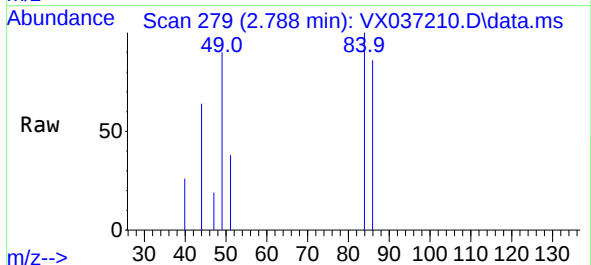
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

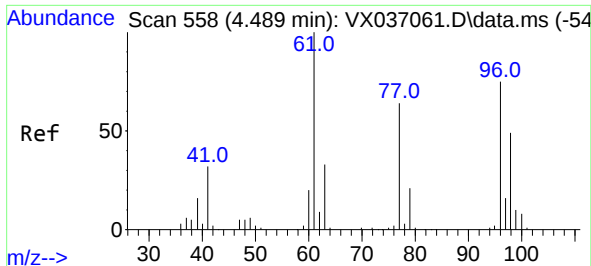
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
58 38.6 21.9 32.9#



#20
Methylene Chloride
Concen: 0.308 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Tgt Ion: 84 Resp: 564
Ion Ratio Lower Upper
84 100
49 90.3 103.6 155.4#
51 37.5 33.8 50.6
86 86.4 49.4 74.0#

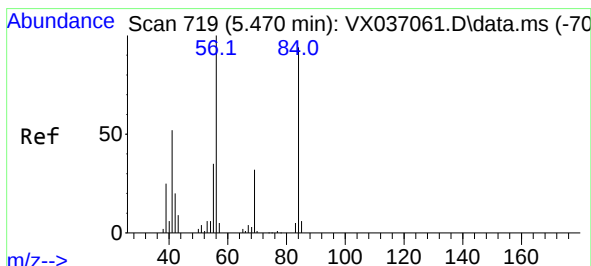
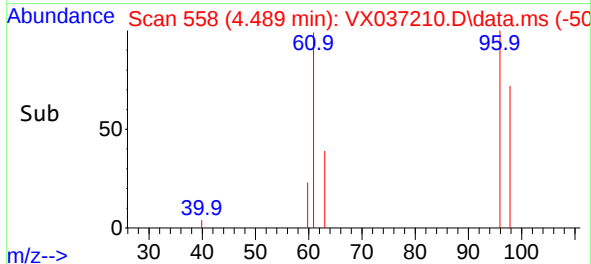
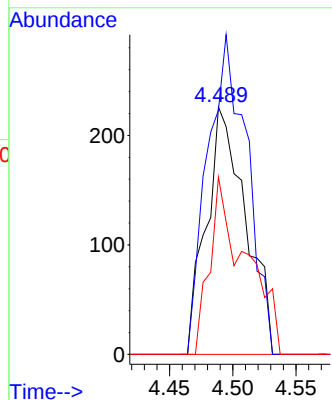
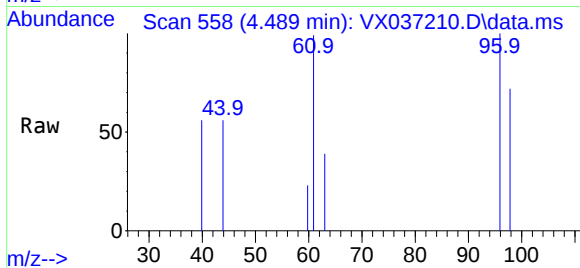




#27
cis-1,2-Dichloroethene
Concen: 0.244 ug/l
RT: 4.489 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

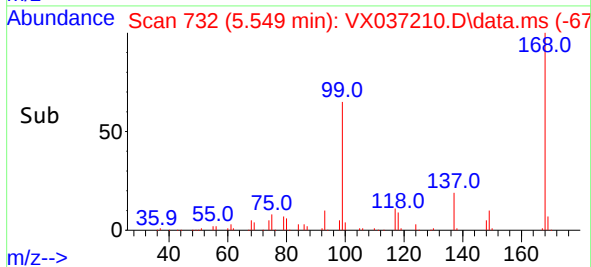
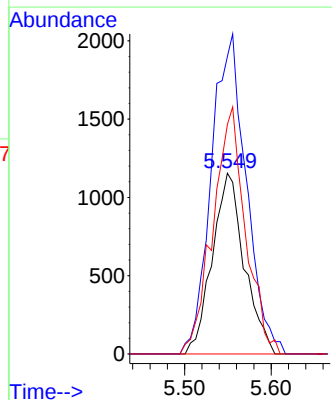
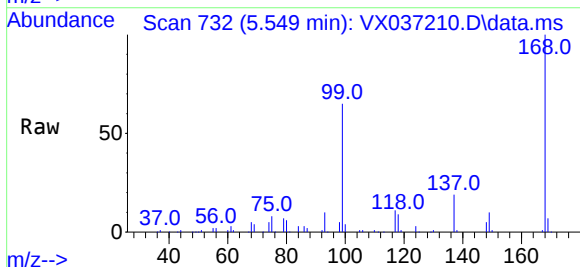
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

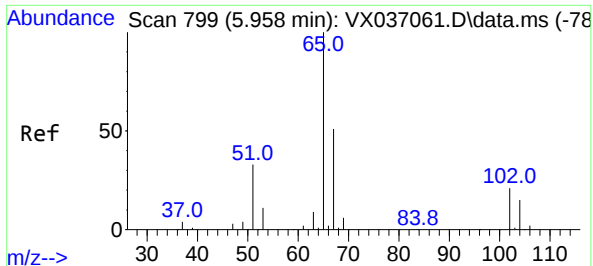
Tgt Ion:	96	Resp:	488
Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	312.2
98	66.2	0.0	129.0



#31
Cyclohexane
Concen: 1.266 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Tgt Ion:	56	Resp:	2976
Ion	Ratio	Lower	Upper
56	100		
69	164.5	23.4	35.2#
84	126.9	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.976 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037210.D

Acq: 24 Aug 2023 12:41

Instrument :

MSVOA_X

ClientSampleId :

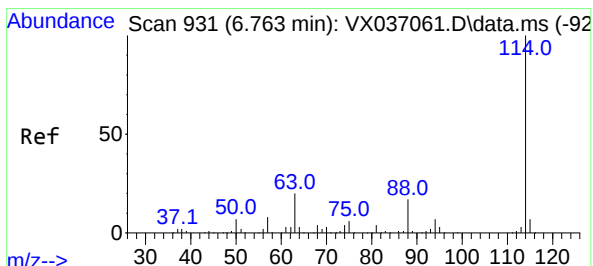
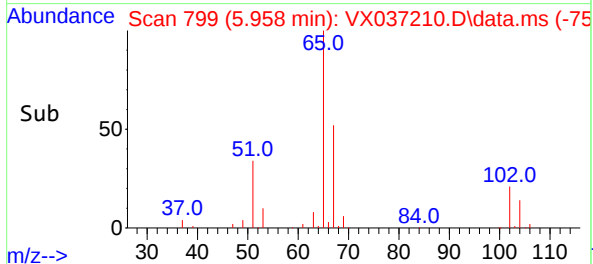
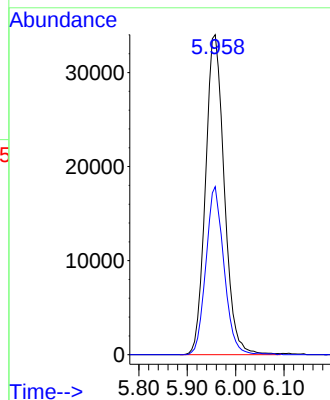
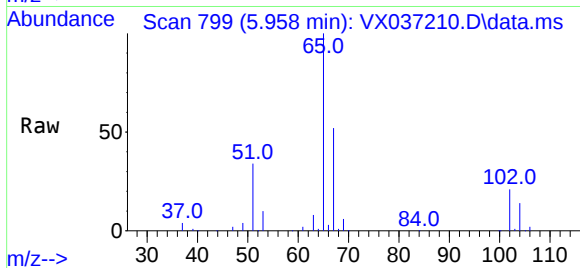
RE139D1-20230816DL

Tgt Ion: 65 Resp: 91930

Ion Ratio Lower Upper

65 100

67 50.3 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: VX037210.D

Acq: 24 Aug 2023 12:41

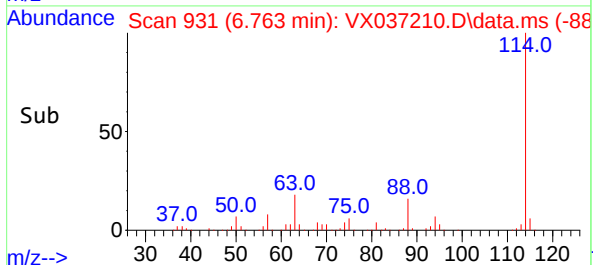
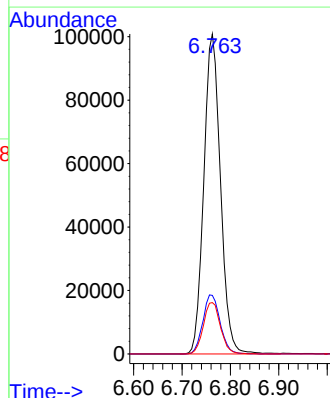
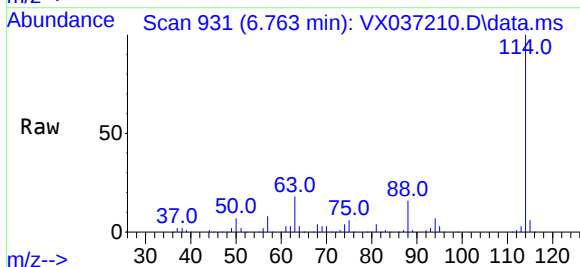
Tgt Ion: 114 Resp: 241231

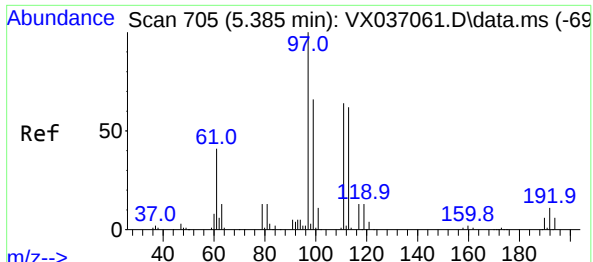
Ion Ratio Lower Upper

114 100

63 18.3 0.0 45.0

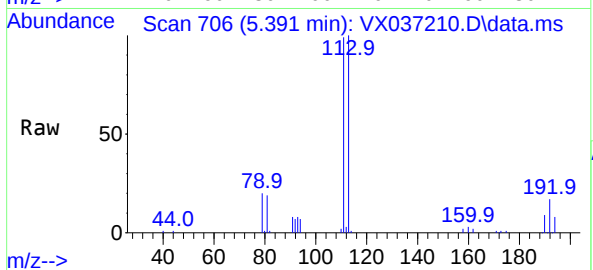
88 16.1 0.0 36.6



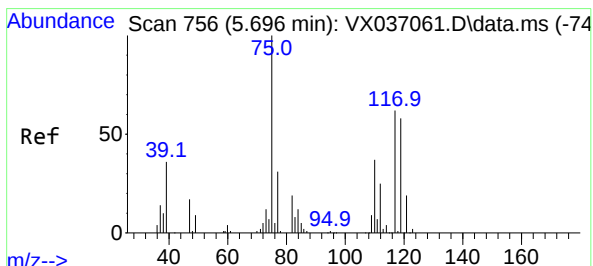
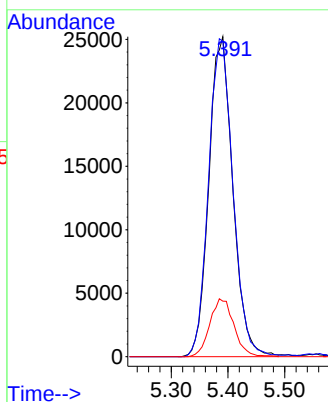
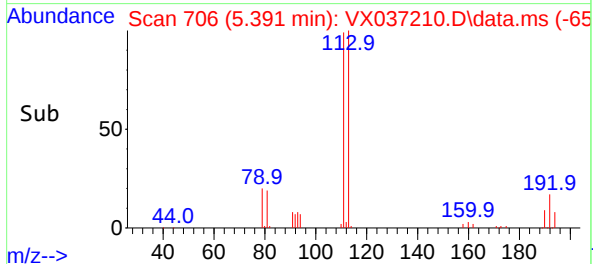


#35
Dibromofluoromethane
Concen: 46.329 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

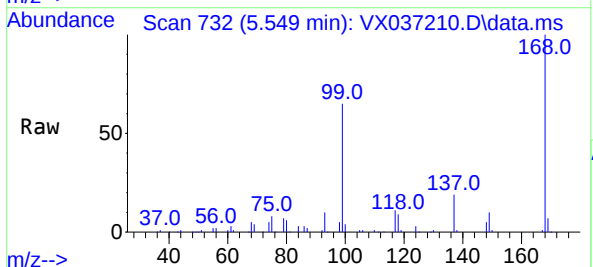
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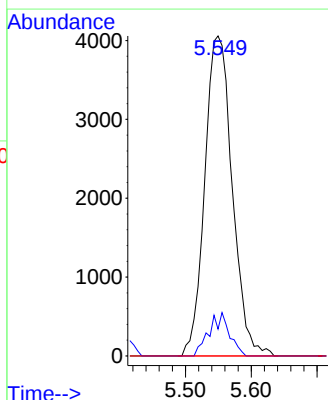
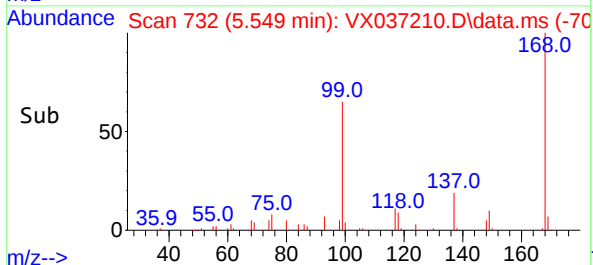
Tgt Ion:113 Resp: 74016
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 18.2 13.3 19.9

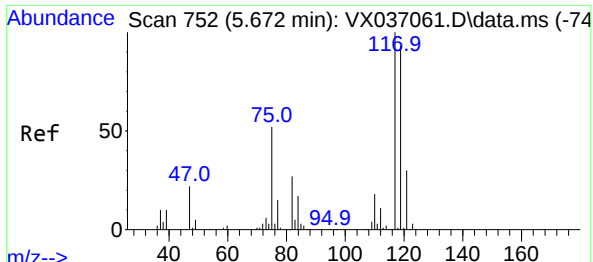


#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41



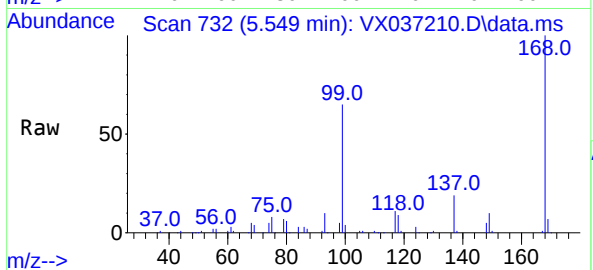
Tgt Ion: 75 Resp: 11809
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



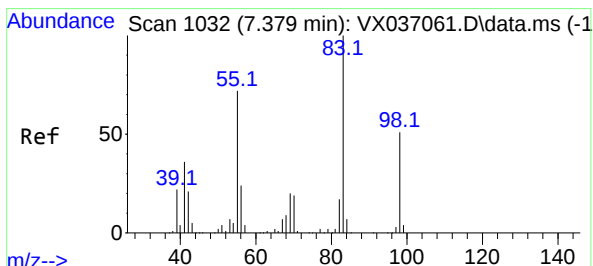
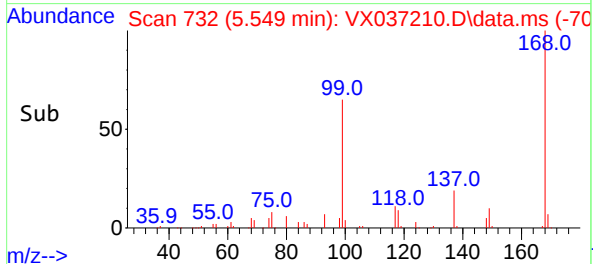
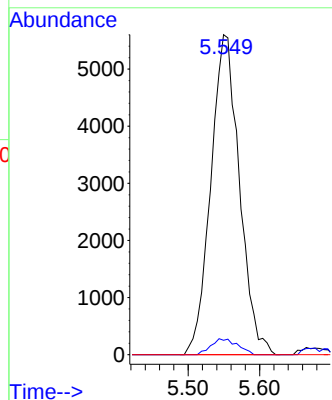


#38
Carbon Tetrachloride
Concen: 6.322 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

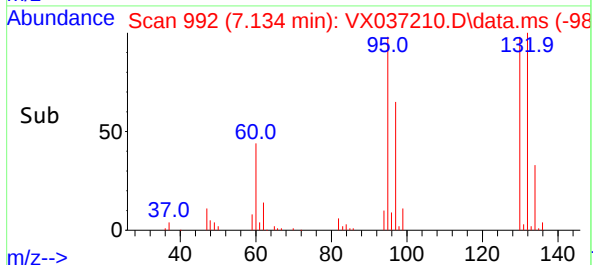
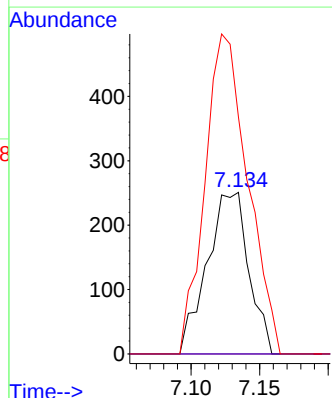
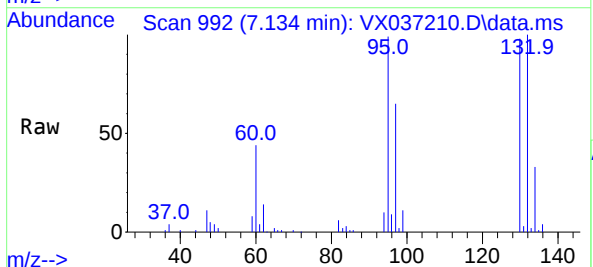


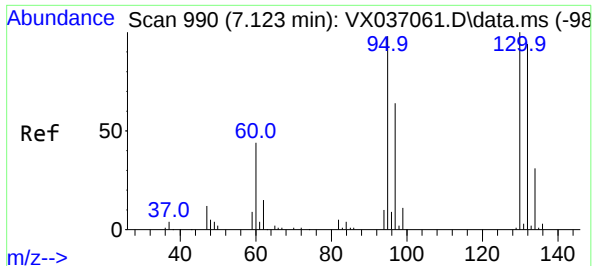
Tgt Ion:117 Resp: 15588
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.222 ug/l
RT: 7.134 min Scan# 992
Delta R.T. -0.244 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Tgt Ion: 83 Resp: 530
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 146.6 36.7 55.1#

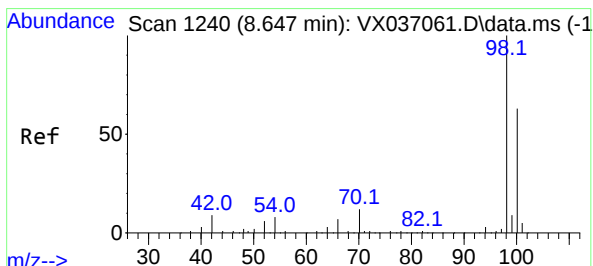
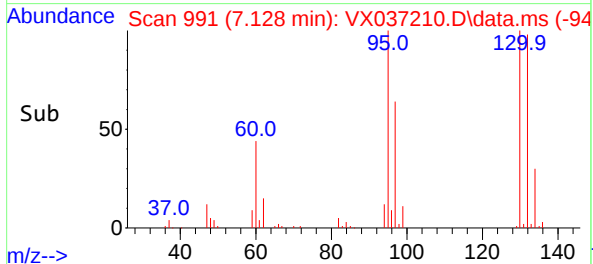
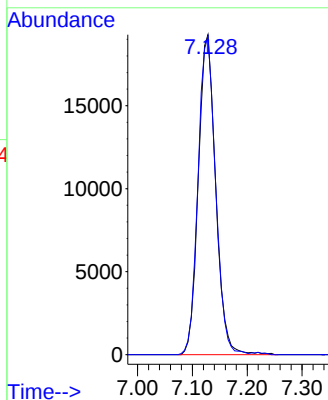
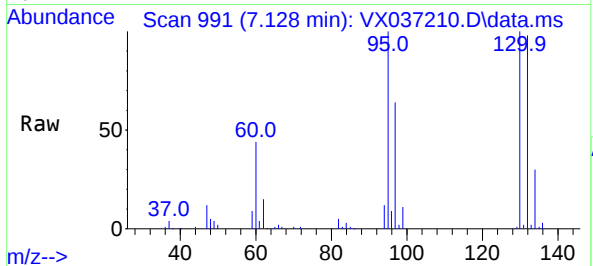




#44
Trichloroethene
Concen: 22.944 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

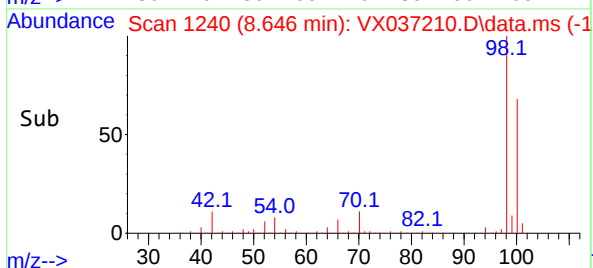
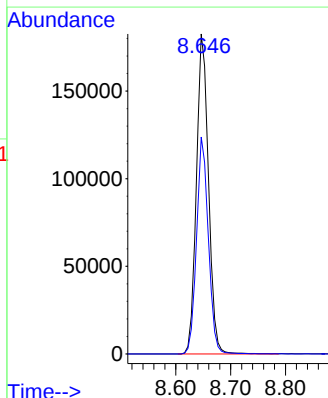
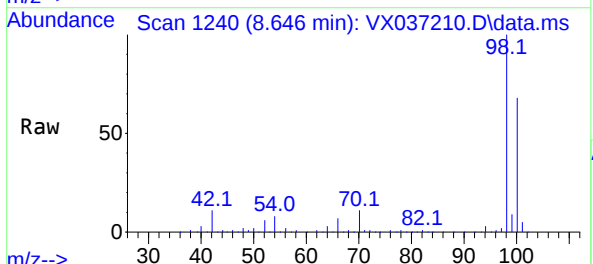
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

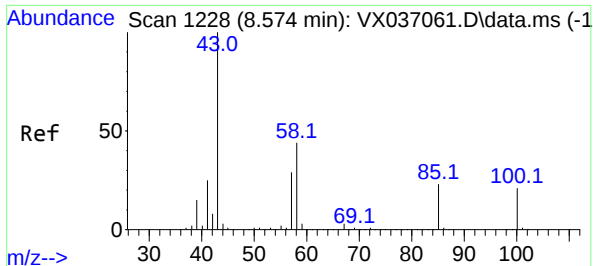
Tgt Ion:130 Resp: 42351
Ion Ratio Lower Upper
130 100
95 99.5 0.0 204.4



#50
Toluene-d8
Concen: 48.404 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Tgt Ion: 98 Resp: 280510
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

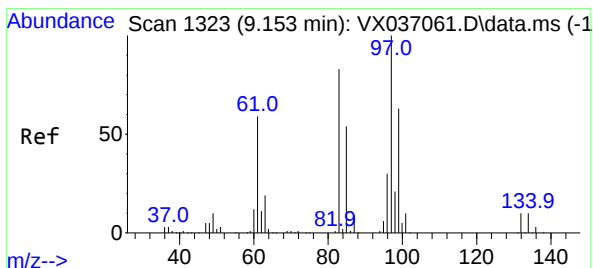
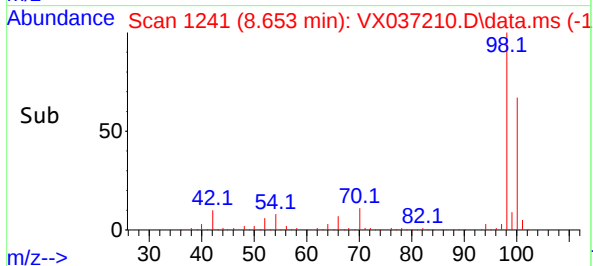
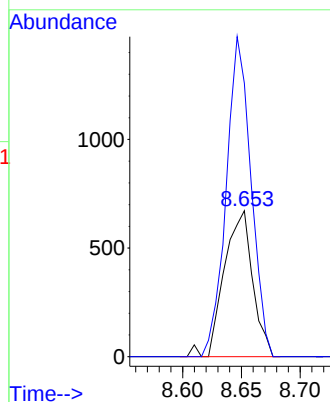
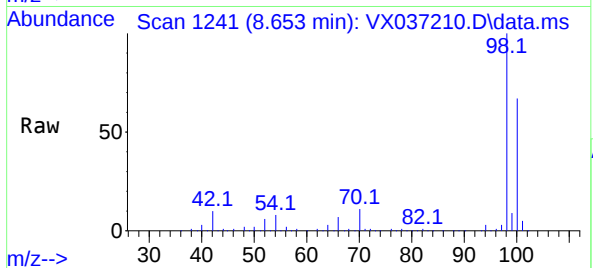




#51
4-Methyl-2-Pentanone
Concen: 0.504 ug/l
RT: 8.653 min Scan# 1127
Delta R.T. 0.079 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

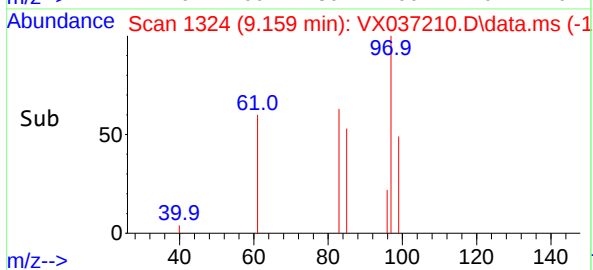
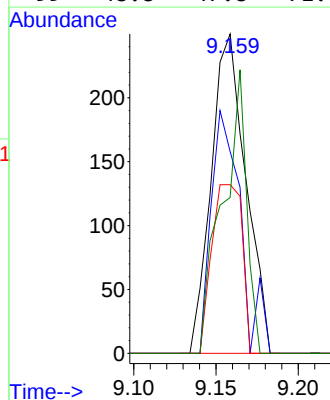
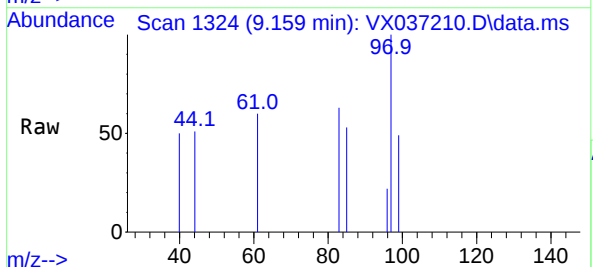
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

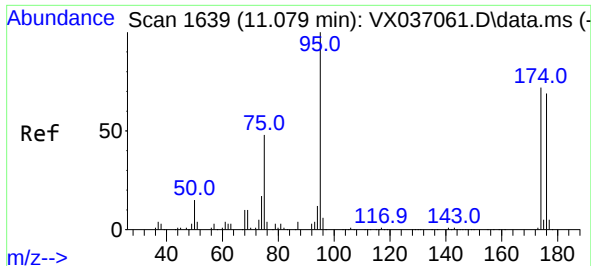
Tgt Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
58 192.4 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.209 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Tgt Ion: 97 Resp: 366
Ion Ratio Lower Upper
97 100
83 63.2 65.8 98.8#
85 52.8 41.6 62.4
99 48.8 47.8 71.8

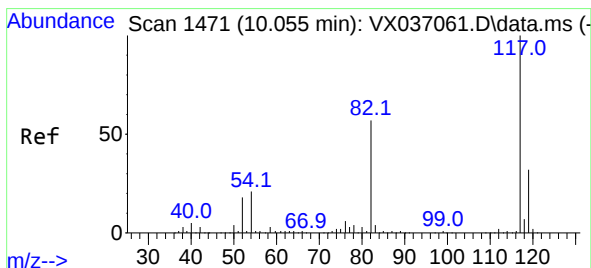
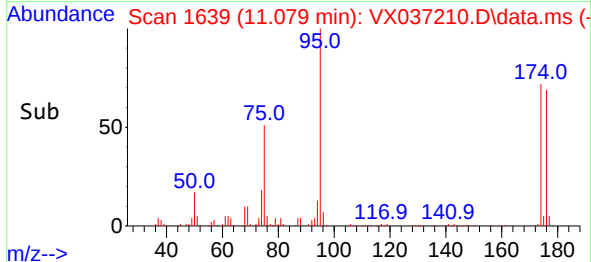
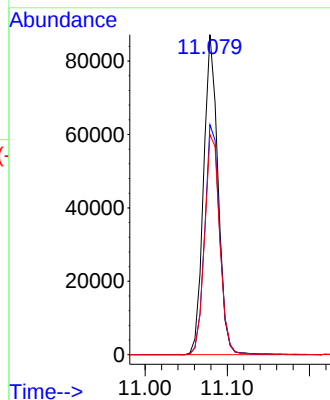
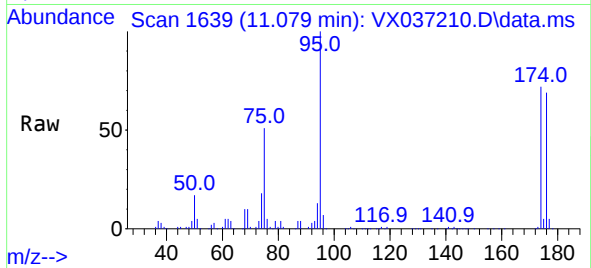




#62
4-Bromofluorobenzene
Concen: 46.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

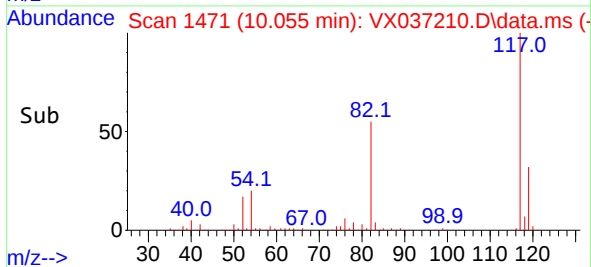
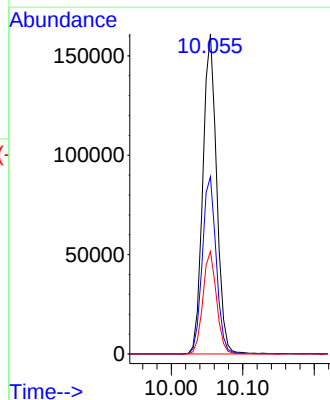
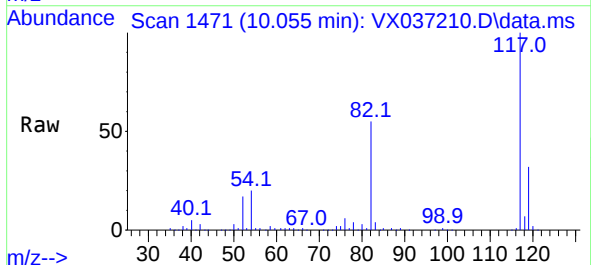
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

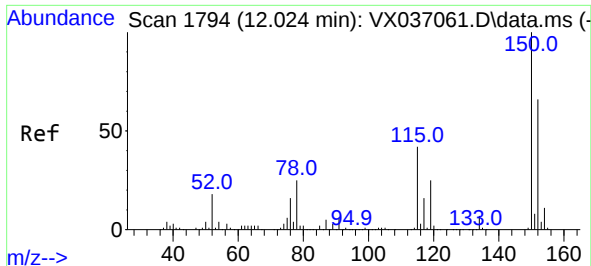
Tgt Ion: 95 Resp: 106339
Ion Ratio Lower Upper
95 100
174 74.3 0.0 135.6
176 72.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Tgt Ion: 117 Resp: 216074
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.0 25.5 38.3

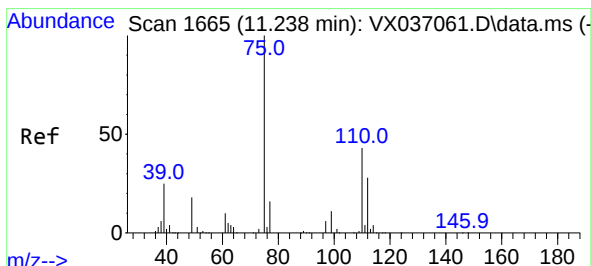
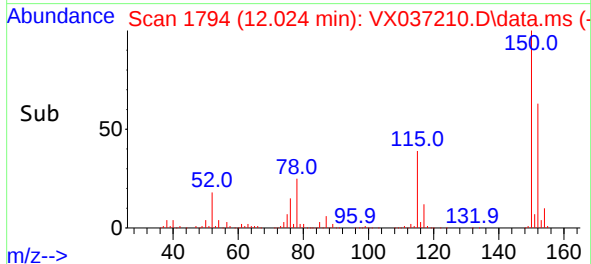
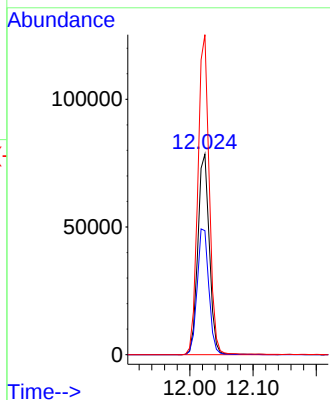
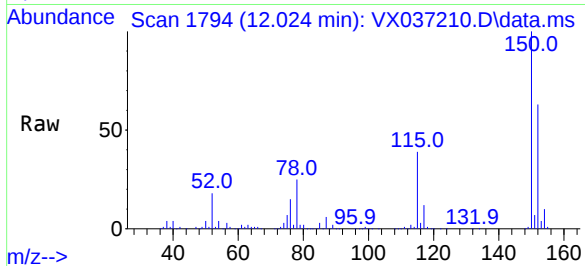




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

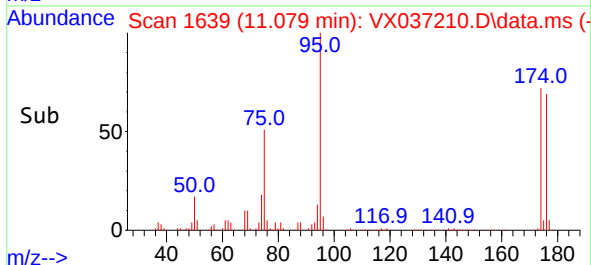
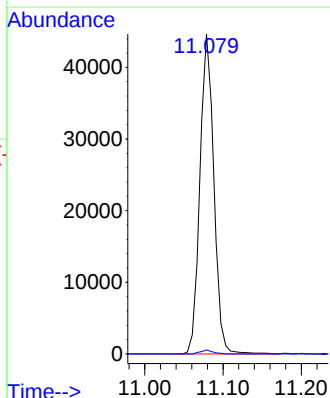
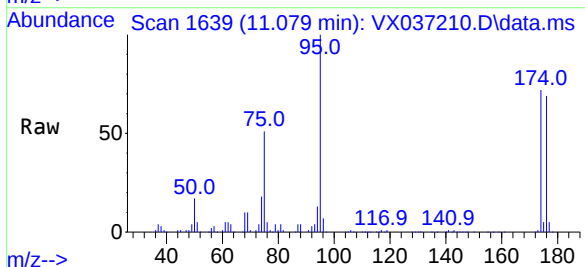
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

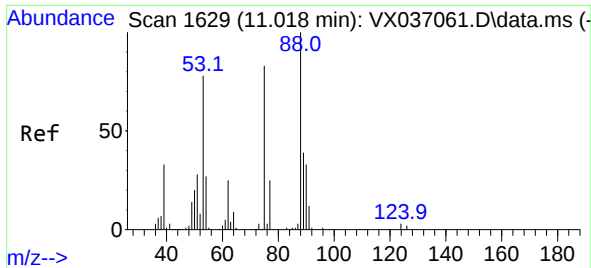
Tgt Ion:152 Resp: 99726
Ion Ratio Lower Upper
152 100
115 63.4 43.3 129.9
150 157.2 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Tgt Ion: 75 Resp: 55104
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.467 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037210.D
Acq: 24 Aug 2023 12:41

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20230816DL

Tgt Ion: 75 Resp: 55104
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

