

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082523\
 Data File : VX037282.D
 Acq On : 25 Aug 2023 19:35
 Operator : JC/MD
 Sample : 04095-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20230818

Quant Time: Aug 26 02:26:07 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

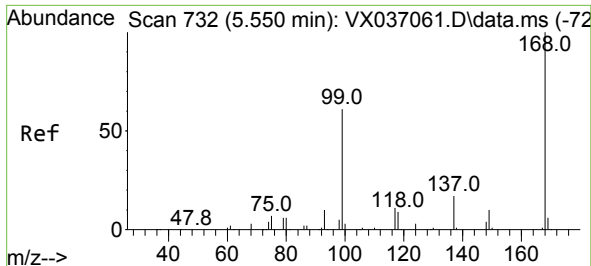
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	137411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226580	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84754	42.783	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.560%		
35) Dibromofluoromethane	5.385	113	69449	46.281	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.560%		
50) Toluene-d8	8.647	98	263772	48.459	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.920%		
62) 4-Bromofluorobenzene	11.079	95	95411	44.603	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.200%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	321	0.230	ug/l #	43
8) Diethyl Ether	2.325	74	570	0.592	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.325	101	690907	475.649	ug/l	97
12) 1,1-Dichloroethene	2.319	96	6398	4.523	ug/l #	68
16) Acetone	2.380	43	549	0.708	ug/l	98
20) Methylene Chloride	2.788	84	451	0.260	ug/l #	81
22) Diisopropyl ether	3.776	45	899	0.200	ug/l #	72
24) 1,1-Dichloroethane	3.617	63	905	0.321	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	6779	3.576	ug/l	79
30) Chloroform	5.099	83	1082	0.342	ug/l	88
31) Cyclohexane	5.556	56	2825	1.268	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11128	5.220	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14742	6.366	ug/l #	15
39) Methylcyclohexane	7.129	83	3224	1.439	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	994	0.415	ug/l #	77
44) Trichloroethene	7.123	130	271489	156.590	ug/l	98
45) 1,2-Dichloropropane	7.440	63	1249	0.828	ug/l	96
48) Methyl methacrylate	7.434	41	701	0.416	ug/l #	40
49) 1,4-Dioxane	7.677	88	1291	28.429	ug/l #	83
51) 4-Methyl-2-Pentanone	8.653	43	988	0.471	ug/l #	1
60) Dibromochloromethane	9.275	129	215861	123.247	ug/l #	11
64) Tetrachloroethene	9.275	164	214958	148.904	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	47821	25.921	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47821	72.400	ug/l #	5

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

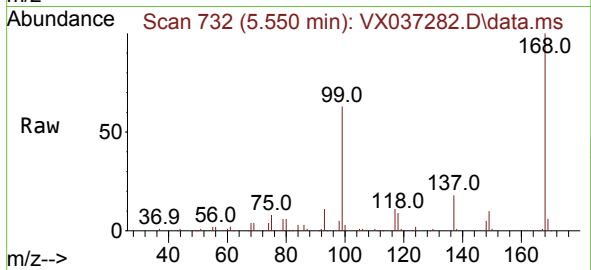
Quant Time: Aug 26 02:26:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
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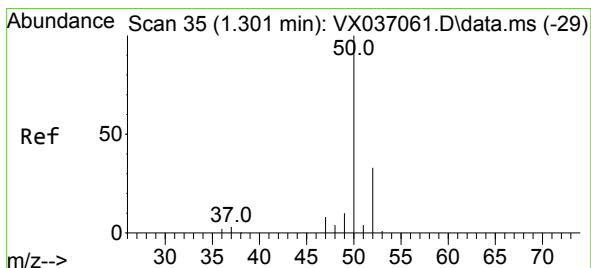
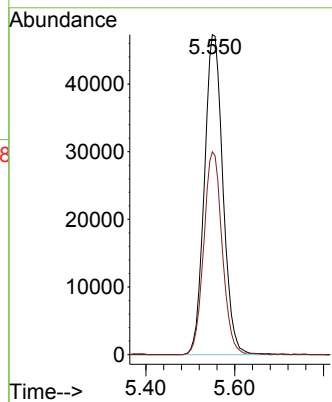
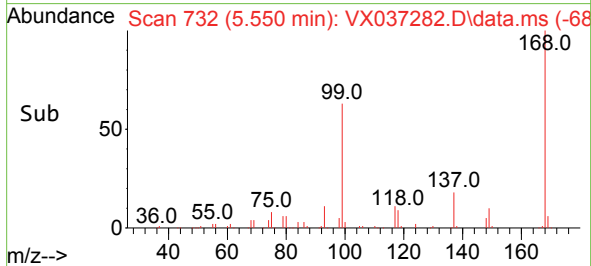


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Instrument :
MSVOA_X
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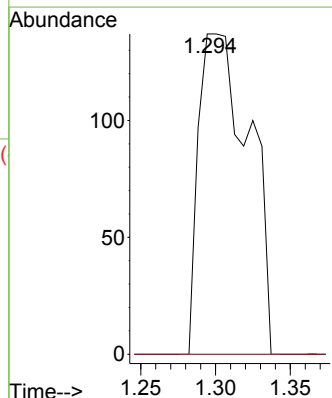
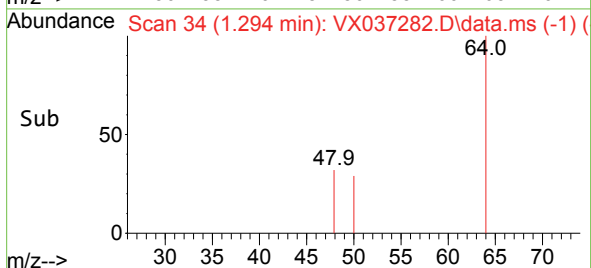
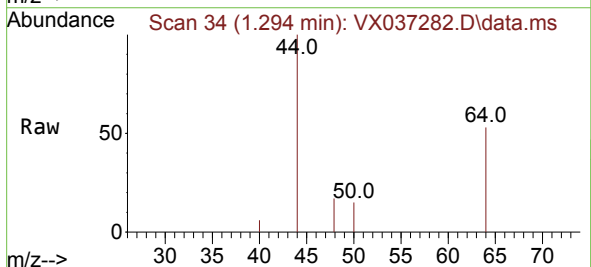


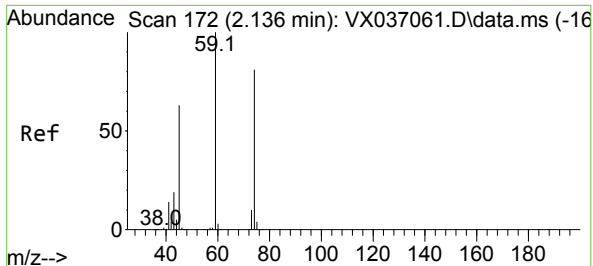
Tgt Ion:168 Resp: 137411
Ion Ratio Lower Upper
168 100
99 63.4 56.6 85.0



#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion: 50 Resp: 321
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

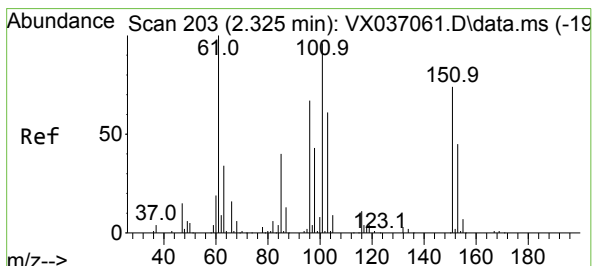
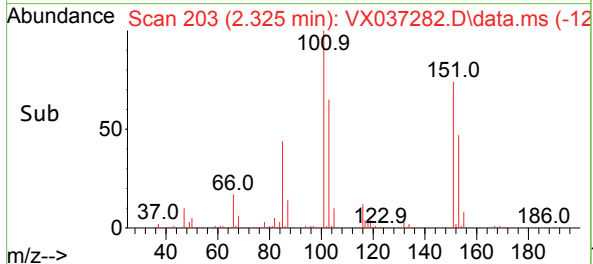
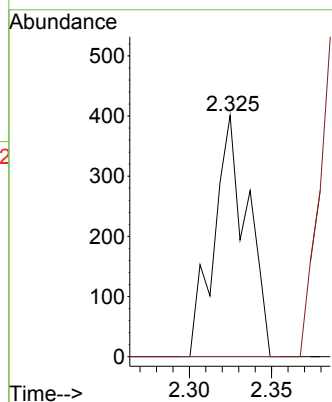
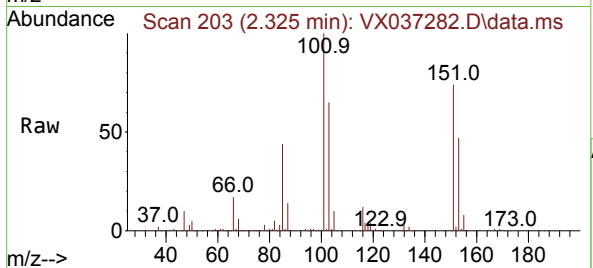




#8
Diethyl Ether
Concen: 0.592 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.189 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

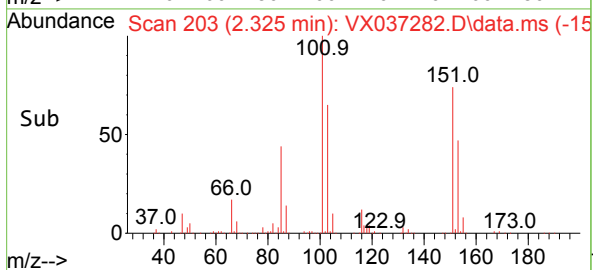
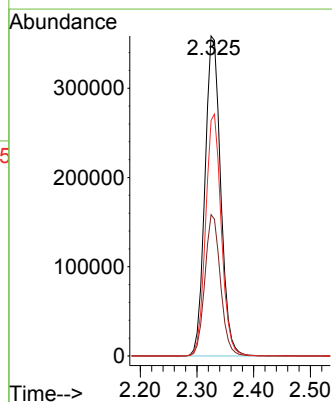
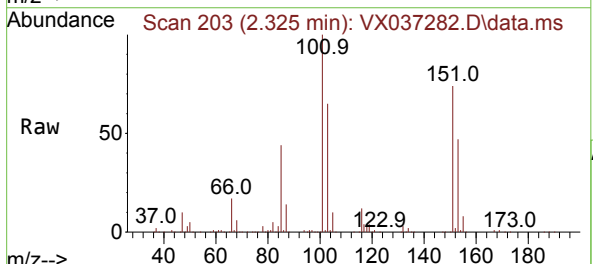
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

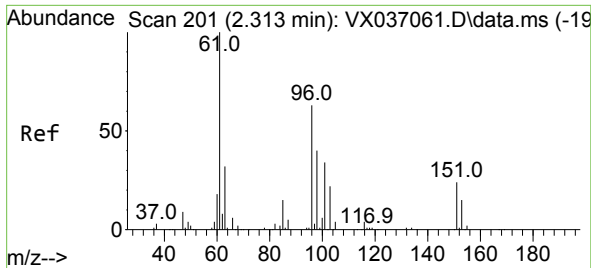
Tgt Ion: 74 Resp: 570
Ion Ratio Lower Upper
74 100
45 0.0 53.3 159.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 475.649 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion:101 Resp: 690907
Ion Ratio Lower Upper
101 100
85 43.7 37.0 55.6
151 75.2 58.6 87.8

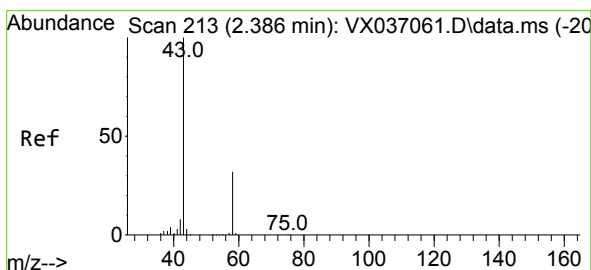
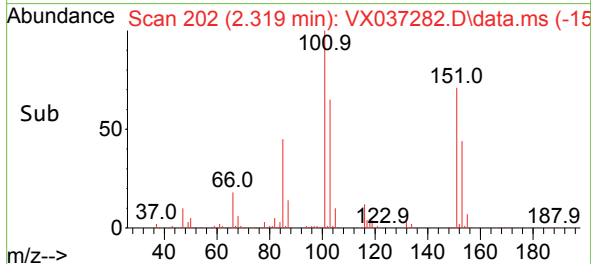
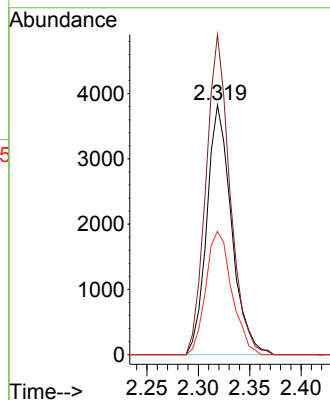
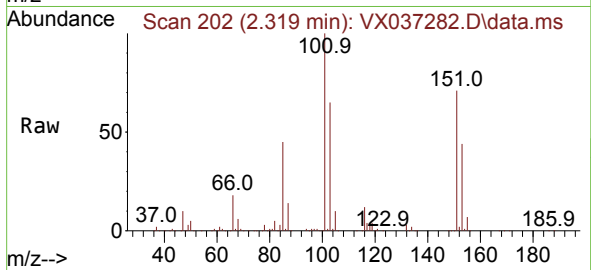




#12
1,1-Dichloroethene
Concen: 4.523 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

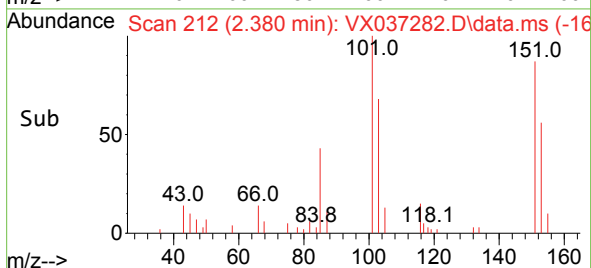
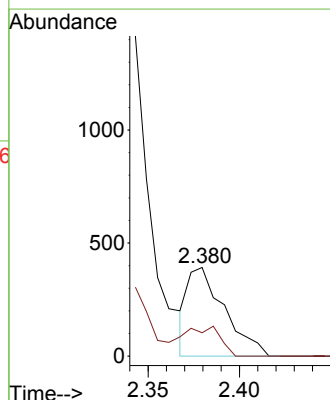
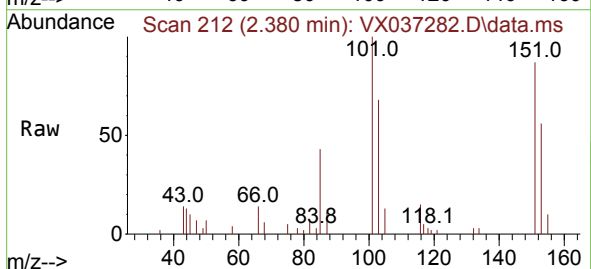
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

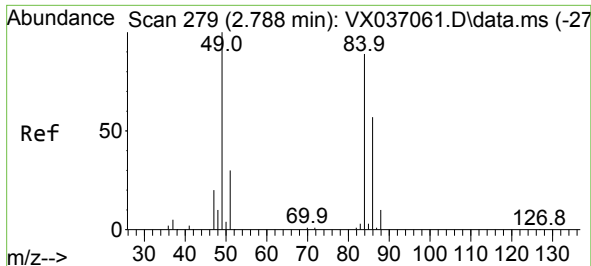
Tgt Ion: 96 Resp: 6398
Ion Ratio Lower Upper
96 100
61 128.1 144.6 216.8#
98 49.4 50.4 75.6#



#16
Acetone
Concen: 0.708 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
58 26.3 21.9 32.9





#20

Methylene Chloride

Concen: 0.260 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX037282.D

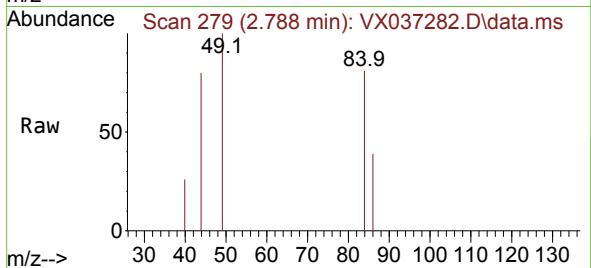
Acq: 25 Aug 2023 19:35

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20230818



Tgt Ion: 84 Resp: 451

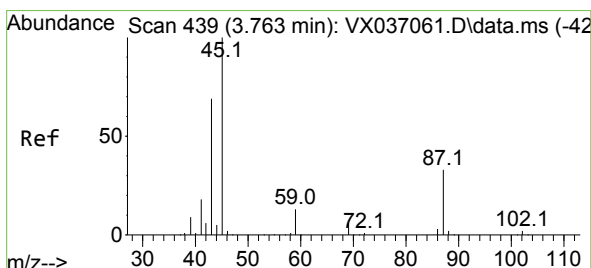
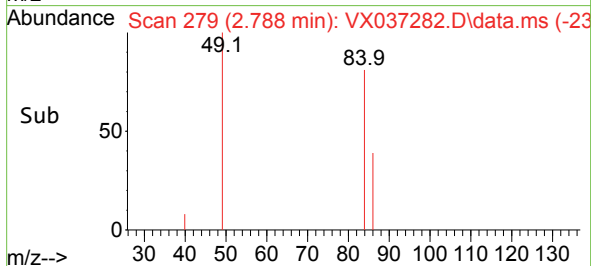
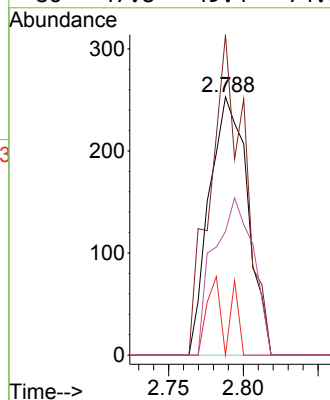
Ion Ratio Lower Upper

84 100

49 124.1 103.6 155.4

51 0.0 33.8 50.6#

86 47.8 49.4 74.0#



#22

Diisopropyl ether

Concen: 0.200 ug/l

RT: 3.776 min Scan# 441

Delta R.T. 0.012 min

Lab File: VX037282.D

Acq: 25 Aug 2023 19:35

Tgt Ion: 45 Resp: 899

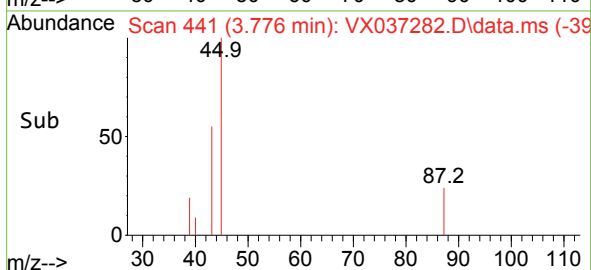
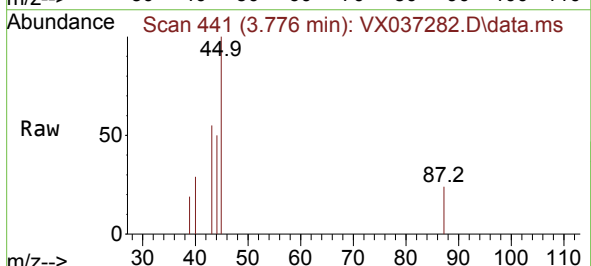
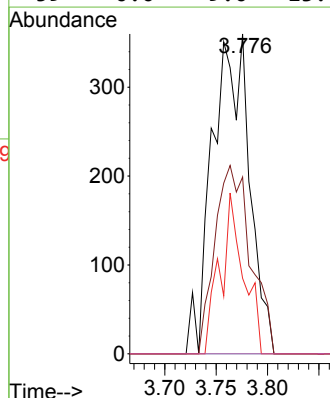
Ion Ratio Lower Upper

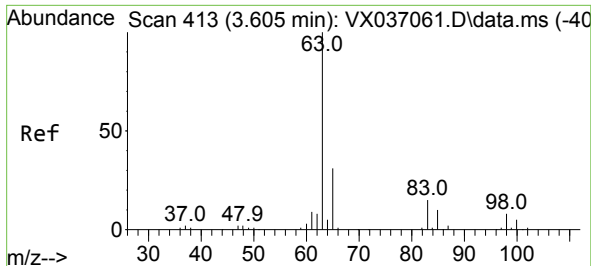
45 100

43 55.3 69.7 104.5#

87 23.6 20.8 31.2

59 0.0 9.0 13.4#





#24

1,1-Dichloroethane

Concen: 0.321 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX037282.D

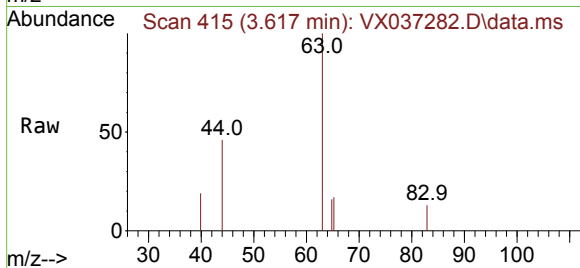
Acq: 25 Aug 2023 19:35

Instrument :

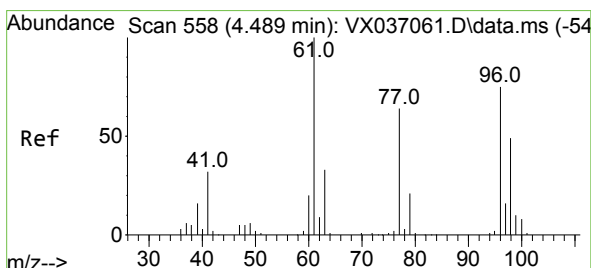
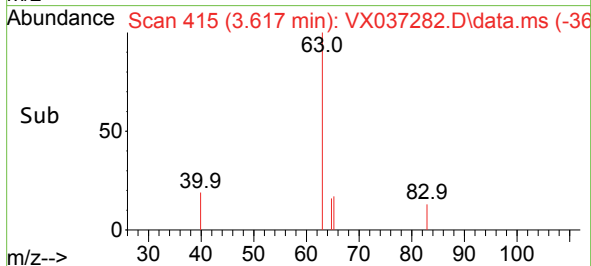
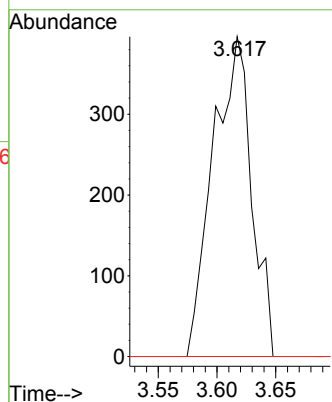
MSVOA_X

ClientSampleId :

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Tgt Ion:	63	Resp:	905
Ion Ratio	Lower	Upper	
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#



#27

cis-1,2-Dichloroethene

Concen: 3.576 ug/l

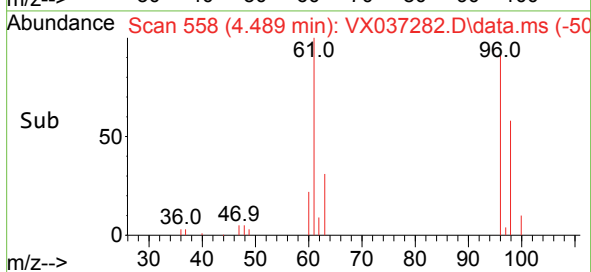
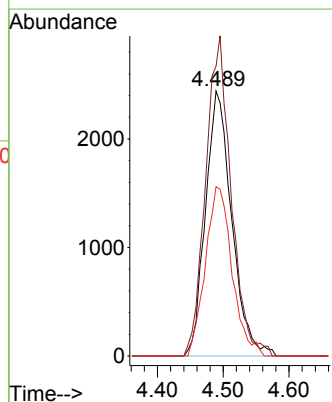
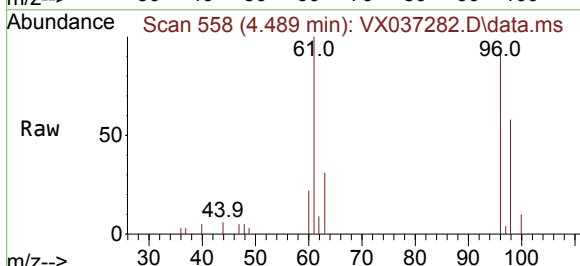
RT: 4.489 min Scan# 558

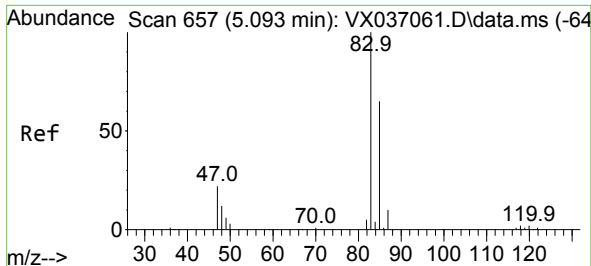
Delta R.T. 0.000 min

Lab File: VX037282.D

Acq: 25 Aug 2023 19:35

Tgt Ion:	96	Resp:	6779
Ion Ratio	Lower	Upper	
96	100		
61	117.5	0.0	312.2
98	64.8	0.0	129.0





#30

Chloroform

Concen: 0.342 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX037282.D

Acq: 25 Aug 2023 19:35

Instrument :

MSVOA_X

ClientSampleId :

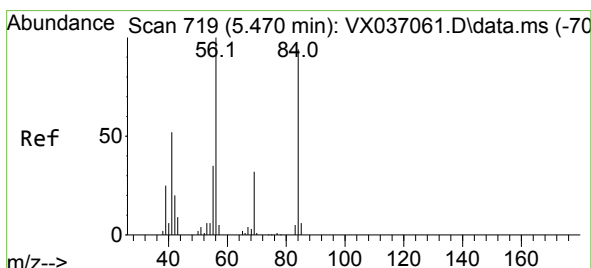
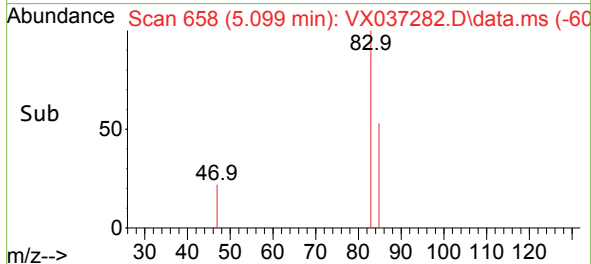
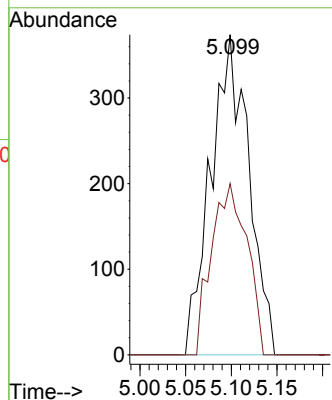
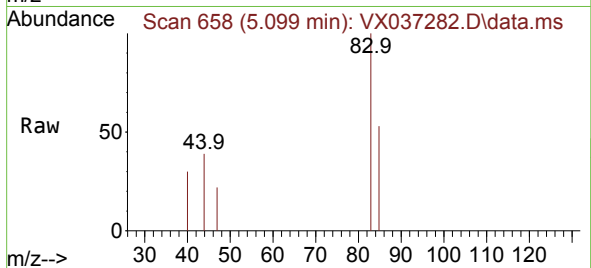
RE134D3-20230818

Tgt Ion: 83 Resp: 1082

Ion Ratio Lower Upper

83 100

85 53.5 50.3 75.5



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037282.D

Acq: 25 Aug 2023 19:35

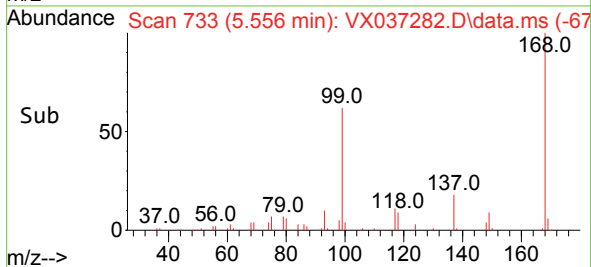
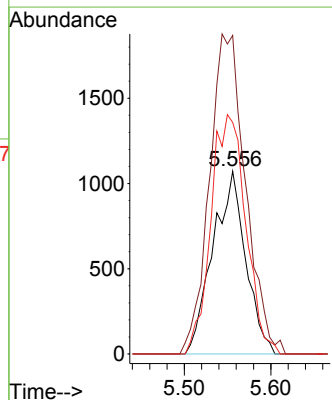
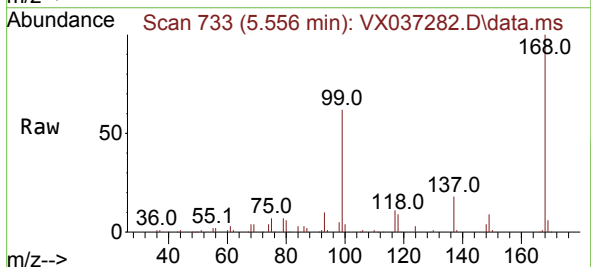
Tgt Ion: 56 Resp: 2825

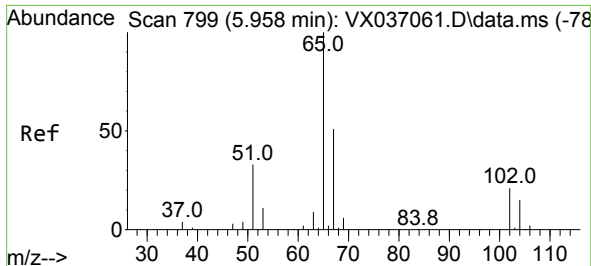
Ion Ratio Lower Upper

56 100

69 174.3 23.4 35.2#

84 126.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.783 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037282.D

Acq: 25 Aug 2023 19:35

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ClientSampleId :

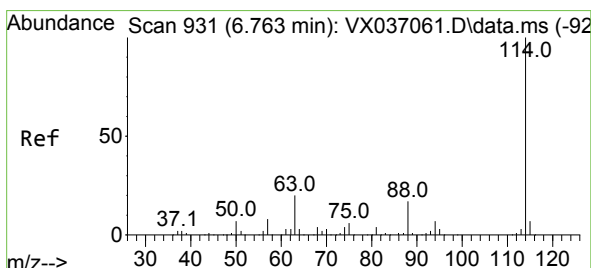
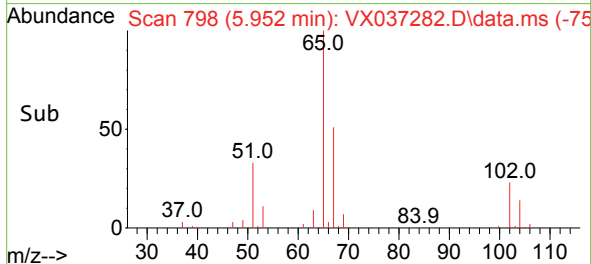
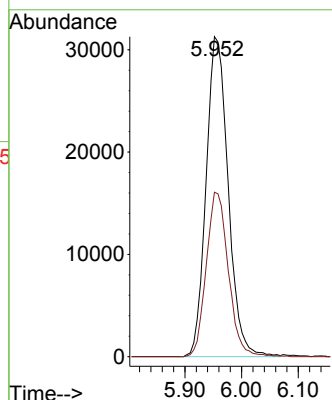
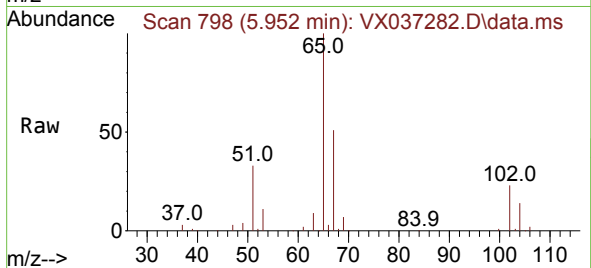
RE134D3-20230818

Tgt Ion: 65 Resp: 84754

Ion Ratio Lower Upper

65 100

67 51.4 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: VX037282.D

Acq: 25 Aug 2023 19:35

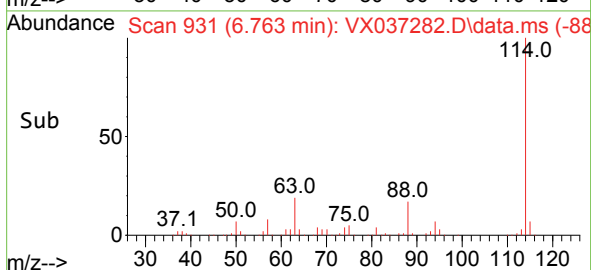
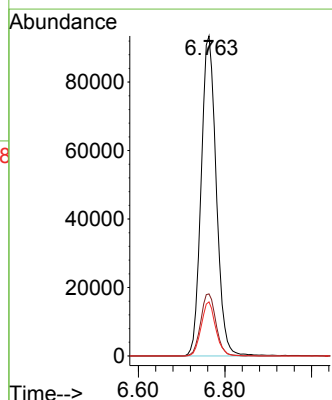
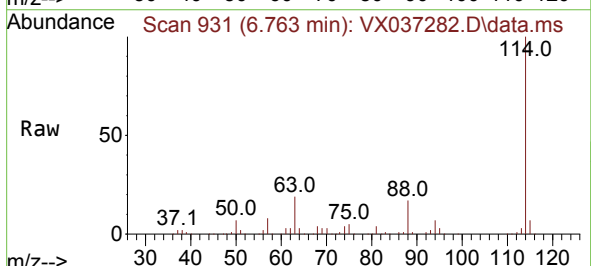
Tgt Ion: 114 Resp: 226580

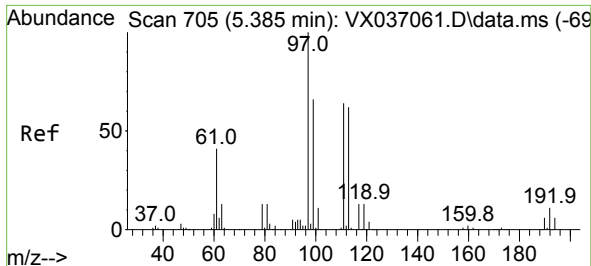
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

88 16.9 0.0 36.6

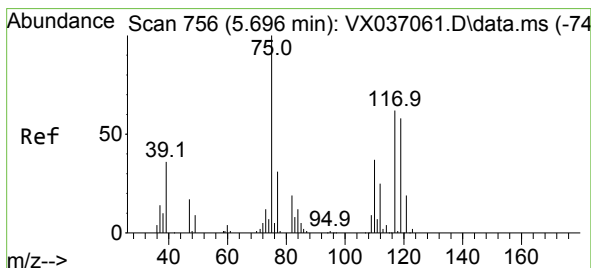
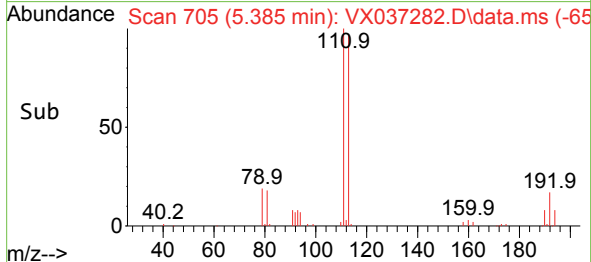
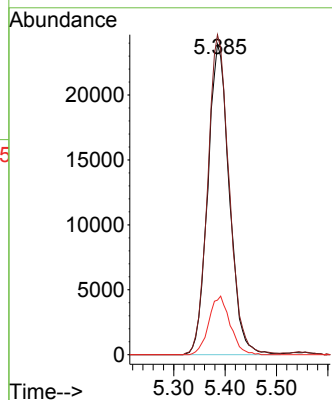
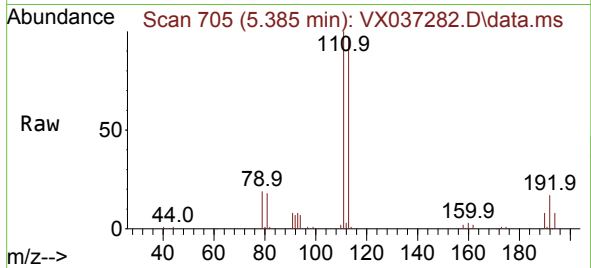




#35
Dibromofluoromethane
Concen: 46.281 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

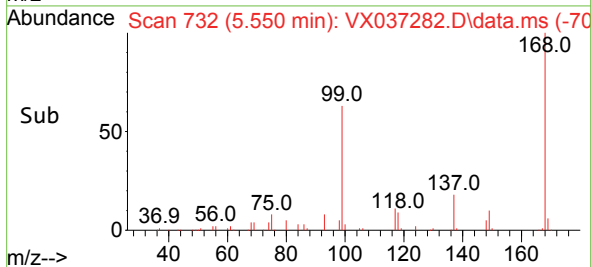
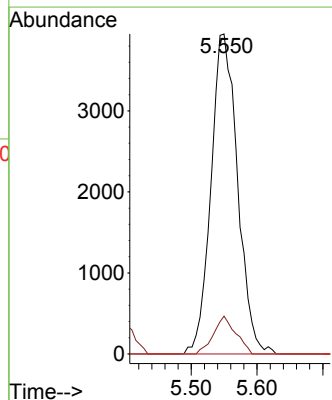
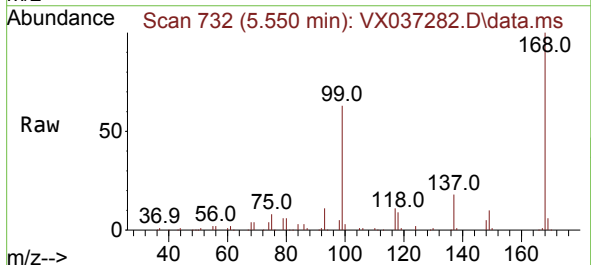
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

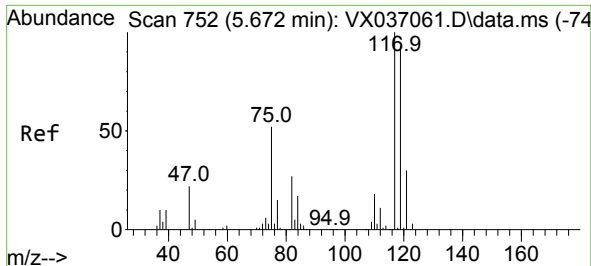
Tgt Ion:113 Resp: 69449
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

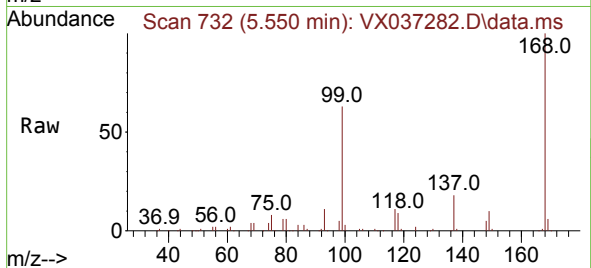
Tgt Ion: 75 Resp: 11128
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



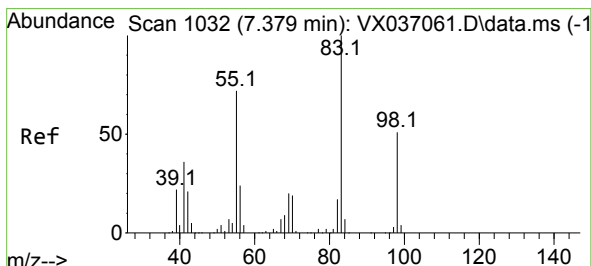
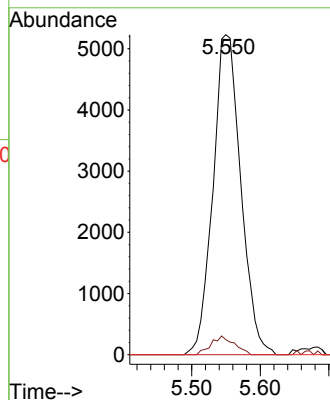
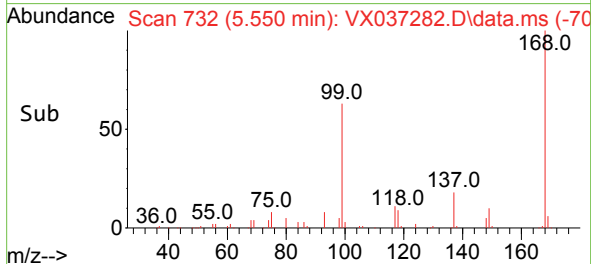


#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

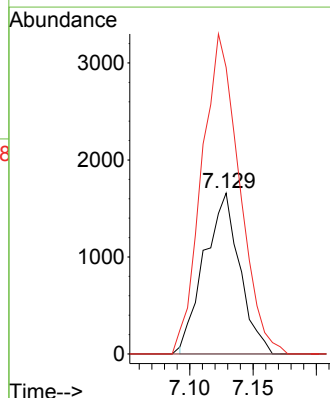
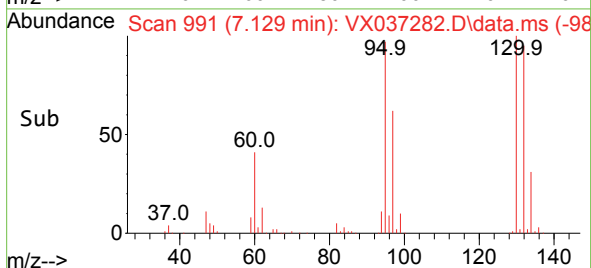
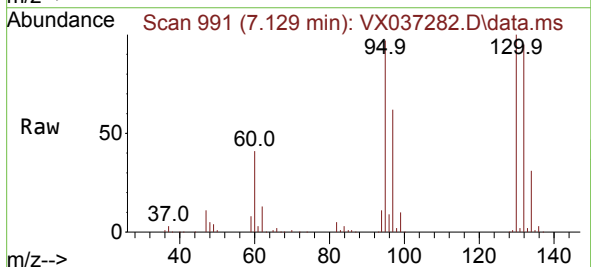


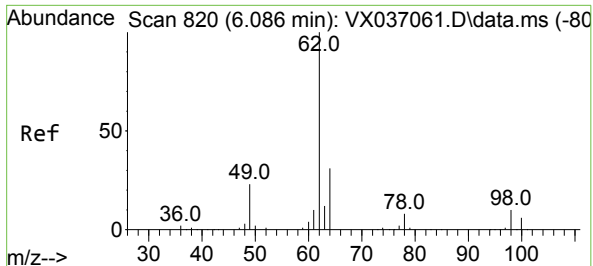
Tgt Ion:117 Resp: 14742
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.439 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion: 83 Resp: 3224
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 173.7 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.415 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX037282.D

Acq: 25 Aug 2023 19:35

Instrument :

MSVOA_X

ClientSampleId :

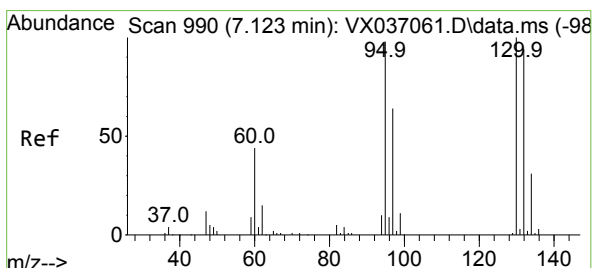
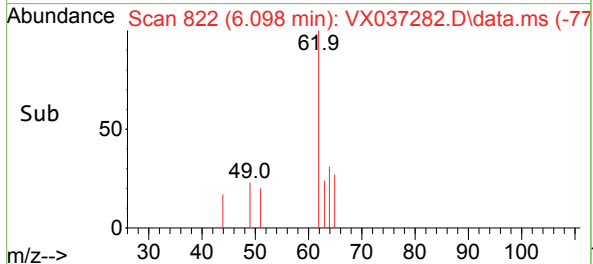
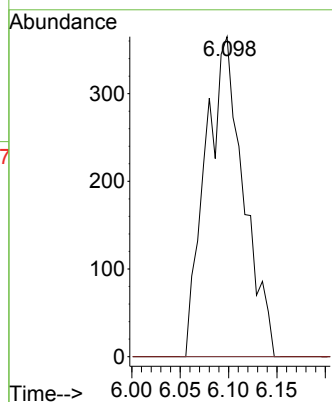
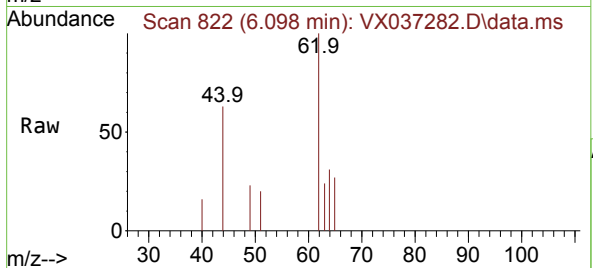
RE134D3-20230818

Tgt Ion: 62 Resp: 994

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 156.590 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX037282.D

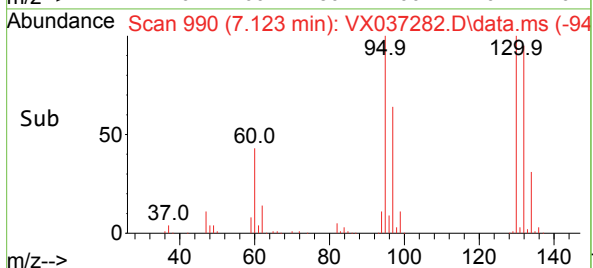
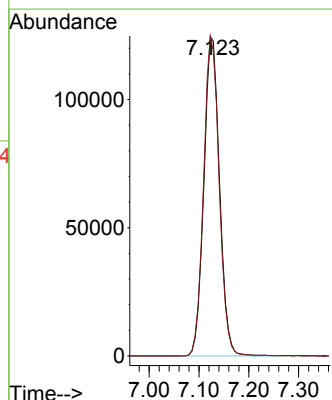
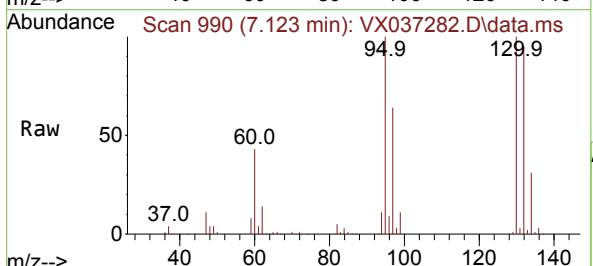
Acq: 25 Aug 2023 19:35

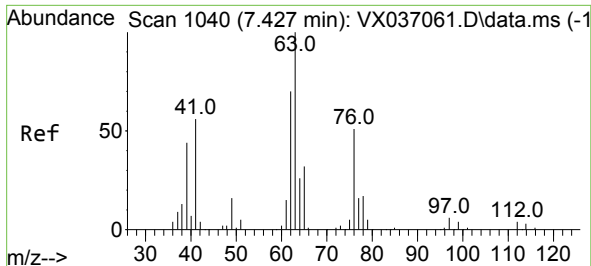
Tgt Ion:130 Resp: 271489

Ion Ratio Lower Upper

130 100

95 100.2 0.0 204.4

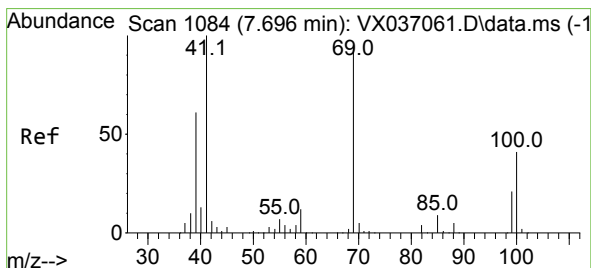
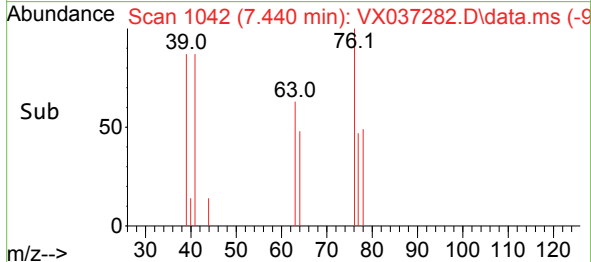
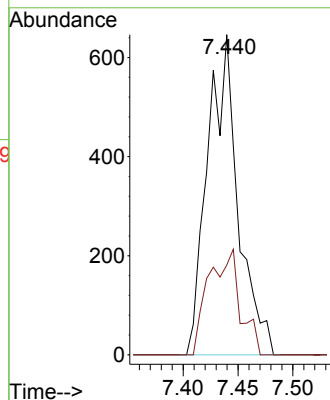
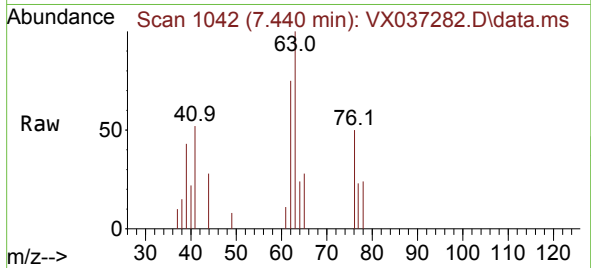




#45
1,2-Dichloropropane
Concen: 0.828 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

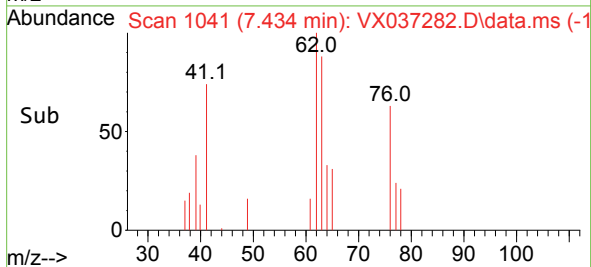
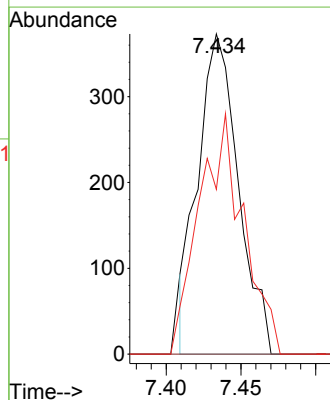
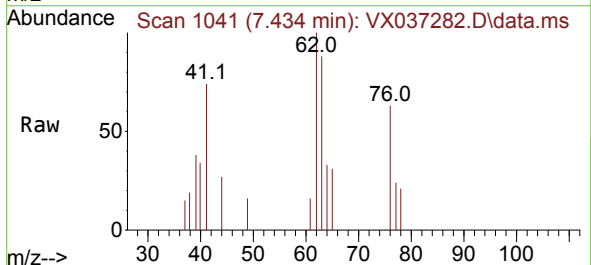
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

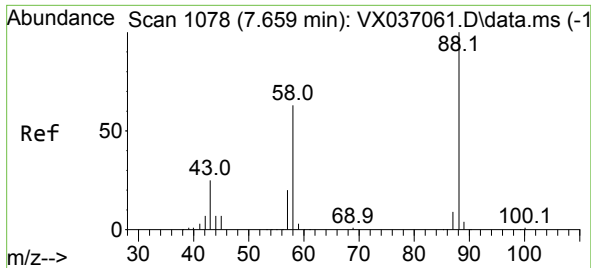
Tgt Ion: 63 Resp: 1249
Ion Ratio Lower Upper
63 100
65 28.0 24.3 36.5



#48
Methyl methacrylate
Concen: 0.416 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. -0.262 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion: 41 Resp: 701
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 79.3 47.7 71.5#

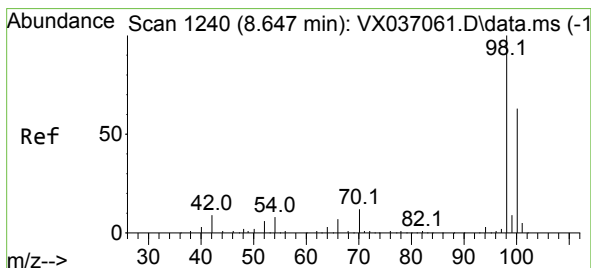
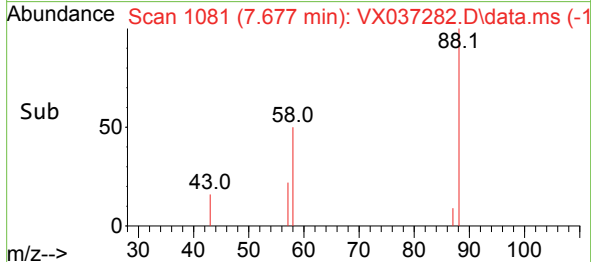
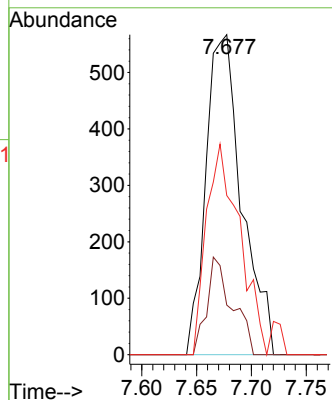
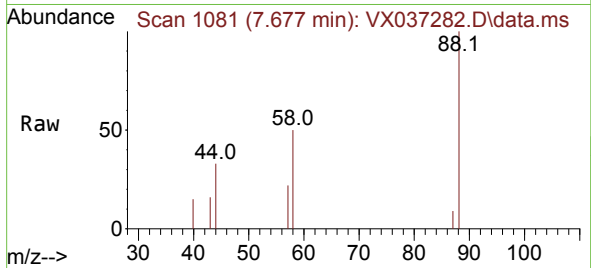




#49
1,4-Dioxane
Concen: 28.429 ug/l
RT: 7.677 min Scan# 1078
Delta R.T. 0.018 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

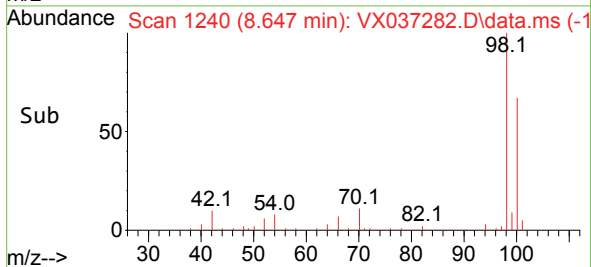
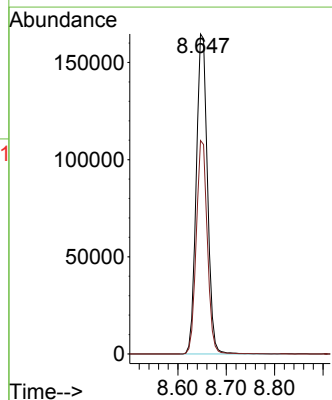
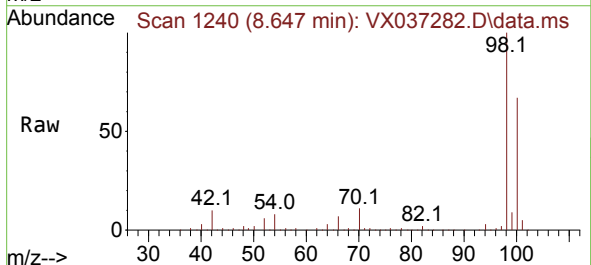
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

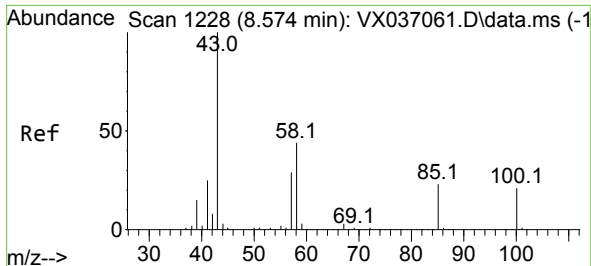
Tgt Ion: 88 Resp: 1291
Ion Ratio Lower Upper
88 100
43 21.5 0.0 0.0#
58 61.0 60.1 90.1



#50
Toluene-d8
Concen: 48.459 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion: 98 Resp: 263772
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

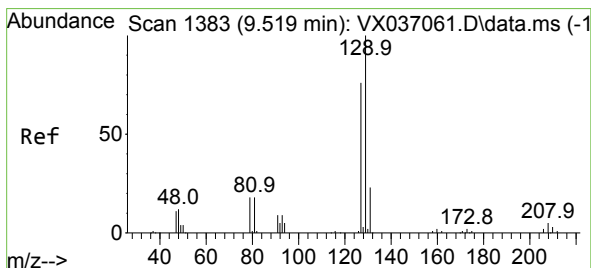
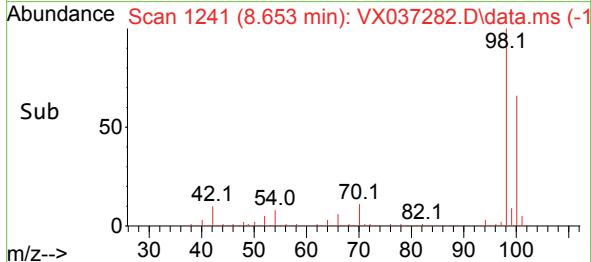
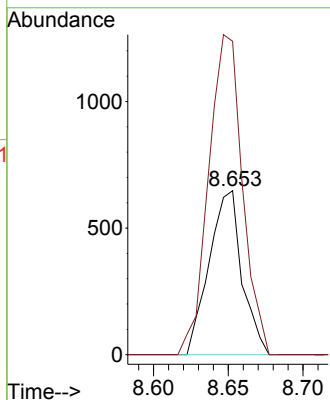
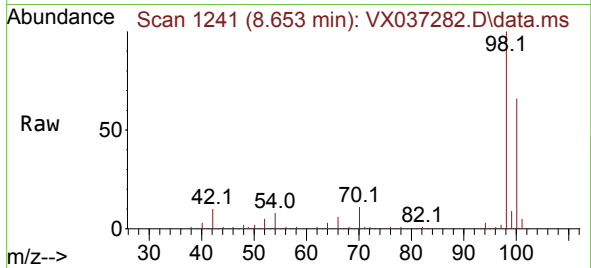




#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

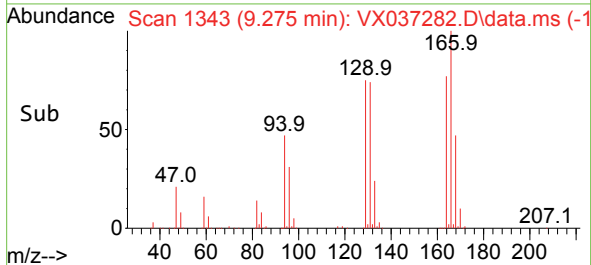
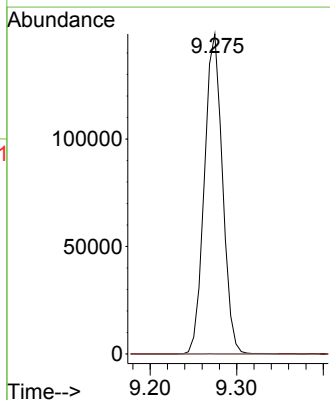
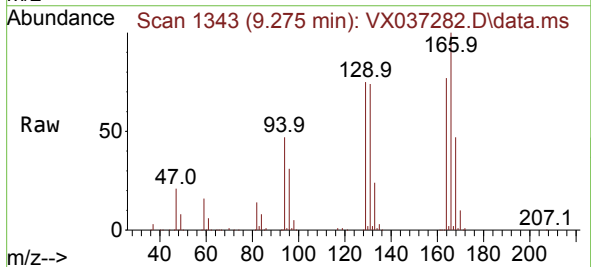
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

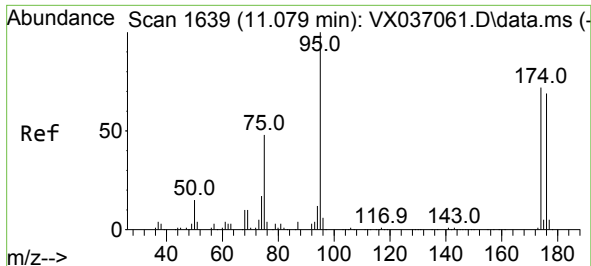
Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 201.7 30.4 45.6#



#60
Dibromochloromethane
Concen: 123.247 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion: 129 Resp: 215861
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

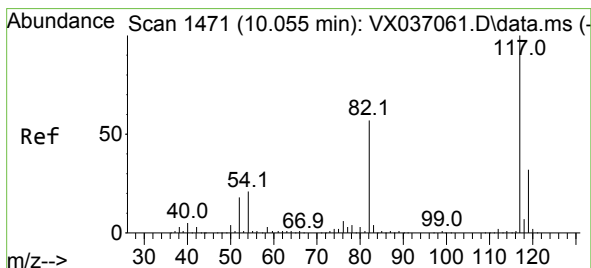
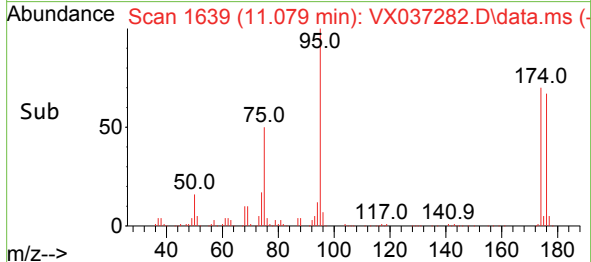
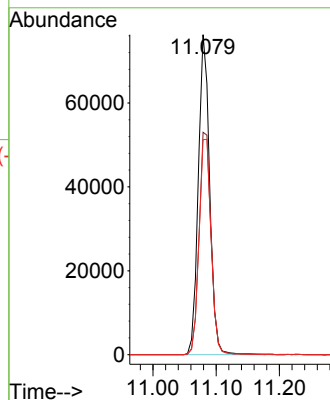
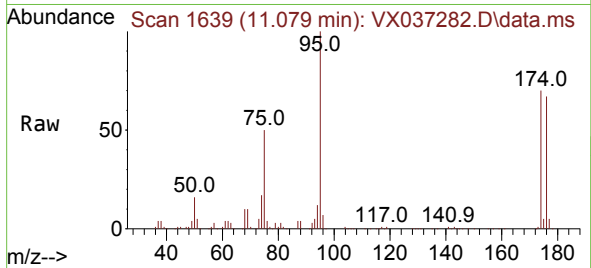




#62
4-Bromofluorobenzene
Concen: 44.603 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

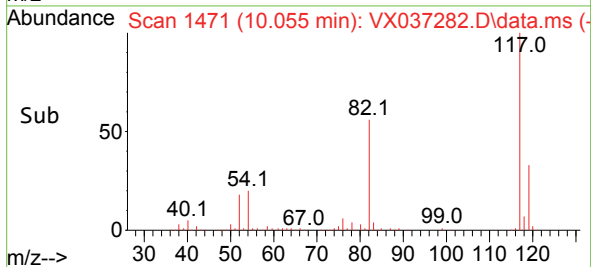
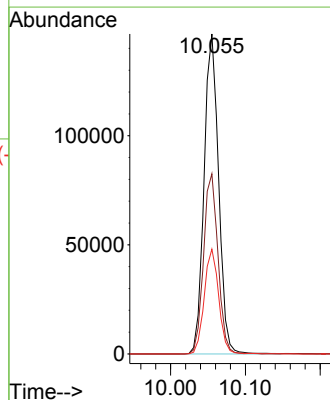
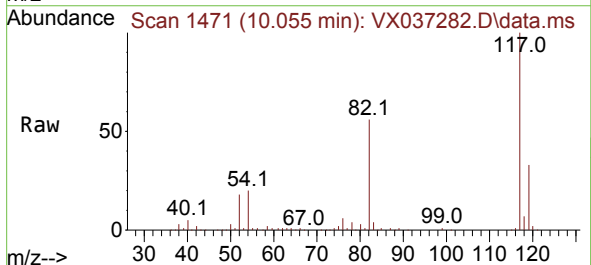
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

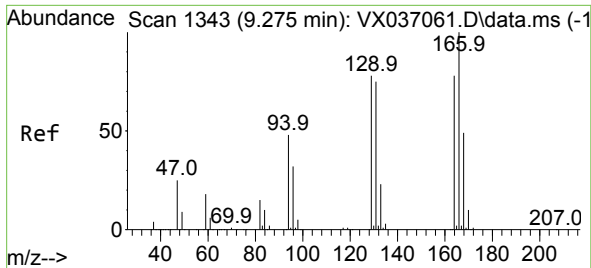
Tgt Ion: 95 Resp: 95411
Ion Ratio Lower Upper
95 100
174 73.0 0.0 135.6
176 71.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion: 117 Resp: 197886
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.7 25.5 38.3

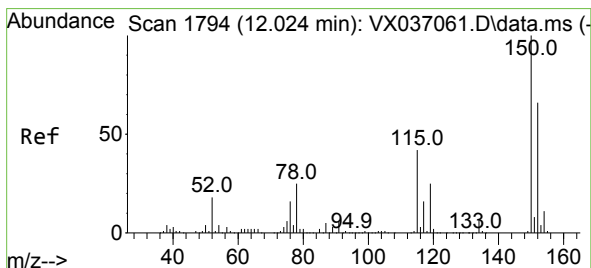
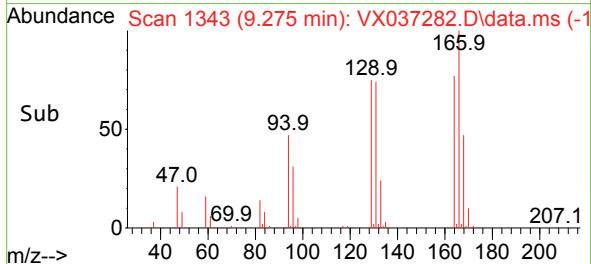
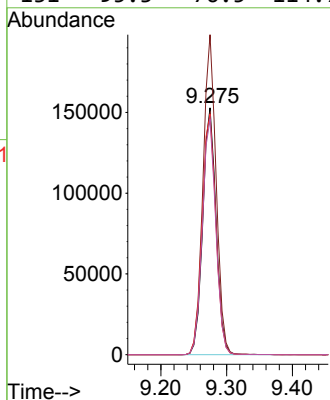
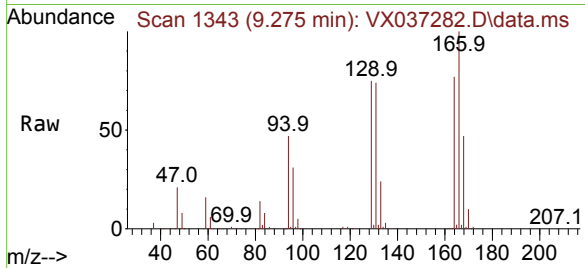




#64
Tetrachloroethene
Concen: 148.904 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

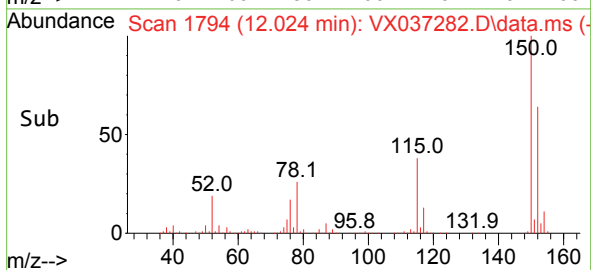
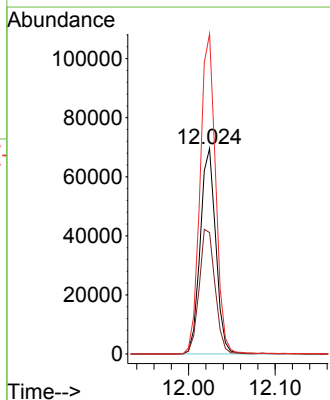
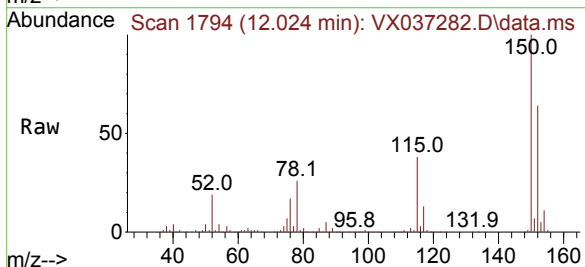
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20230818

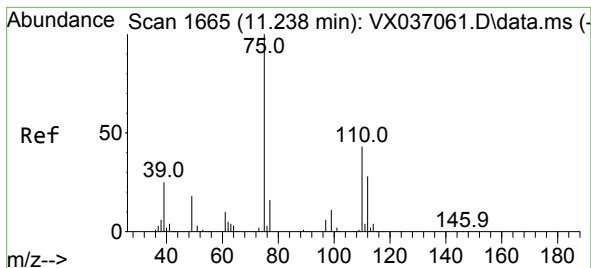
Tgt Ion:164 Resp: 214958
Ion Ratio Lower Upper
164 100
166 129.6 102.7 154.1
129 97.4 80.4 120.6
131 95.3 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037282.D
Acq: 25 Aug 2023 19:35

Tgt Ion:152 Resp: 86626
Ion Ratio Lower Upper
152 100
115 62.2 43.3 129.9
150 156.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.921 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037282.D

Acq: 25 Aug 2023 19:35

Instrument :

MSVOA_X

ClientSampleId :

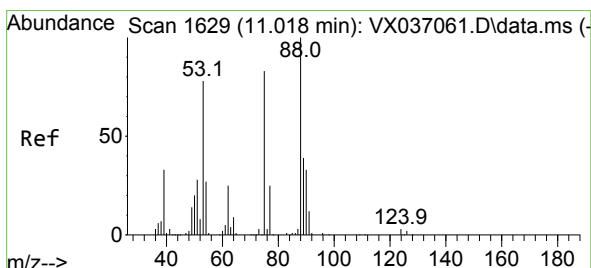
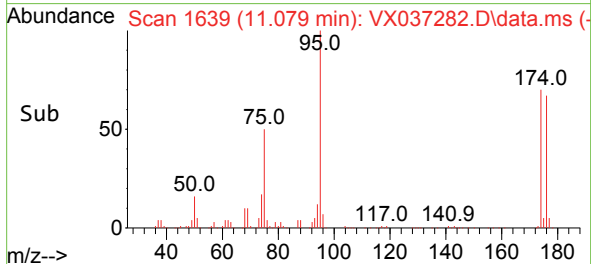
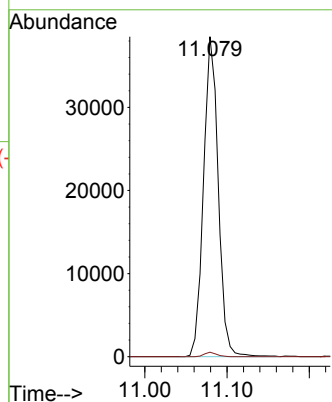
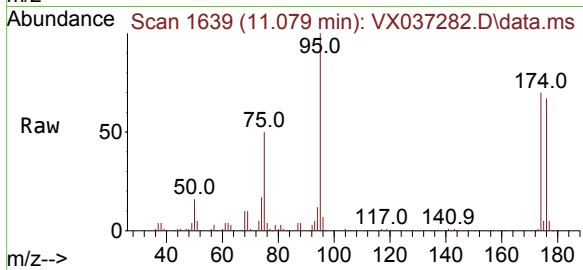
RE134D3-20230818

Tgt Ion: 75 Resp: 47821

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.400 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037282.D

Acq: 25 Aug 2023 19:35

Tgt Ion: 75 Resp: 47821

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

