

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034471.D
 Acq On : 14 Mar 2023 17:41
 Operator : JC/MD
 Sample : 01880-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20230310

Quant Time: Mar 15 06:50:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

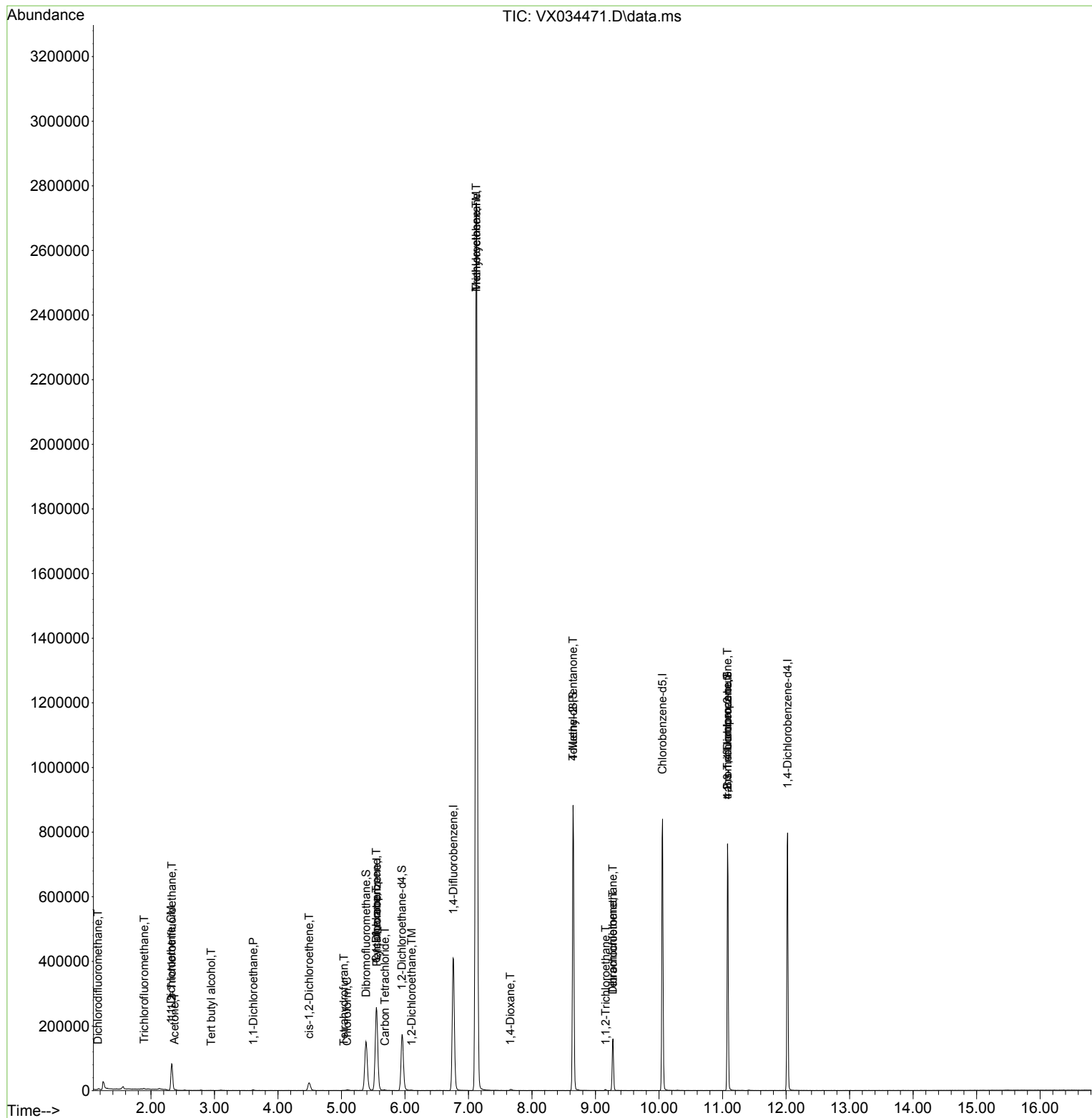
Internal Standards						
1) Pentafluorobenzene	5.556	168	242709	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	417604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	163616	46.338	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.680%
35) Dibromofluoromethane	5.385	113	130659	47.388	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.780%
50) Toluene-d8	8.647	98	505073	49.070	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.140%
62) 4-Bromofluorobenzene	11.079	95	192726	46.356	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	932	0.412	ug/l	98
3) Chloromethane	1.294	50	351	Below Cal	#	42
7) Trichlorofluoromethane	1.892	101	1397	0.302	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	25891	9.597	ug/l	99
11) Tert butyl alcohol	2.946	59	149	0.203	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	8560	3.222	ug/l	98
16) Acetone	2.367	43	1041	0.626	ug/l #	83
24) 1,1-Dichloroethane	3.611	63	2486	0.450	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	15512	4.567	ug/l	86
29) Tetrahydrofuran	5.038	42	483	0.329	ug/l #	38
30) Chloroform	5.086	83	2158	0.399	ug/l	96
31) Cyclohexane	5.550	56	5608	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18880	4.458	ug/l #	51
38) Carbon Tetrachloride	5.684	117	1454	0.345	ug/l	86
39) Methylcyclohexane	7.123	83	13093	2.583	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	990	0.217	ug/l #	75
44) Trichloroethene	7.123	130	1049740	326.117	ug/l	99
49) 1,4-Dioxane	7.659	88	2953	37.298	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	2731	0.601	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	887	0.291	ug/l #	80
60) Dibromochloromethane	9.275	129	28559	8.946	ug/l #	10
64) Tetrachloroethene	9.275	164	29567	11.818	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	100175	26.404	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	100175	71.430	ug/l #	8

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

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RE125D2-20230310

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

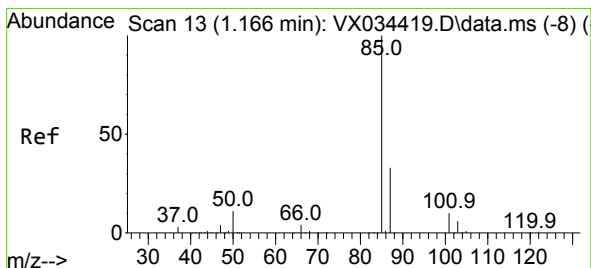
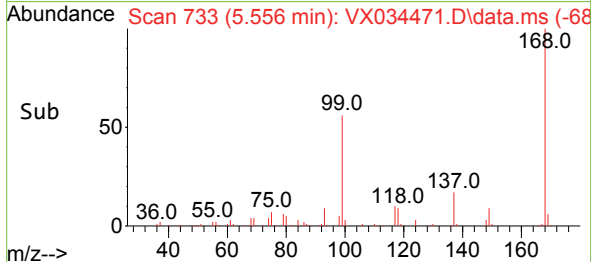
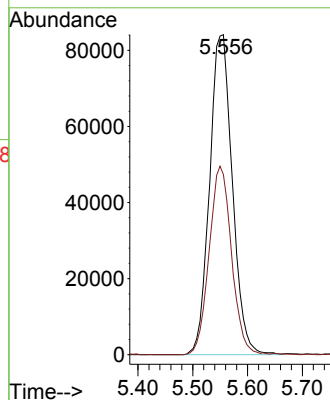
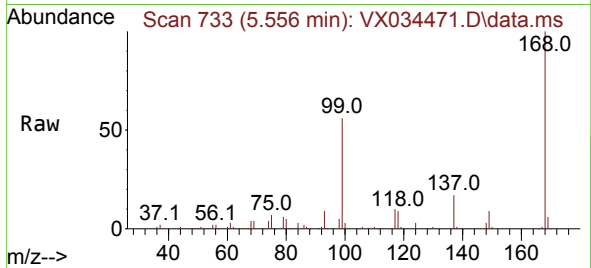




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

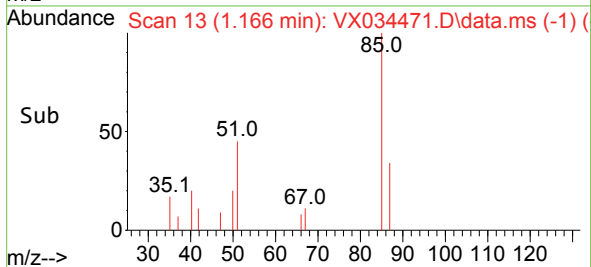
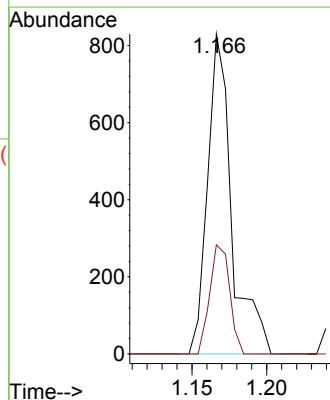
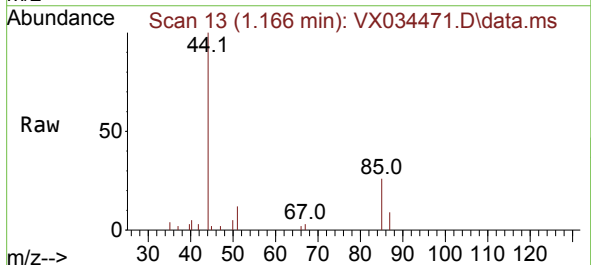
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

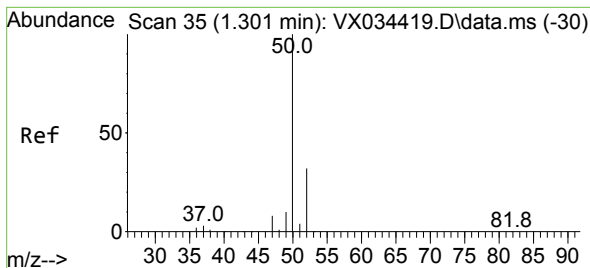
Tgt Ion:168 Resp: 242709
Ion Ratio Lower Upper
168 100
99 56.3 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.412 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 85 Resp: 932
Ion Ratio Lower Upper
85 100
87 34.1 16.4 49.1





#3

Chloromethane

Concen: Below Cal

RT: 1.294 min Scan# 34

Delta R.T. -0.007 min

Lab File: VX034471.D

Acq: 14 Mar 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

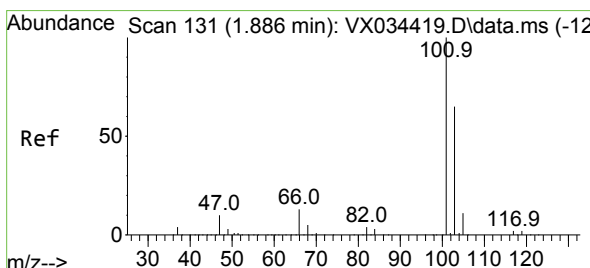
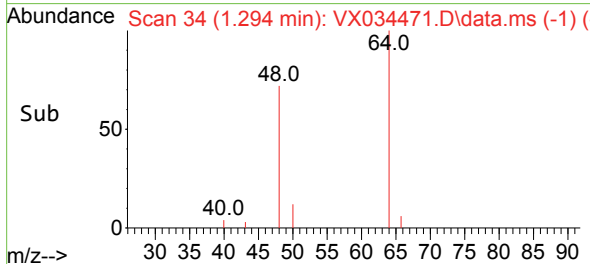
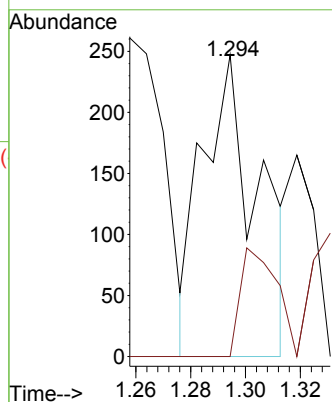
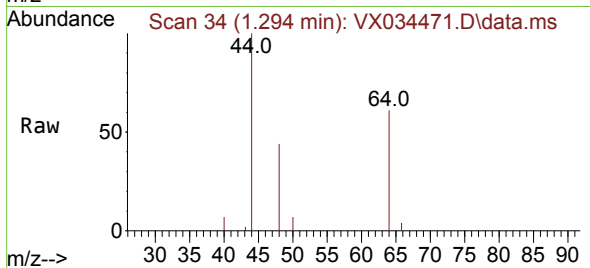
RE125D2-20230310

Tgt Ion: 50 Resp: 351

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#7

Trichlorofluoromethane

Concen: 0.302 ug/l

RT: 1.892 min Scan# 132

Delta R.T. 0.006 min

Lab File: VX034471.D

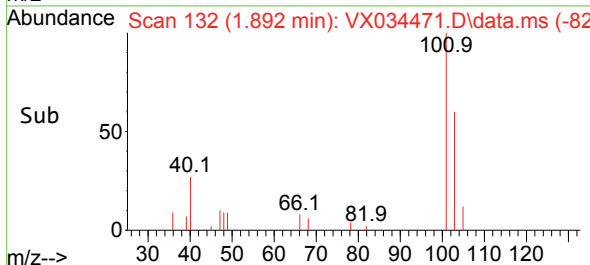
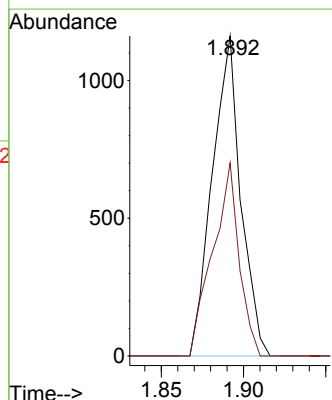
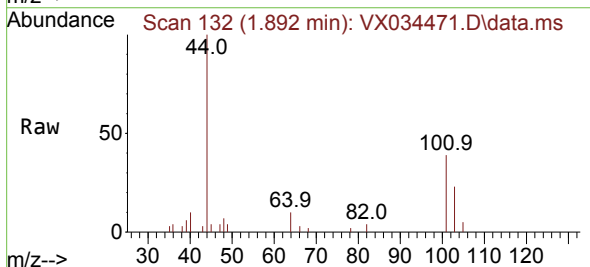
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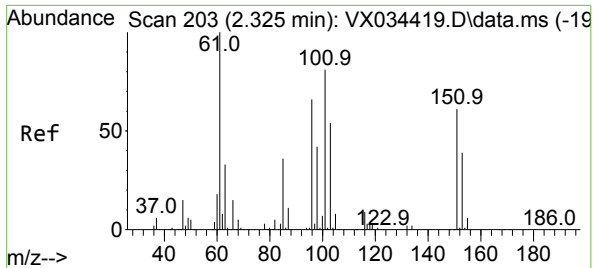
Tgt Ion: 101 Resp: 1397

Ion Ratio Lower Upper

101 100

103 60.3 52.0 78.0

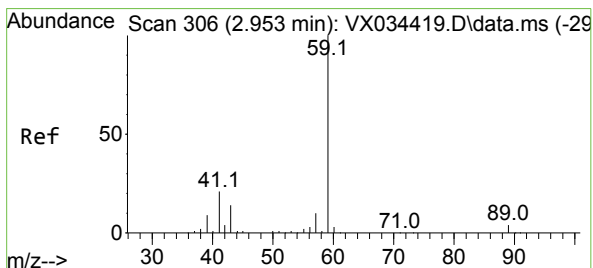
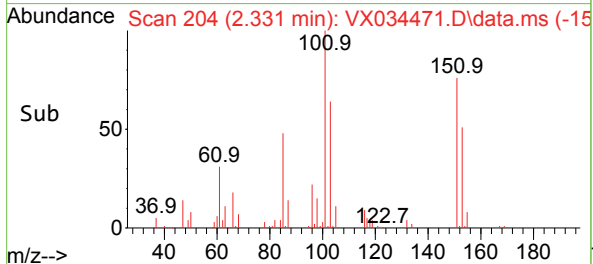
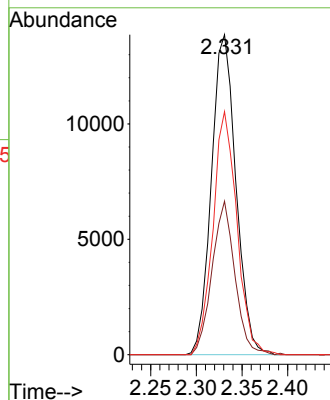
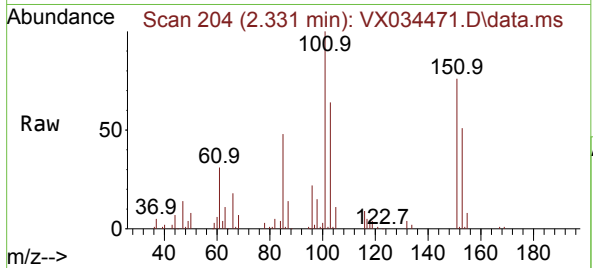




#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.597 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

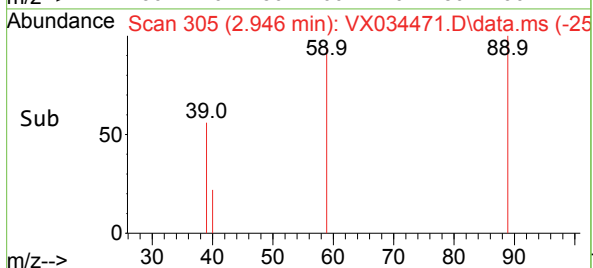
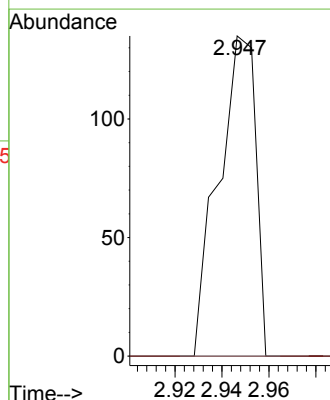
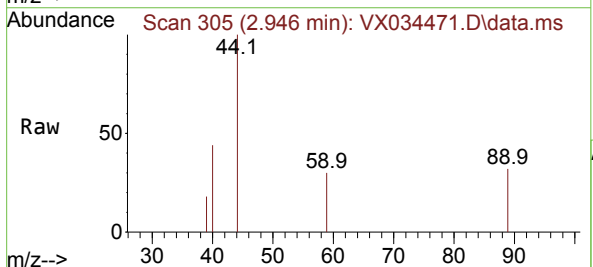
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

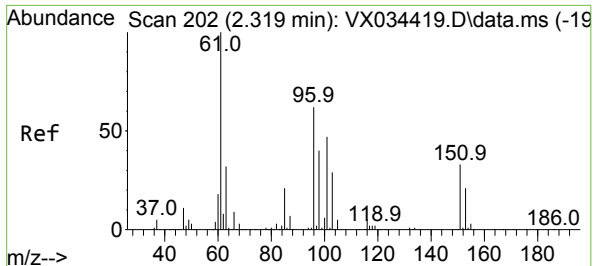
Tgt Ion:101 Resp: 25891
Ion Ratio Lower Upper
101 100
85 44.7 35.4 53.2
151 74.4 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.203 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

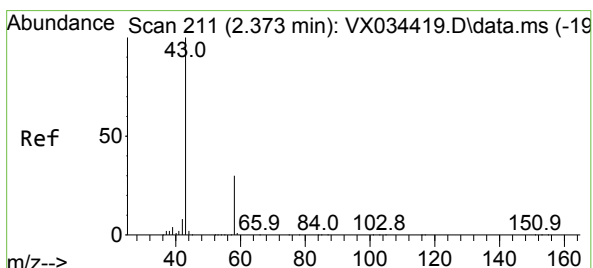
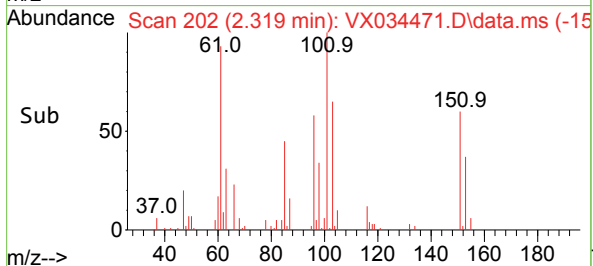
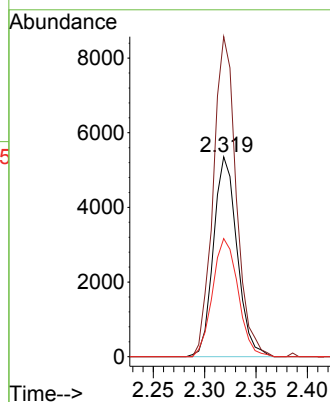
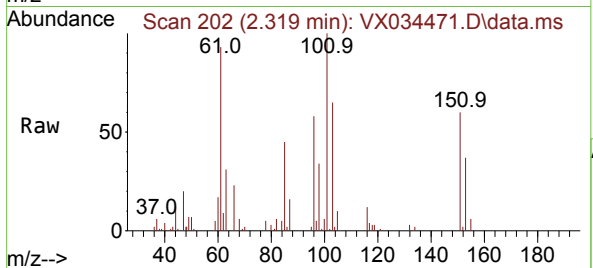




#12
1,1-Dichloroethene
Concen: 3.222 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

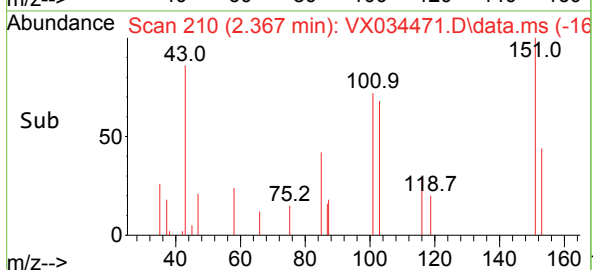
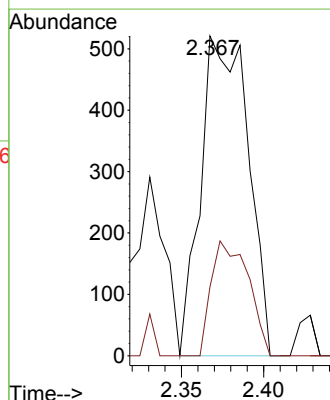
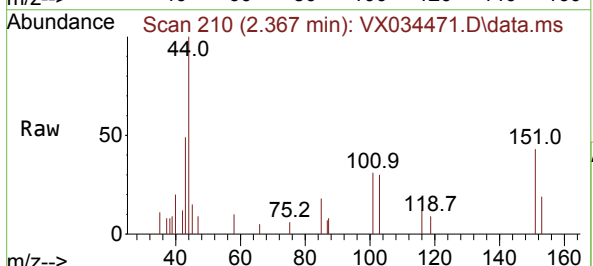
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

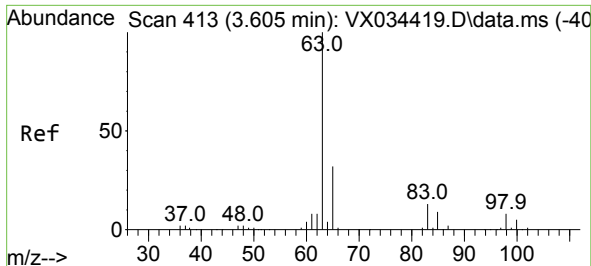
Tgt Ion: 96 Resp: 8560
Ion Ratio Lower Upper
96 100
61 160.1 128.8 193.2
98 59.1 51.4 77.0



#16
Acetone
Concen: 0.626 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
58 21.5 24.7 37.1#

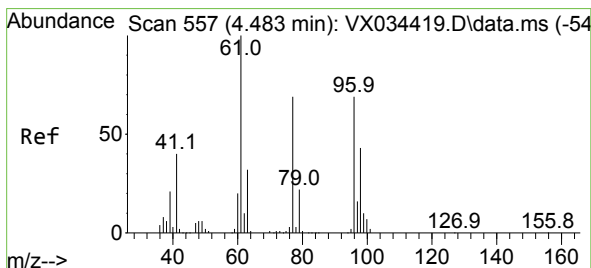
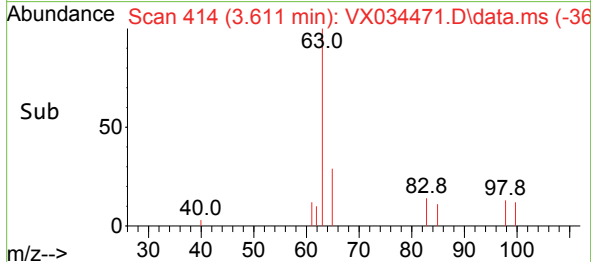
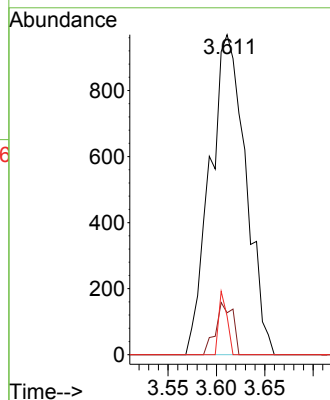
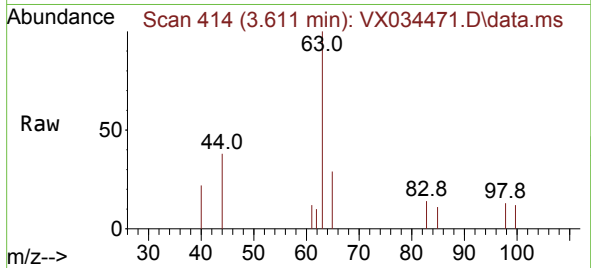




#24
1,1-Dichloroethane
Concen: 0.450 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

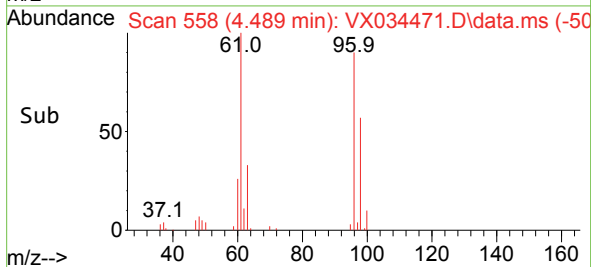
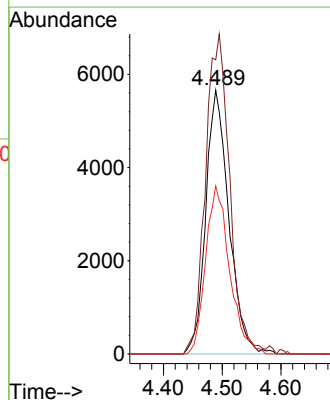
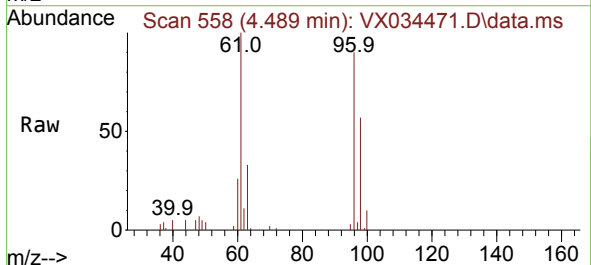
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MSVOA_X
ClientSampleId :
RE125D2-20230310

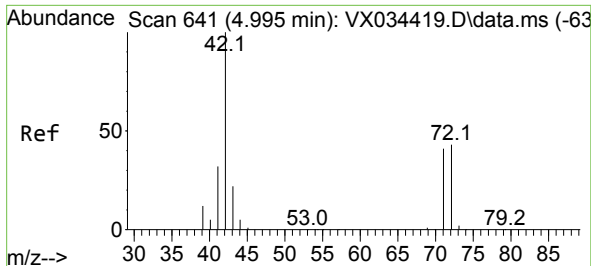
Tgt Ion: 63 Resp: 2486
Ion Ratio Lower Upper
63 100
98 13.1 3.8 11.2#
100 12.1 2.4 7.1#



#27
cis-1,2-Dichloroethene
Concen: 4.567 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 96 Resp: 15512
Ion Ratio Lower Upper
96 100
61 126.1 0.0 300.4
98 65.8 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 5.038 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX034471.D

Acq: 14 Mar 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20230310

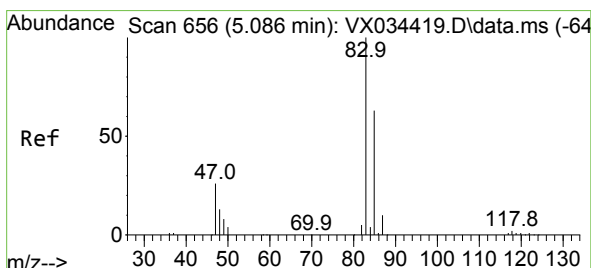
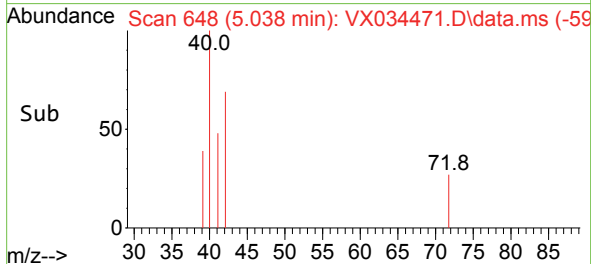
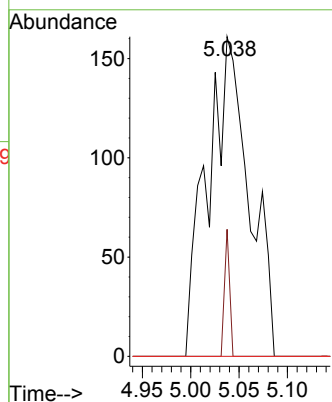
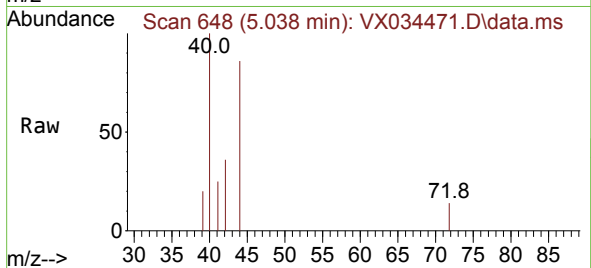
Tgt Ion: 42 Resp: 483

Ion Ratio Lower Upper

42 100

72 4.8 34.5 51.7#

71 0.0 32.1 48.1#



#30

Chloroform

Concen: 0.399 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX034471.D

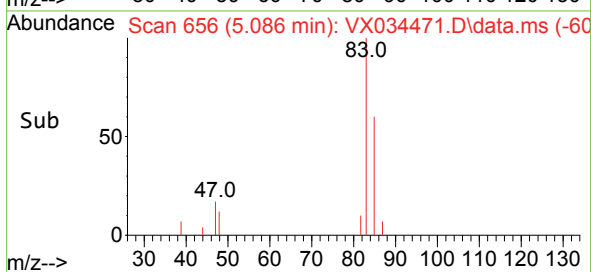
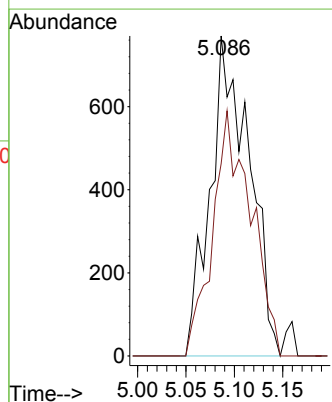
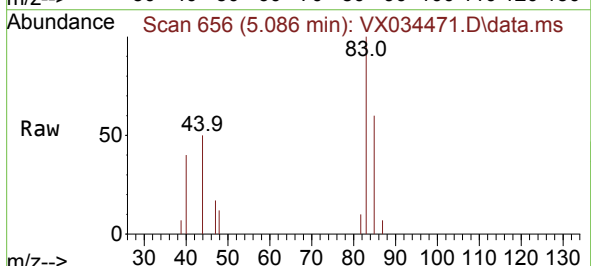
Acq: 14 Mar 2023 17:41

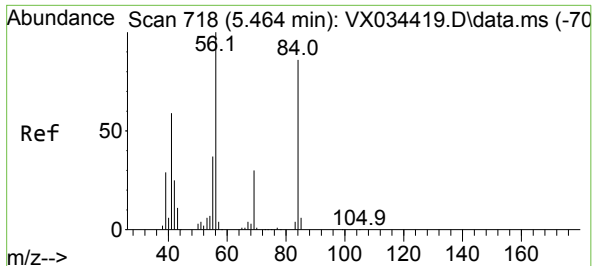
Tgt Ion: 83 Resp: 2158

Ion Ratio Lower Upper

83 100

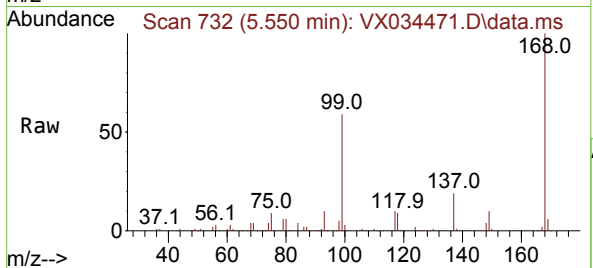
85 60.1 50.6 76.0



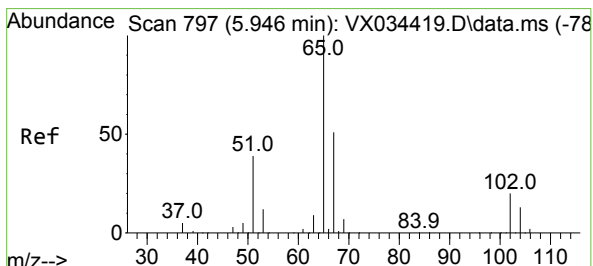
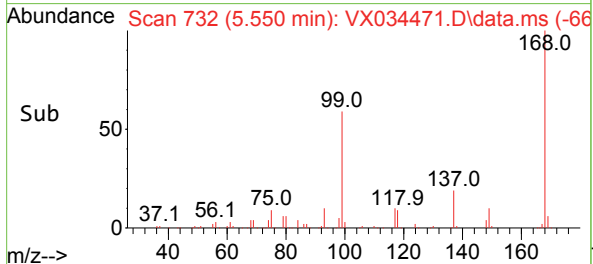
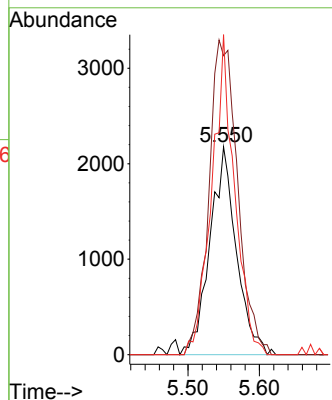


#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

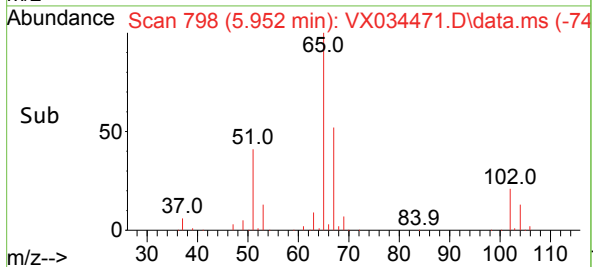
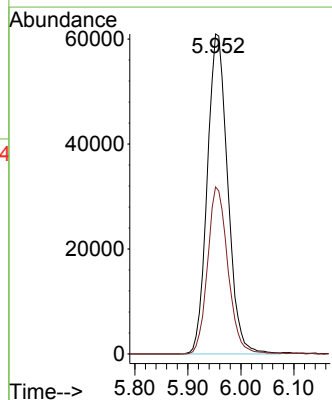
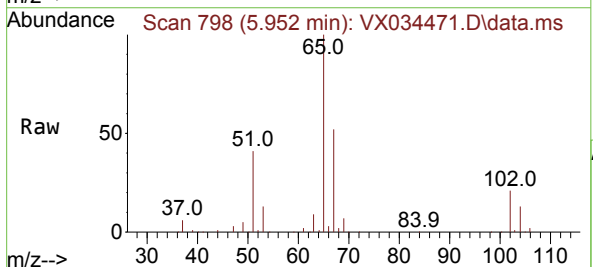


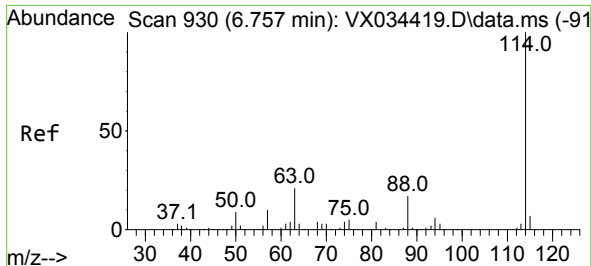
Tgt Ion: 56 Resp: 5608
Ion Ratio Lower Upper
56 100
69 143.9 23.7 35.5#
84 154.0 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.338 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 65 Resp: 163616
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.0

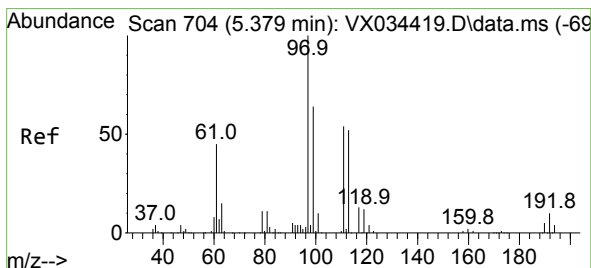
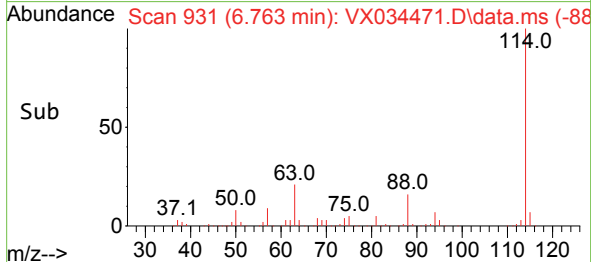
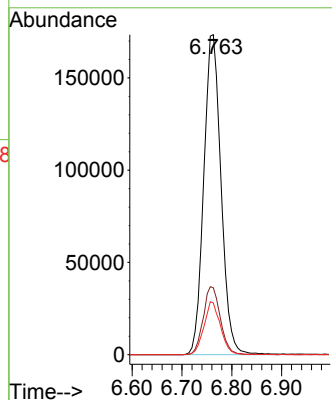
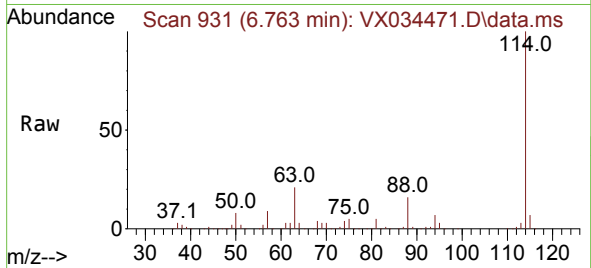




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

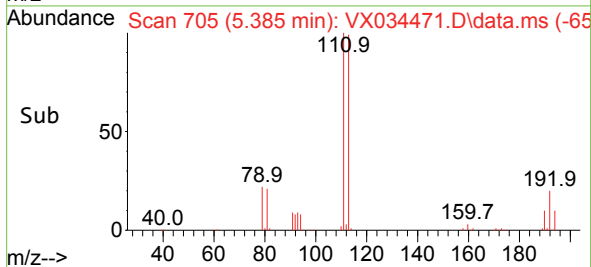
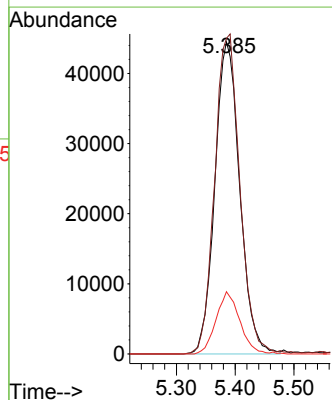
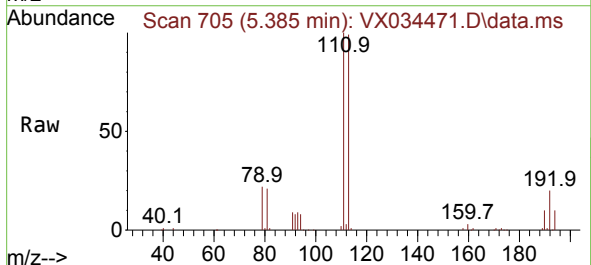
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

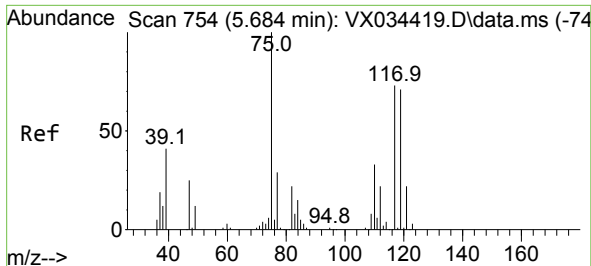
Tgt Ion:114 Resp: 417604
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.388 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion:113 Resp: 130659
Ion Ratio Lower Upper
113 100
111 104.2 83.7 125.5
192 19.0 15.4 23.2

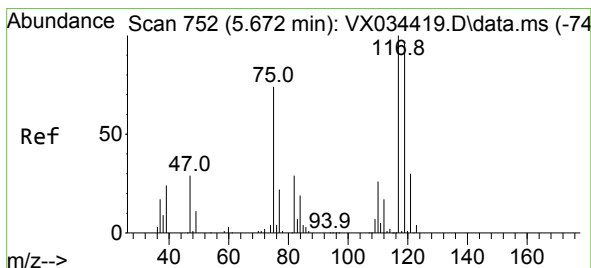
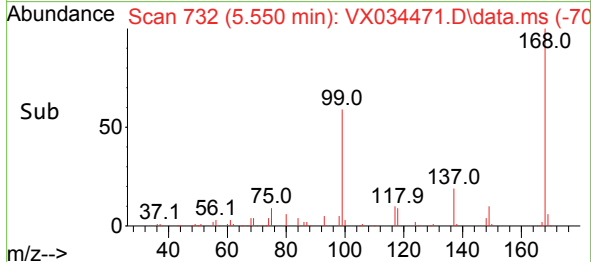
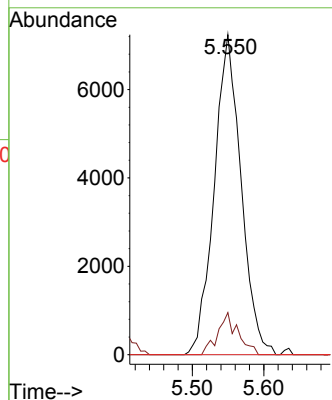
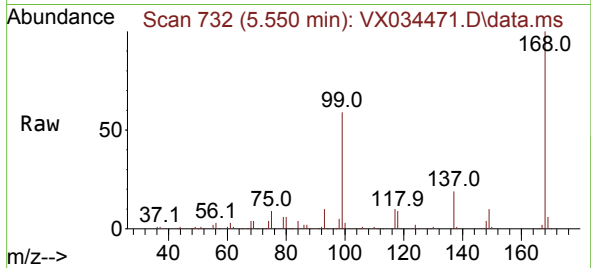




#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

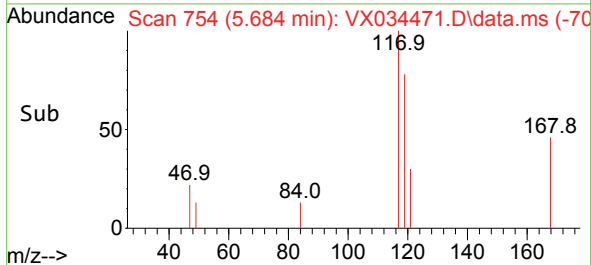
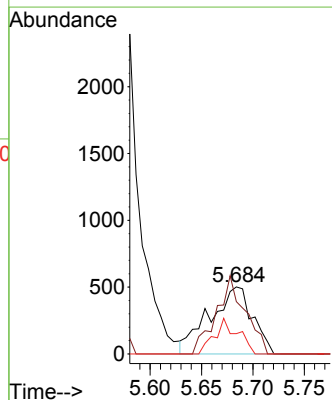
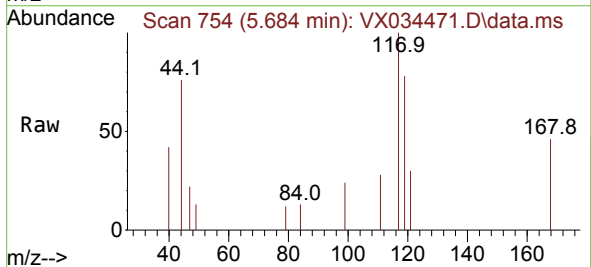
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

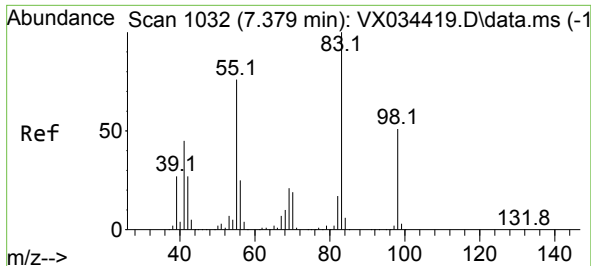
Tgt Ion: 75 Resp: 18880
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 0.345 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.012 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 117 Resp: 1454
Ion Ratio Lower Upper
117 100
119 77.9 76.6 114.8
121 30.3 23.8 35.6





#39

Methylcyclohexane

Concen: 2.583 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX034471.D

Acq: 14 Mar 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20230310

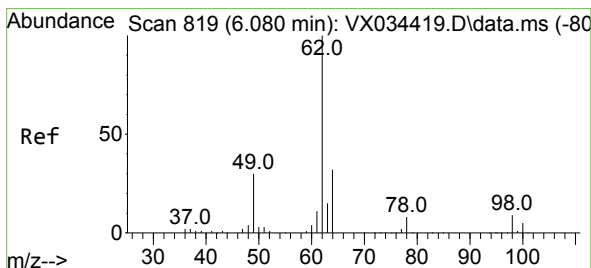
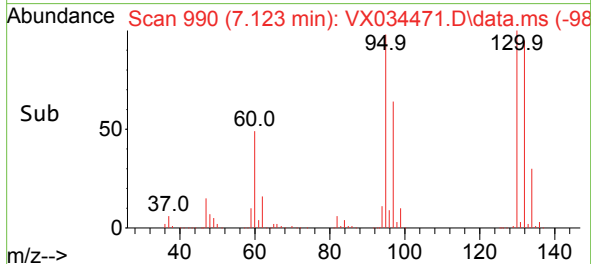
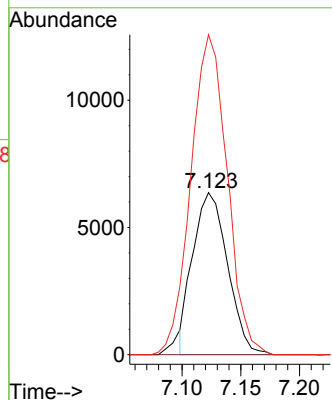
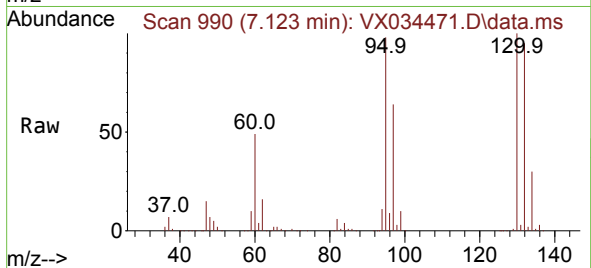
Tgt Ion: 83 Resp: 13093

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 194.6 40.4 60.6#



#42

1,2-Dichloroethane

Concen: 0.217 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.024 min

Lab File: VX034471.D

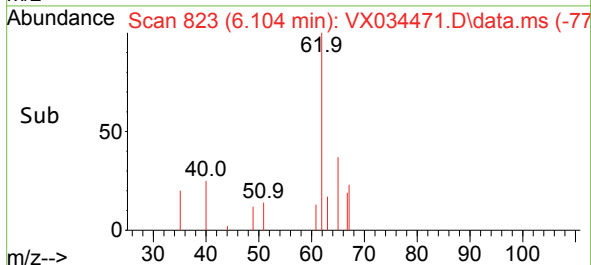
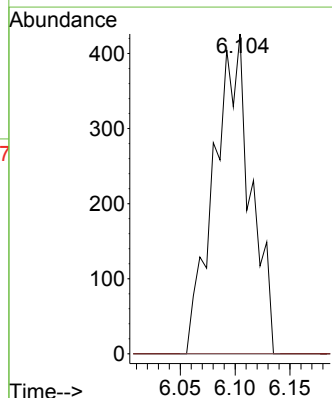
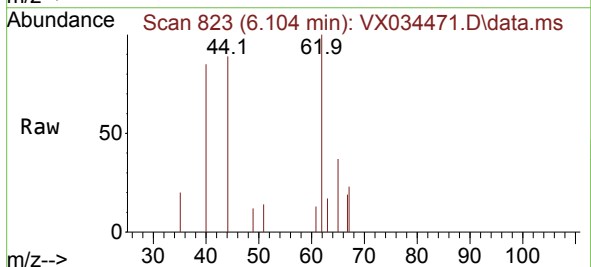
Acq: 14 Mar 2023 17:41

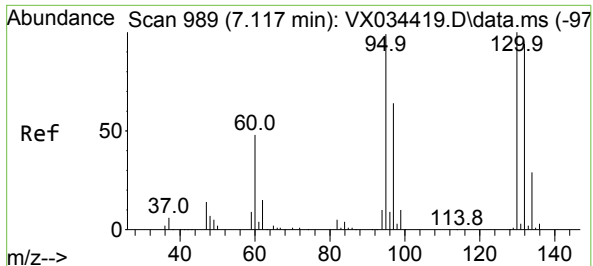
Tgt Ion: 62 Resp: 990

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

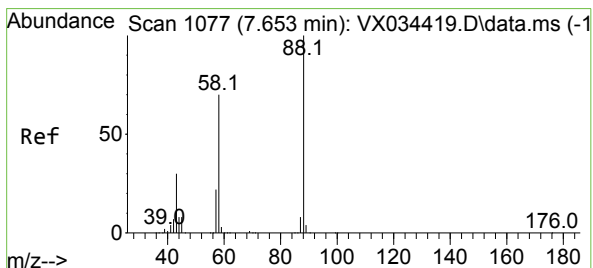
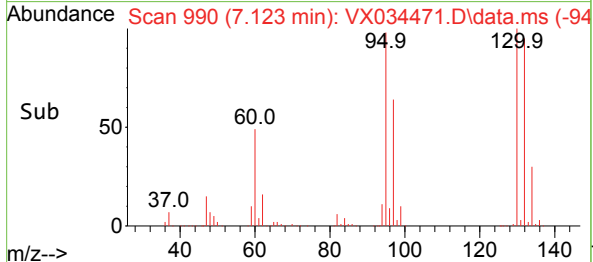
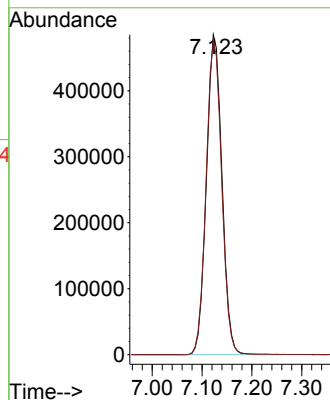
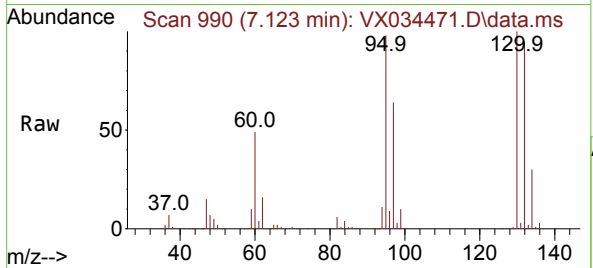




#44
Trichloroethene
Concen: 326.117 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

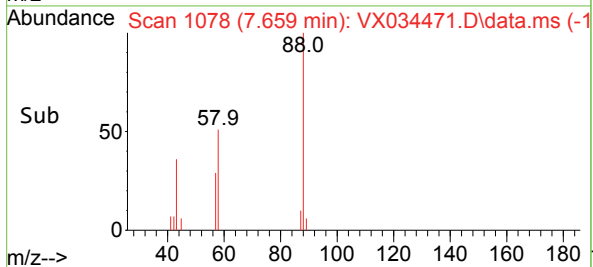
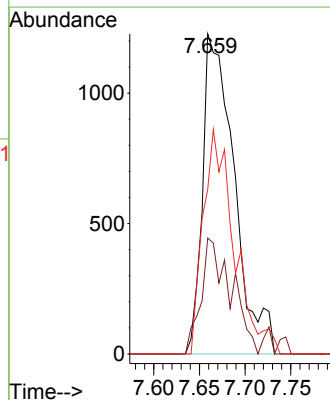
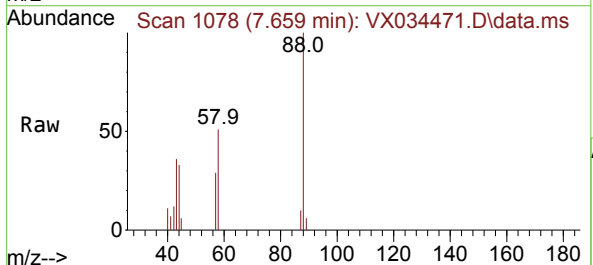
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

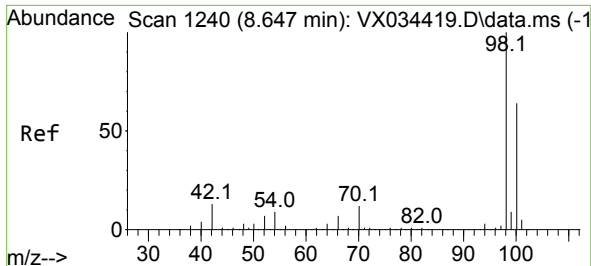
Tgt Ion:130 Resp: 1049740
Ion Ratio Lower Upper
130 100
95 98.2 0.0 198.4



#49
1,4-Dioxane
Concen: 37.298 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 88 Resp: 2953
Ion Ratio Lower Upper
88 100
43 34.4 27.7 41.5
58 69.2 56.8 85.2

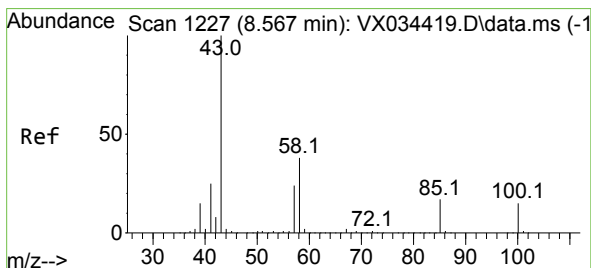
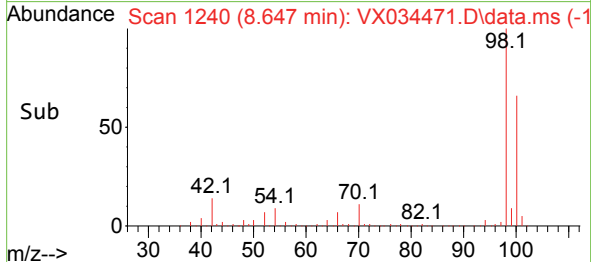
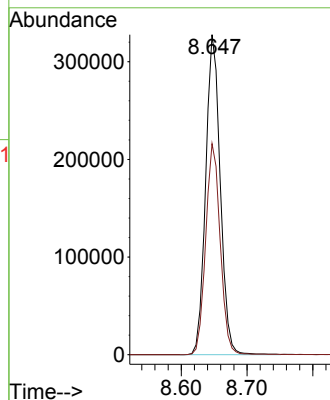
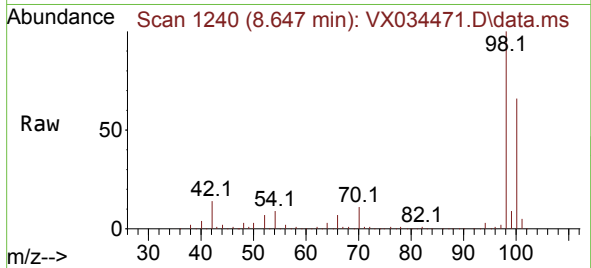




#50
Toluene-d8
Concen: 49.070 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

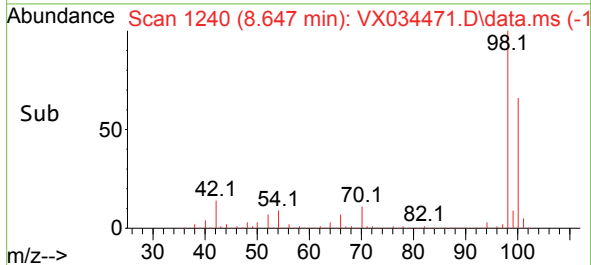
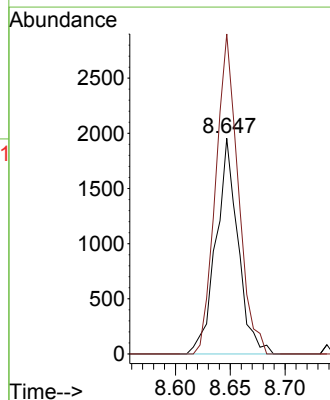
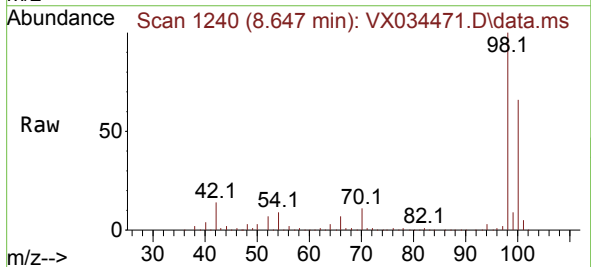
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

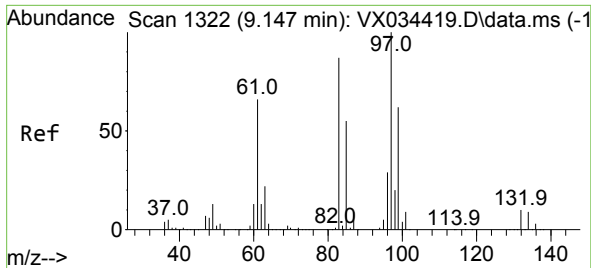
Tgt Ion: 98 Resp: 505073
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.601 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 43 Resp: 2731
Ion Ratio Lower Upper
43 100
58 151.8 30.6 46.0#

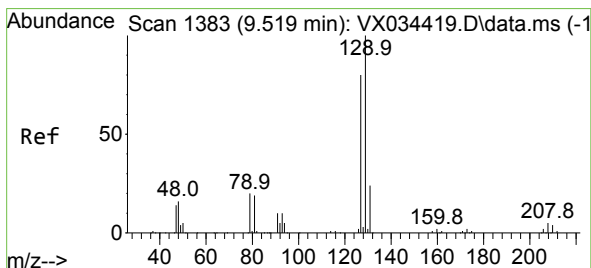
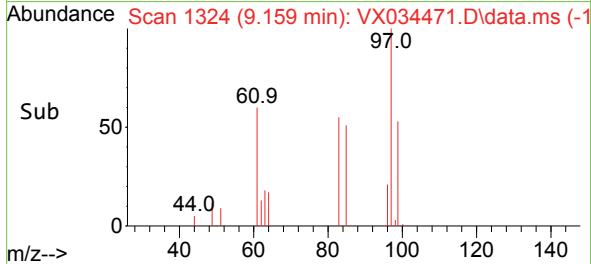
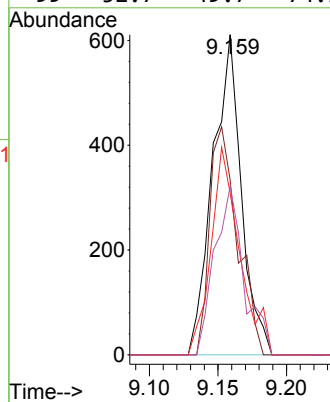
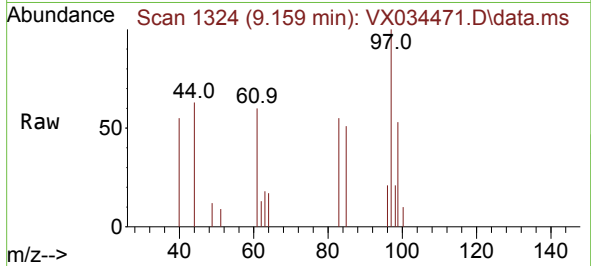




#55
1,1,2-Trichloroethane
Concen: 0.291 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

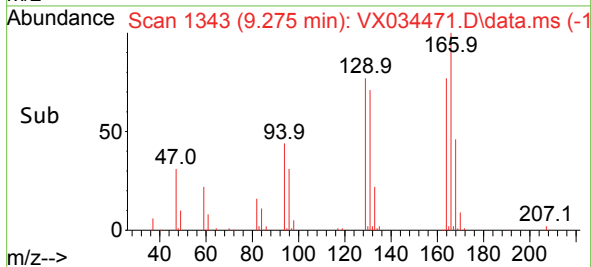
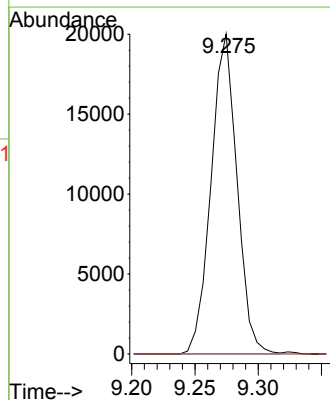
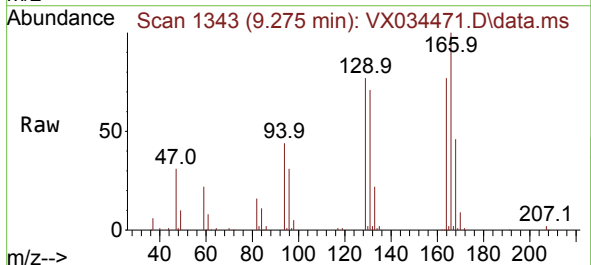
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

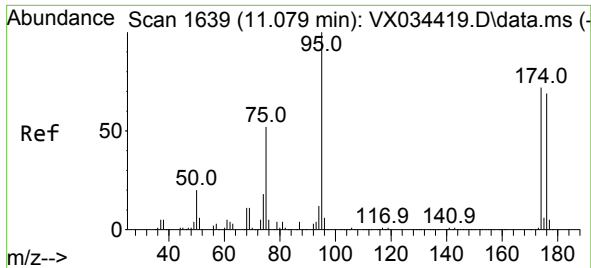
Tgt Ion: 97 Resp: 887
Ion Ratio Lower Upper
97 100
83 54.7 69.7 104.5#
85 50.6 43.7 65.5
99 52.7 49.7 74.5



#60
Dibromochloromethane
Concen: 8.946 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion:129 Resp: 28559
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

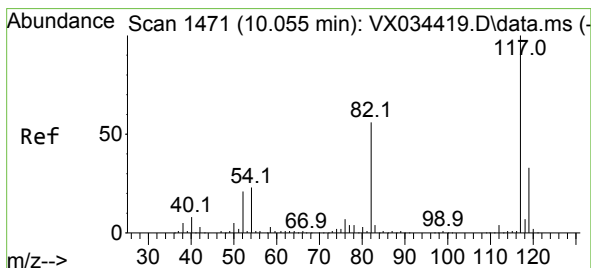
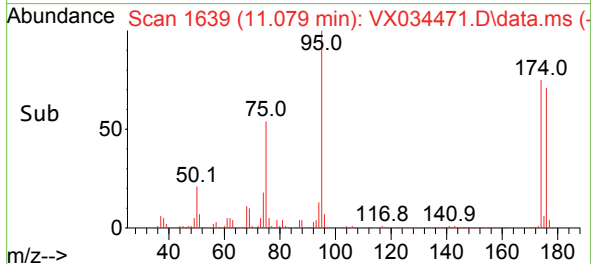
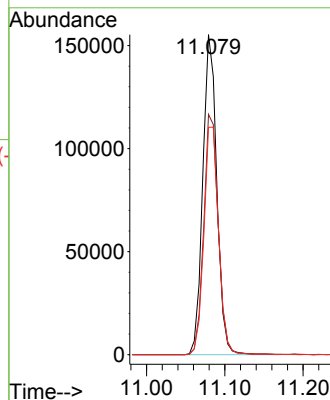
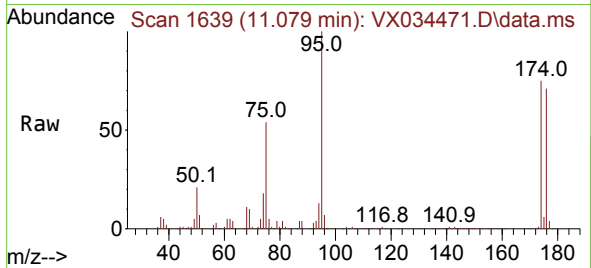




#62
4-Bromofluorobenzene
Concen: 46.356 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

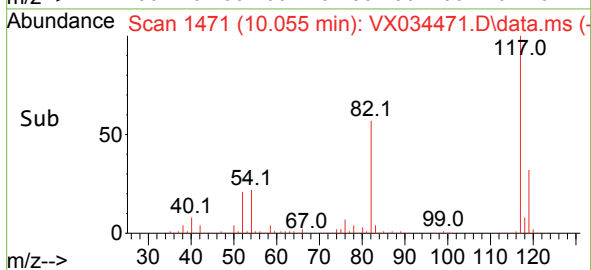
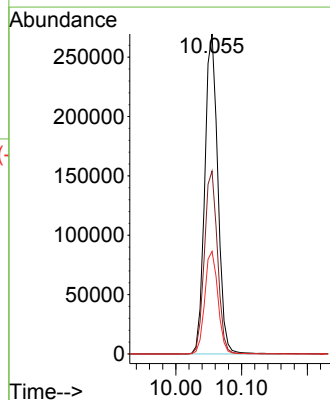
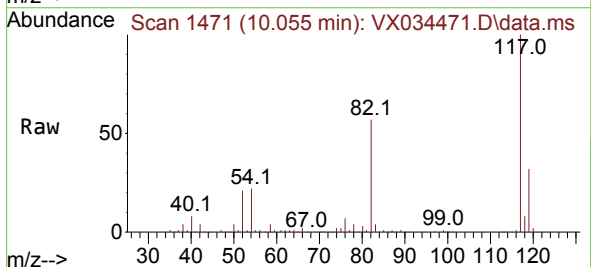
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

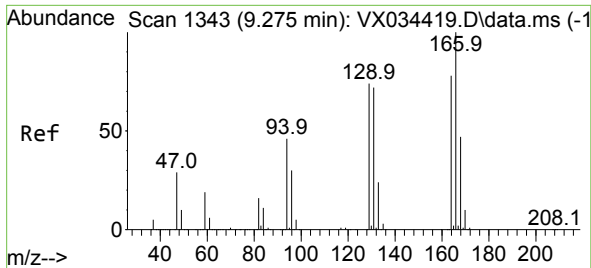
Tgt Ion: 95 Resp: 192726
Ion Ratio Lower Upper
95 100
174 77.9 0.0 147.4
176 75.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion: 117 Resp: 372439
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.4
119 32.1 26.0 39.0

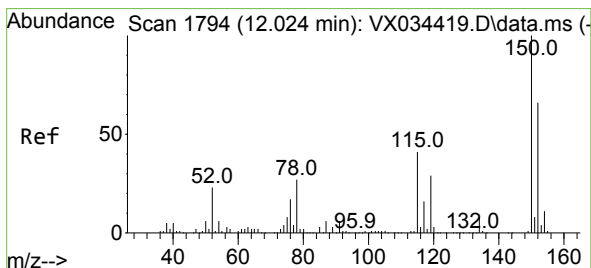
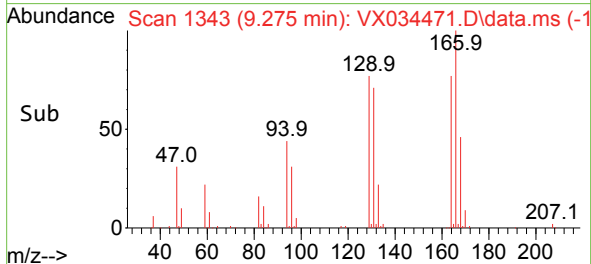
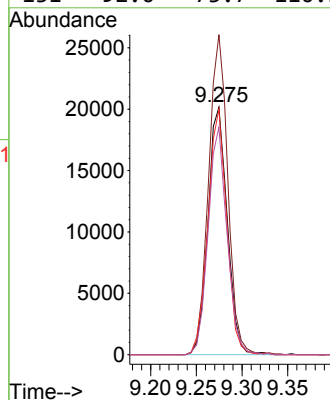
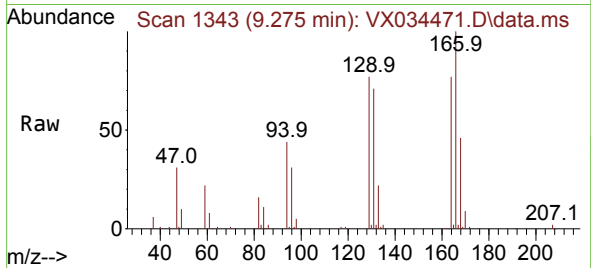




#64
Tetrachloroethene
Concen: 11.818 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

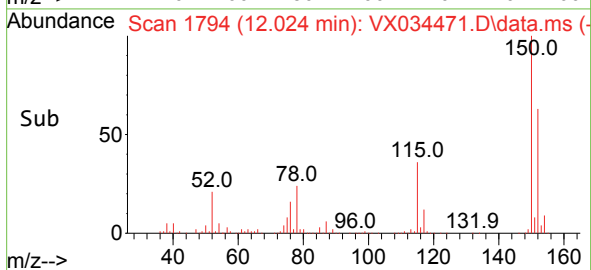
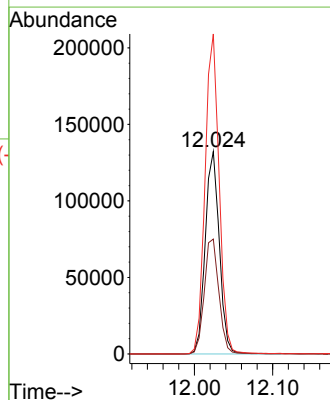
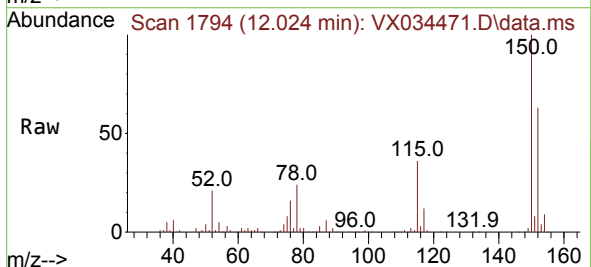
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20230310

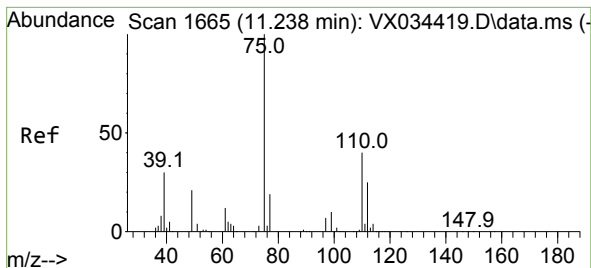
Tgt Ion:164	Resp:	29567
Ion	Ratio	Lower Upper
164	100	
166	129.3	102.7 154.1
129	99.3	75.6 113.4
131	92.0	73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034471.D
Acq: 14 Mar 2023 17:41

Tgt Ion:152	Resp:	165234
Ion	Ratio	Lower Upper
152	100	
115	59.0	45.0 135.0
150	157.5	0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 26.404 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034471.D

Acq: 14 Mar 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

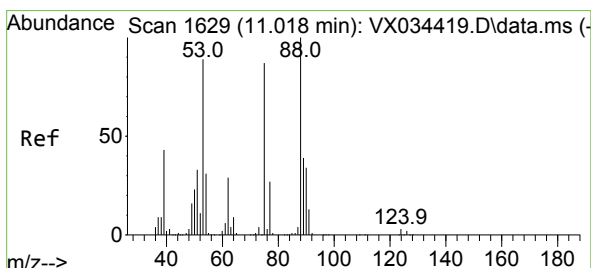
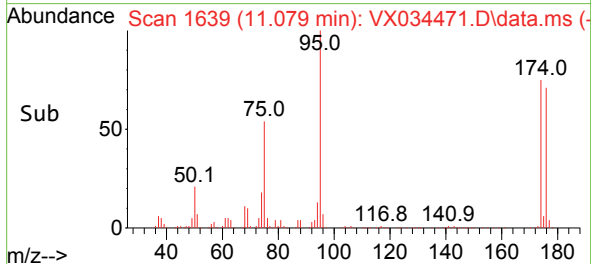
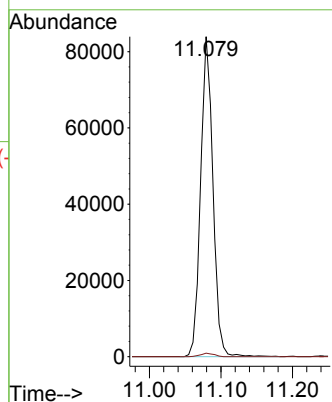
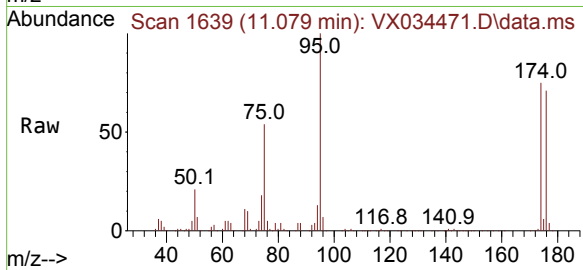
RE125D2-20230310

Tgt Ion: 75 Resp: 100175

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.430 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034471.D

Acq: 14 Mar 2023 17:41

Tgt Ion: 75 Resp: 100175

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

