

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034517.D
 Acq On : 15 Mar 2023 18:43
 Operator : JC/MD
 Sample : 01880-16RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20230310

Quant Time: Mar 16 05:22:54 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)

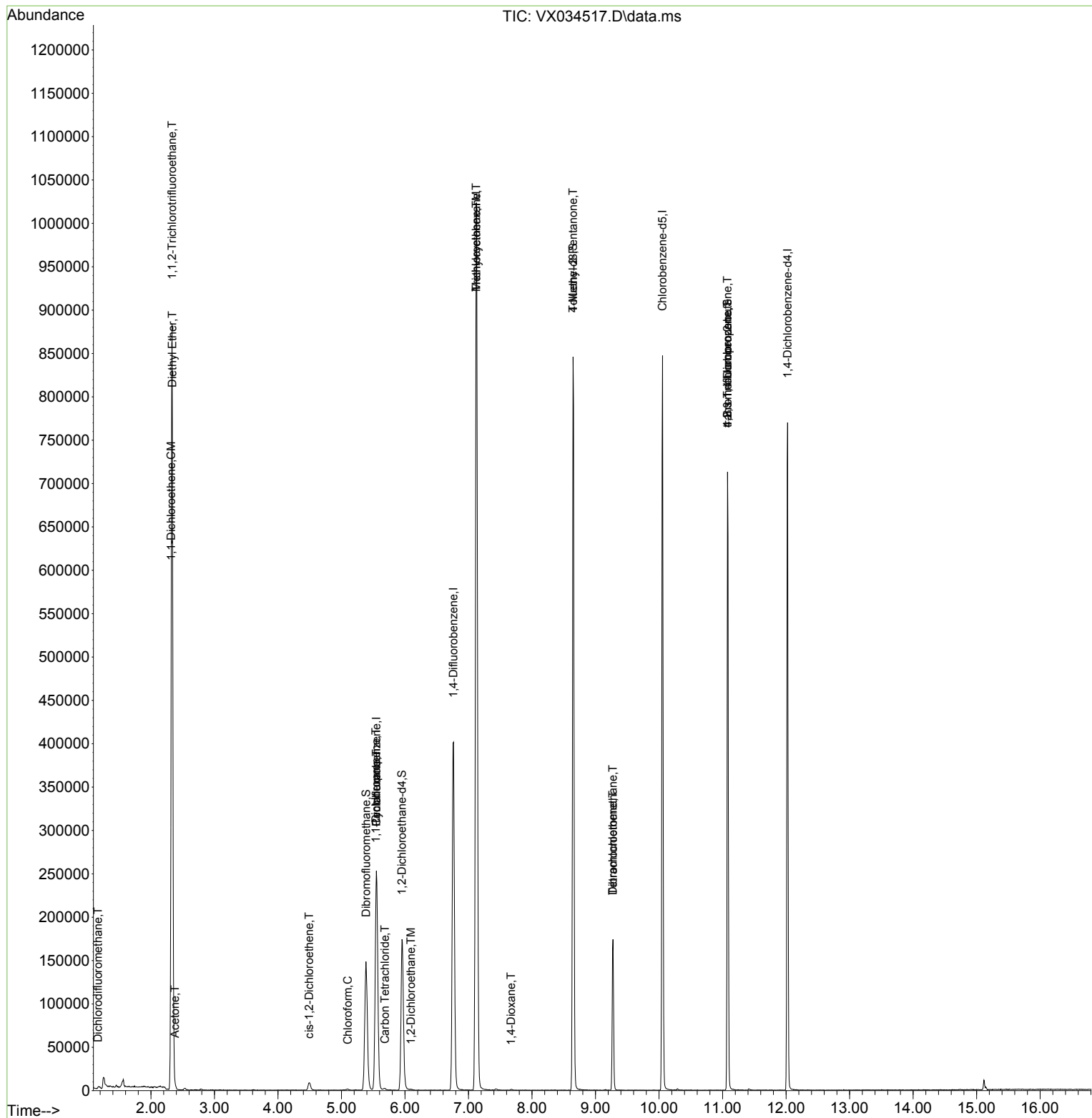
Internal Standards						
1) Pentafluorobenzene	5.549	168	239988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	409436	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	159895	45.798	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.600%
35) Dibromofluoromethane	5.385	113	127424	47.137	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.280%
50) Toluene-d8	8.646	98	493799	48.932	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.860%
62) 4-Bromofluorobenzene	11.079	95	184044	45.151	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	650	0.291	ug/l #	50
3) Chloromethane	1.312	50	256	Below Cal	#	42
8) Diethyl Ether	2.337	74	337	0.202	ug/l #	22
9) 1,1,2-Trichlorotrifluo...	2.330	101	341187	127.898	ug/l	99
12) 1,1-Dichloroethene	2.318	96	3242	1.234	ug/l	92
16) Acetone	2.379	43	974	0.592	ug/l #	85
27) cis-1,2-Dichloroethene	4.489	96	5821	1.733	ug/l	87
30) Chloroform	5.098	83	1591	0.297	ug/l	85
31) Cyclohexane	5.549	56	5479	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	19545	4.707	ug/l #	50
38) Carbon Tetrachloride	5.684	117	1383	0.335	ug/l	97
39) Methylcyclohexane	7.122	83	4865	0.979	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1028	0.230	ug/l #	75
44) Trichloroethene	7.122	130	388938	123.240	ug/l	99
49) 1,4-Dioxane	7.671	88	971	12.509	ug/l #	81
51) 4-Methyl-2-Pentanone	8.646	43	2479	0.556	ug/l #	1
60) Dibromochloromethane	9.274	129	30698	9.808	ug/l #	10
64) Tetrachloroethene	9.274	164	32516	13.408	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	96711	27.561	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	96711	74.560	ug/l #	8

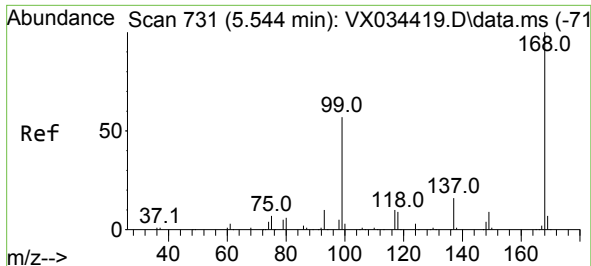
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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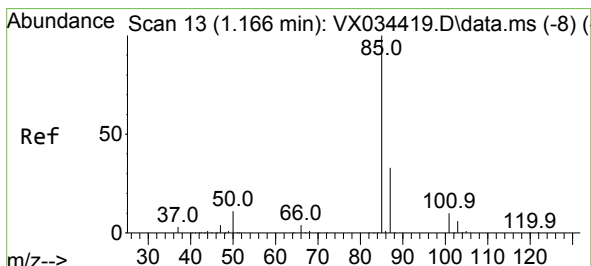
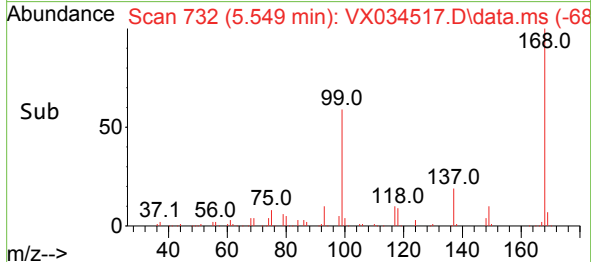
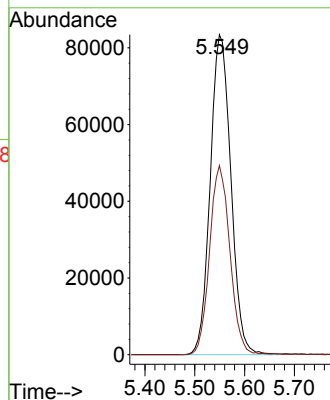
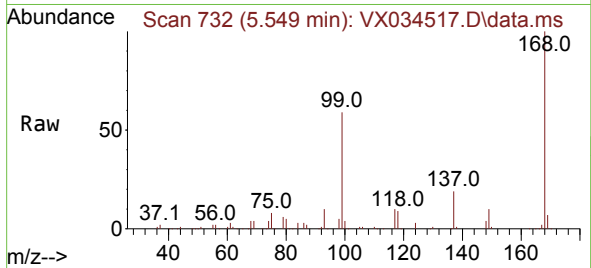




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

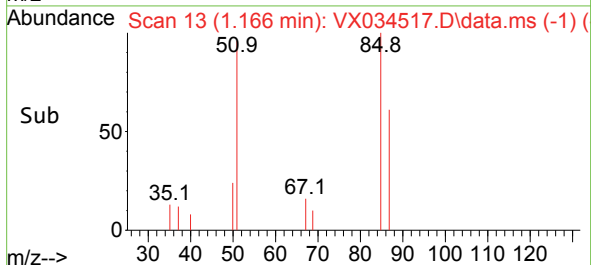
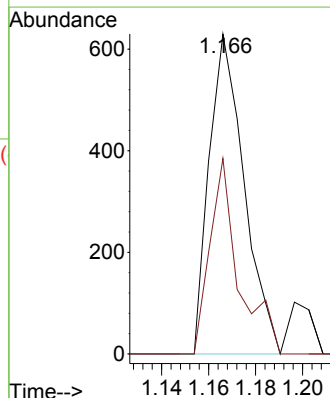
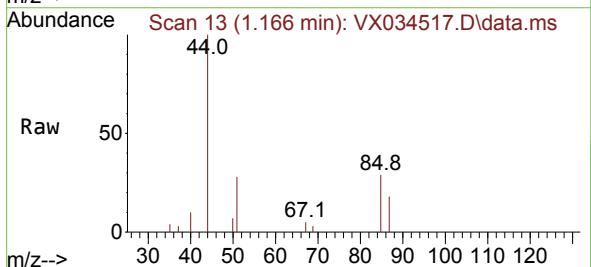
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

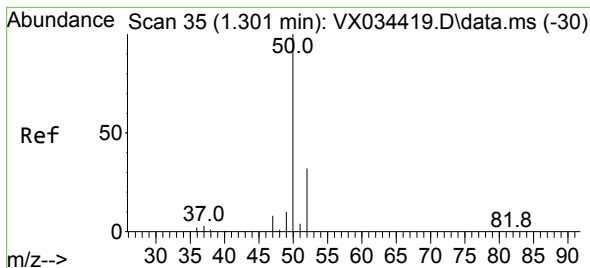
Tgt Ion:168 Resp: 239988
Ion Ratio Lower Upper
168 100
99 59.1 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.291 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 85 Resp: 650
Ion Ratio Lower Upper
85 100
87 61.1 16.4 49.1#





#3

Chloromethane

Concen: Below Cal

RT: 1.312 min Scan# 31

Delta R.T. 0.011 min

Lab File: VX034517.D

Acq: 15 Mar 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

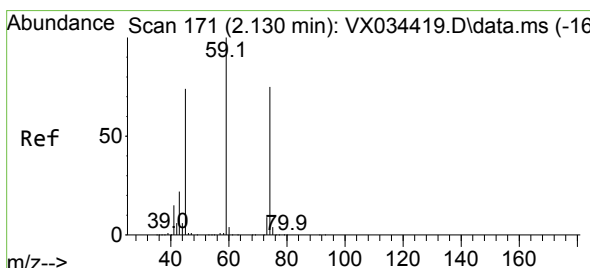
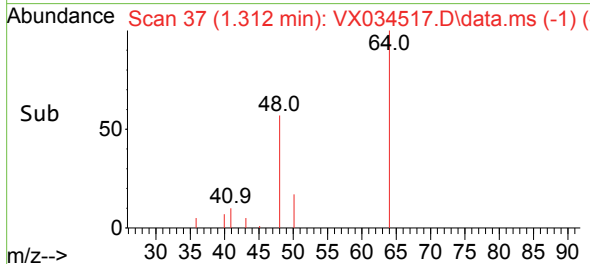
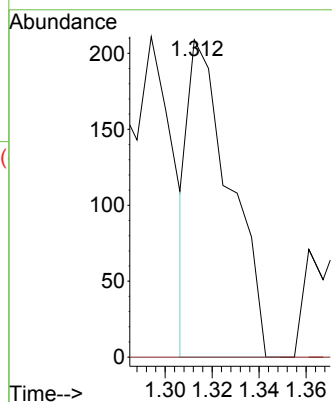
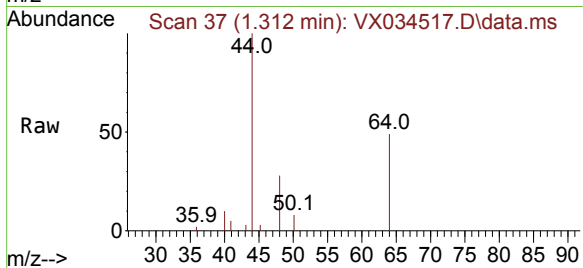
RE125D3-20230310

Tgt Ion: 50 Resp: 256

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#8

Diethyl Ether

Concen: 0.202 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.207 min

Lab File: VX034517.D

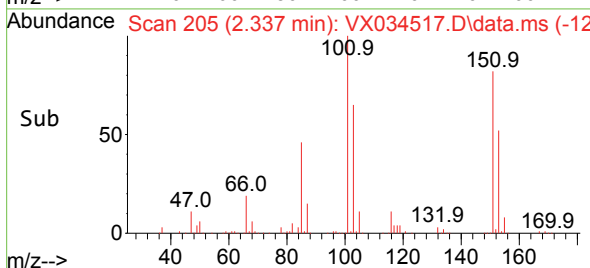
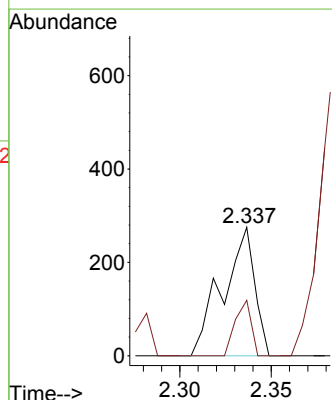
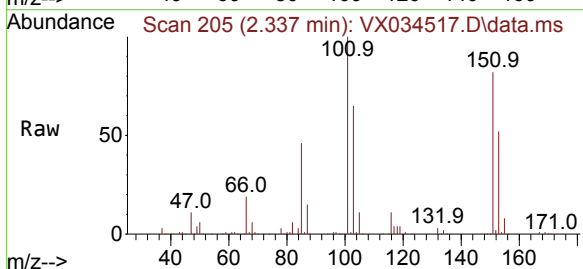
Acq: 15 Mar 2023 18:43

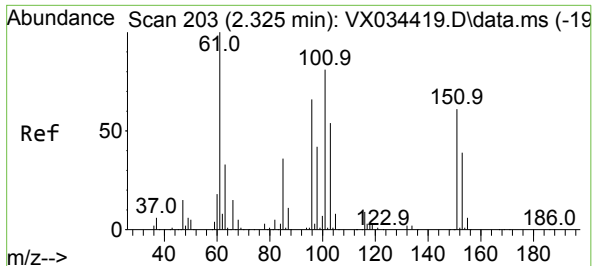
Tgt Ion: 74 Resp: 337

Ion Ratio Lower Upper

74 100

45 21.4 49.8 149.3#

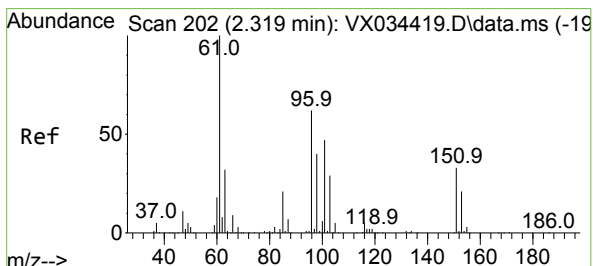
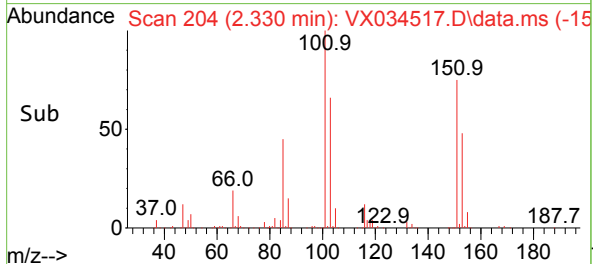
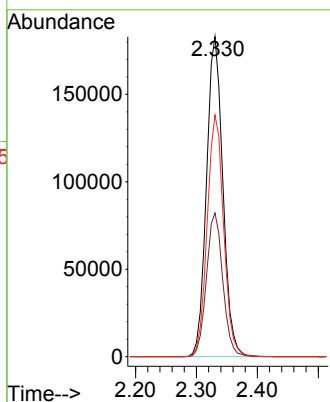
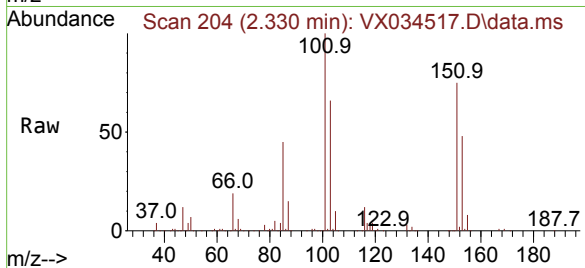




#9
1,1,2-Trichlorotrifluoroethane
Concen: 127.898 ug/l
RT: 2.330 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

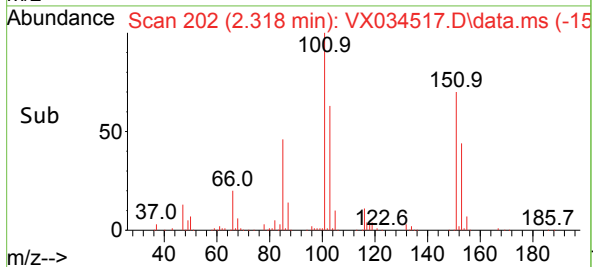
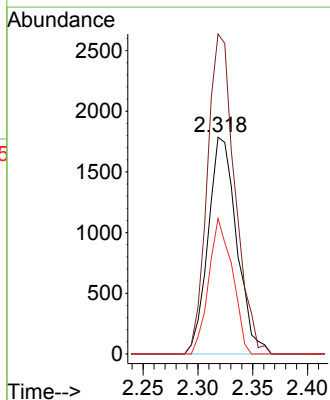
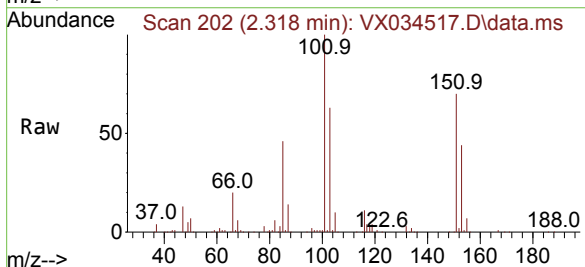
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

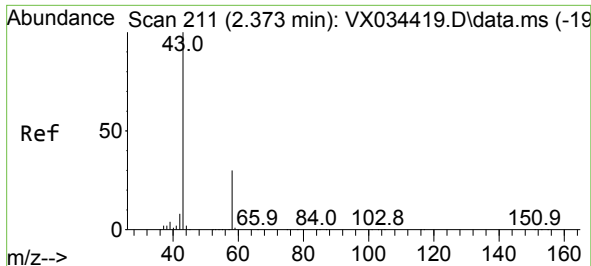
Tgt Ion:101 Resp: 341187
Ion Ratio Lower Upper
101 100
85 44.9 35.4 53.2
151 76.0 60.2 90.4



#12
1,1-Dichloroethene
Concen: 1.234 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 96 Resp: 3242
Ion Ratio Lower Upper
96 100
61 147.6 128.8 193.2
98 62.5 51.4 77.0

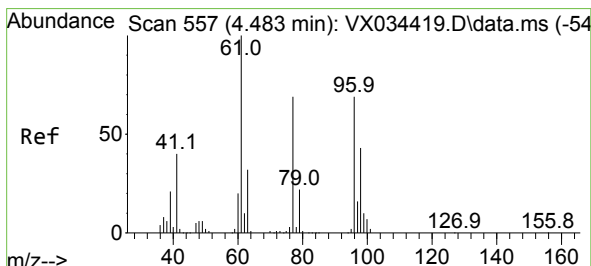
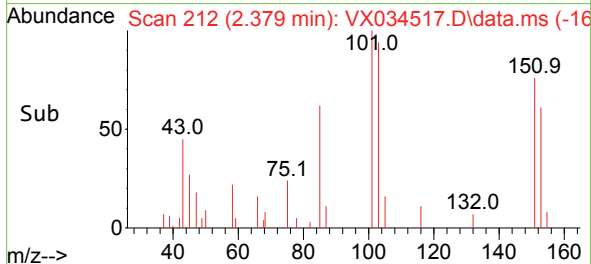
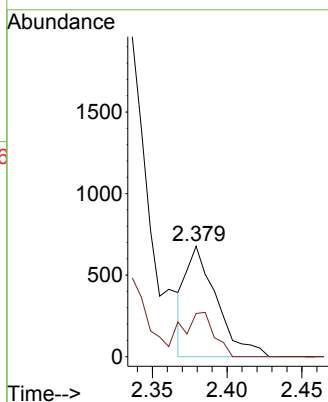
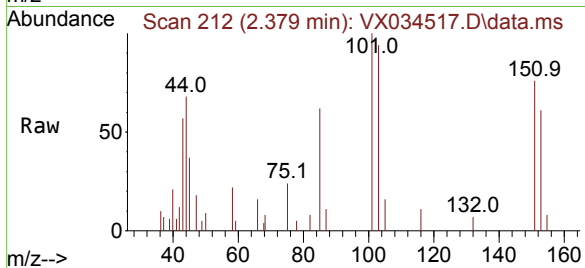




#16
Acetone
Concen: 0.592 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

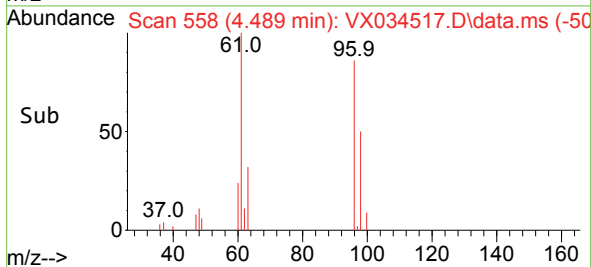
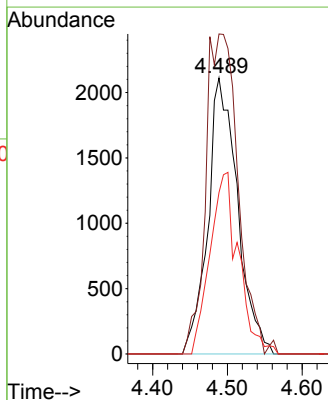
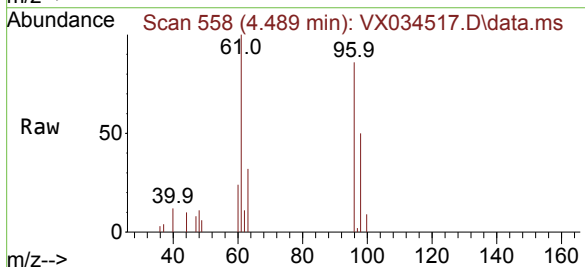
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

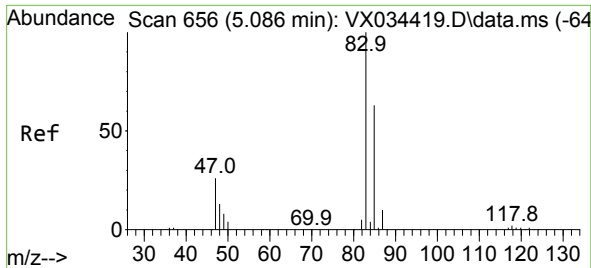
Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
58 39.1 24.7 37.1#



#27
cis-1,2-Dichloroethene
Concen: 1.733 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 96 Resp: 5821
Ion Ratio Lower Upper
96 100
61 126.4 0.0 300.4
98 63.5 0.0 129.0

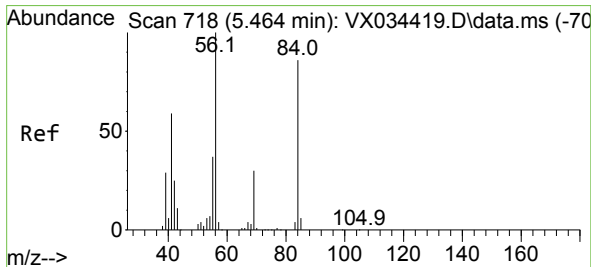
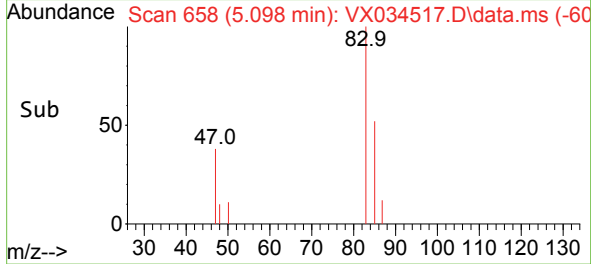
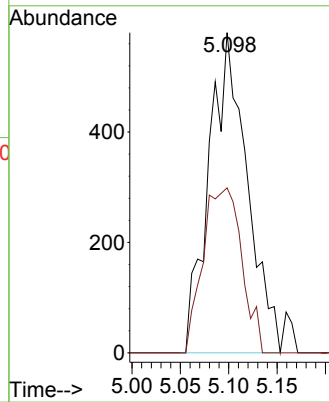
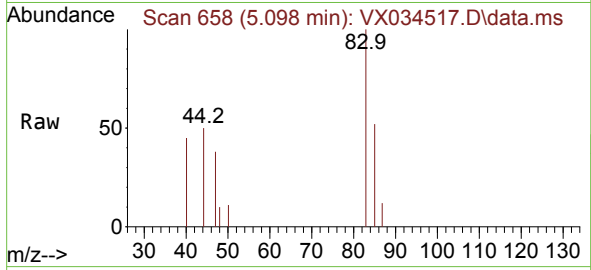




#30
Chloroform
Concen: 0.297 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

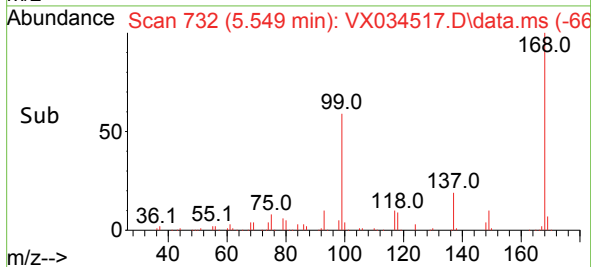
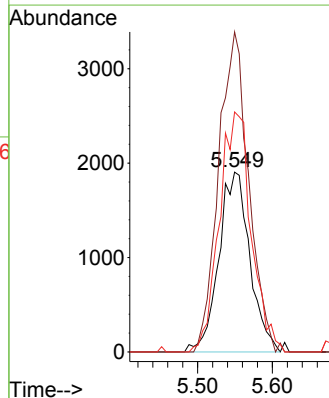
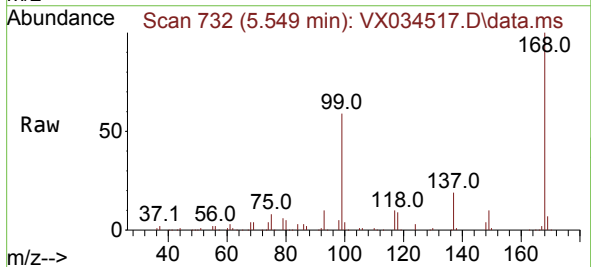
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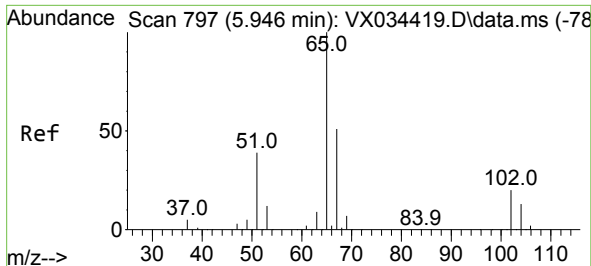
Tgt Ion: 83 Resp: 1591
Ion Ratio Lower Upper
83 100
85 51.6 50.6 76.0



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 56 Resp: 5479
Ion Ratio Lower Upper
56 100
69 177.9 23.7 35.5#
84 133.4 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 45.798 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX034517.D

Acq: 15 Mar 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

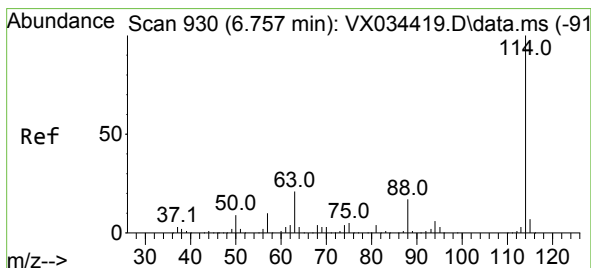
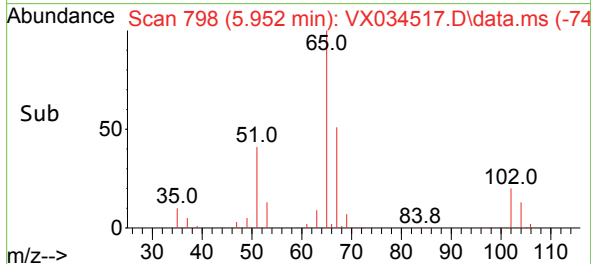
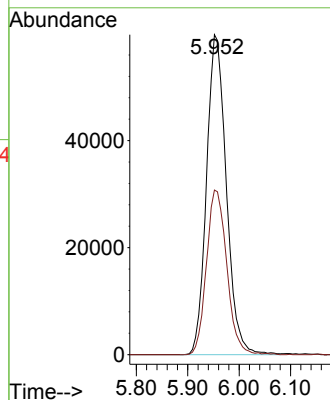
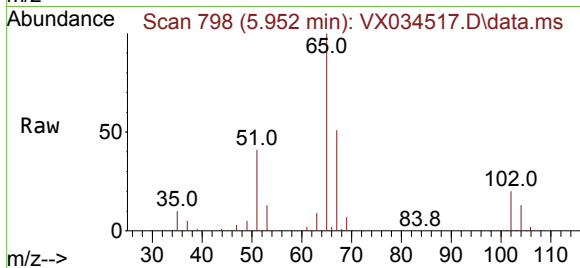
RE125D3-20230310

Tgt Ion: 65 Resp: 159895

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034517.D

Acq: 15 Mar 2023 18:43

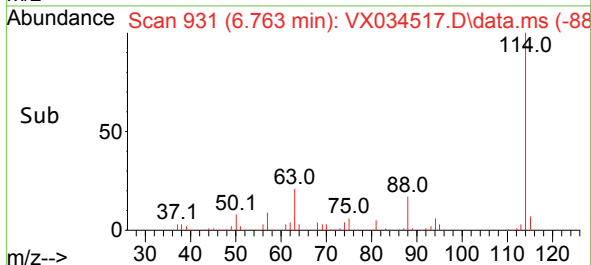
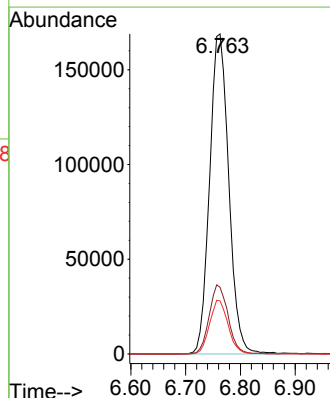
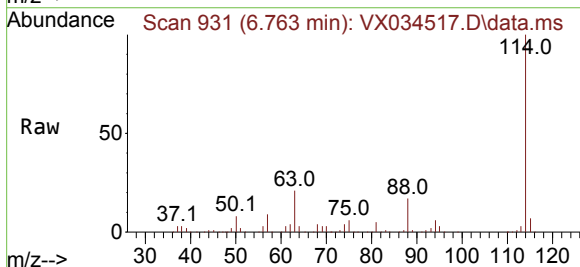
Tgt Ion: 114 Resp: 409436

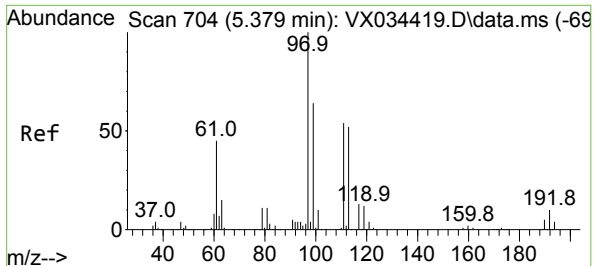
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.2

88 16.6 0.0 33.2

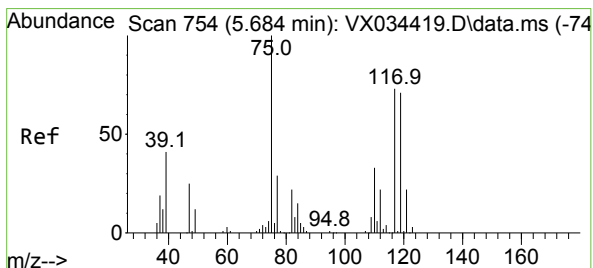
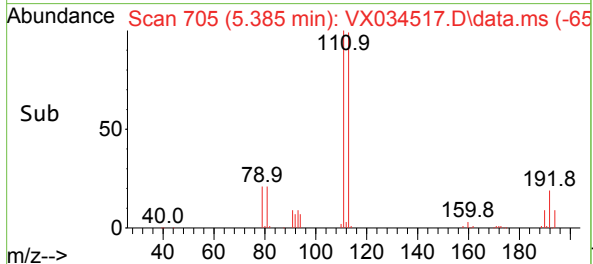
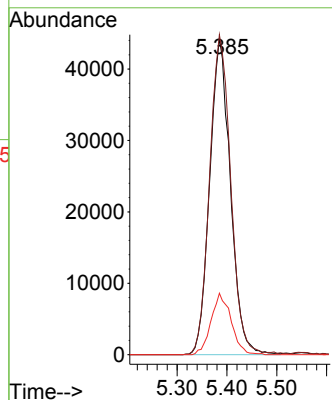
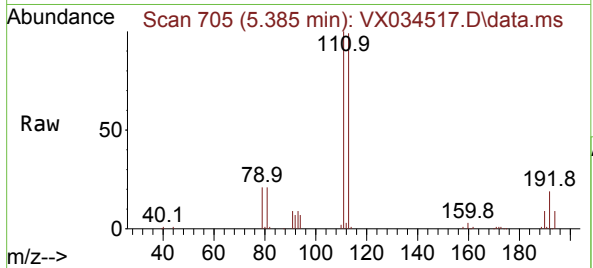




#35
Dibromofluoromethane
Concen: 47.137 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

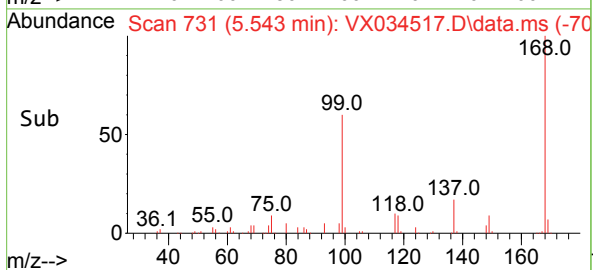
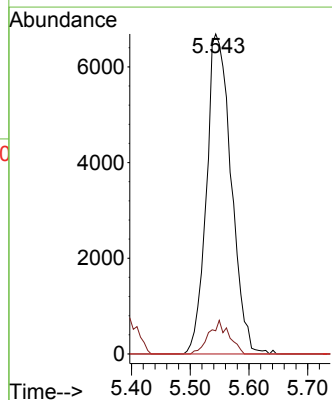
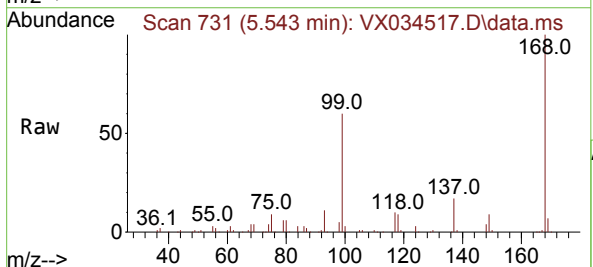
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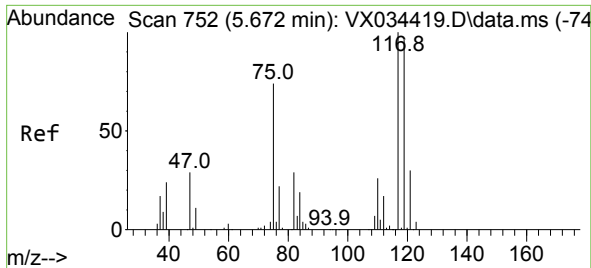
Tgt Ion:113 Resp: 127424
Ion Ratio Lower Upper
113 100
111 103.7 83.7 125.5
192 18.9 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.707 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.141 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 75 Resp: 19545
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 24.3 36.5#

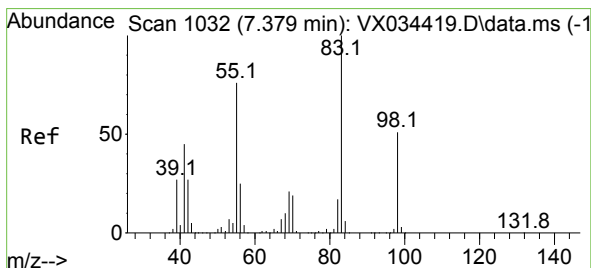
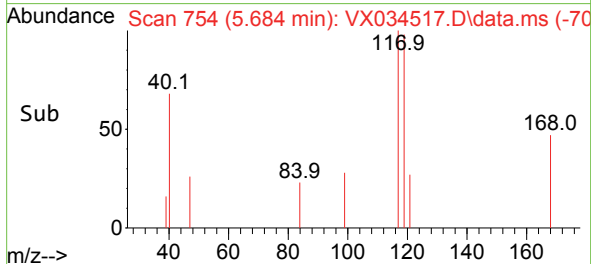
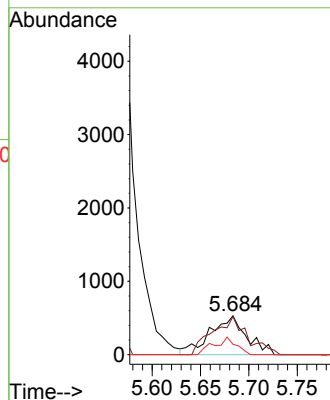
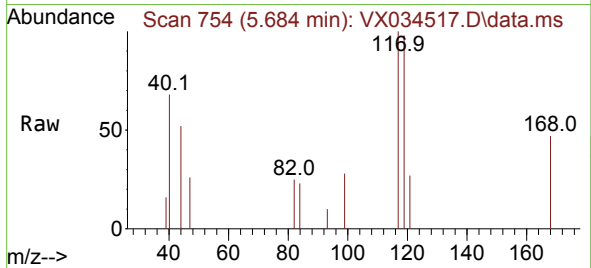




#38
Carbon Tetrachloride
Concen: 0.335 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

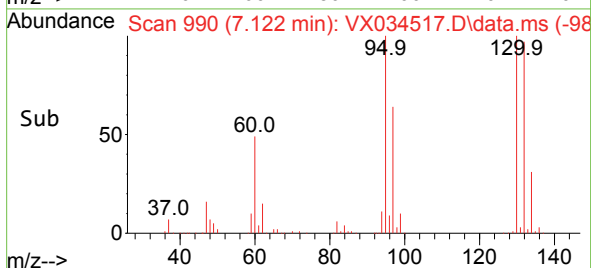
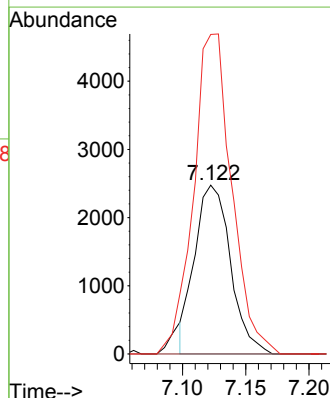
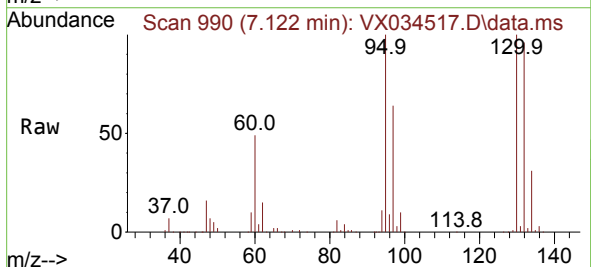
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

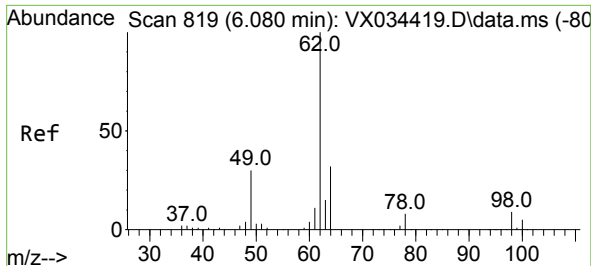
Tgt Ion:117 Resp: 1383
Ion Ratio Lower Upper
117 100
119 97.9 76.6 114.8
121 26.7 23.8 35.6



#39
Methylcyclohexane
Concen: 0.979 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 83 Resp: 4865
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 182.3 40.4 60.6#





#42

1,2-Dichloroethane

Concen: 0.230 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX034517.D

Acq: 15 Mar 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

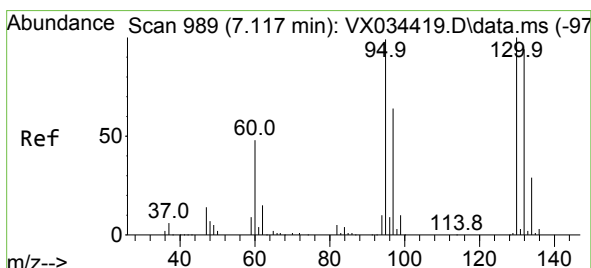
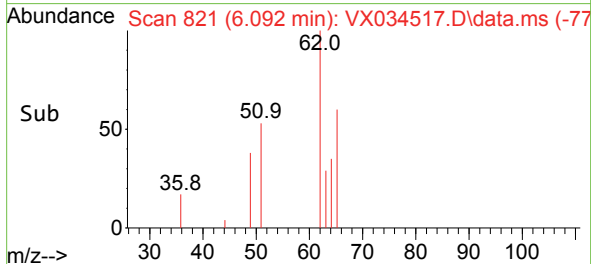
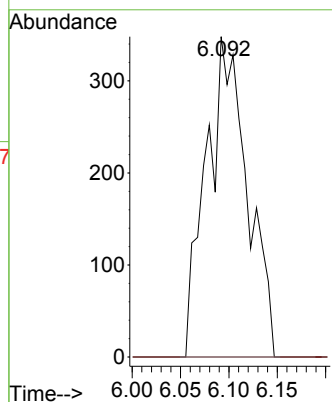
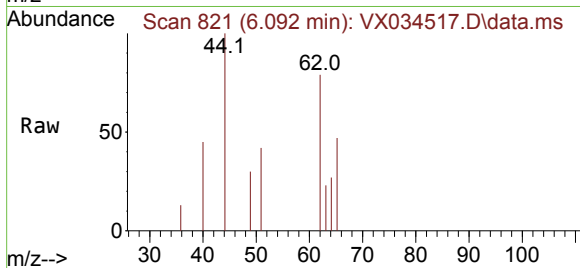
RE125D3-20230310

Tgt Ion: 62 Resp: 1028

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#44

Trichloroethene

Concen: 123.240 ug/l

RT: 7.122 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX034517.D

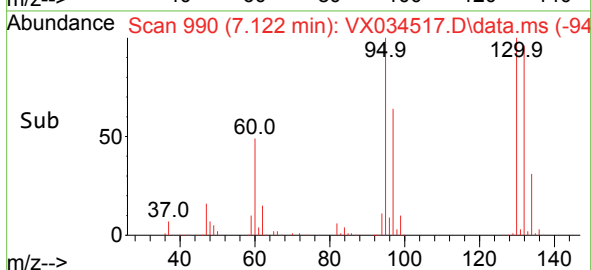
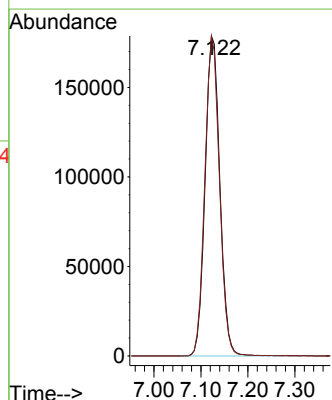
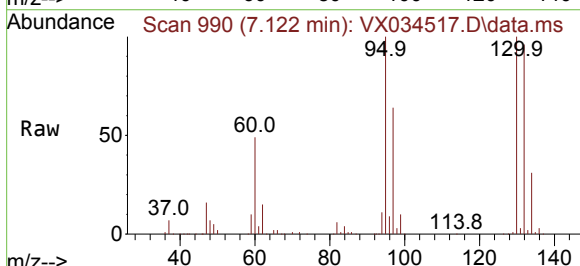
Acq: 15 Mar 2023 18:43

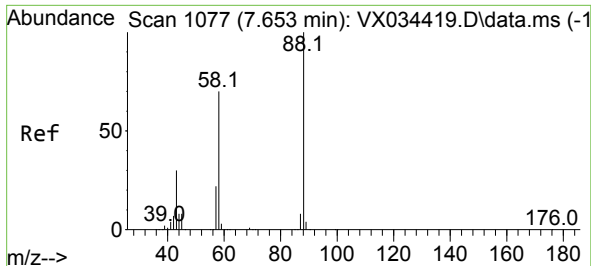
Tgt Ion:130 Resp: 388938

Ion Ratio Lower Upper

130 100

95 99.8 0.0 198.4

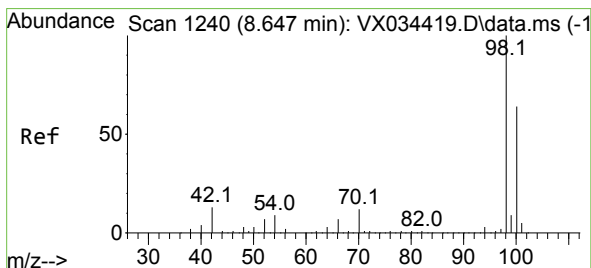
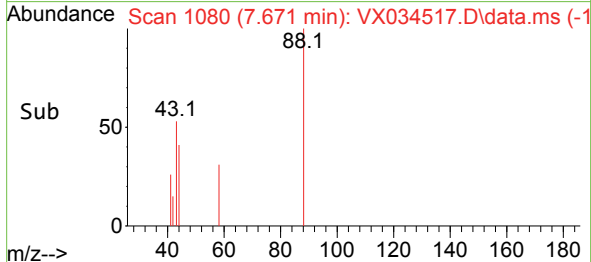
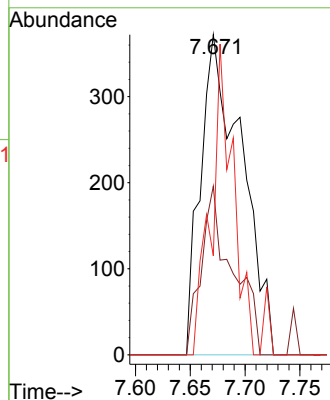
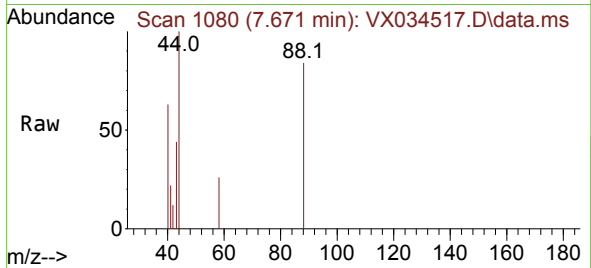




#49
1,4-Dioxane
Concen: 12.509 ug/l
RT: 7.671 min Scan# 1077
Delta R.T. 0.018 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

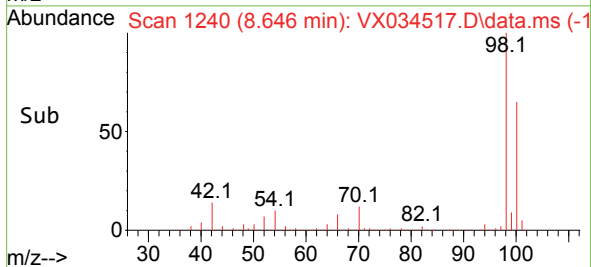
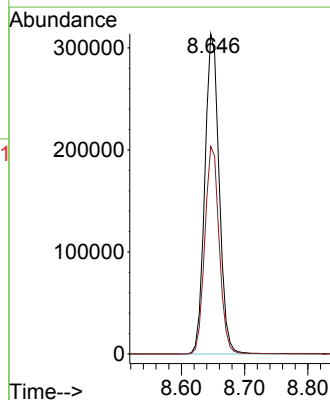
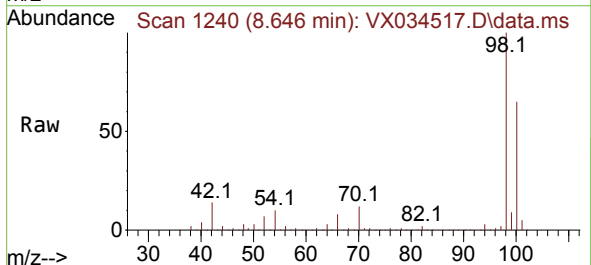
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

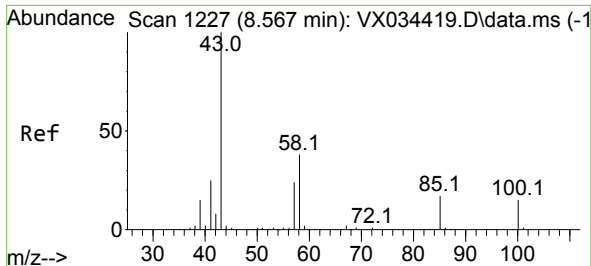
Tgt Ion: 88 Resp: 971
Ion Ratio Lower Upper
88 100
43 40.0 27.7 41.5
58 51.9 56.8 85.2#



#50
Toluene-d8
Concen: 48.932 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 98 Resp: 493799
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

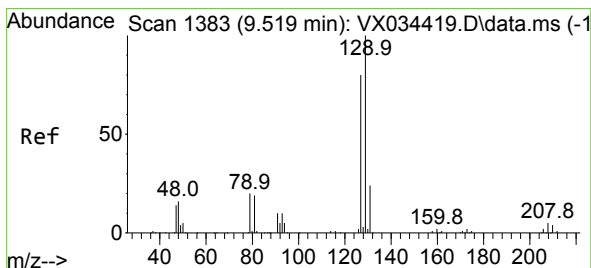
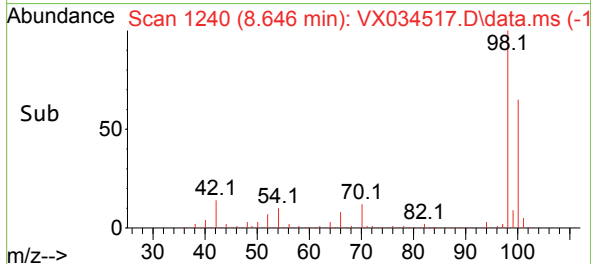
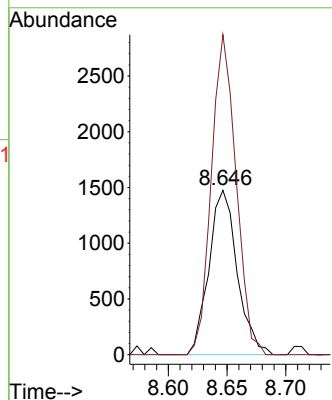
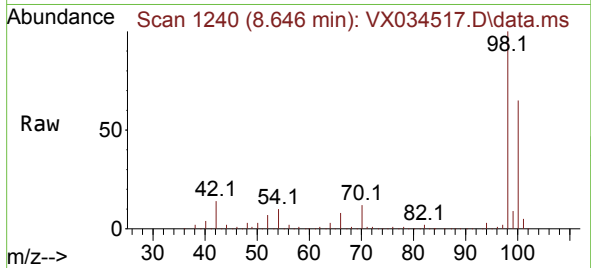




#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

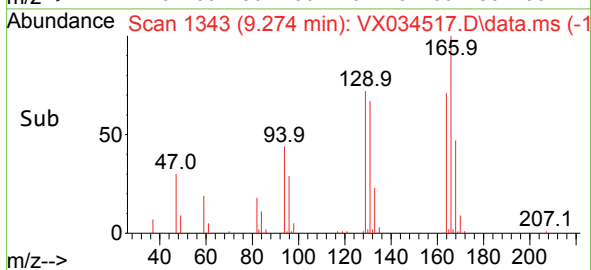
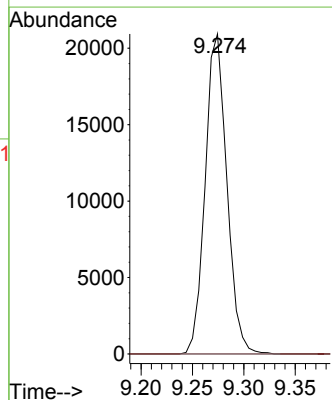
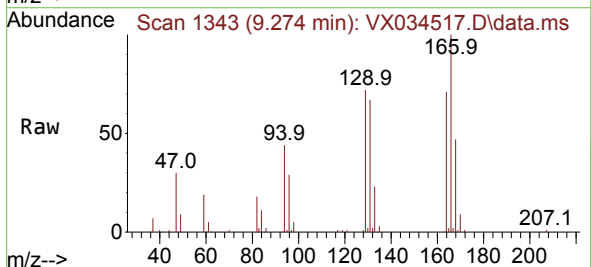
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

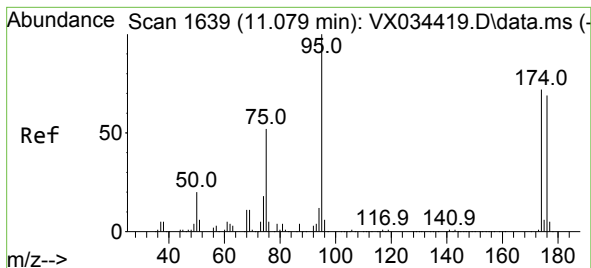
Tgt Ion: 43 Resp: 2479
Ion Ratio Lower Upper
43 100
58 169.6 30.6 46.0#



#60
Dibromochloromethane
Concen: 9.808 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 129 Resp: 30698
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

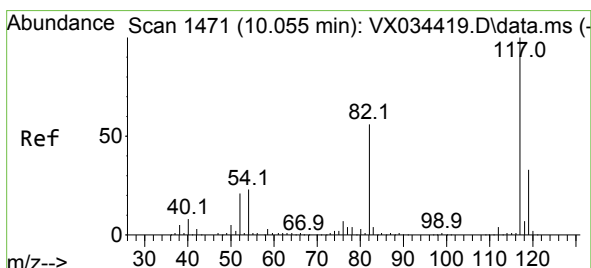
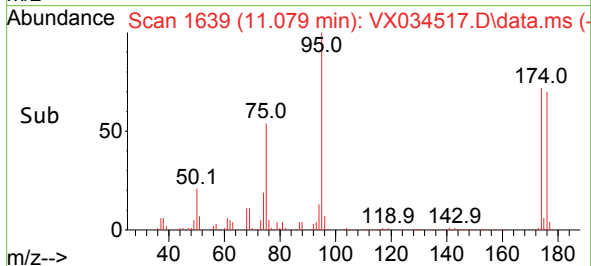
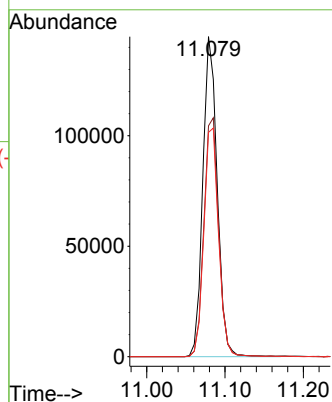
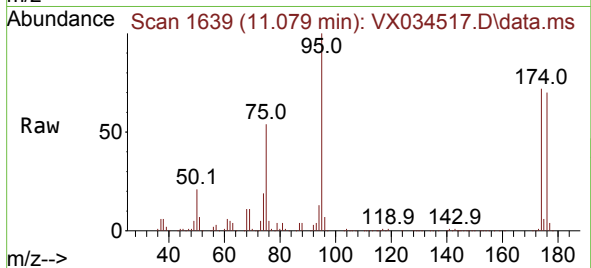




#62
4-Bromofluorobenzene
Concen: 45.151 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

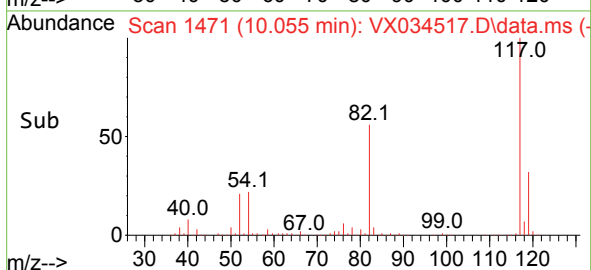
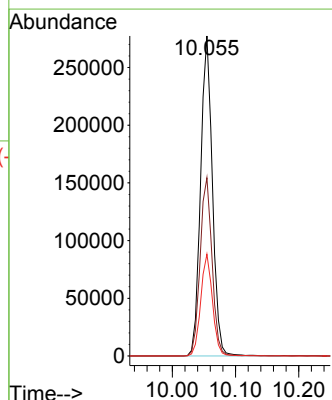
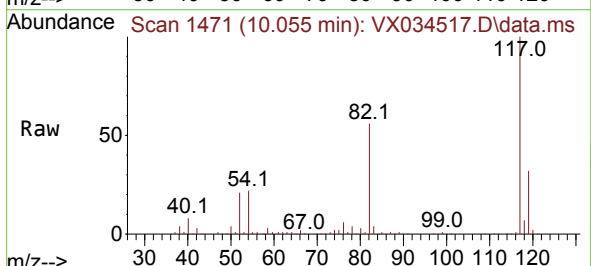
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

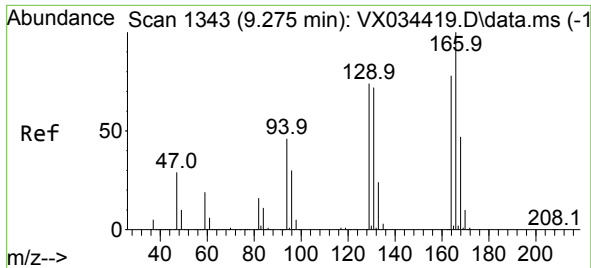
Tgt Ion: 95 Resp: 184044
Ion Ratio Lower Upper
95 100
174 77.0 0.0 147.4
176 73.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion: 117 Resp: 361029
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.4
119 31.8 26.0 39.0



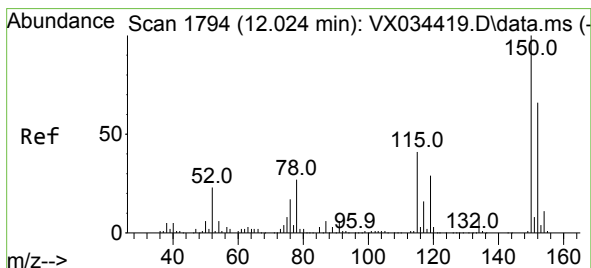
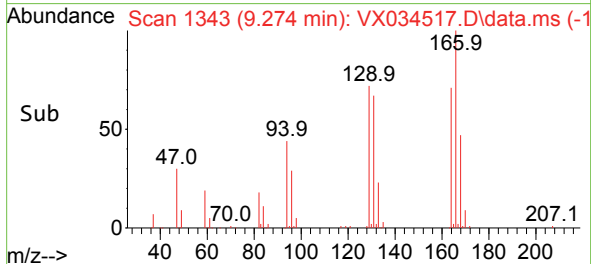
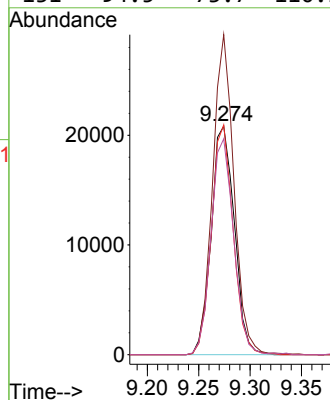
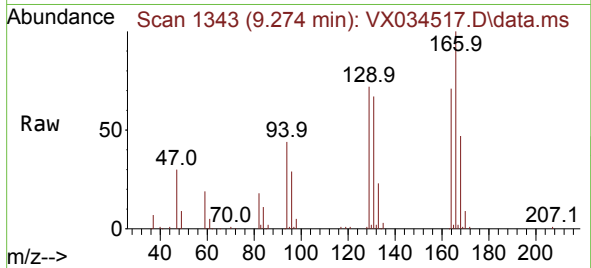


#64
Tetrachloroethene
Concen: 13.408 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230310

Tgt Ion:164 Resp: 32516

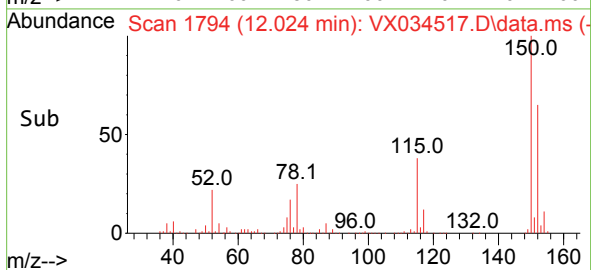
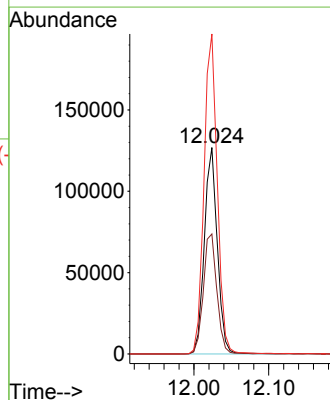
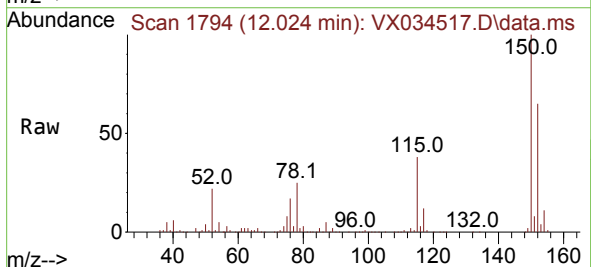
Ion	Ratio	Lower	Upper
164	100		
166	140.1	102.7	154.1
129	100.5	75.6	113.4
131	94.5	73.7	110.5

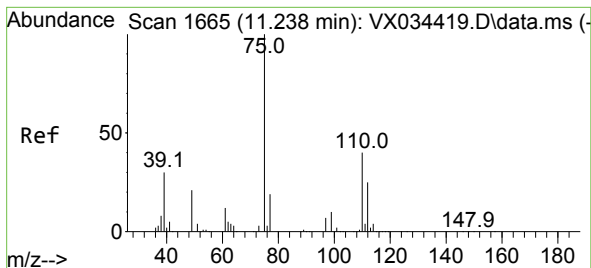


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034517.D
Acq: 15 Mar 2023 18:43

Tgt Ion:152 Resp: 152824

Ion	Ratio	Lower	Upper
152	100		
115	60.8	45.0	135.0
150	158.5	0.0	352.4





#76

1,2,3-Trichloropropane

Concen: 27.561 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034517.D

Acq: 15 Mar 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

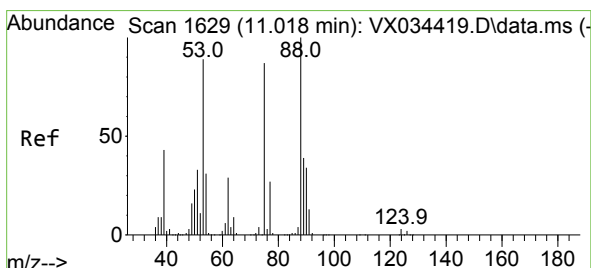
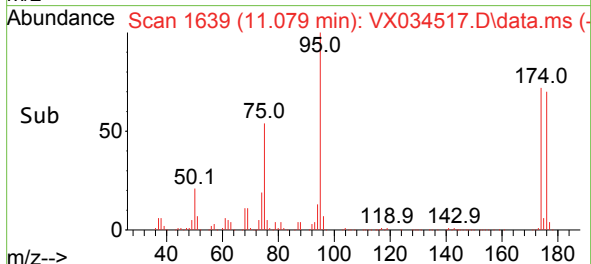
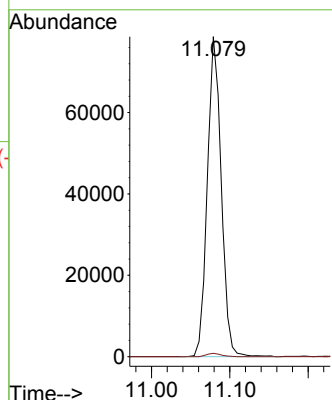
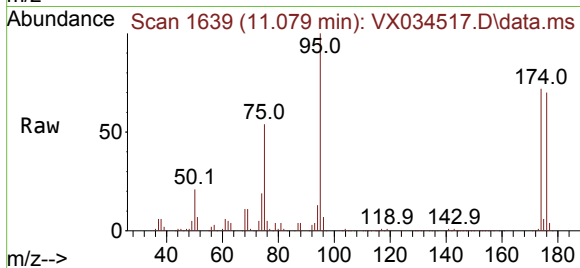
RE125D3-20230310

Tgt Ion: 75 Resp: 96711

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.560 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034517.D

Acq: 15 Mar 2023 18:43

Tgt Ion: 75 Resp: 96711

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

