

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082523\
 Data File : VX037279.D
 Acq On : 25 Aug 2023 18:22
 Operator : JC/MD
 Sample : 04095-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT17411-20230818

Quant Time: Aug 26 02:24:56 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)

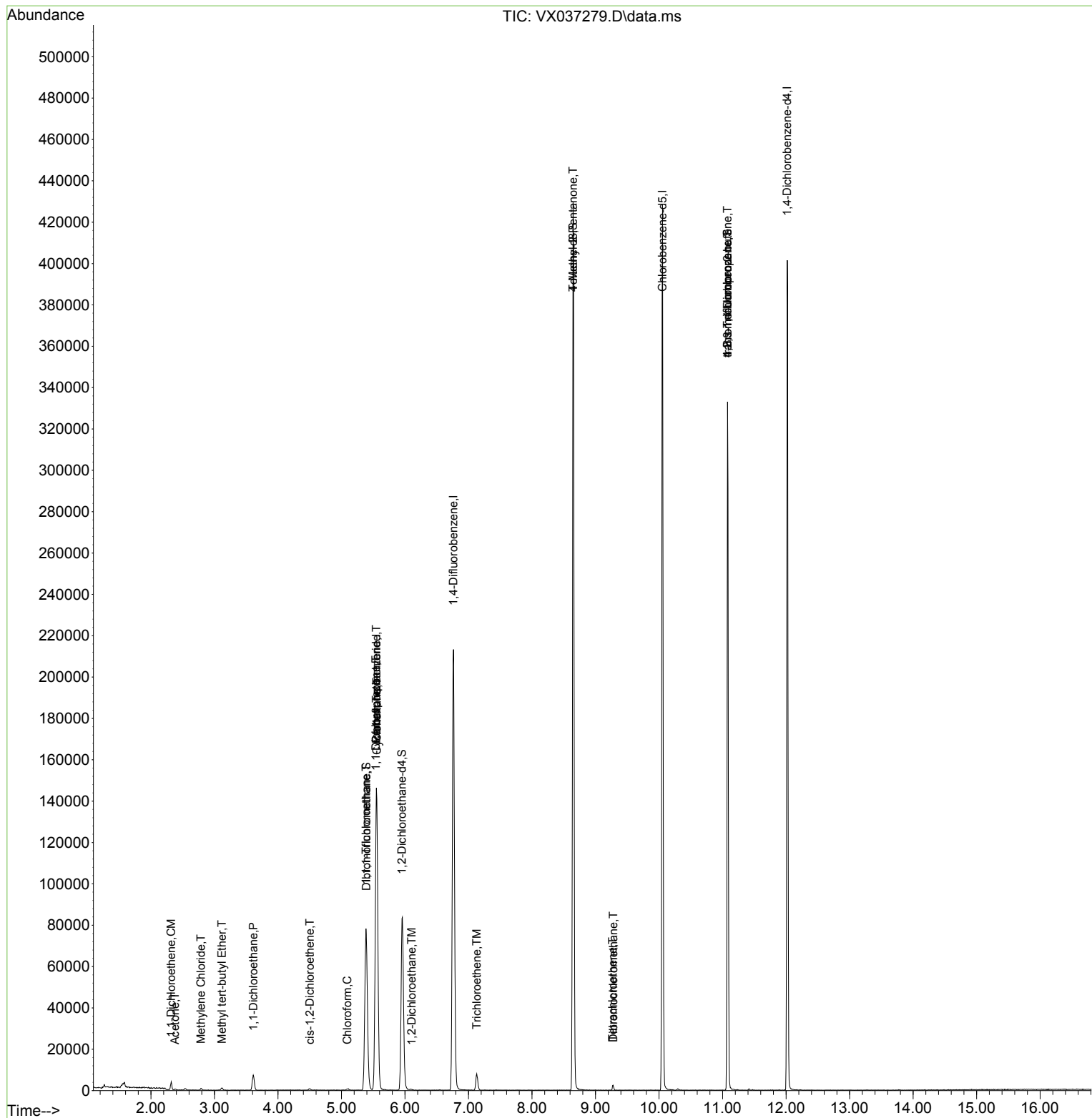
Internal Standards						
1) Pentafluorobenzene	5.550	168	135715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	85858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84556	43.216	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.440%
35) Dibromofluoromethane	5.391	113	68662	46.642	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.280%
50) Toluene-d8	8.647	98	260728	48.827	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.660%
62) 4-Bromofluorobenzene	11.079	95	92477	44.068	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.140%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	1275	0.913	ug/l	86
16) Acetone	2.380	43	601	0.785	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	1258	0.237	ug/l #	84
20) Methylene Chloride	2.788	84	386	0.226	ug/l	88
24) 1,1-Dichloroethane	3.611	63	8364	3.006	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	452	0.241	ug/l	80
30) Chloroform	5.092	83	872	0.279	ug/l	95
31) Cyclohexane	5.556	56	2770	1.259	ug/l #	17
32) 1,1,1-Trichloroethane	5.385	97	1071	0.383	ug/l #	48
36) 1,1-Dichloropropene	5.544	75	10720	5.126	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14803	6.516	ug/l #	14
42) 1,2-Dichloroethane	6.104	62	573	0.244	ug/l #	77
44) Trichloroethene	7.129	130	3465	2.037	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	1069	0.519	ug/l #	1
60) Dibromochloromethane	9.281	129	511	0.297	ug/l #	11
64) Tetrachloroethene	9.269	164	506	0.350	ug/l	82
76) 1,2,3-Trichloropropane	11.079	75	47376	25.910	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47376	72.367	ug/l #	5

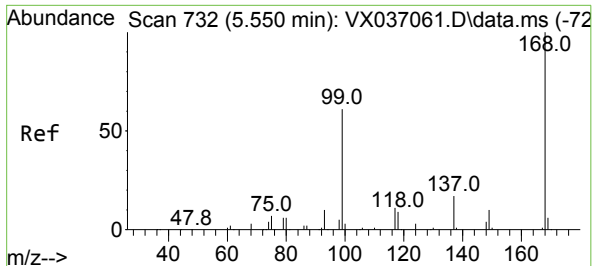
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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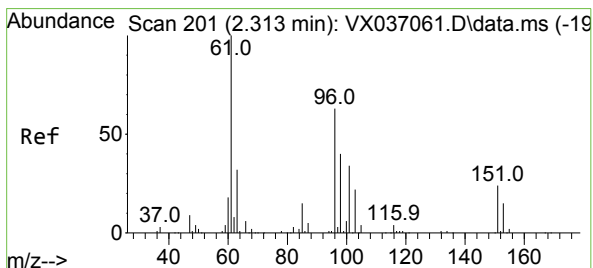
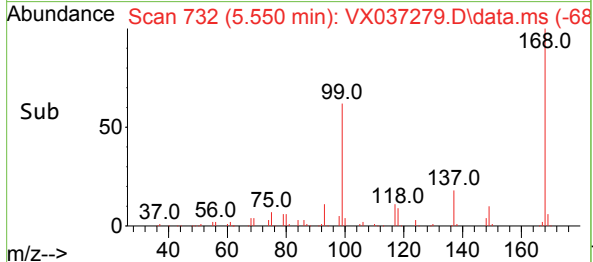
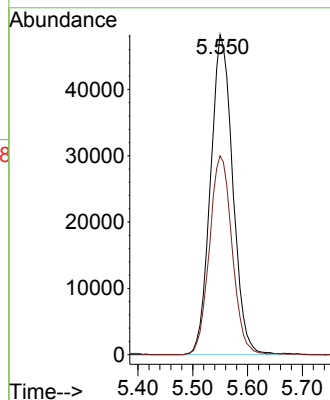
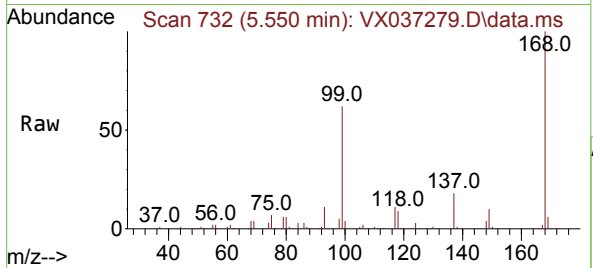




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

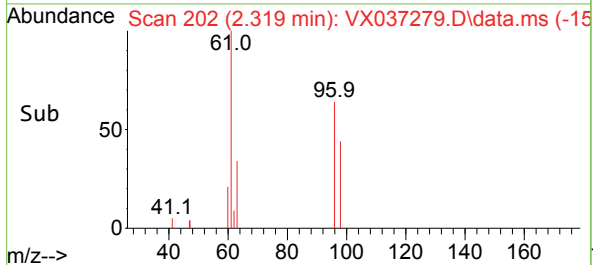
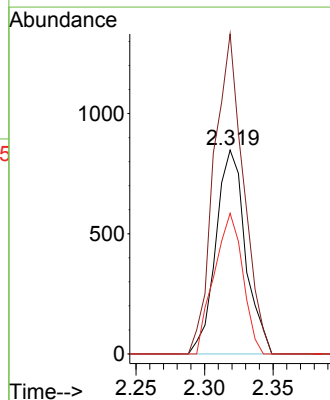
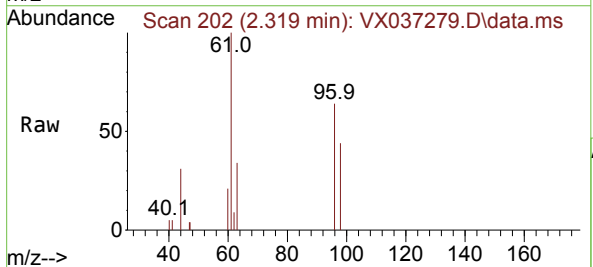
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230818

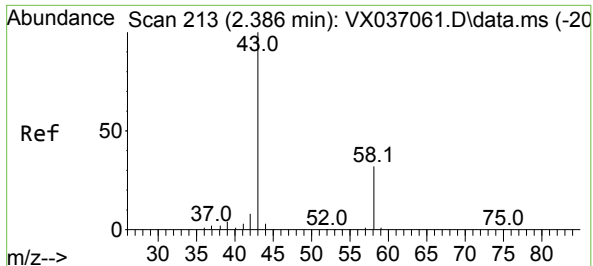
Tgt Ion:168 Resp: 135715
Ion Ratio Lower Upper
168 100
99 62.2 56.6 85.0



#12
1,1-Dichloroethene
Concen: 0.913 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Tgt Ion: 96 Resp: 1275
Ion Ratio Lower Upper
96 100
61 157.0 144.6 216.8
98 69.0 50.4 75.6

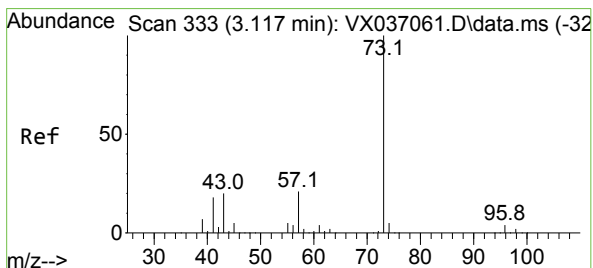
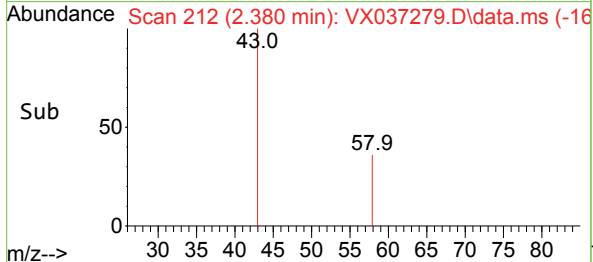
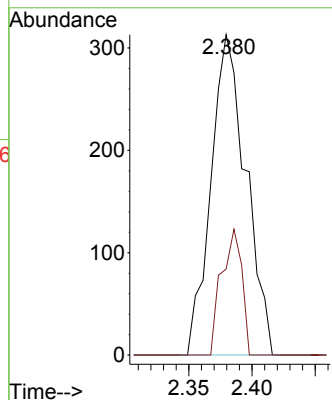
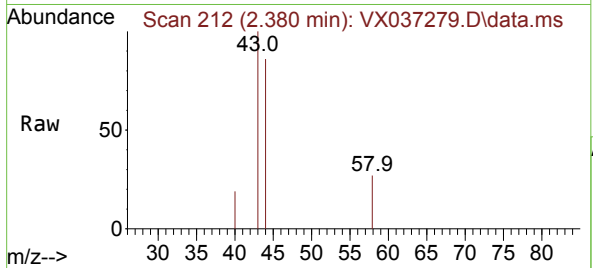




#16
Acetone
Concen: 0.785 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

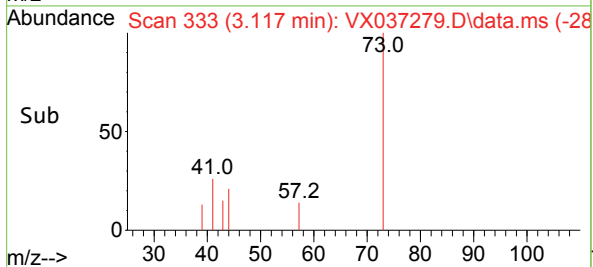
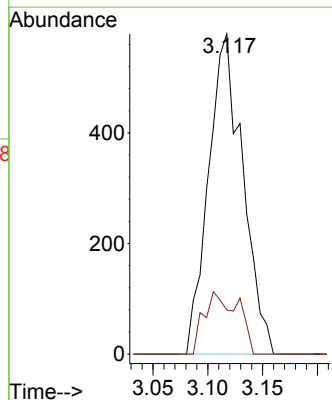
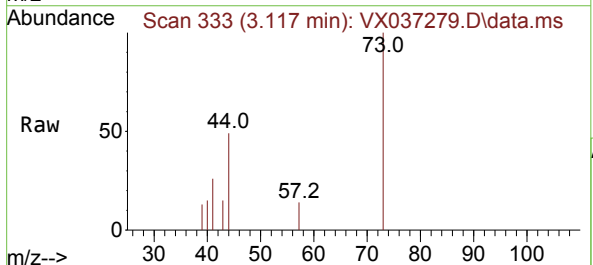
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230818

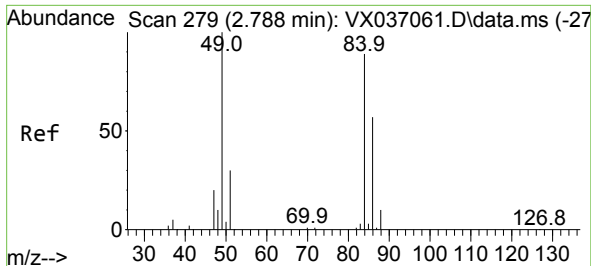
Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
58 26.8 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.237 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

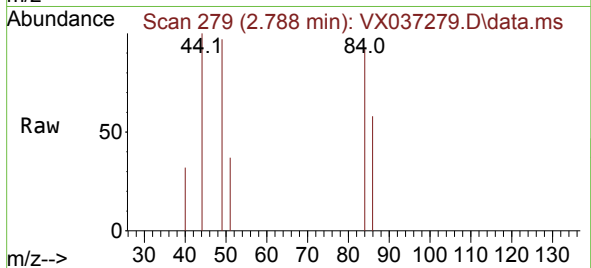
Tgt Ion: 73 Resp: 1258
Ion Ratio Lower Upper
73 100
57 13.8 17.3 25.9#



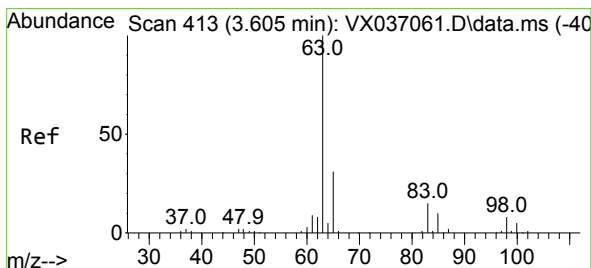
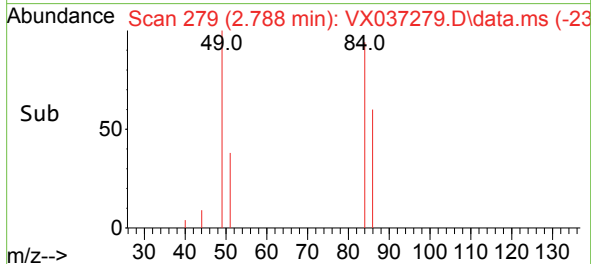
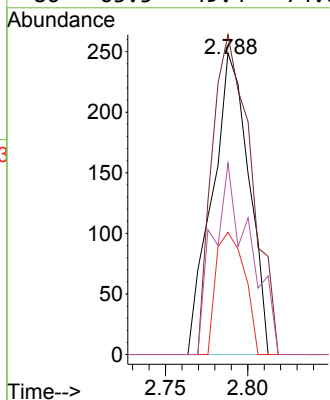


#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230818

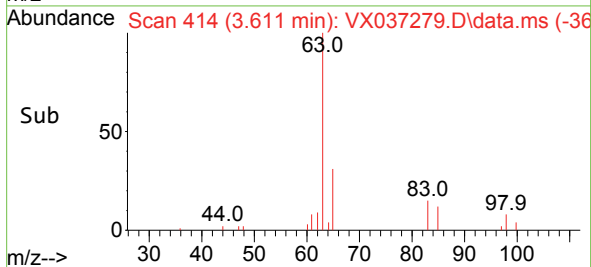
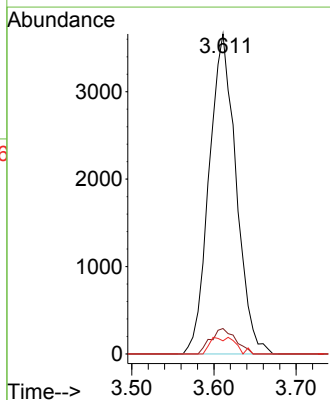
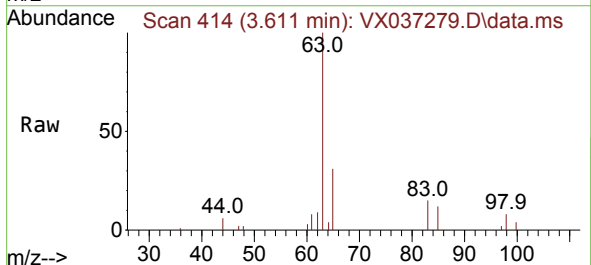


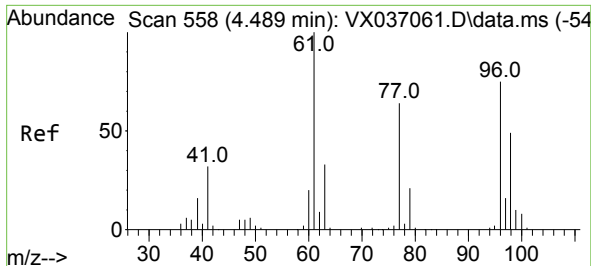
Tgt Ion:	84	Resp:	386
Ion	Ratio	Lower	Upper
84	100		
49	106.0	103.6	155.4
51	40.6	33.8	50.6
86	63.5	49.4	74.0



#24
1,1-Dichloroethane
Concen: 3.006 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Tgt Ion:	63	Resp:	8364
Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.3	9.8
100	4.1	2.1	6.5





#27

cis-1,2-Dichloroethene

Concen: 0.241 ug/l

RT: 4.501 min Scan# 558

Delta R.T. 0.012 min

Lab File: VX037279.D

Acq: 25 Aug 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

TT17411-20230818

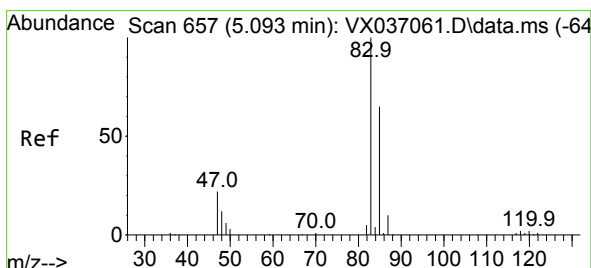
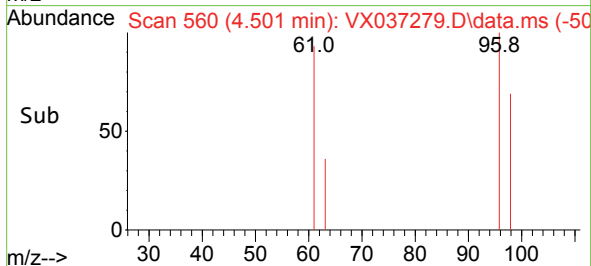
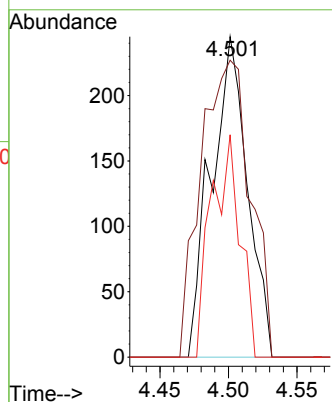
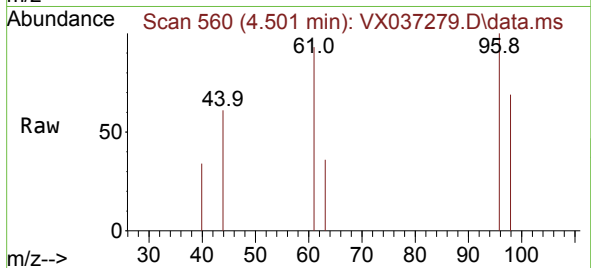
Tgt Ion: 96 Resp: 452

Ion Ratio Lower Upper

96 100

61 126.3 0.0 312.2

98 55.1 0.0 129.0



#30

Chloroform

Concen: 0.279 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037279.D

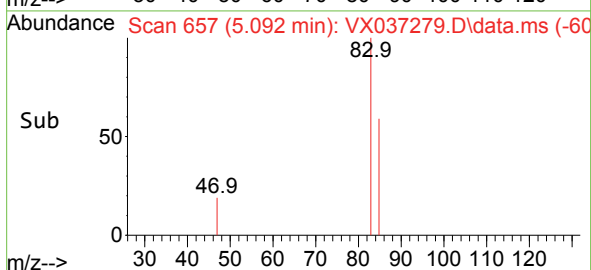
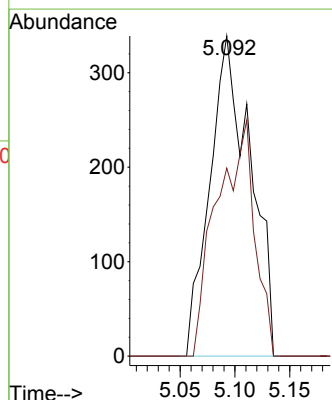
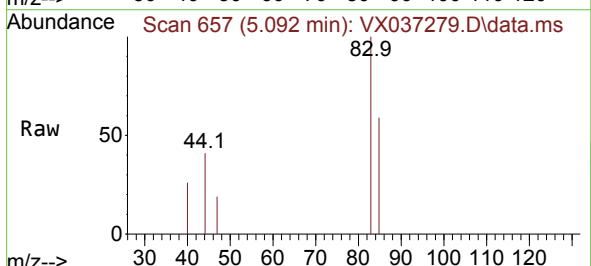
Acq: 25 Aug 2023 18:22

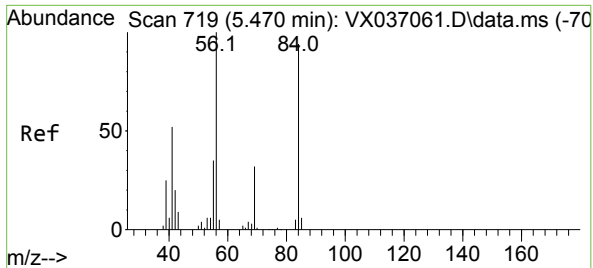
Tgt Ion: 83 Resp: 872

Ion Ratio Lower Upper

83 100

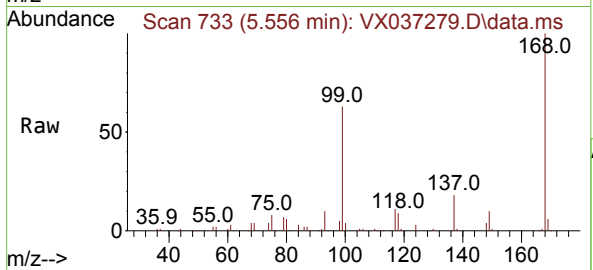
85 58.7 50.3 75.5



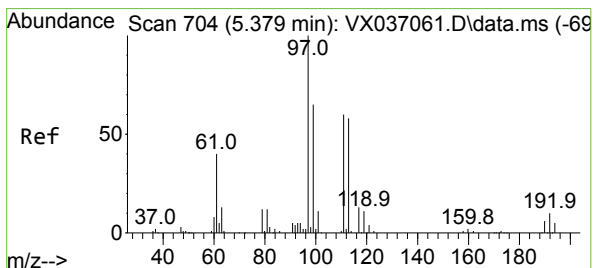
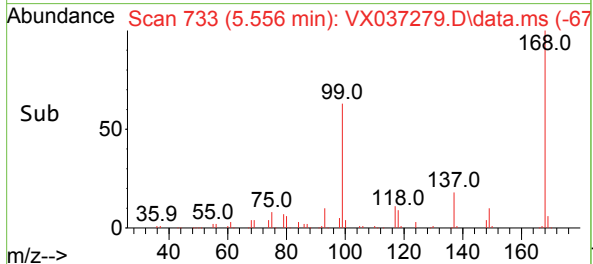
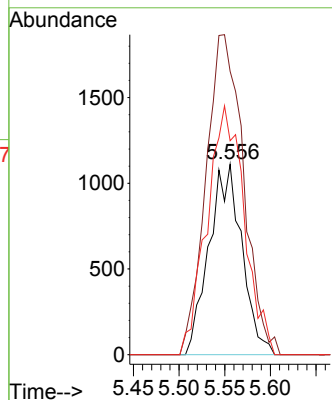


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Instrument :
MSVOA_X
ClientSampleId :
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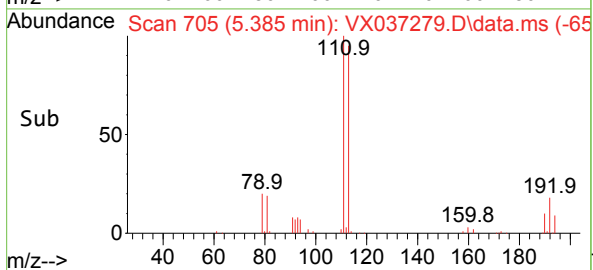
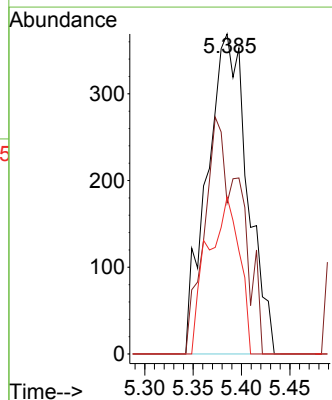
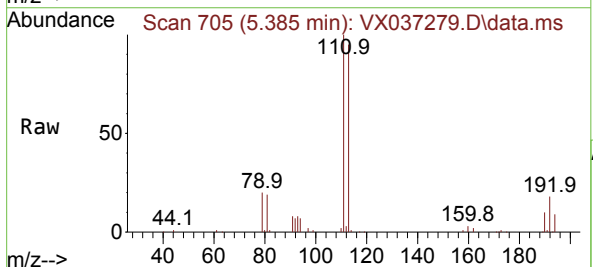


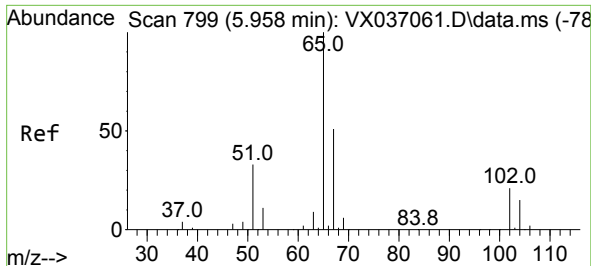
Tgt Ion: 56 Resp: 2770
Ion Ratio Lower Upper
56 100
69 148.8 23.4 35.2#
84 112.3 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.383 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Tgt Ion: 97 Resp: 1071
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 38.7 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 43.216 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037279.D

Acq: 25 Aug 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

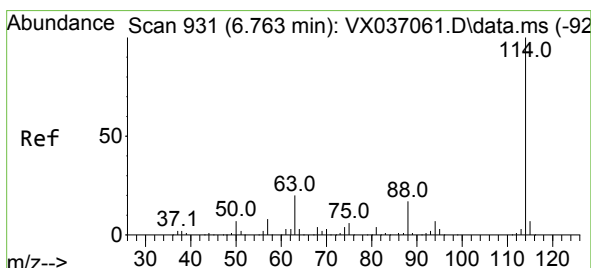
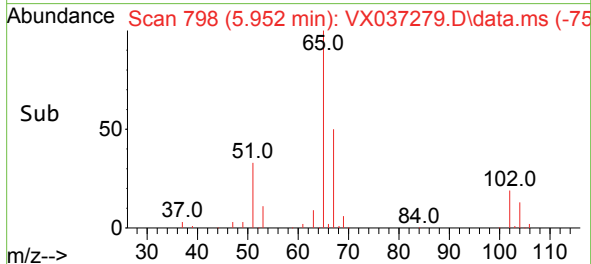
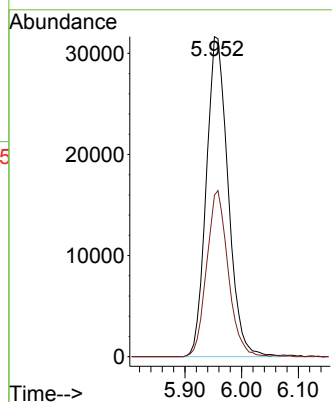
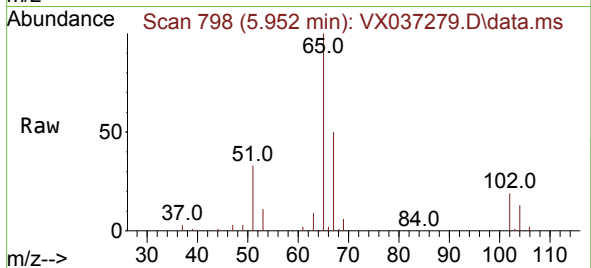
TT17411-20230818

Tgt Ion: 65 Resp: 84556

Ion Ratio Lower Upper

65 100

67 51.2 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: VX037279.D

Acq: 25 Aug 2023 18:22

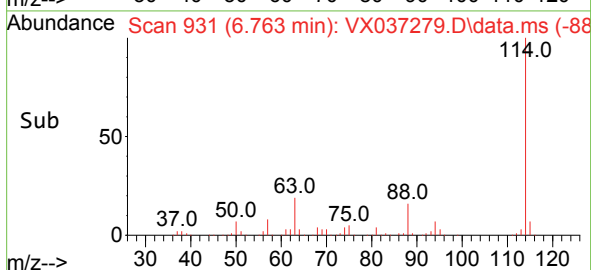
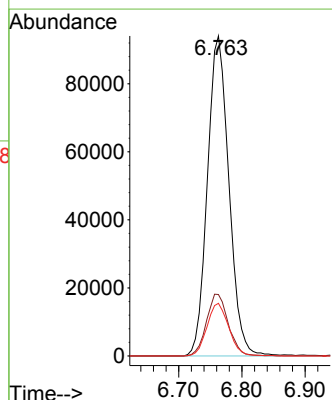
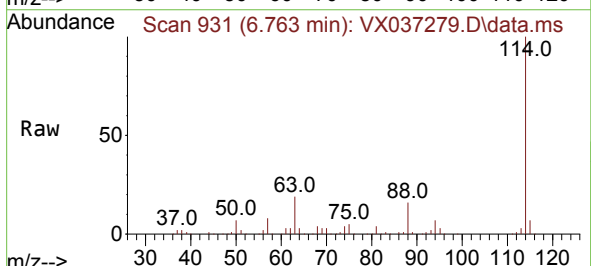
Tgt Ion: 114 Resp: 222278

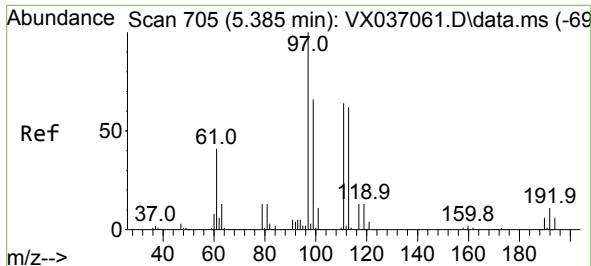
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 16.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.642 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037279.D

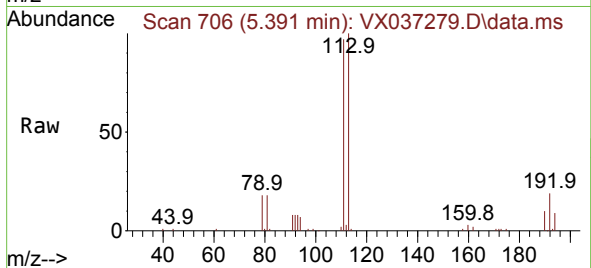
Acq: 25 Aug 2023 18:22

Instrument :

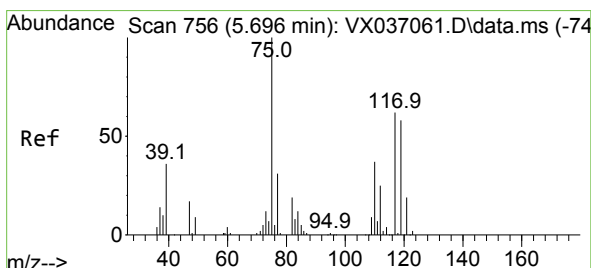
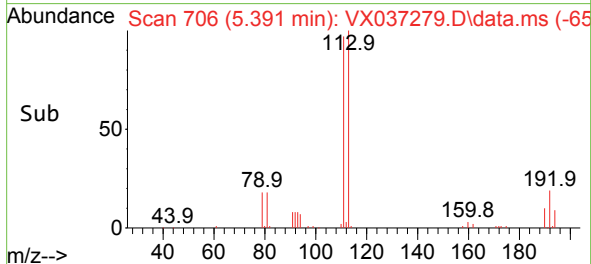
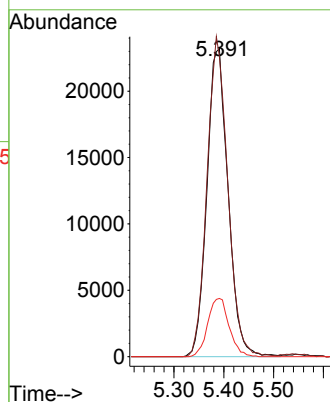
MSVOA_X

ClientSampleId :

TT17411-20230818



Tgt Ion:	113	Resp:	68662
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.9	124.3
192	19.0	13.3	19.9



#36

1,1-Dichloropropene

Concen: 5.126 ug/l

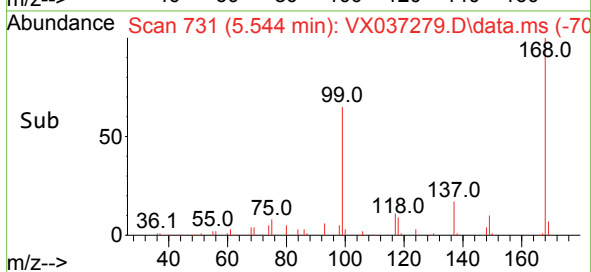
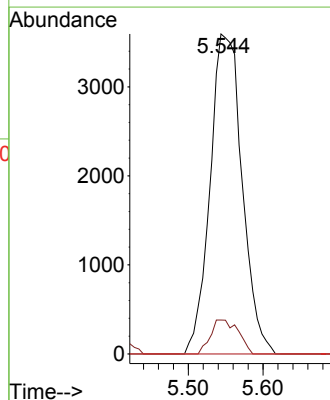
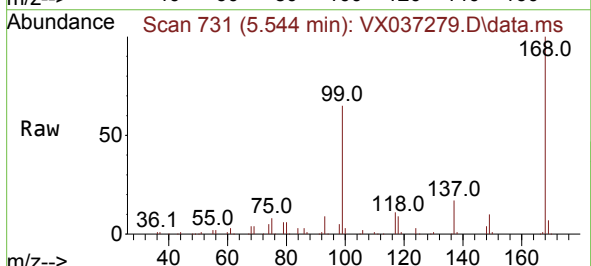
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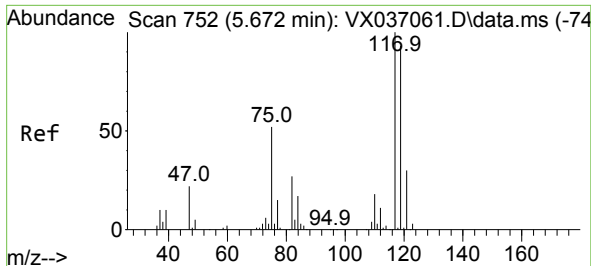
Delta R.T. -0.152 min

Lab File: VX037279.D

Acq: 25 Aug 2023 18:22

Tgt Ion:	75	Resp:	10720
Ion Ratio	Lower	Upper	
75	100		
110	9.2	17.0	50.9#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.516 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX037279.D

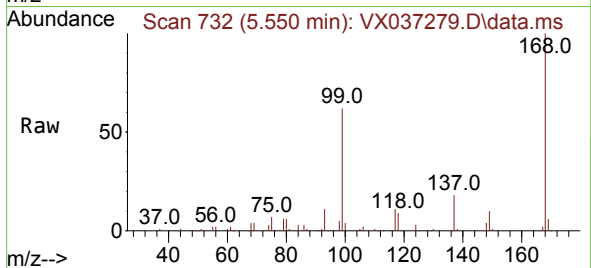
Acq: 25 Aug 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

TT17411-20230818



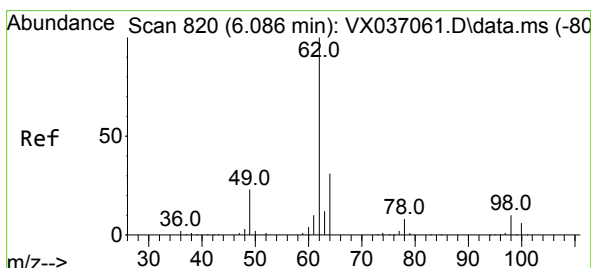
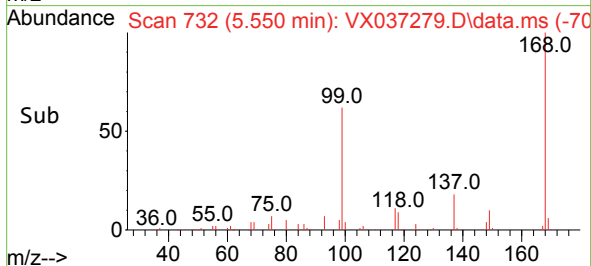
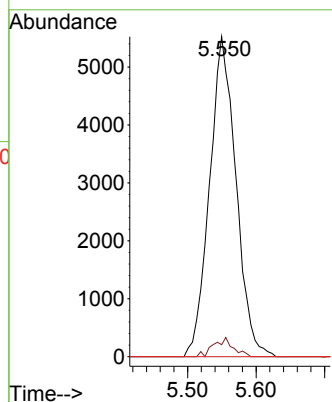
Tgt Ion:117 Resp: 14803

Ion Ratio Lower Upper

117 100

119 3.7 78.2 117.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.244 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.018 min

Lab File: VX037279.D

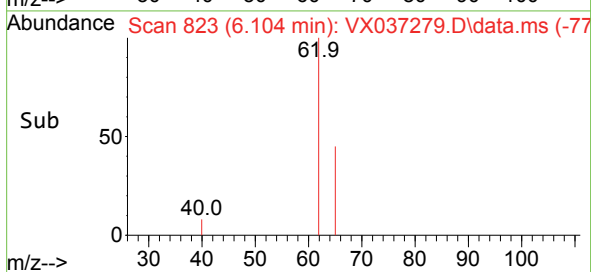
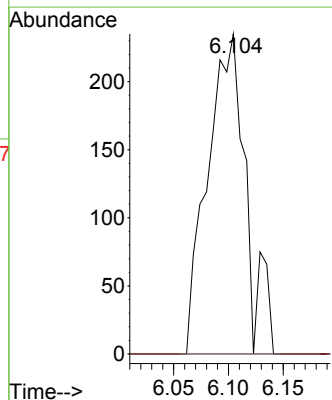
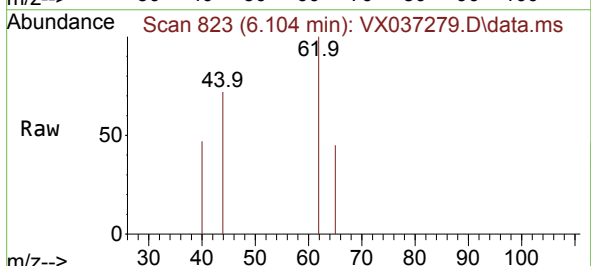
Acq: 25 Aug 2023 18:22

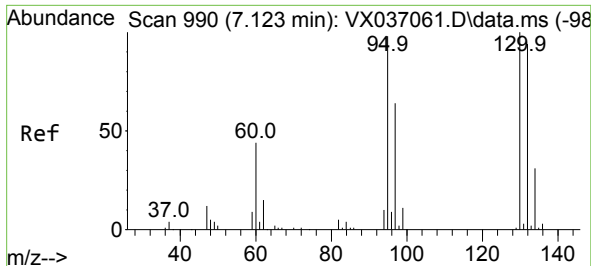
Tgt Ion: 62 Resp: 573

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0

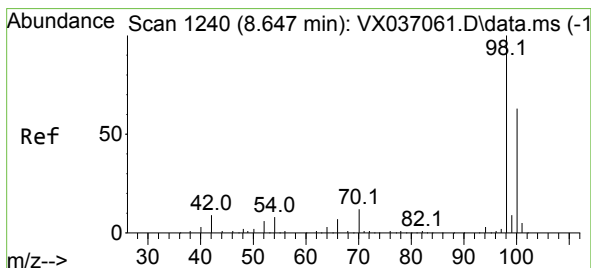
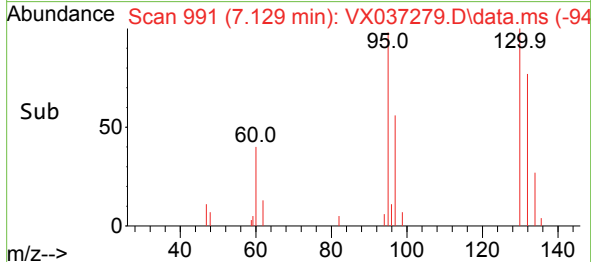
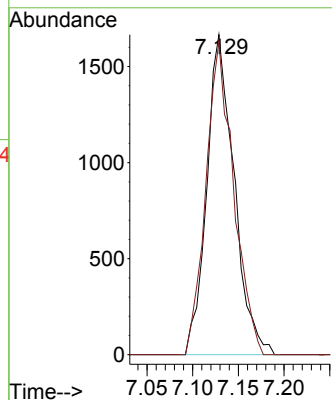
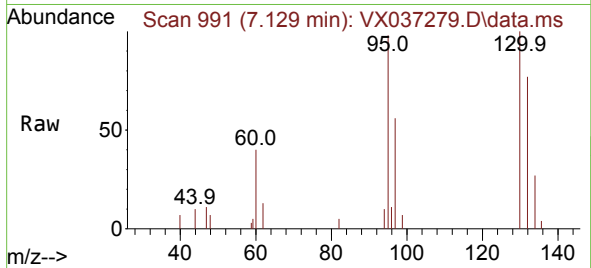




#44
Trichloroethene
Concen: 2.037 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

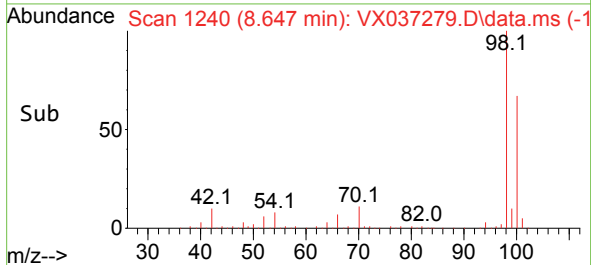
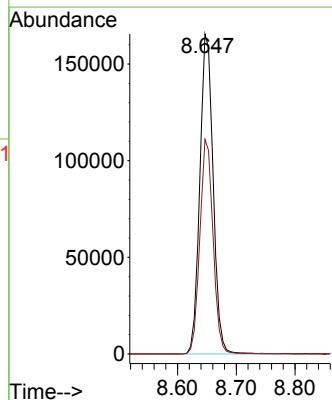
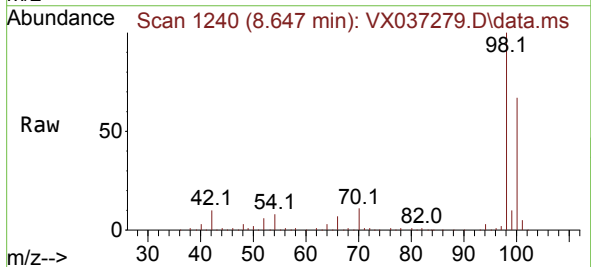
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230818

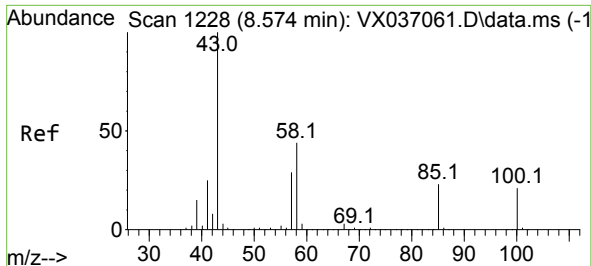
Tgt Ion:130 Resp: 3465
Ion Ratio Lower Upper
130 100
95 97.9 0.0 204.4



#50
Toluene-d8
Concen: 48.827 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Tgt Ion: 98 Resp: 260728
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

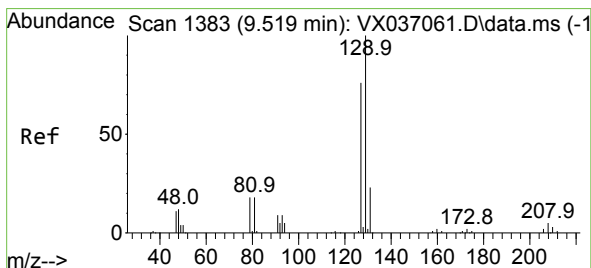
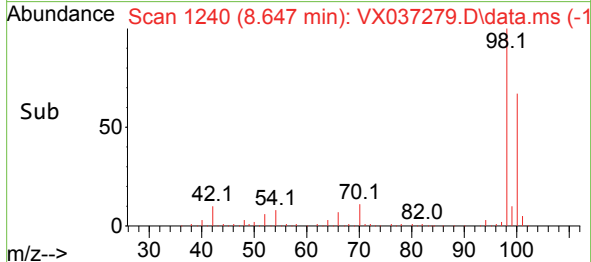
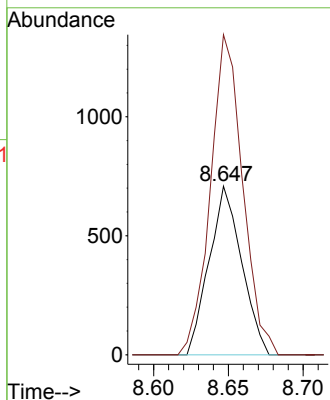
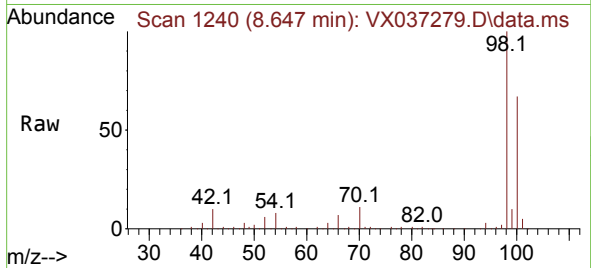




#51
4-Methyl-2-Pentanone
Concen: 0.519 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

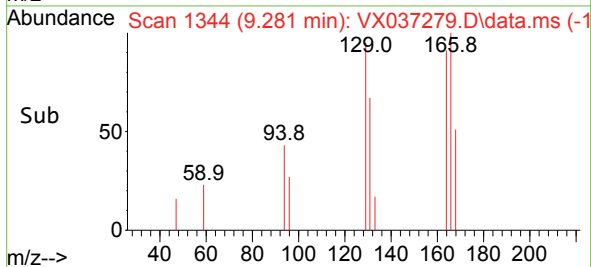
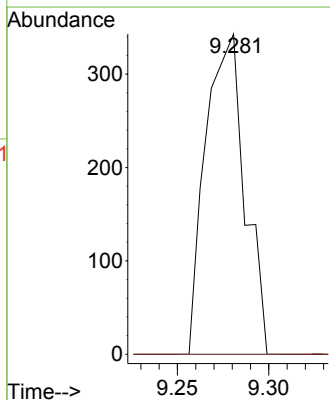
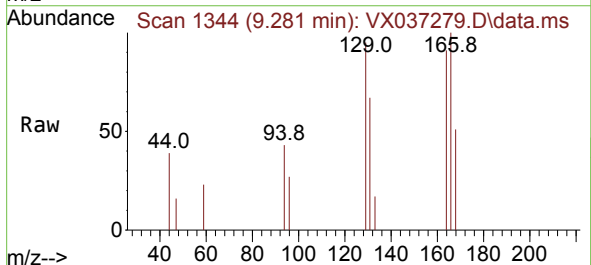
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230818

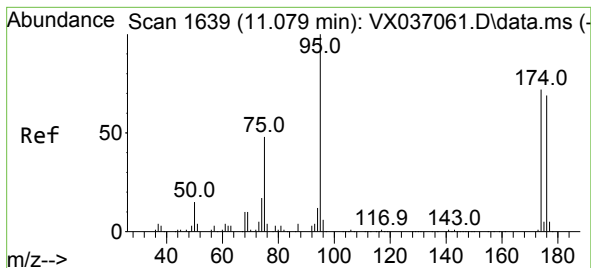
Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
58 188.6 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.297 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Tgt Ion: 129 Resp: 511
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

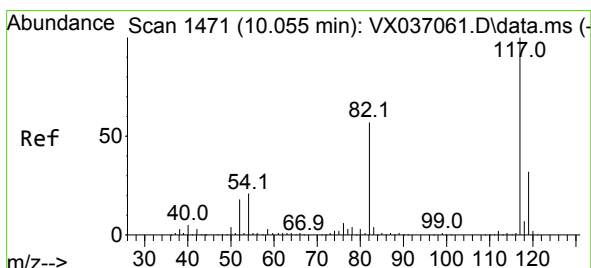
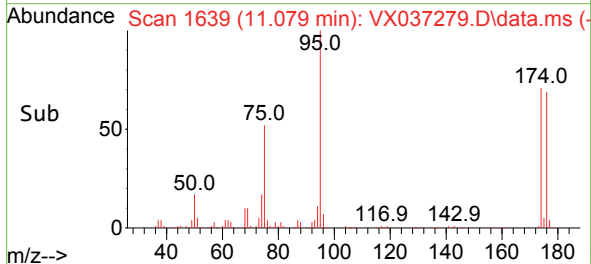
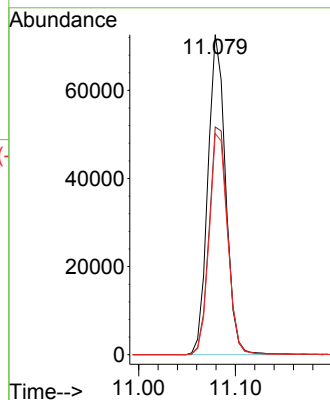
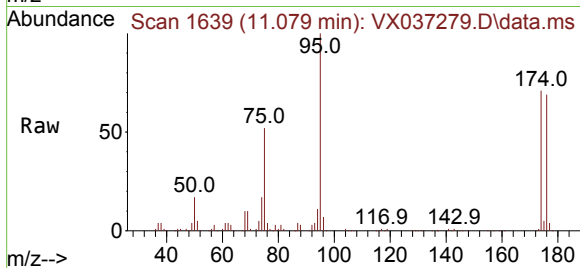




#62
4-Bromofluorobenzene
Concen: 44.068 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

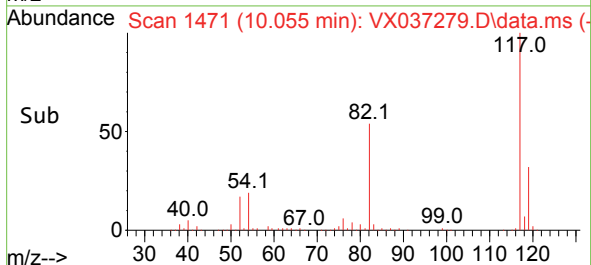
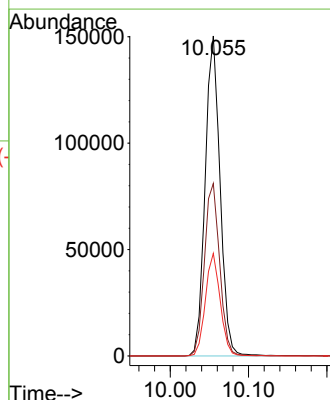
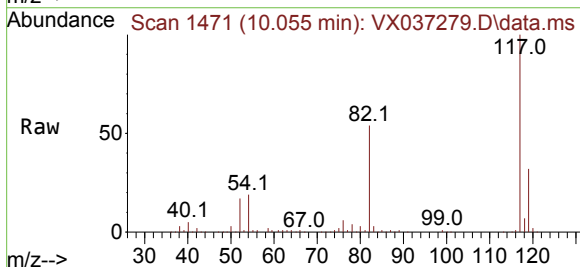
Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230818

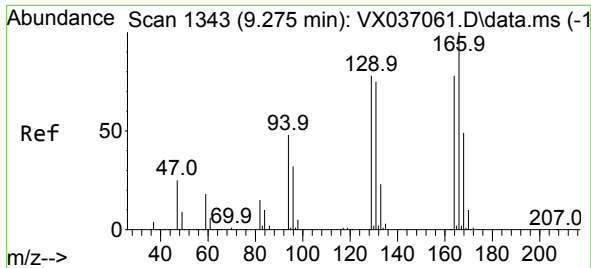
Tgt Ion: 95 Resp: 92477
Ion Ratio Lower Upper
95 100
174 75.2 0.0 135.6
176 71.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Tgt Ion: 117 Resp: 198193
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 32.1 25.5 38.3



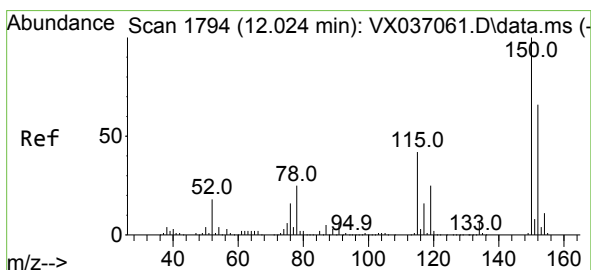
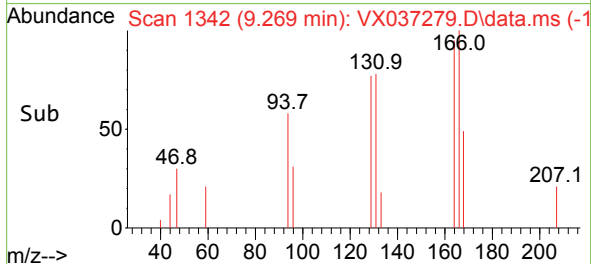
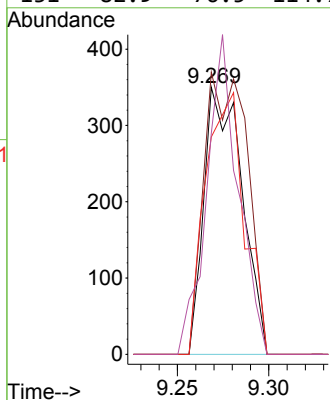
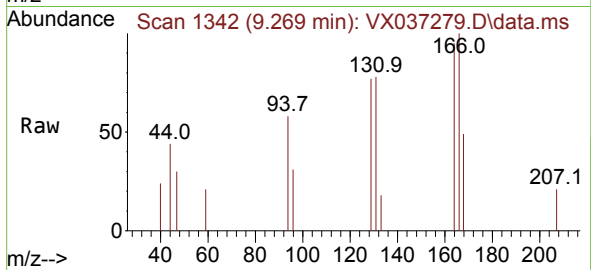


#64
Tetrachloroethene
Concen: 0.350 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Instrument :
MSVOA_X
ClientSampleId :
TT17411-20230818

Tgt Ion:164 Resp: 506

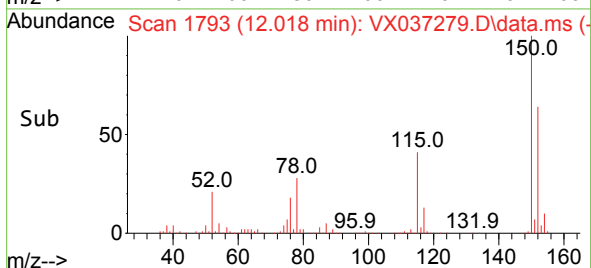
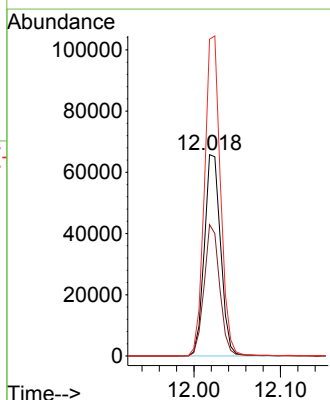
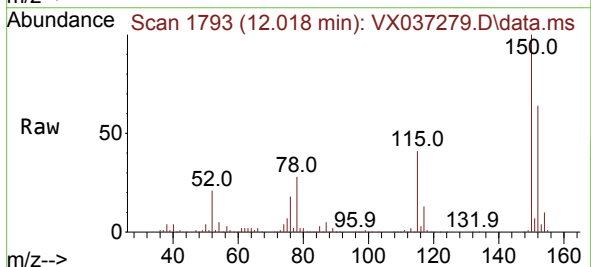
Ion	Ratio	Lower	Upper
164	100		
166	105.7	102.7	154.1
129	81.4	80.4	120.6
131	82.9	76.5	114.7

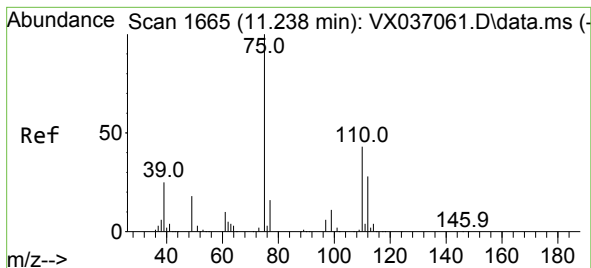


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX037279.D
Acq: 25 Aug 2023 18:22

Tgt Ion:152 Resp: 85858

Ion	Ratio	Lower	Upper
152	100		
115	62.8	43.3	129.9
150	156.4	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 25.910 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037279.D

Acq: 25 Aug 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

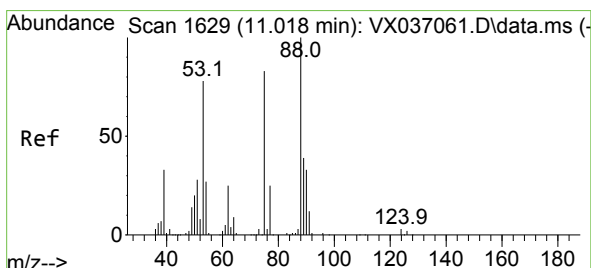
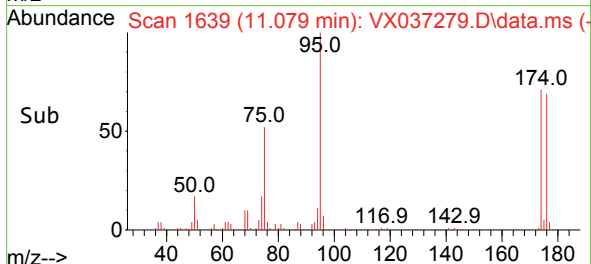
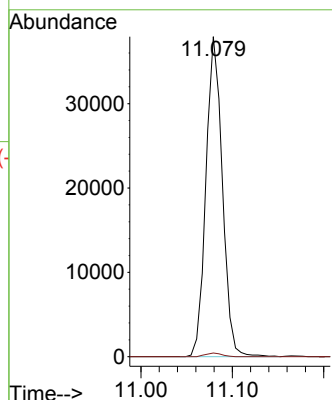
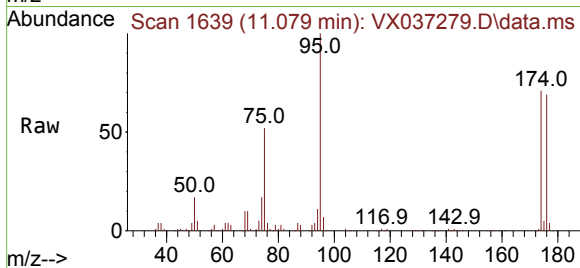
TT17411-20230818

Tgt Ion: 75 Resp: 47376

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.367 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037279.D

Acq: 25 Aug 2023 18:22

Tgt Ion: 75 Resp: 47376

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

