

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034472.D
 Acq On : 14 Mar 2023 18:04
 Operator : JC/MD
 Sample : 01880-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20230310

Quant Time: Mar 15 06:51:15 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	5.550	168	255182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	432918	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	382230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	166759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	165696	44.633	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.260%		
35) Dibromofluoromethane	5.385	113	134302	46.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.980%		
50) Toluene-d8	8.647	98	524419	49.147	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.300%		
62) 4-Bromofluorobenzene	11.079	95	193831	44.972	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	757	0.318	ug/l	100
3) Chloromethane	1.294	50	831	Below Cal	#	42
8) Diethyl Ether	2.331	74	400	0.225	ug/l #	13
9) 1,1,2-Trichlorotrifluo...	2.331	101	338988	119.507	ug/l	98
11) Tert butyl alcohol	2.947	59	307	0.397	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	3271	1.171	ug/l	89
16) Acetone	2.373	43	995	0.569	ug/l #	86
27) cis-1,2-Dichloroethene	4.489	96	5904	1.653	ug/l	87
30) Chloroform	5.105	83	1533	0.269	ug/l	92
31) Cyclohexane	5.550	56	5649	1.085	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	20557	4.682	ug/l #	49
38) Carbon Tetrachloride	5.672	117	1188	0.272	ug/l	91
39) Methylcyclohexane	7.117	83	4685	0.892	ug/l #	1
44) Trichloroethene	7.123	130	400200	119.930	ug/l	99
45) 1,2-Dichloropropane	7.446	63	799	0.238	ug/l #	69
49) 1,4-Dioxane	7.677	88	744	9.065	ug/l #	73
51) 4-Methyl-2-Pentanone	8.647	43	2596	0.551	ug/l #	1
60) Dibromochloromethane	9.275	129	31554	9.534	ug/l #	10
64) Tetrachloroethene	9.275	164	32679	12.728	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	101538	26.518	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	101538	71.740	ug/l #	8

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

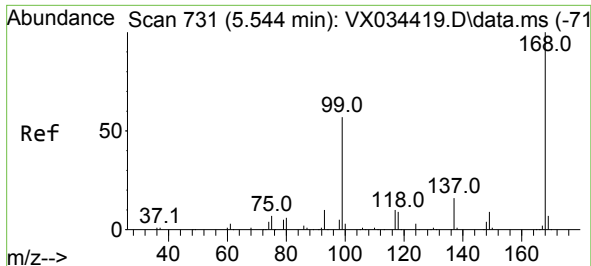
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

Abundance

TIC: VX034472.D\data.ms

Time-->

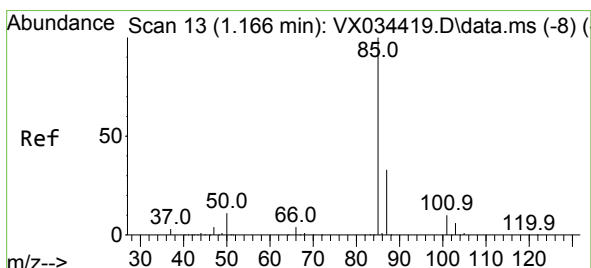
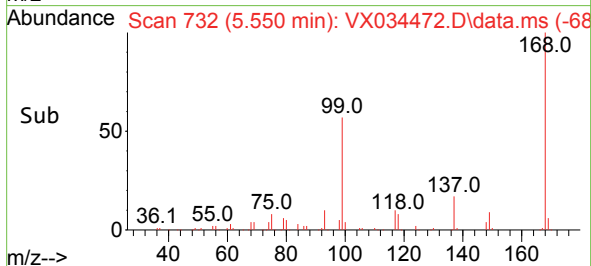
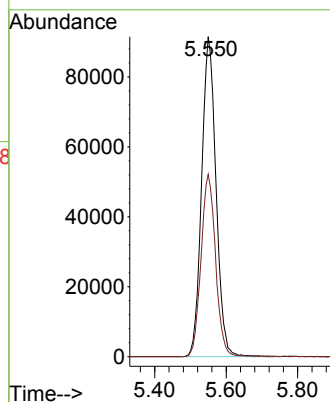
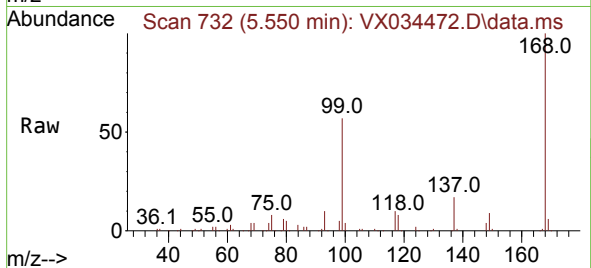
Retention Time (min)	Compound
~1.0	Dichlorodifluoromethane, T
~2.1	Acetone, T
~2.5	1,1-Dichloroethene, CM
~2.6	1,1-Dichloroethene, T
~2.8	Tert butyl alcohol, T
~4.5	cis-1,2-Dichloroethene, T
~5.1	Chloroform, C
~5.4	Dibromodifluoromethane, S
~5.5	1,1,2,2-Tetrafluoroethane, T
~5.6	Carbon Tetrachloride, T
~5.8	1,2-Dichloroethane-d4, S
~6.8	1,4-Difluorobenzene, I
~7.1	Trichlorobenzene, T
~7.5	1,2-Dichloropropane, C
~7.6	1,4-Dioxane, T
~8.7	4-Methyl-2-Pentanone, T
~9.3	1,2-Dichloroethane, T
~10.1	Chlorobenzene-d5, I
~11.1	1,3,5-Trichlorobenzene, T
~11.2	1,3,5-Trichlorobenzene, S
~12.1	1,4-Dichlorobenzene-d4, I



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

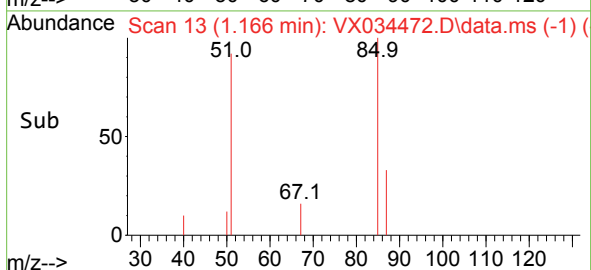
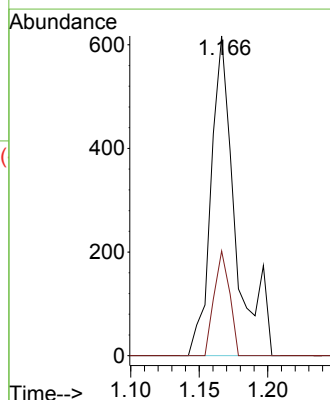
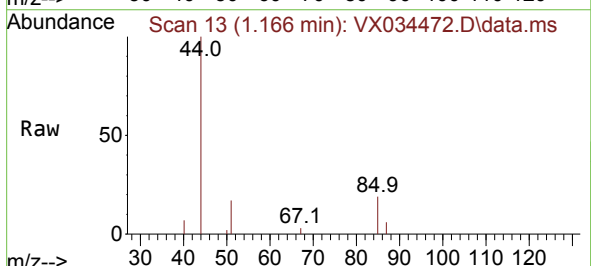
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

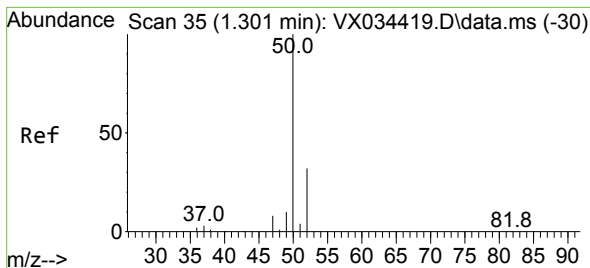
Tgt Ion:168 Resp: 255182
Ion Ratio Lower Upper
168 100
99 57.0 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.318 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion: 85 Resp: 757
Ion Ratio Lower Upper
85 100
87 32.7 16.4 49.1





#3

Chloromethane

Concen: Below Cal

RT: 1.294 min Scan# 34

Delta R.T. -0.007 min

Lab File: VX034472.D

Acq: 14 Mar 2023 18:04

Instrument :

MSVOA_X

ClientSampleId :

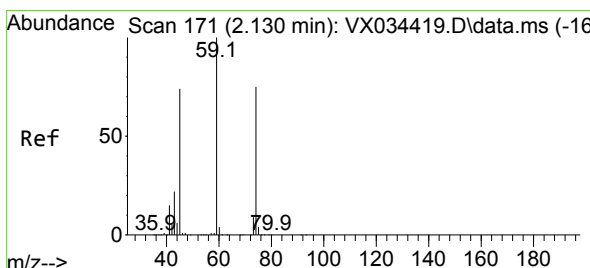
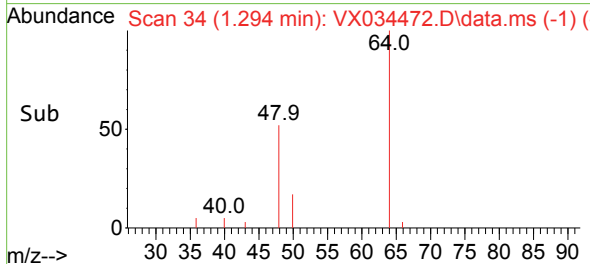
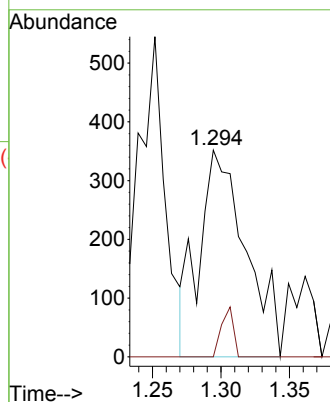
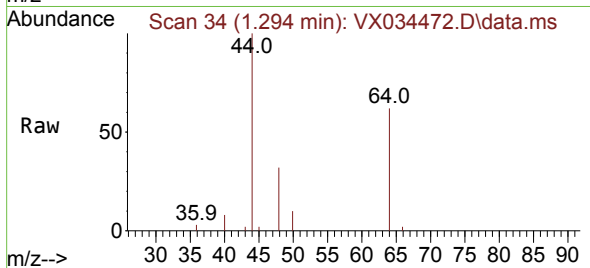
RE125D3-20230310

Tgt Ion: 50 Resp: 831

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#8

Diethyl Ether

Concen: 0.225 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.201 min

Lab File: VX034472.D

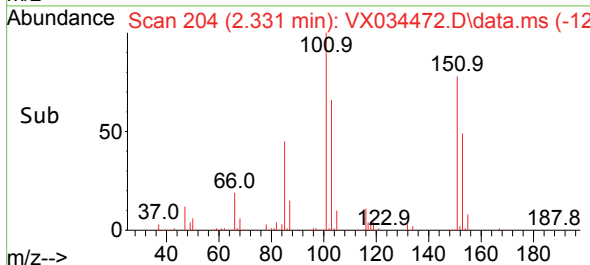
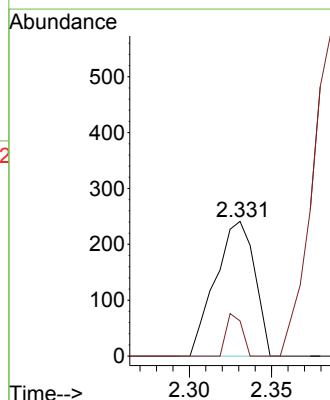
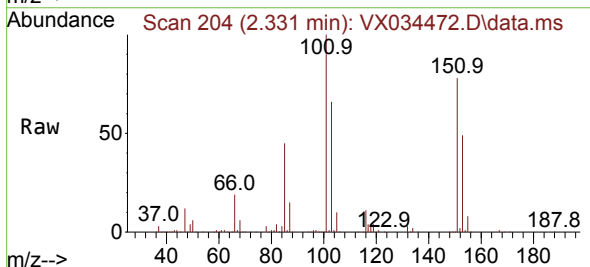
Acq: 14 Mar 2023 18:04

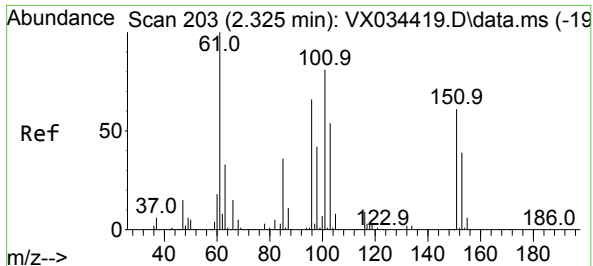
Tgt Ion: 74 Resp: 400

Ion Ratio Lower Upper

74 100

45 12.8 49.8 149.3#

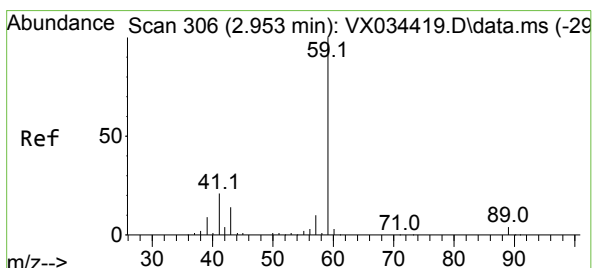
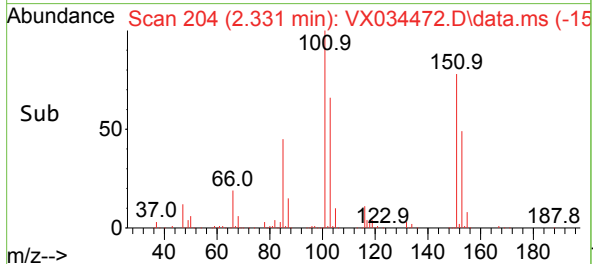
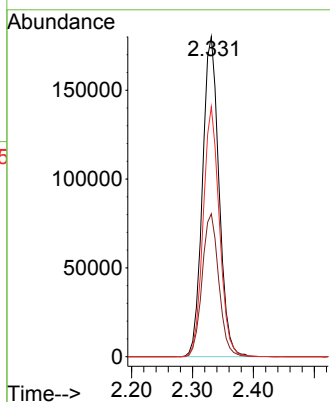
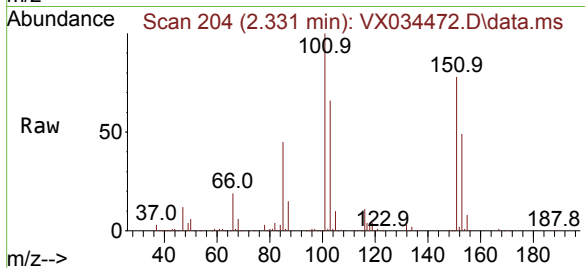




#9
1,1,2-Trichlorotrifluoroethane
Concen: 119.507 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

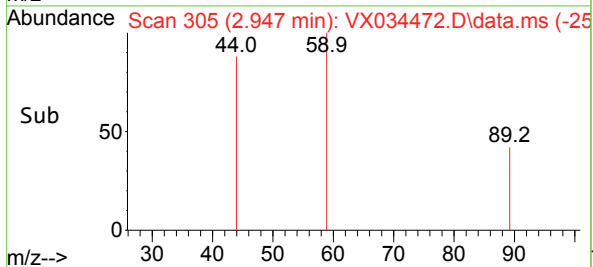
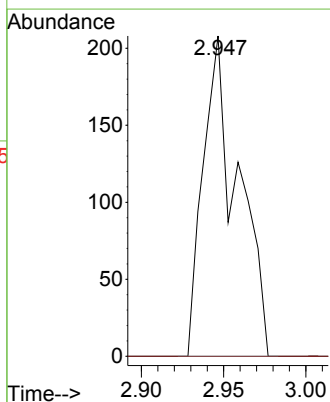
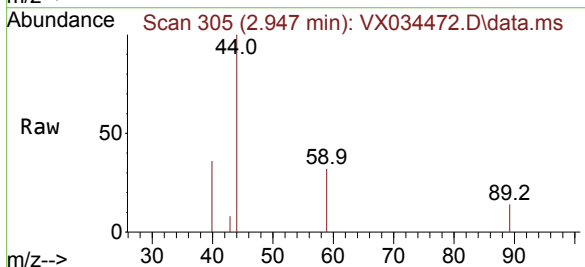
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

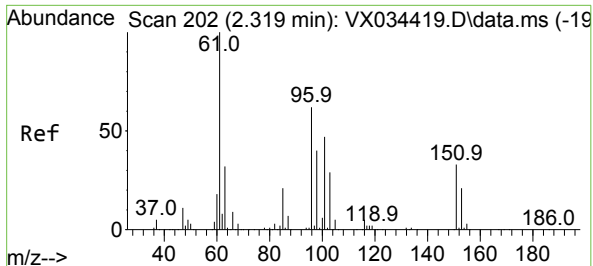
Tgt Ion:101 Resp: 338988
Ion Ratio Lower Upper
101 100
85 45.1 35.4 53.2
151 76.8 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.397 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

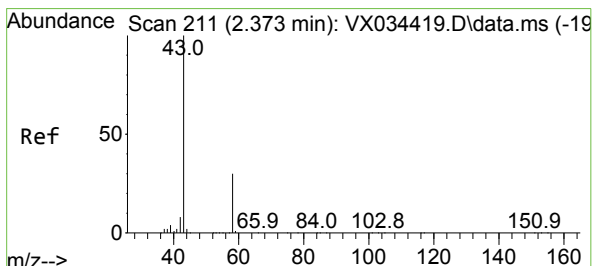
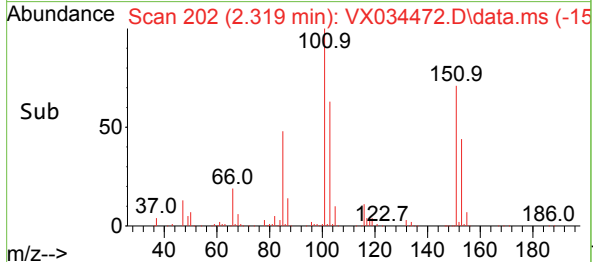
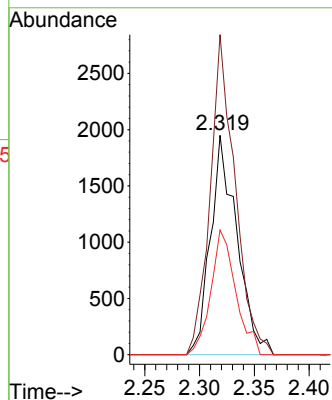
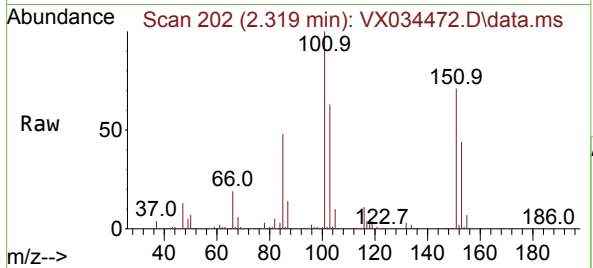




#12
1,1-Dichloroethene
Concen: 1.171 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

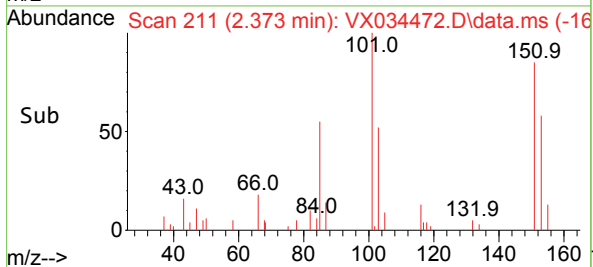
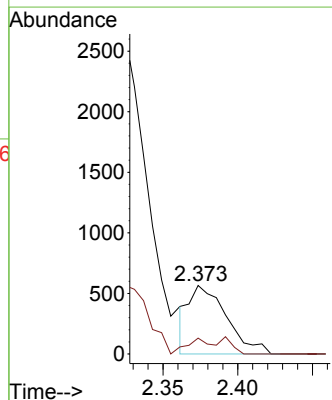
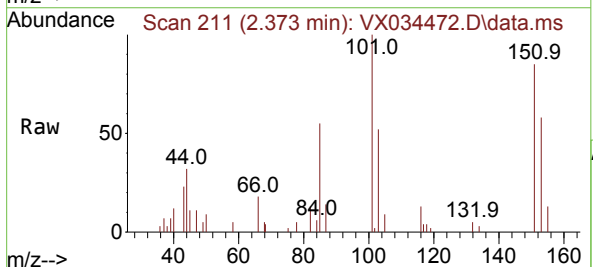
Instrument :
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ClientSampleId :
RE125D3-20230310

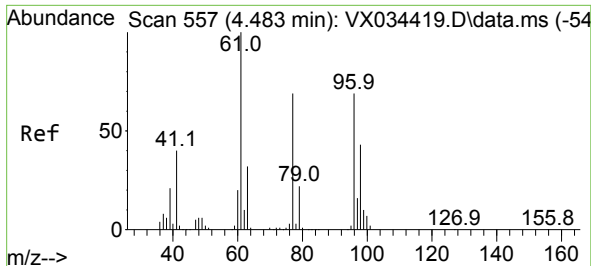
Tgt Ion: 96 Resp: 3271
Ion Ratio Lower Upper
96 100
61 145.8 128.8 193.2
98 56.8 51.4 77.0



#16
Acetone
Concen: 0.569 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
58 23.2 24.7 37.1#





#27

cis-1,2-Dichloroethene

Concen: 1.653 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX034472.D

Acq: 14 Mar 2023 18:04

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20230310

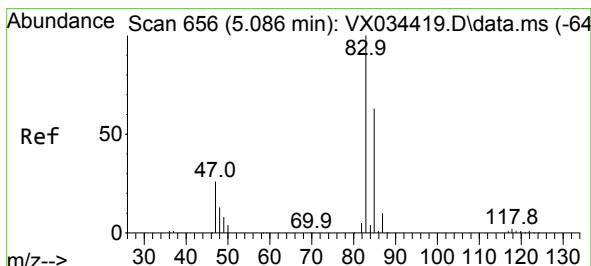
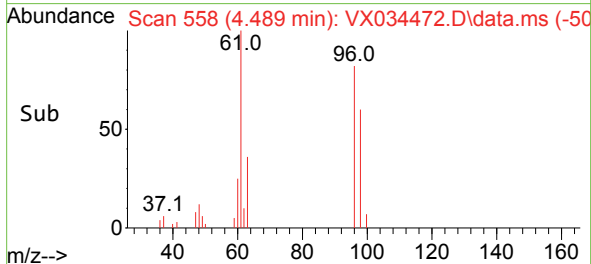
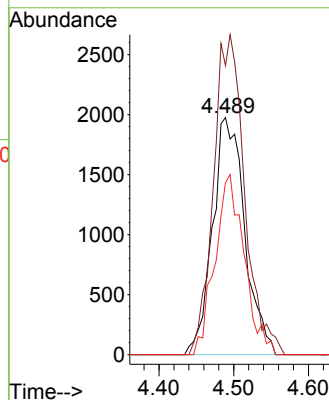
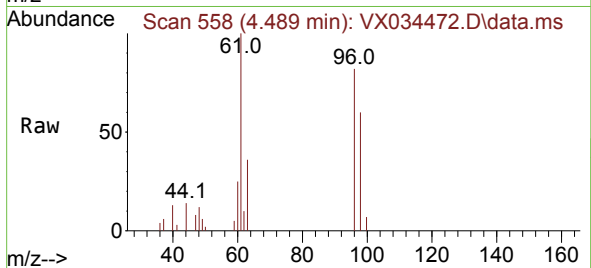
Tgt Ion: 96 Resp: 5904

Ion Ratio Lower Upper

96 100

61 130.4 0.0 300.4

98 69.3 0.0 129.0



#30

Chloroform

Concen: 0.269 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.018 min

Lab File: VX034472.D

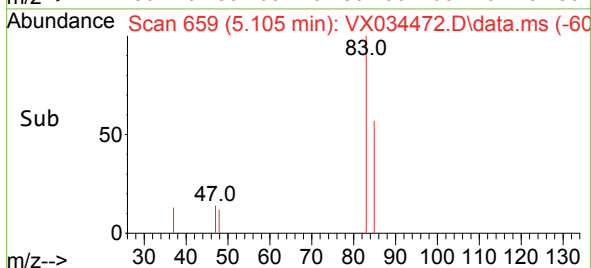
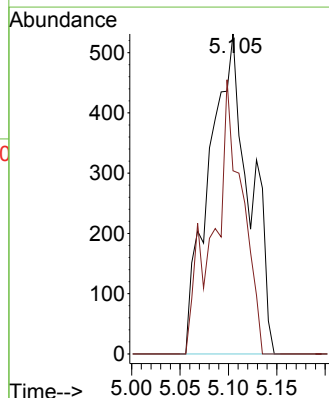
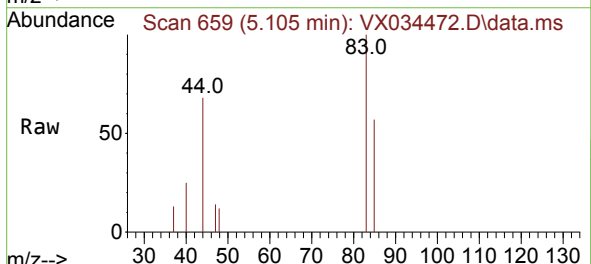
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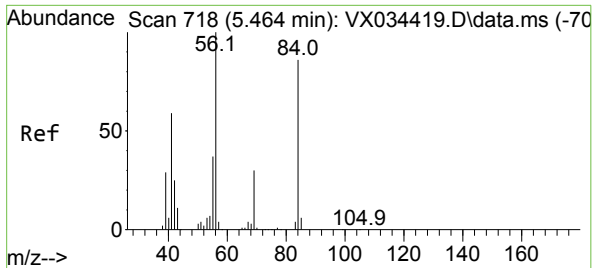
Tgt Ion: 83 Resp: 1533

Ion Ratio Lower Upper

83 100

85 57.3 50.6 76.0

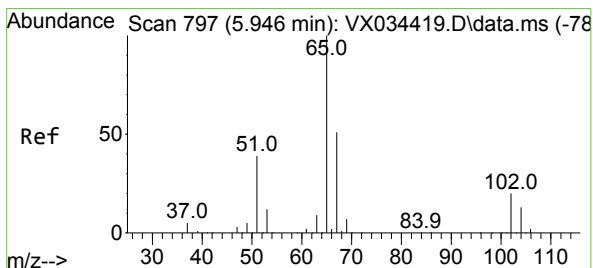
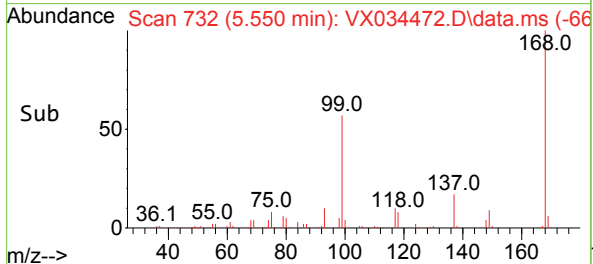
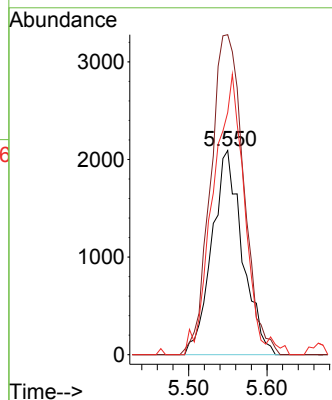
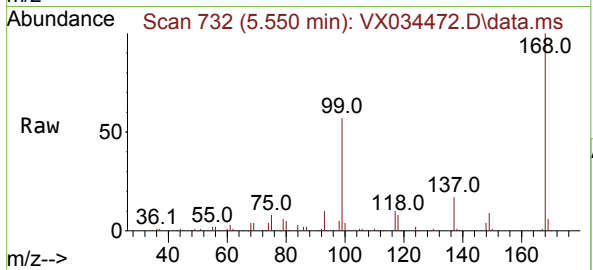




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

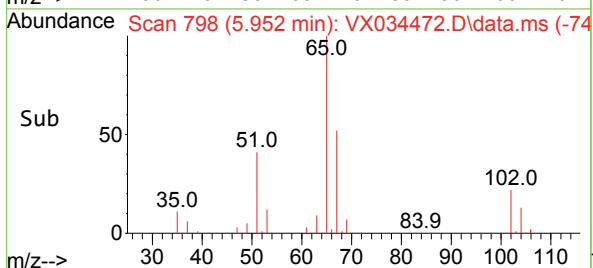
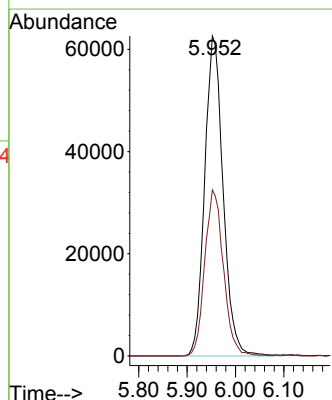
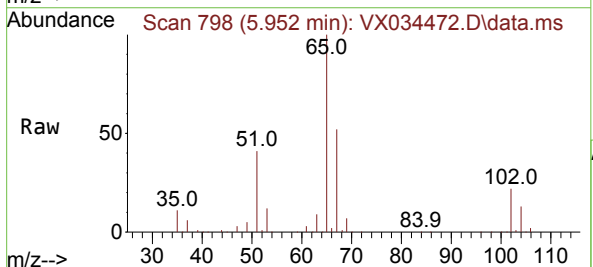
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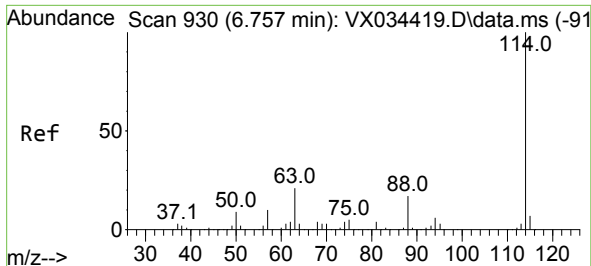
Tgt Ion: 56 Resp: 5649
Ion Ratio Lower Upper
56 100
69 156.8 23.7 35.5#
84 118.7 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 44.633 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion: 65 Resp: 165696
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0

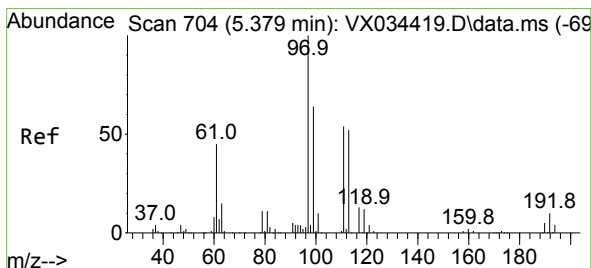
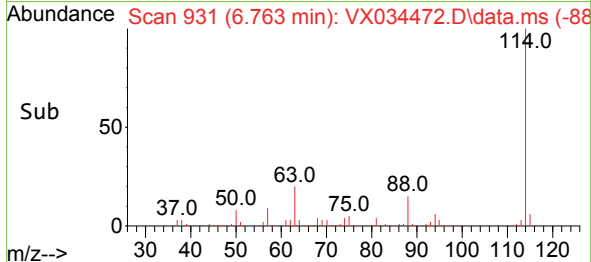
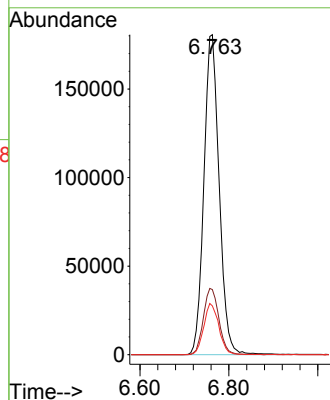
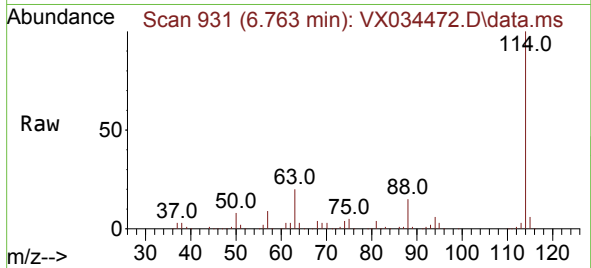




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

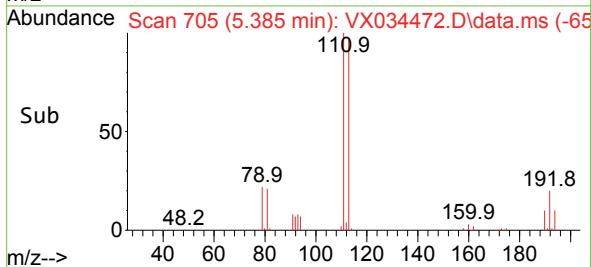
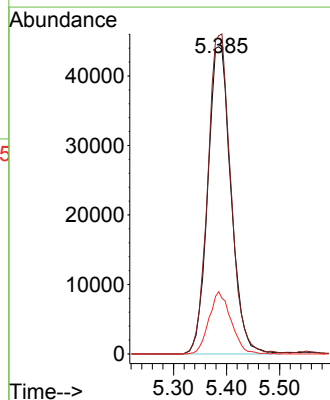
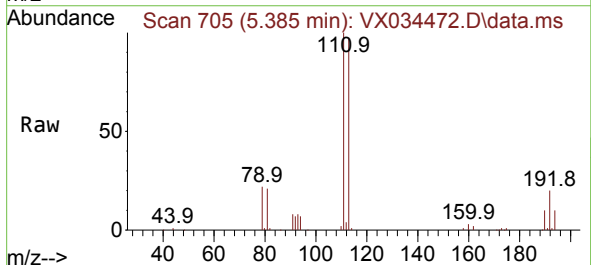
Instrument :
MSVOA_X
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RE125D3-20230310

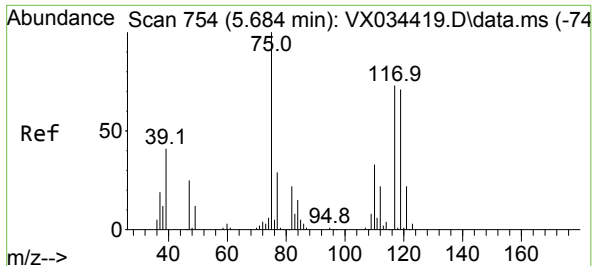
Tgt Ion:114 Resp: 432918
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.2
88 15.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 46.986 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion:113 Resp: 134302
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 19.3 15.4 23.2

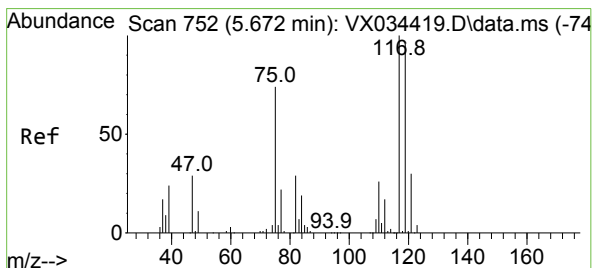
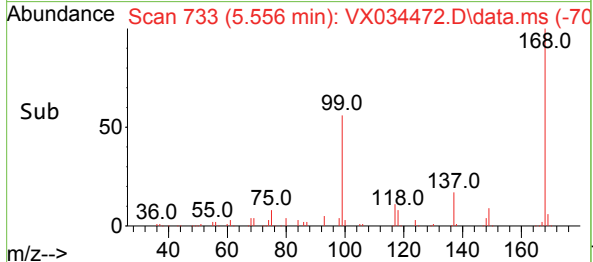
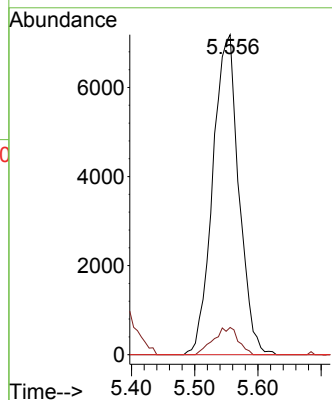
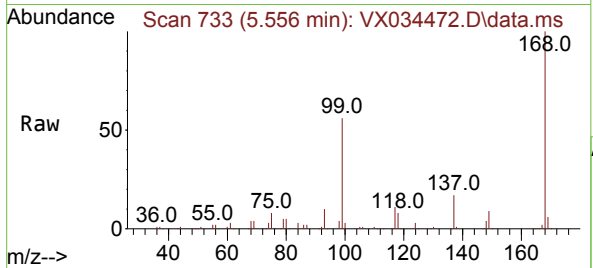




#36
1,1-Dichloropropene
Concen: 4.682 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

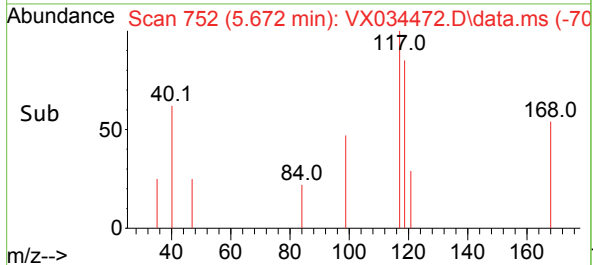
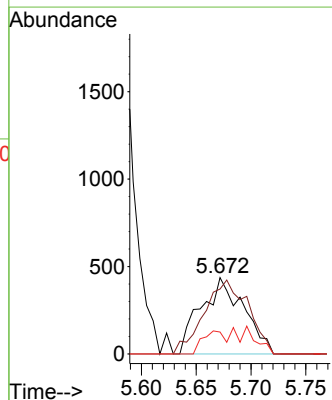
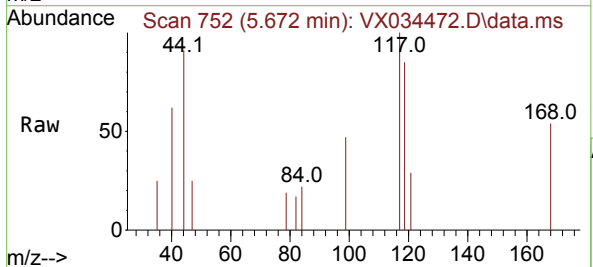
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

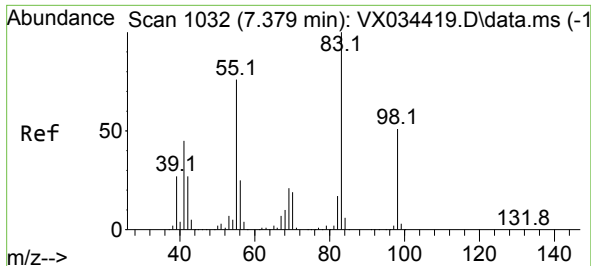
Tgt Ion: 75 Resp: 20557
Ion Ratio Lower Upper
75 100
110 8.1 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 0.272 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion: 117 Resp: 1188
Ion Ratio Lower Upper
117 100
119 85.1 76.6 114.8
121 28.7 23.8 35.6

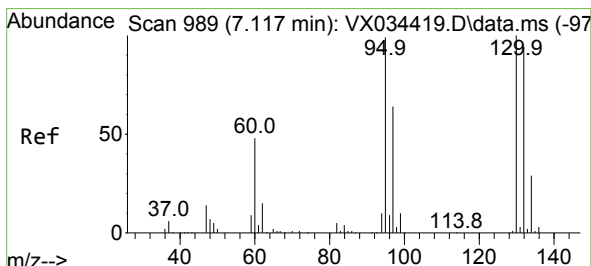
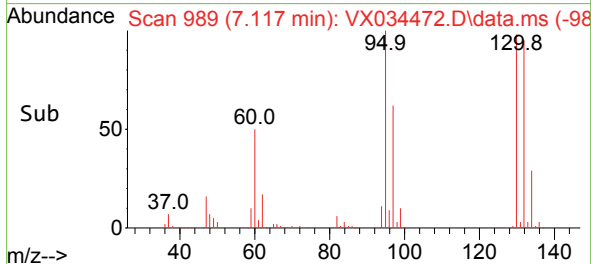
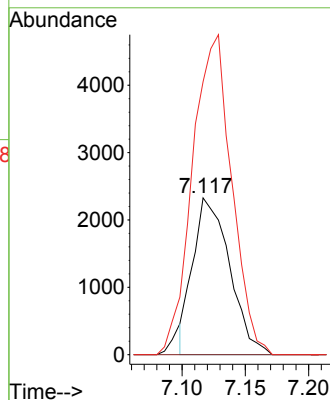
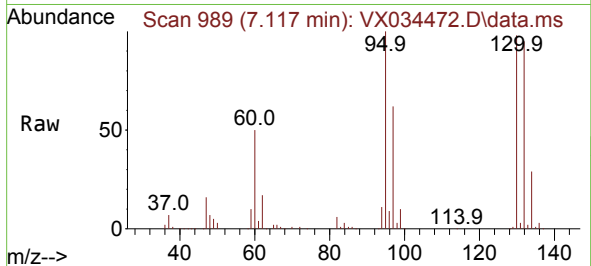




#39
Methylcyclohexane
Concen: 0.892 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.262 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

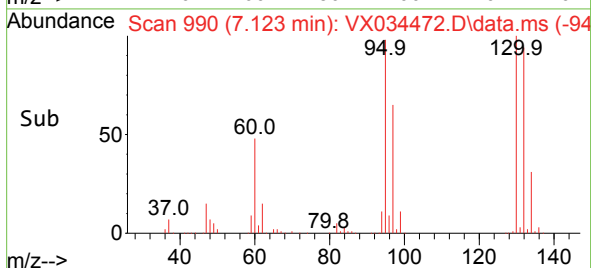
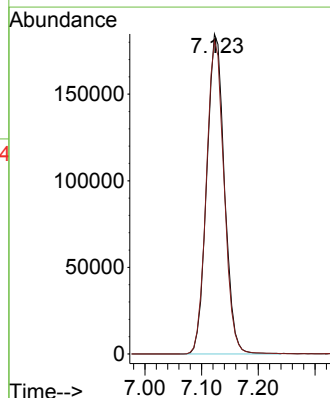
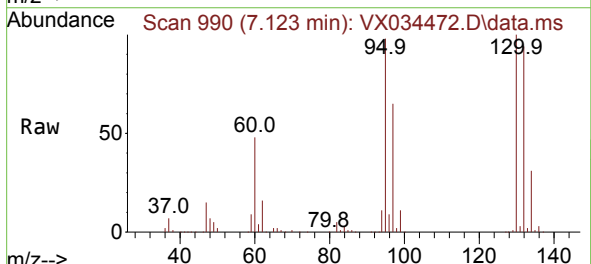
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

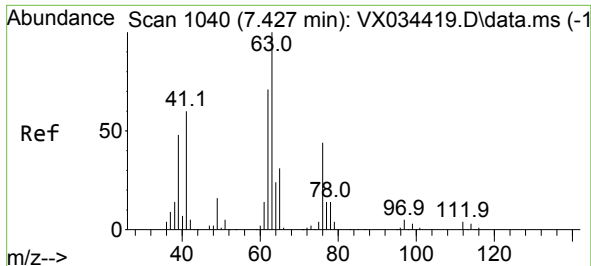
Tgt Ion: 83 Resp: 4685
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 174.0 40.4 60.6#



#44
Trichloroethene
Concen: 119.930 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion:130 Resp: 400200
Ion Ratio Lower Upper
130 100
95 97.8 0.0 198.4

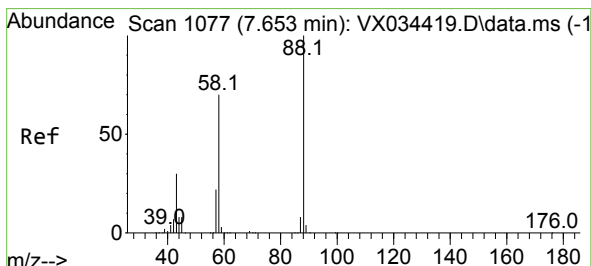
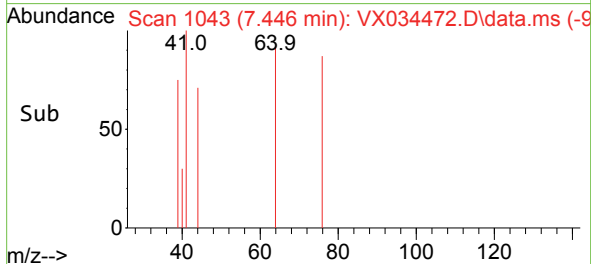
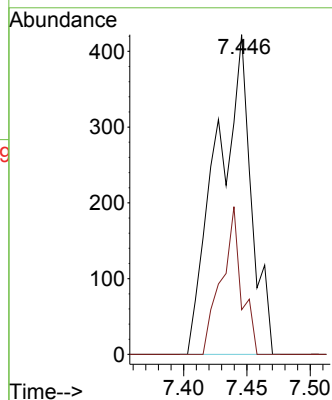
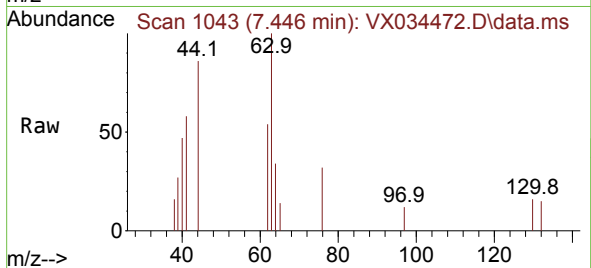




#45
1,2-Dichloropropane
Concen: 0.238 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. 0.018 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

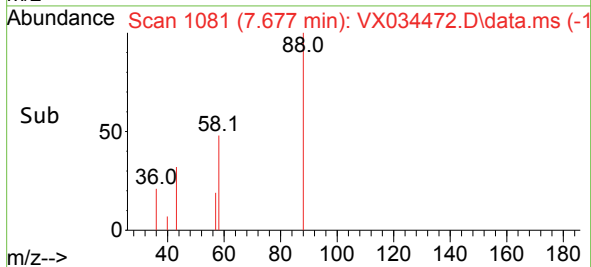
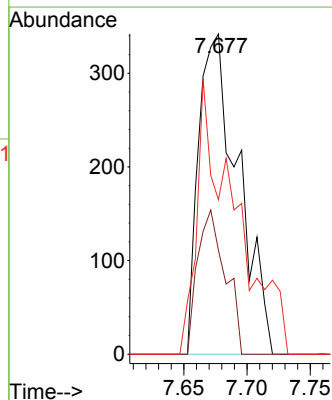
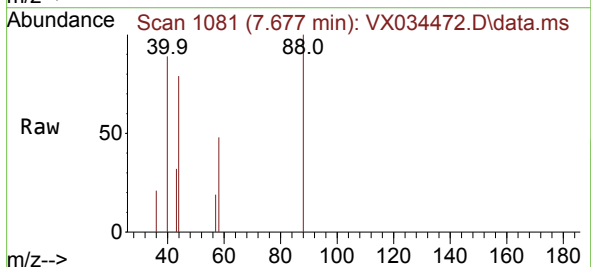
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

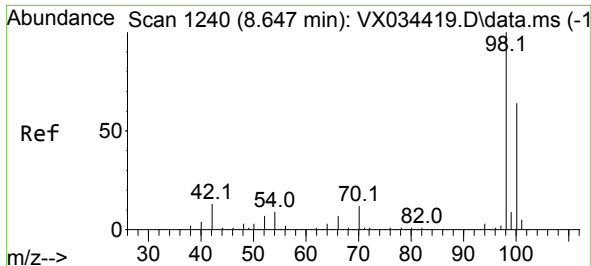
Tgt Ion: 63 Resp: 799
Ion Ratio Lower Upper
63 100
65 14.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 9.065 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.024 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion: 88 Resp: 744
Ion Ratio Lower Upper
88 100
43 31.6 27.7 41.5
58 39.8 56.8 85.2#

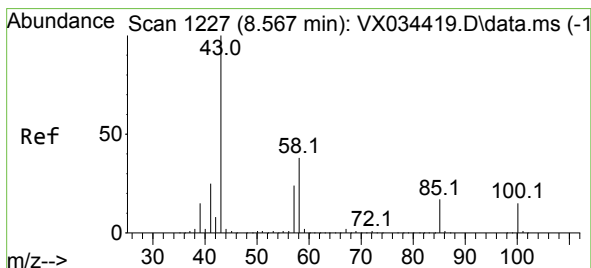
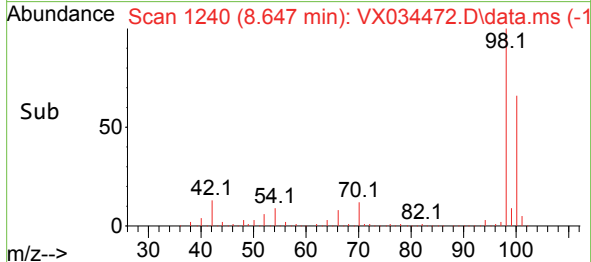
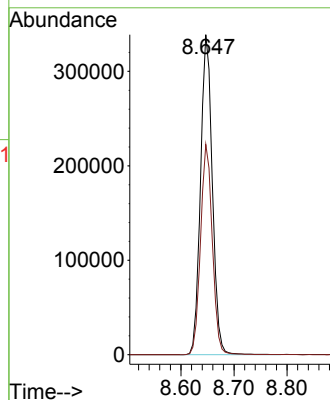
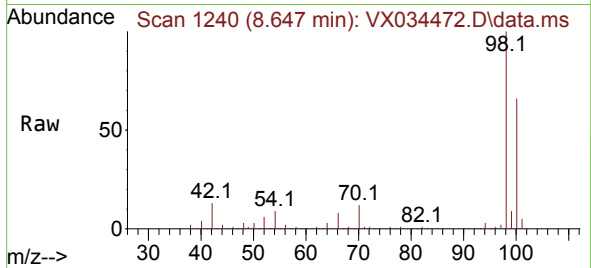




#50
Toluene-d8
Concen: 49.147 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

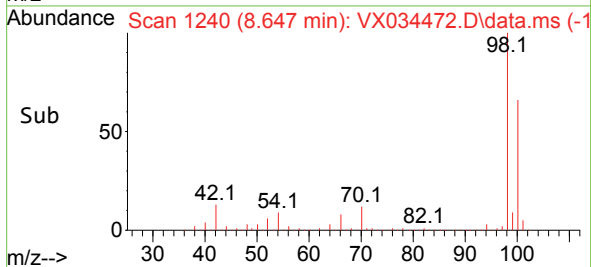
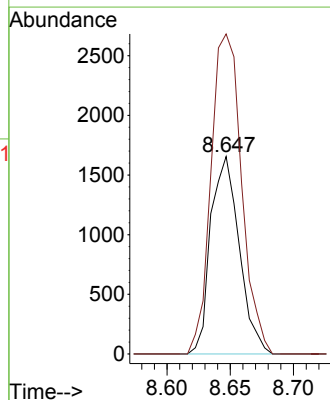
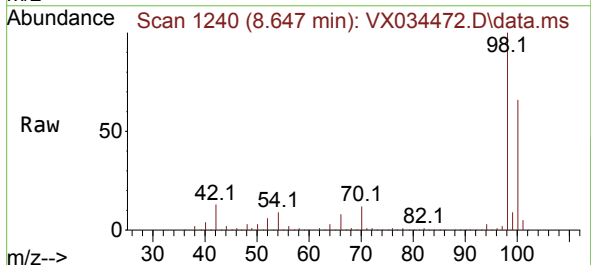
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

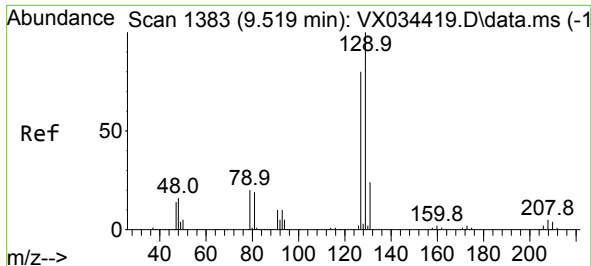
Tgt Ion: 98 Resp: 524419
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.551 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion: 43 Resp: 2596
Ion Ratio Lower Upper
43 100
58 174.1 30.6 46.0#

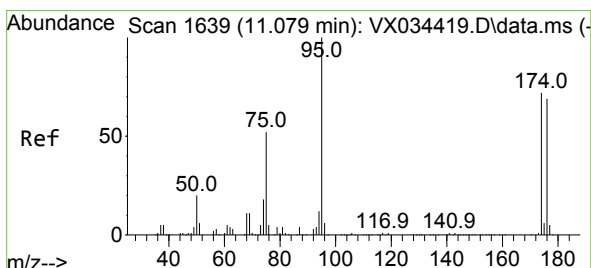
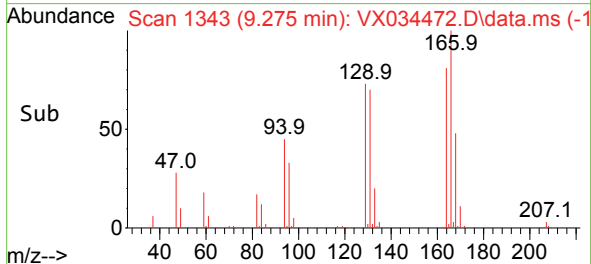
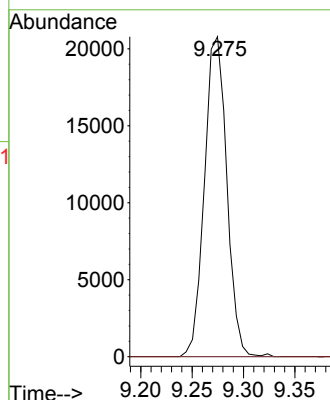
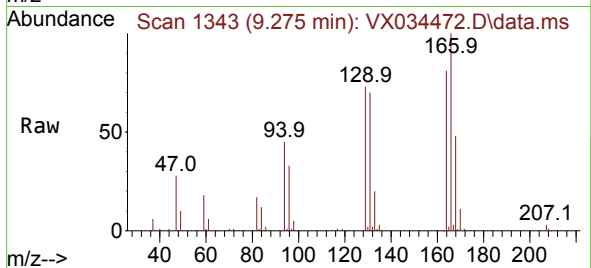




#60
Dibromochloromethane
Concen: 9.534 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

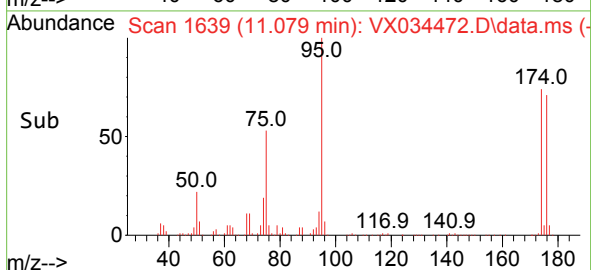
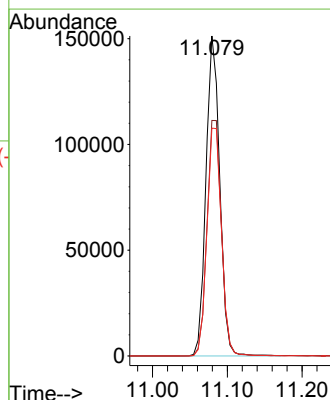
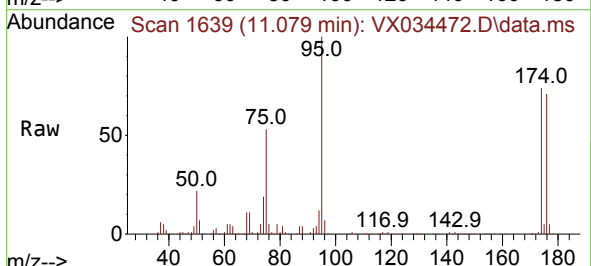
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

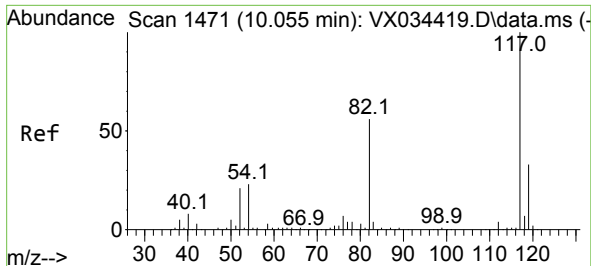
Tgt Ion:129 Resp: 31554
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 44.972 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion: 95 Resp: 193831
Ion Ratio Lower Upper
95 100
174 77.2 0.0 147.4
176 75.2 0.0 140.6

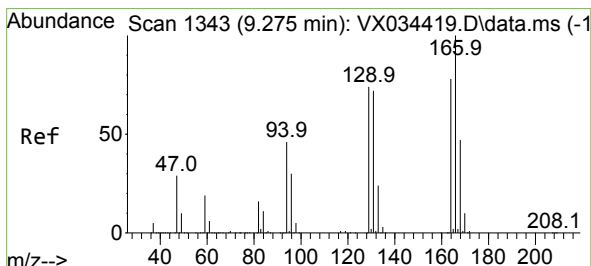
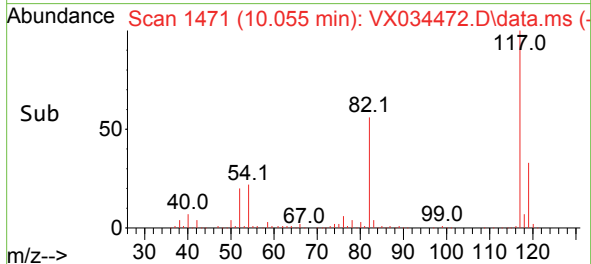
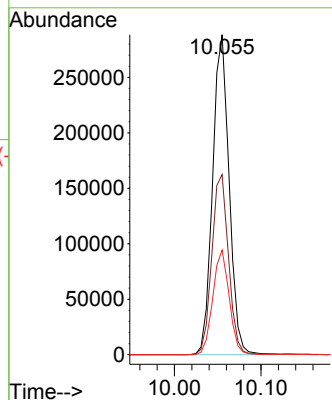
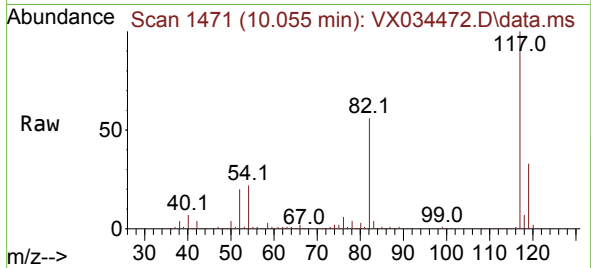




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

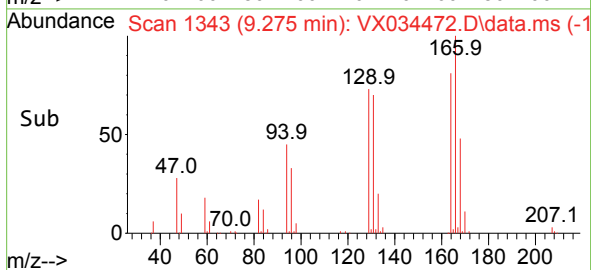
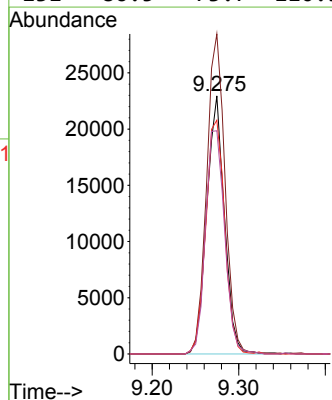
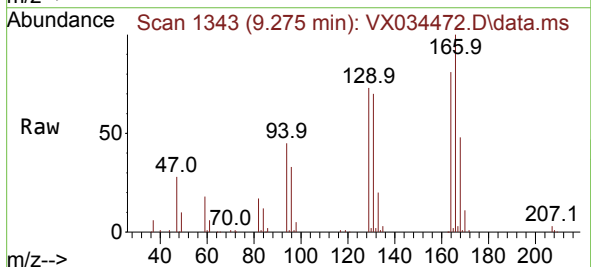
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

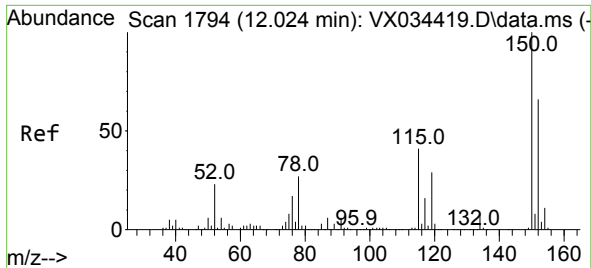
Tgt Ion:117 Resp: 382230
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.4
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 12.728 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034472.D
Acq: 14 Mar 2023 18:04

Tgt Ion:164 Resp: 32679
Ion Ratio Lower Upper
164 100
166 124.0 102.7 154.1
129 90.6 75.6 113.4
131 86.5 73.7 110.5

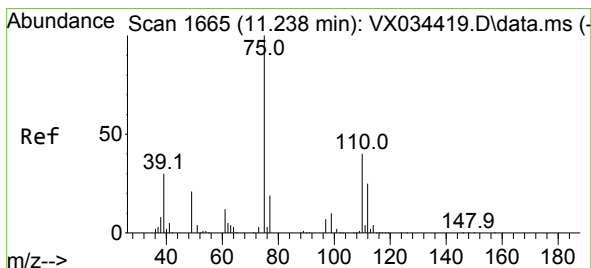
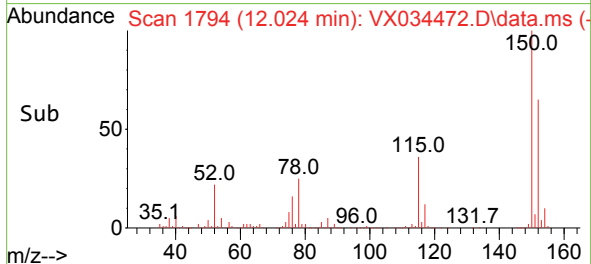
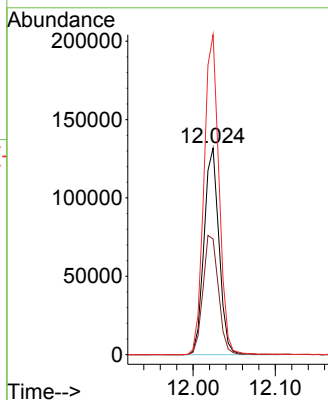
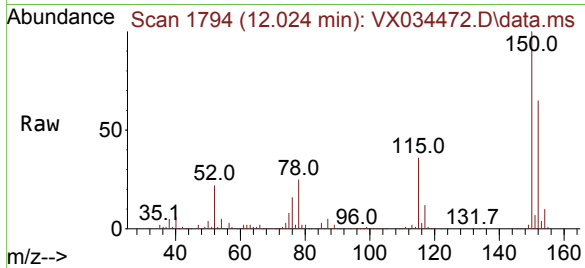




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034472.D
 Acq: 14 Mar 2023 18:04

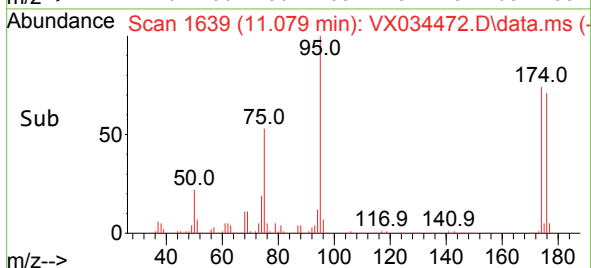
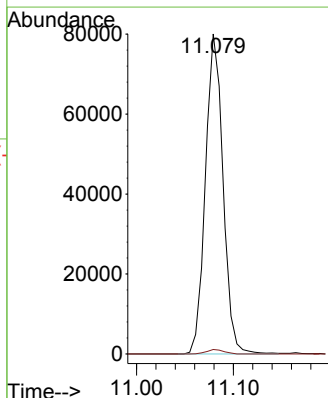
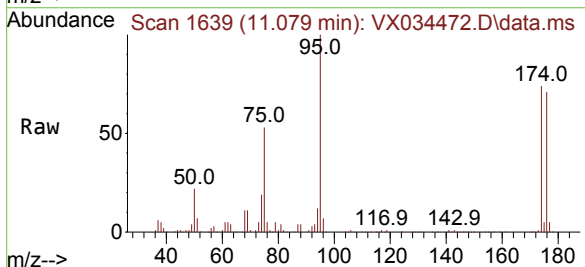
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20230310

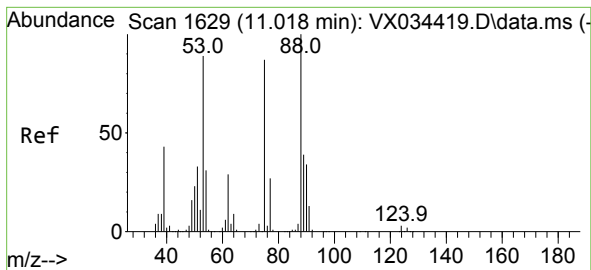
Tgt Ion:152 Resp: 166759
 Ion Ratio Lower Upper
 152 100
 115 59.6 45.0 135.0
 150 155.7 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 26.518 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX034472.D
 Acq: 14 Mar 2023 18:04

Tgt Ion: 75 Resp: 101538
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.740 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034472.D
 Acq: 14 Mar 2023 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20230310

Tgt Ion: 75 Resp: 101538
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

