

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034443.D
 Acq On : 13 Mar 2023 19:20
 Operator : JC/MD
 Sample : 01879-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20230309

Quant Time: Mar 14 02:29:27 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)

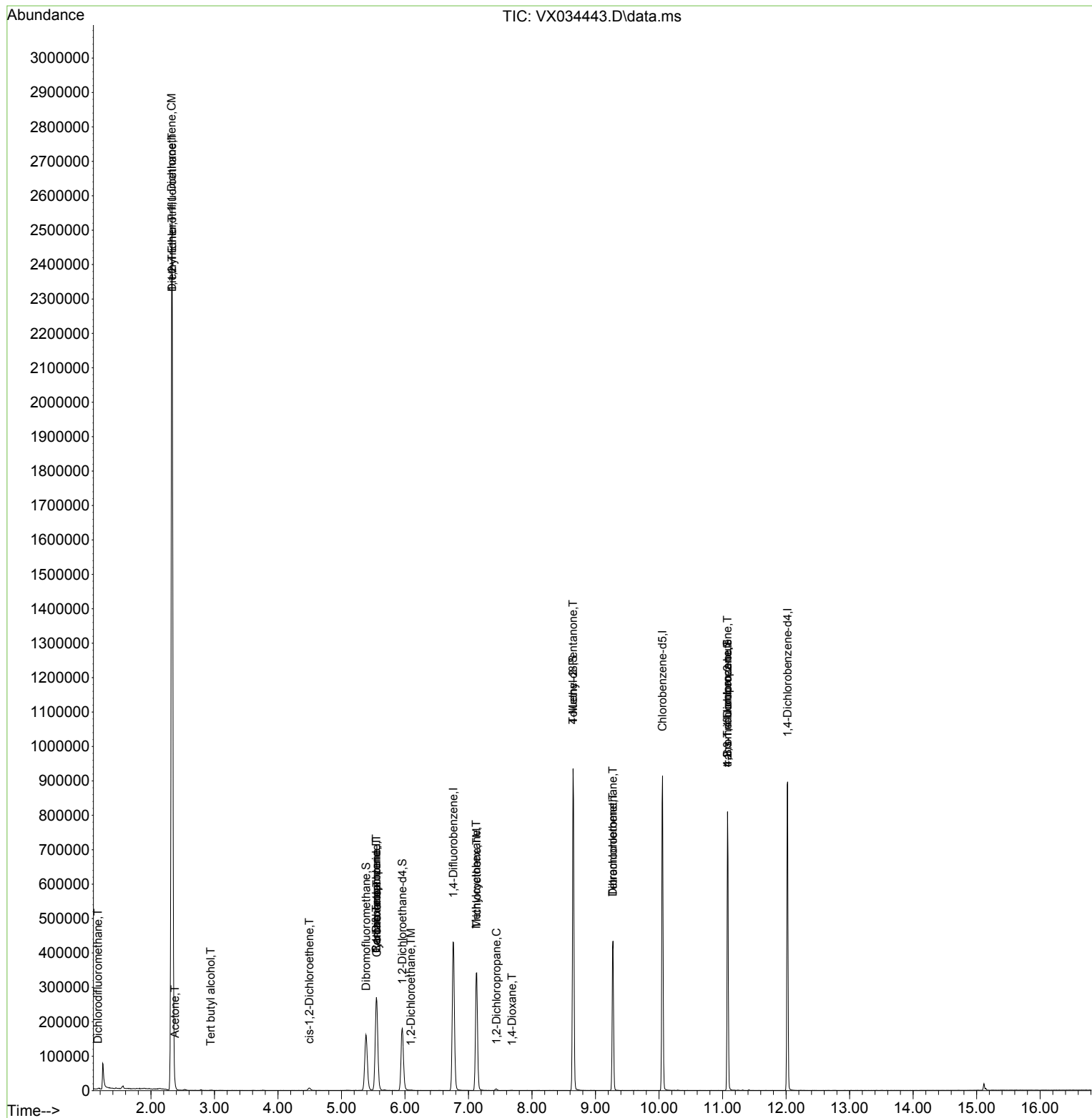
Internal Standards						
1) Pentafluorobenzene	5.550	168	260693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	446741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172021	45.358	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.720%
35) Dibromofluoromethane	5.385	113	139420	47.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.540%
50) Toluene-d8	8.647	98	537198	48.787	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.580%
62) 4-Bromofluorobenzene	11.079	95	207319	46.614	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.220%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	647	0.266	ug/l	95
3) Chloromethane	1.288	50	287	Below Cal	#	42
8) Diethyl Ether	2.331	74	900	0.496	ug/l #	12
9) 1,1,2-Trichlorotrifluo...	2.331	101	1014649	350.144	ug/l	100
11) Tert butyl alcohol	2.940	59	450	0.570	ug/l #	87
12) 1,1-Dichloroethene	2.325	96	6420	2.250	ug/l #	69
16) Acetone	2.379	43	1287	0.720	ug/l #	46
27) cis-1,2-Dichloroethene	4.495	96	4730	1.296	ug/l	87
31) Cyclohexane	5.556	56	5924	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20440	4.512	ug/l #	50
38) Carbon Tetrachloride	5.550	117	25571	5.674	ug/l #	16
39) Methylcyclohexane	7.122	83	1726	0.318	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1110	0.228	ug/l	88
44) Trichloroethene	7.129	130	136260	39.570	ug/l	98
45) 1,2-Dichloropropane	7.439	63	2073	0.599	ug/l	98
49) 1,4-Dioxane	7.683	88	612	7.226	ug/l #	32
51) 4-Methyl-2-Pentanone	8.647	43	2479	0.510	ug/l #	1
60) Dibromochloromethane	9.275	129	76700	22.458	ug/l #	10
64) Tetrachloroethene	9.275	164	80510	29.504	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	107382	25.177	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	107382	68.111	ug/l #	8

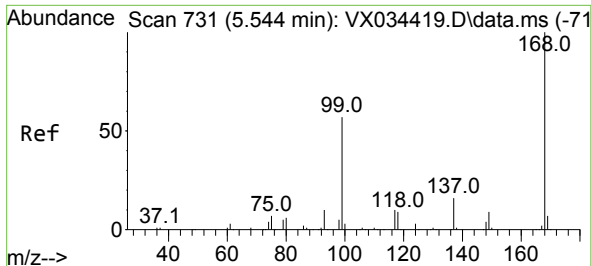
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

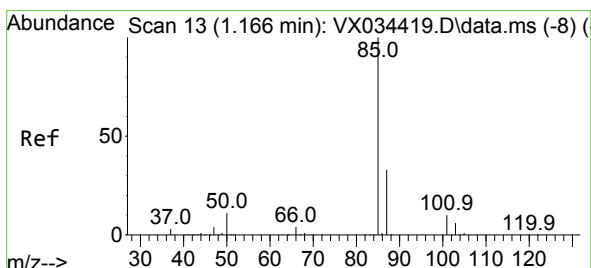
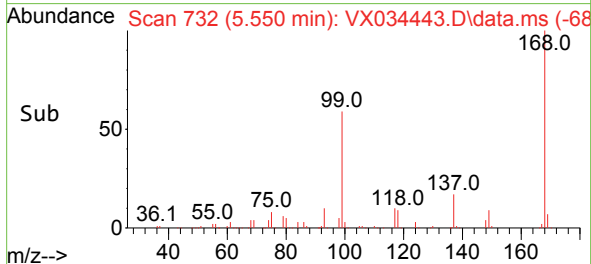
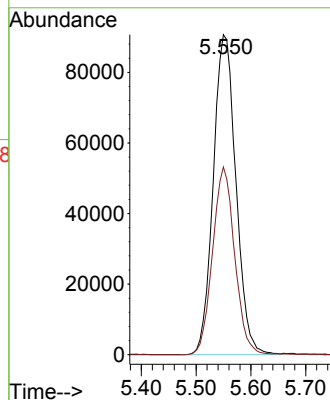
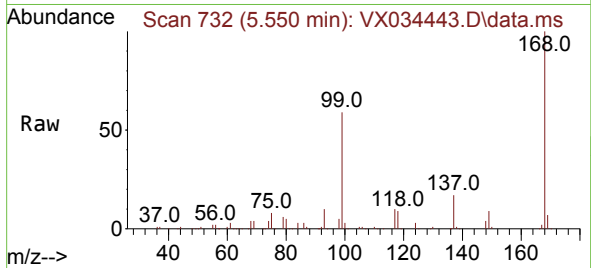




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

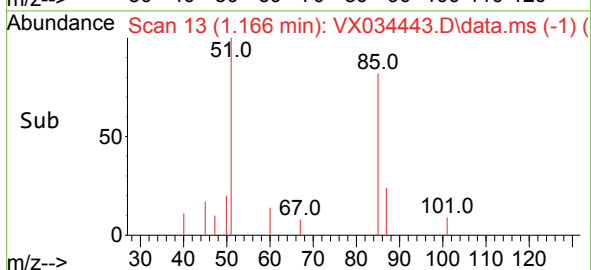
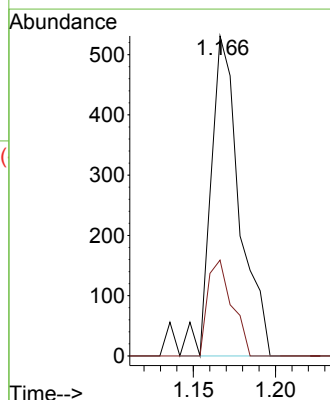
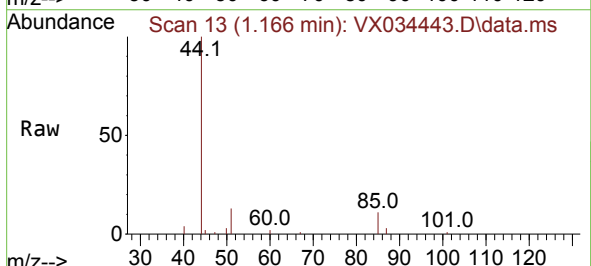
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309

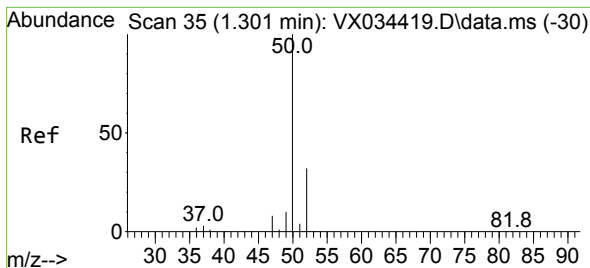
Tgt Ion:168 Resp: 260693
Ion Ratio Lower Upper
168 100
99 58.7 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.266 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Tgt Ion: 85 Resp: 647
Ion Ratio Lower Upper
85 100
87 29.9 16.4 49.1





#3

Chloromethane

Concen: Below Cal

RT: 1.288 min Scan# 31

Delta R.T. -0.013 min

Lab File: VX034443.D

Acq: 13 Mar 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :

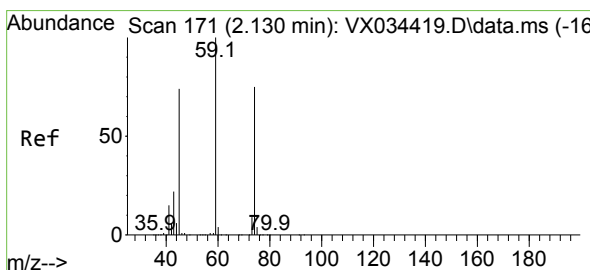
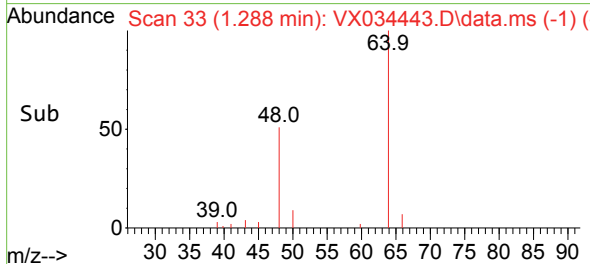
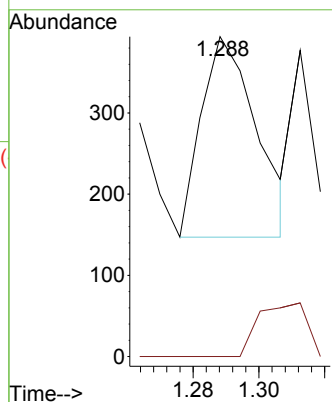
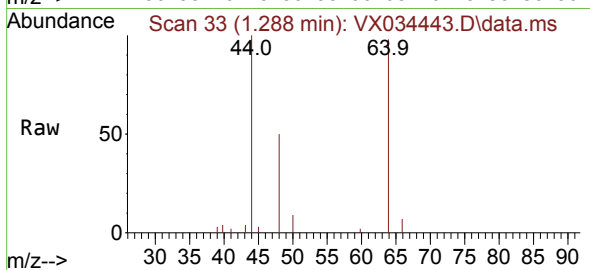
RE134D4-20230309

Tgt Ion: 50 Resp: 287

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#8

Diethyl Ether

Concen: 0.496 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.201 min

Lab File: VX034443.D

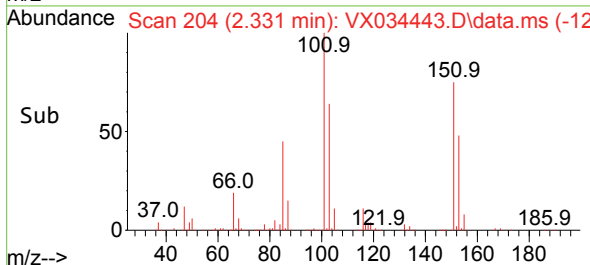
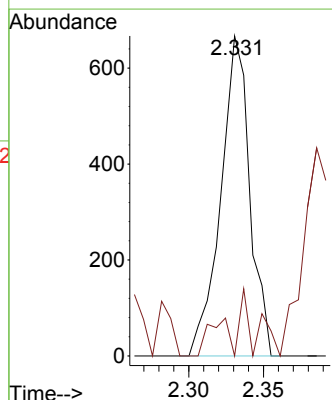
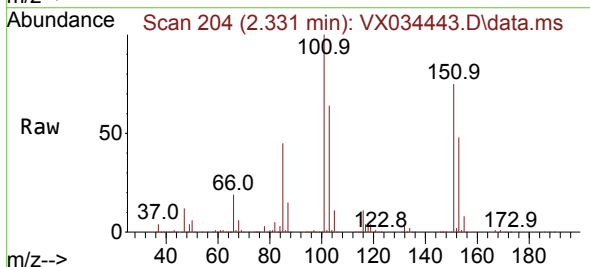
Acq: 13 Mar 2023 19:20

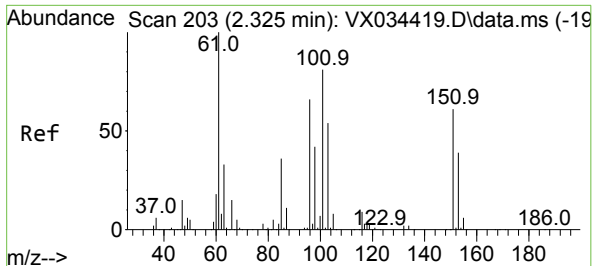
Tgt Ion: 74 Resp: 900

Ion Ratio Lower Upper

74 100

45 11.3 49.8 149.3#

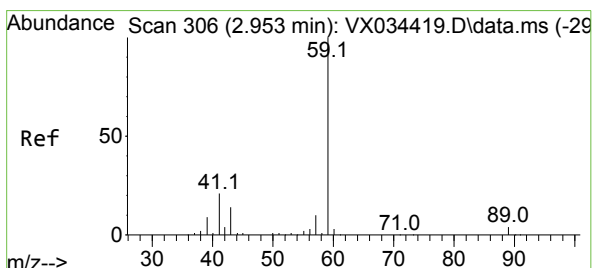
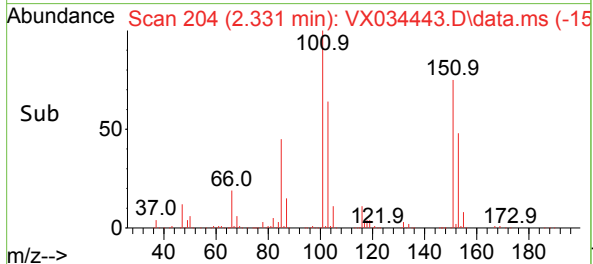
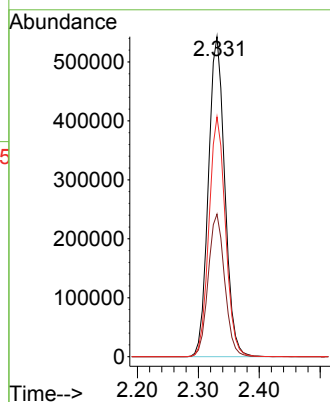
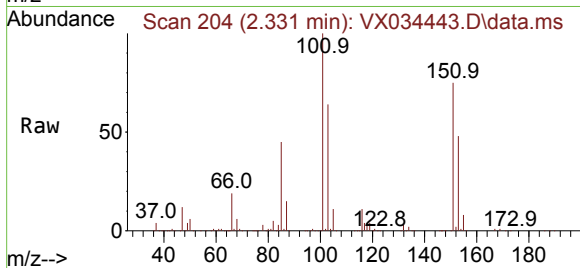




#9
1,1,2-Trichlorotrifluoroethane
Concen: 350.144 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

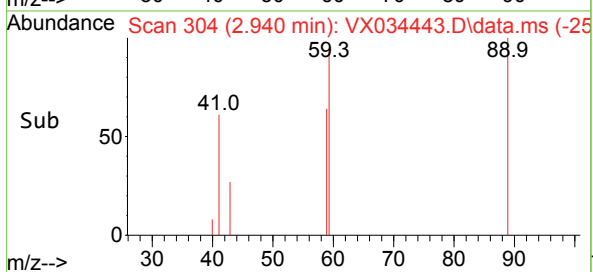
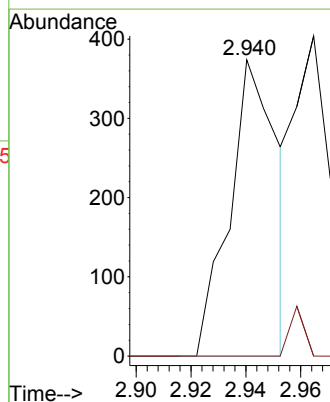
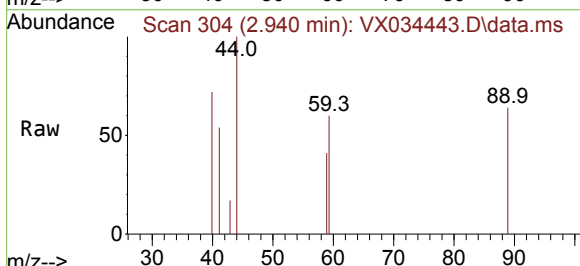
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309

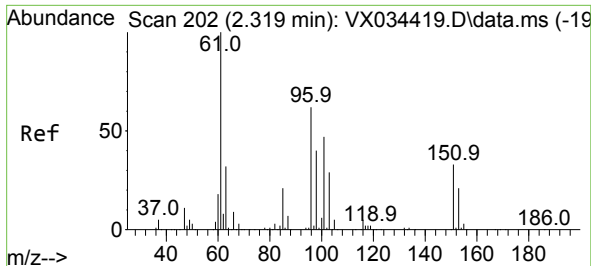
Tgt Ion:101 Resp: 1014649
Ion Ratio Lower Upper
101 100
85 44.8 35.4 53.2
151 75.4 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.570 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Tgt Ion: 59 Resp: 450
Ion Ratio Lower Upper
59 100
57 5.1 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 2.250 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX034443.D

Acq: 13 Mar 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20230309

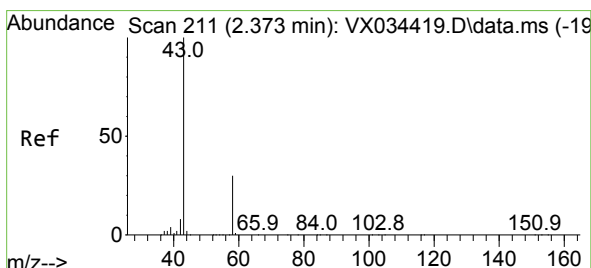
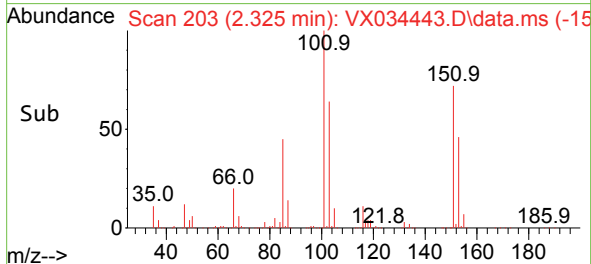
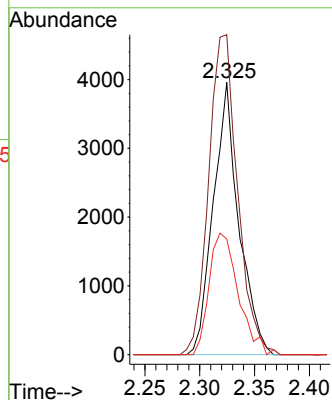
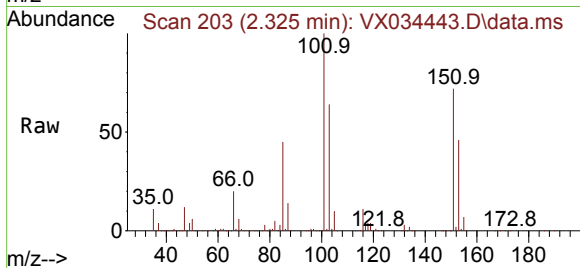
Tgt Ion: 96 Resp: 6420

Ion Ratio Lower Upper

96 100

61 117.5 128.8 193.2#

98 42.5 51.4 77.0#



#16

Acetone

Concen: 0.720 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034443.D

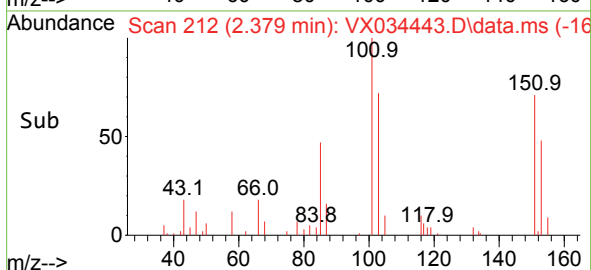
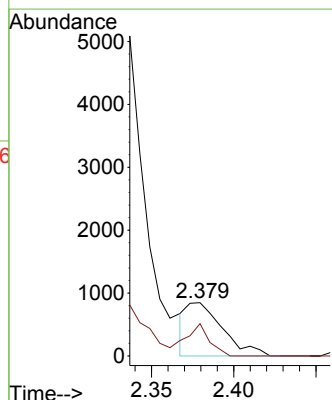
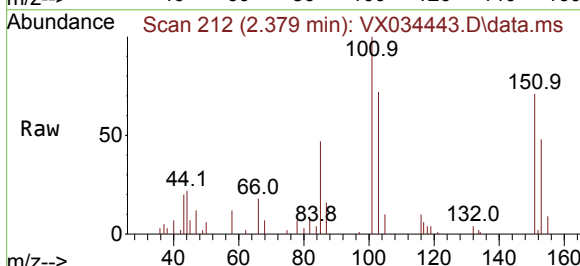
Acq: 13 Mar 2023 19:20

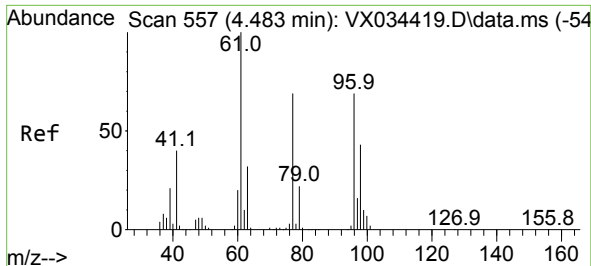
Tgt Ion: 43 Resp: 1287

Ion Ratio Lower Upper

43 100

58 60.6 24.7 37.1#





#27

cis-1,2-Dichloroethene

Concen: 1.296 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX034443.D

Acq: 13 Mar 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20230309

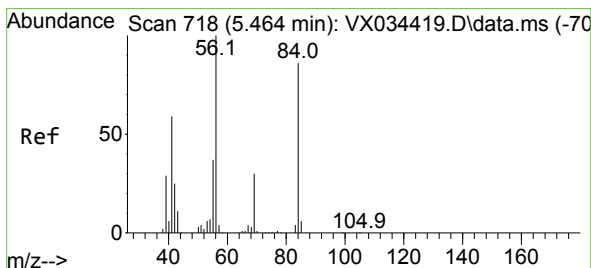
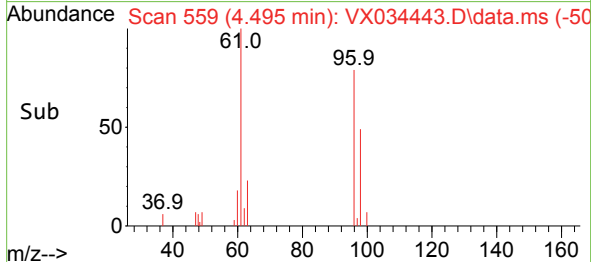
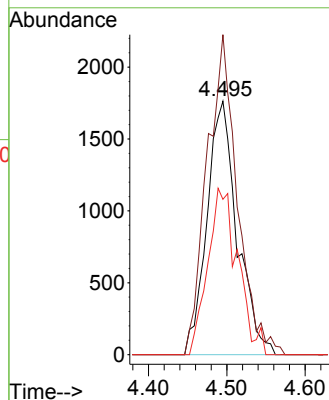
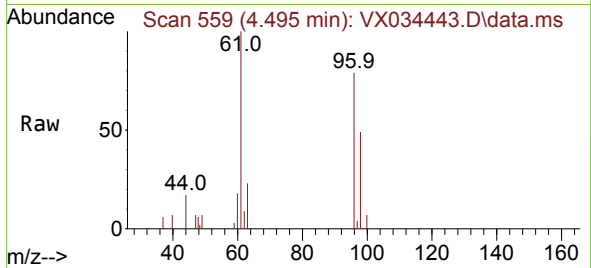
Tgt Ion: 96 Resp: 4730

Ion Ratio Lower Upper

96 100

61 126.8 0.0 300.4

98 65.3 0.0 129.0



#31

Cyclohexane

Concen: 1.114 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX034443.D

Acq: 13 Mar 2023 19:20

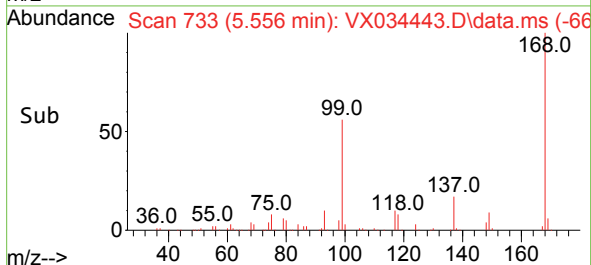
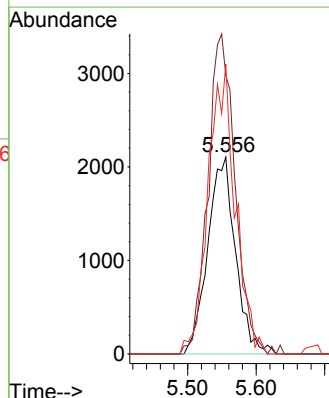
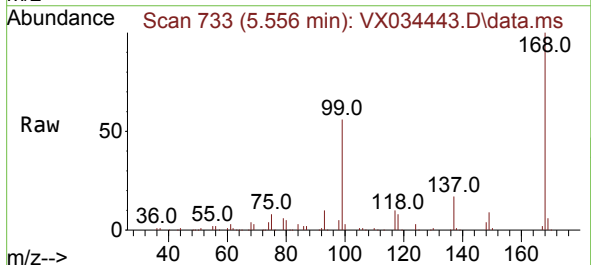
Tgt Ion: 56 Resp: 5924

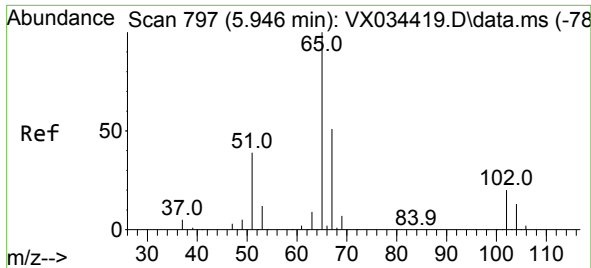
Ion Ratio Lower Upper

56 100

69 141.6 23.7 35.5#

84 147.2 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 45.358 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034443.D

Acq: 13 Mar 2023 19:20

Instrument :

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ClientSampleId :

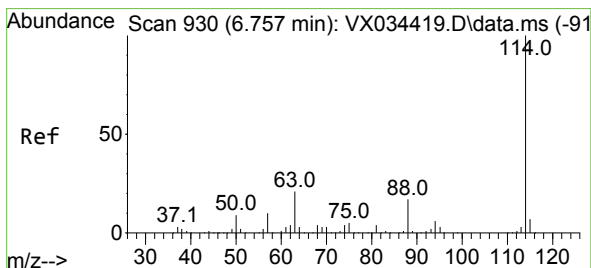
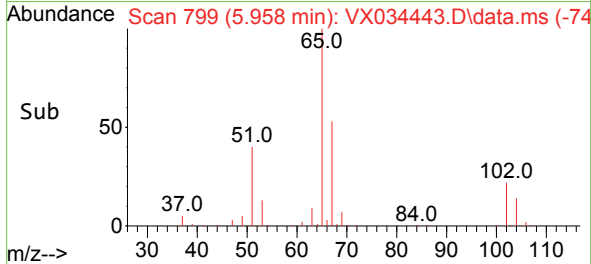
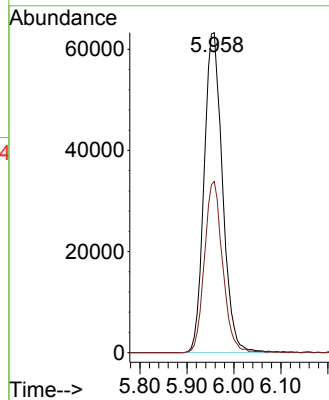
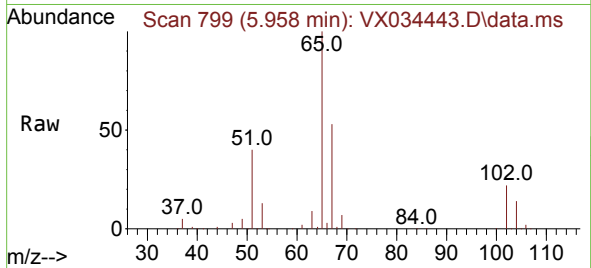
RE134D4-20230309

Tgt Ion: 65 Resp: 172021

Ion Ratio Lower Upper

65 100

67 52.8 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: VX034443.D

Acq: 13 Mar 2023 19:20

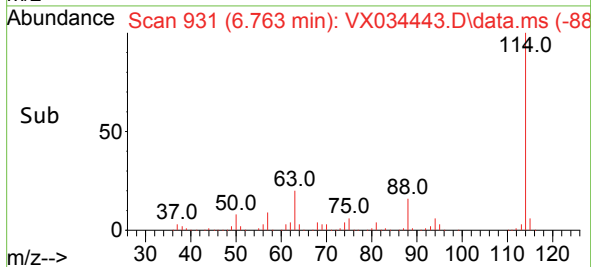
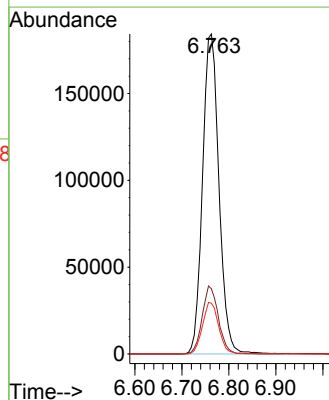
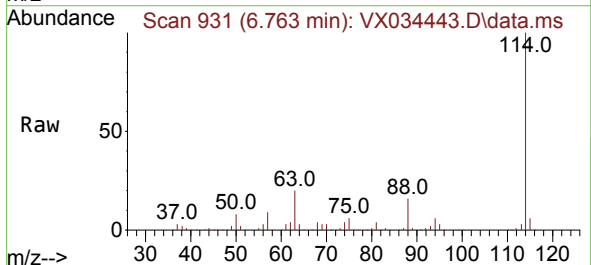
Tgt Ion: 114 Resp: 446741

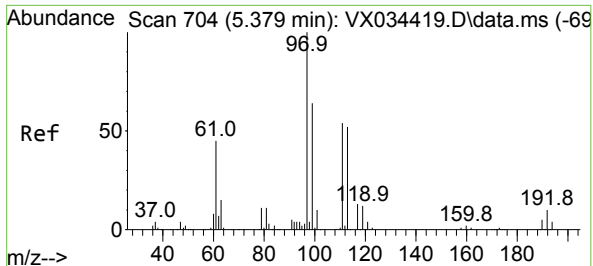
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.2

88 15.8 0.0 33.2

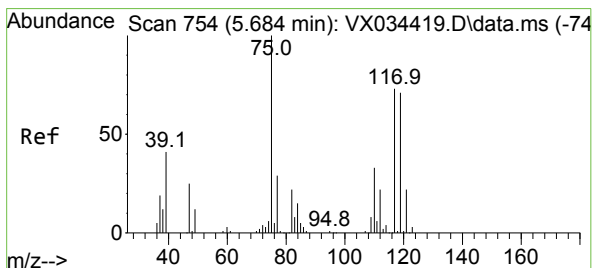
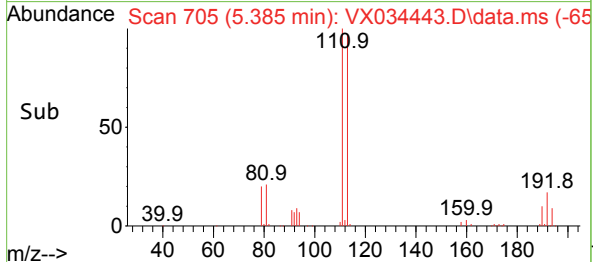
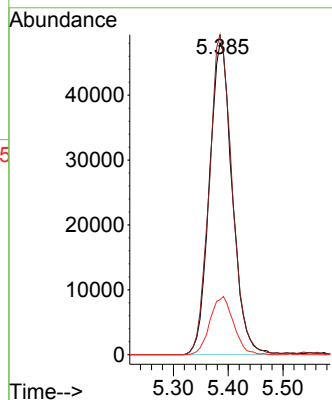
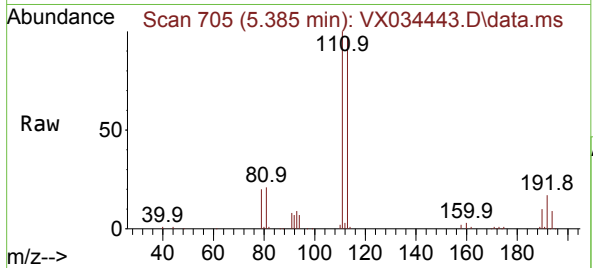




#35
Dibromofluoromethane
Concen: 47.267 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

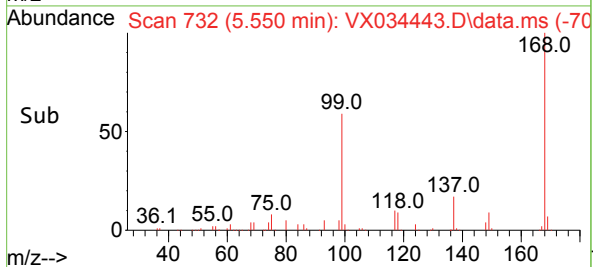
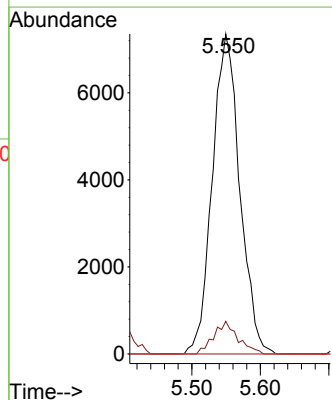
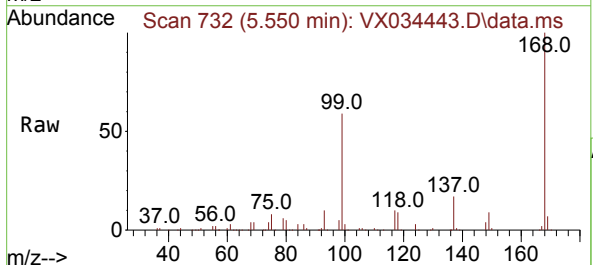
Instrument :
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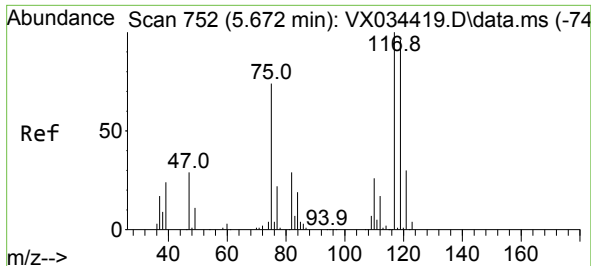
Tgt Ion:113 Resp: 139420
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 19.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.512 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

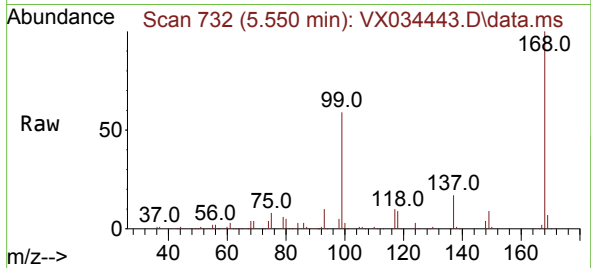
Tgt Ion: 75 Resp: 20440
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#



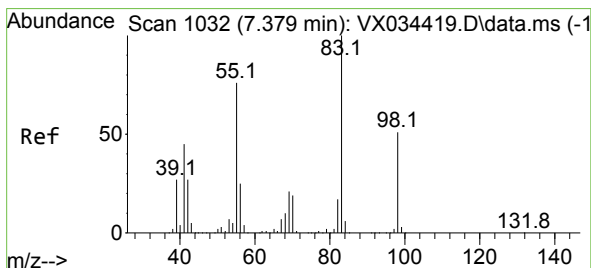
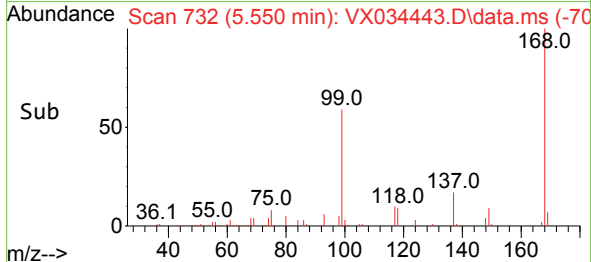
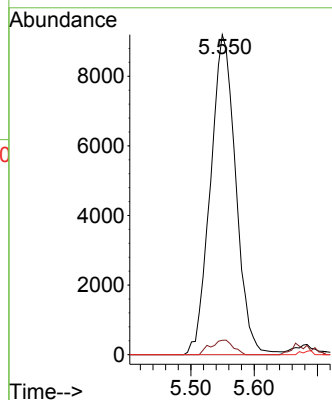


#38
Carbon Tetrachloride
Concen: 5.674 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309

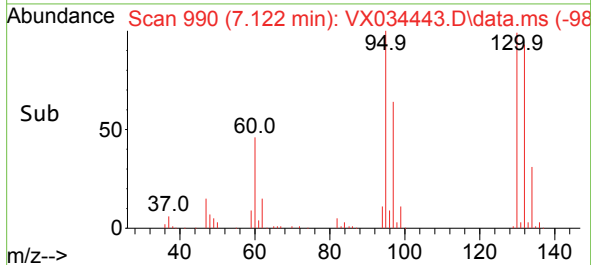
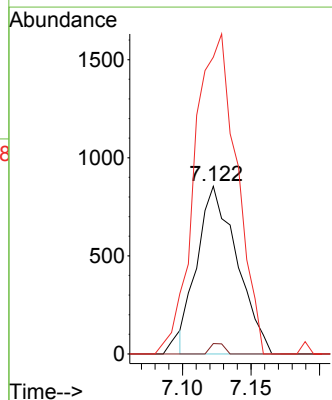
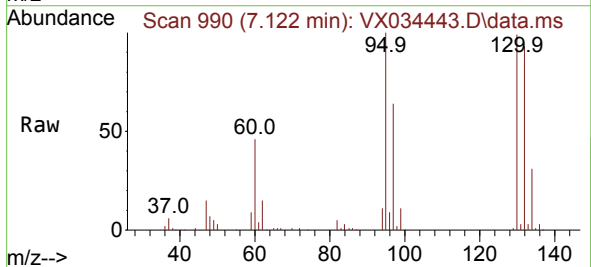


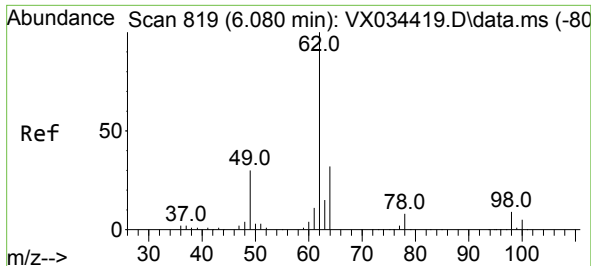
Tgt Ion:117 Resp: 25571
Ion Ratio Lower Upper
117 100
119 4.5 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.318 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Tgt Ion: 83 Resp: 1726
Ion Ratio Lower Upper
83 100
55 6.2 60.5 90.7#
98 177.0 40.4 60.6#





#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 6.092 min Scan# 819

Delta R.T. 0.012 min

Lab File: VX034443.D

Acq: 13 Mar 2023 19:20

Instrument :

MSVOA_X

ClientSampleId :

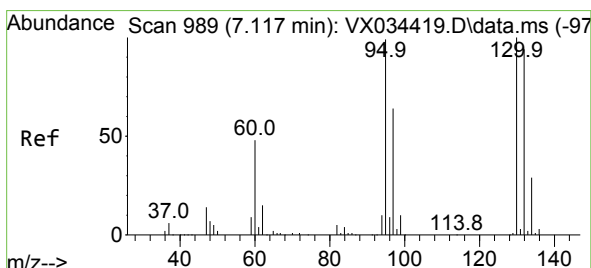
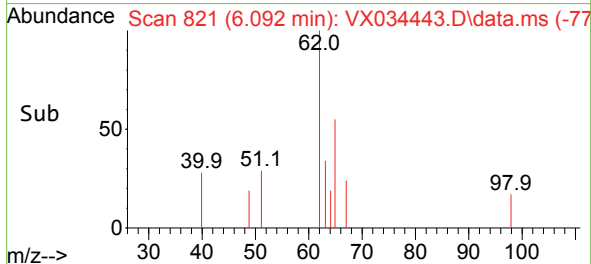
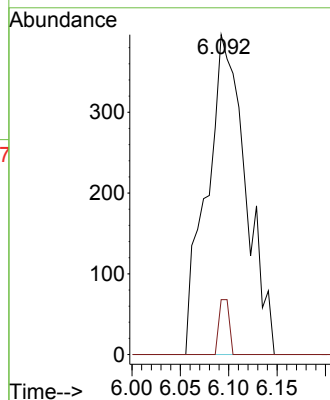
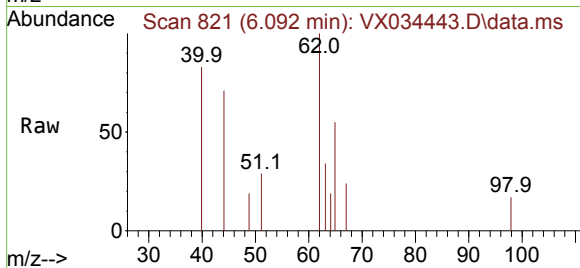
RE134D4-20230309

Tgt Ion: 62 Resp: 1110

Ion Ratio Lower Upper

62 100

98 4.5 0.0 18.0



#44

Trichloroethene

Concen: 39.570 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX034443.D

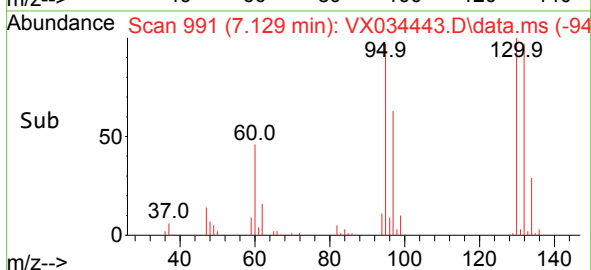
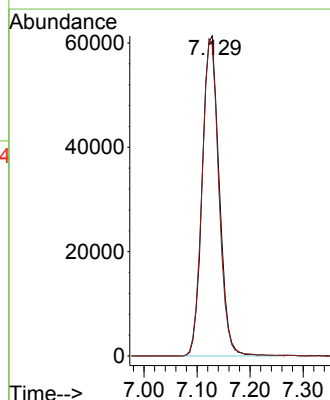
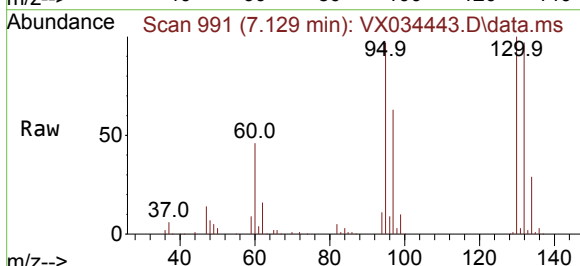
Acq: 13 Mar 2023 19:20

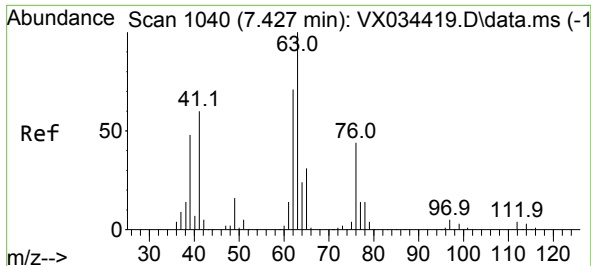
Tgt Ion:130 Resp: 136260

Ion Ratio Lower Upper

130 100

95 97.2 0.0 198.4

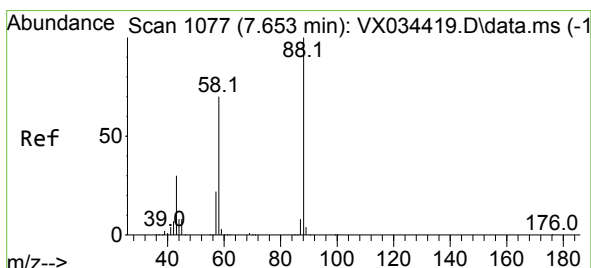
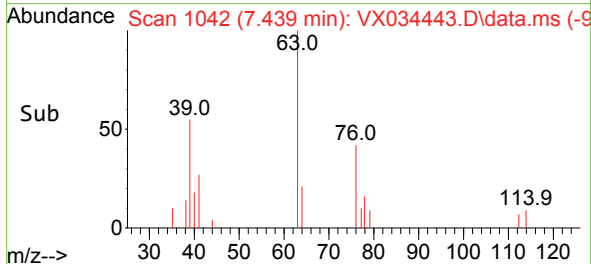
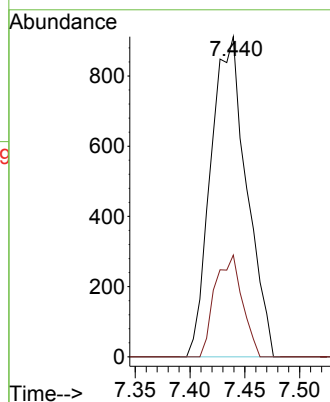
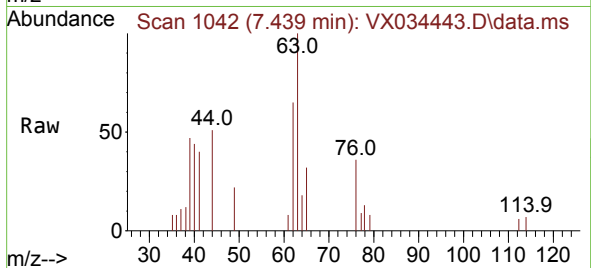




#45
1,2-Dichloropropane
Concen: 0.599 ug/l
RT: 7.439 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

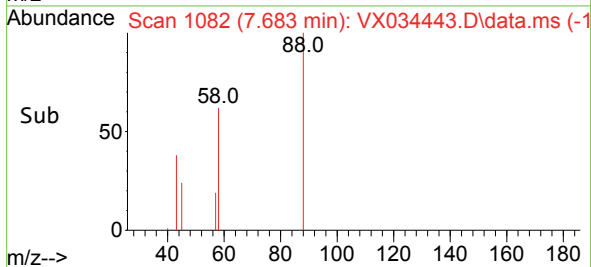
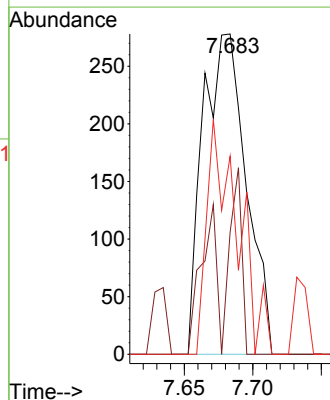
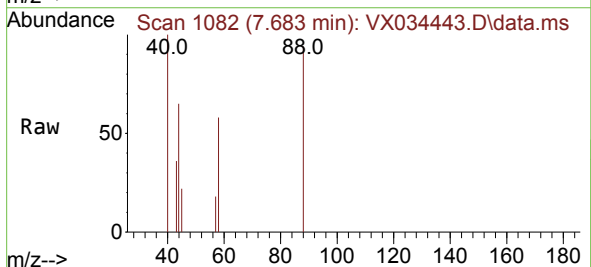
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309

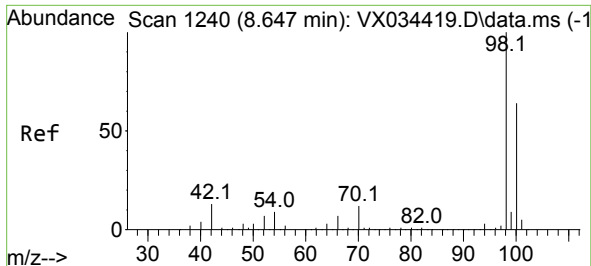
Tgt Ion: 63 Resp: 2073
Ion Ratio Lower Upper
63 100
65 31.8 24.6 37.0



#49
1,4-Dioxane
Concen: 7.226 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.030 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Tgt Ion: 88 Resp: 612
Ion Ratio Lower Upper
88 100
43 16.0 27.7 41.5#
58 0.0 56.8 85.2#

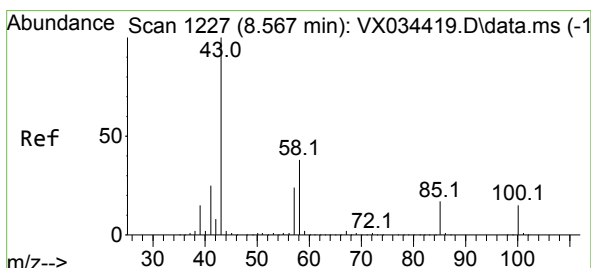
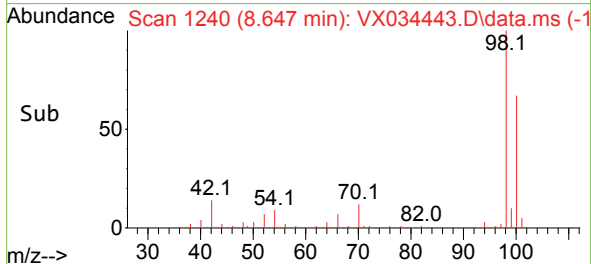
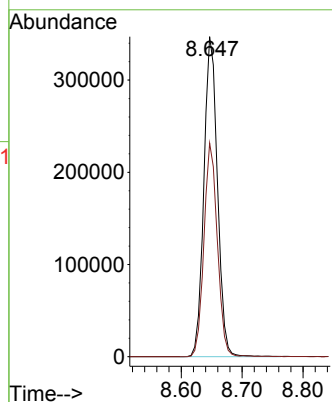
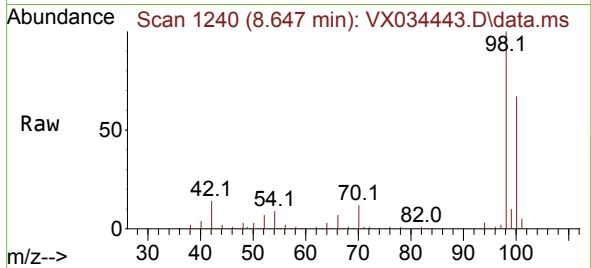




#50
Toluene-d8
Concen: 48.787 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

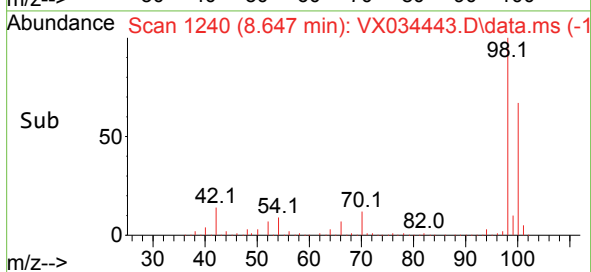
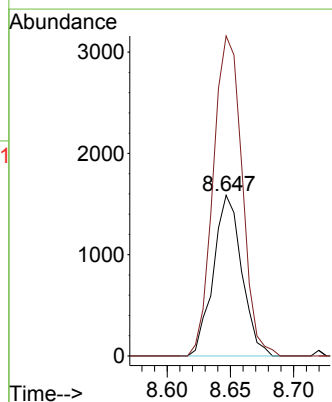
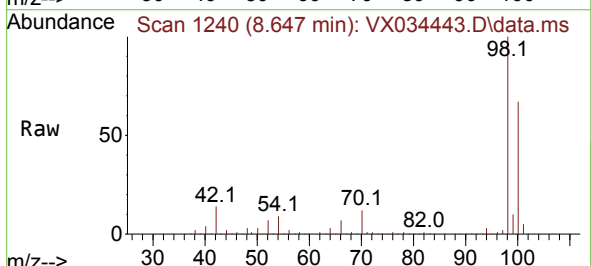
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309

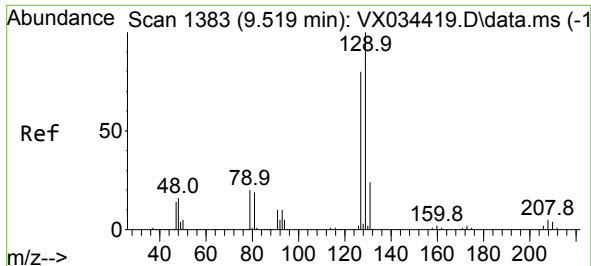
Tgt Ion: 98 Resp: 537198
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.510 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Tgt Ion: 43 Resp: 2479
Ion Ratio Lower Upper
43 100
58 202.1 30.6 46.0#

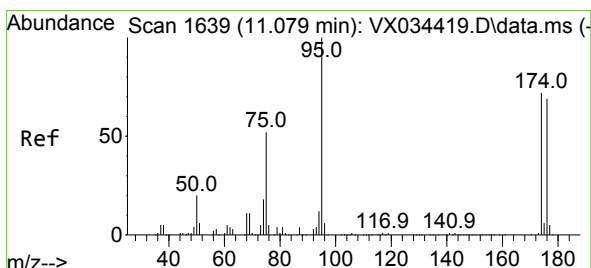
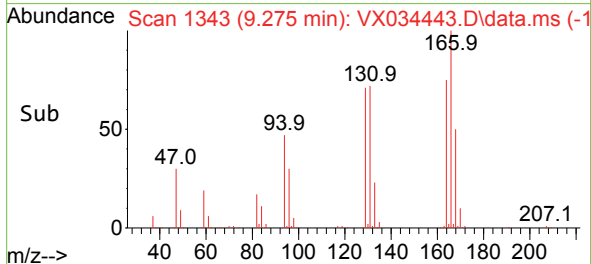
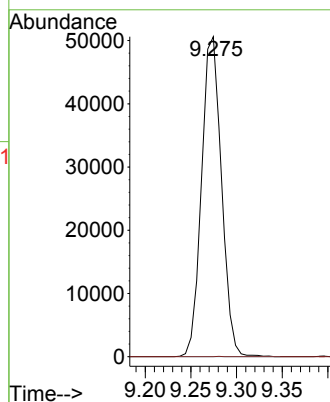
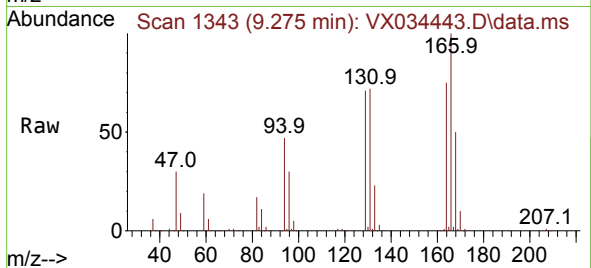




#60
Dibromochloromethane
Concen: 22.458 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

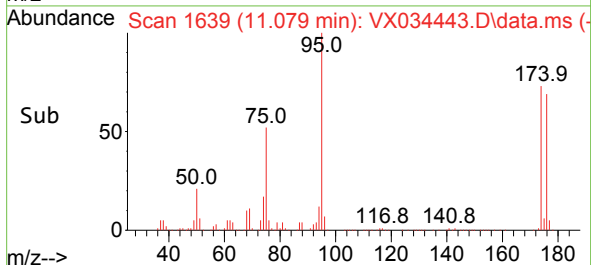
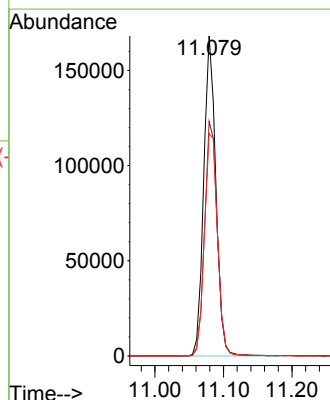
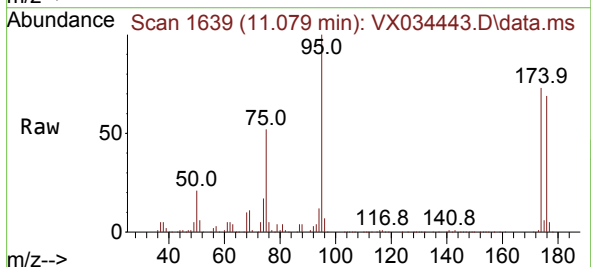
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309

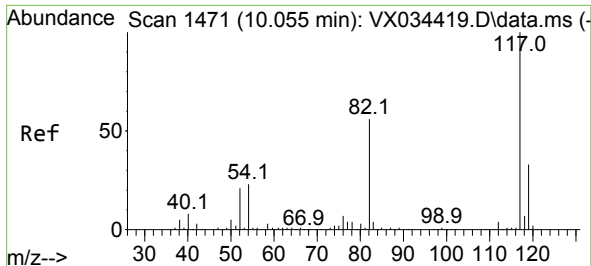
Tgt Ion:129 Resp: 76700
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 46.614 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Tgt Ion: 95 Resp: 207319
Ion Ratio Lower Upper
95 100
174 76.6 0.0 147.4
176 74.8 0.0 140.6

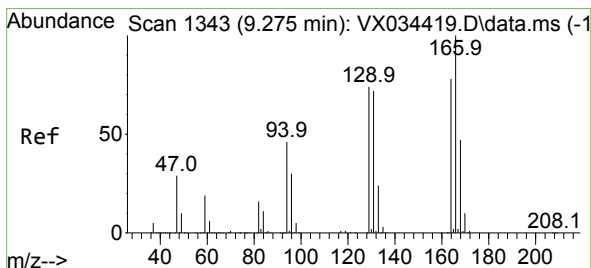
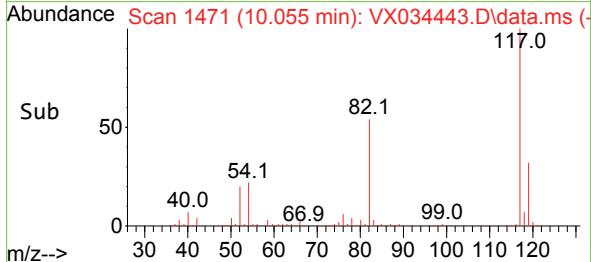
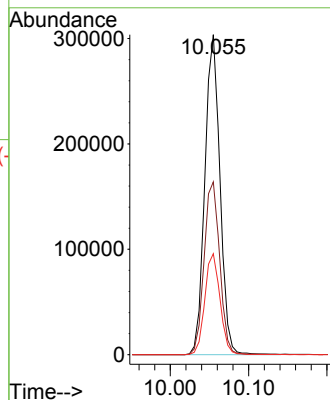
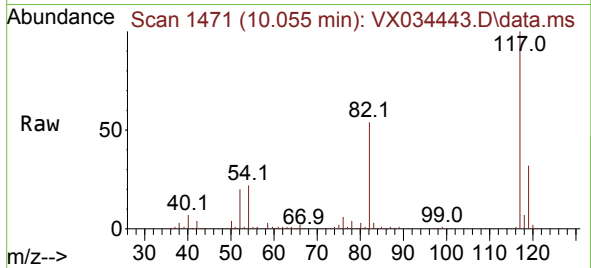




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

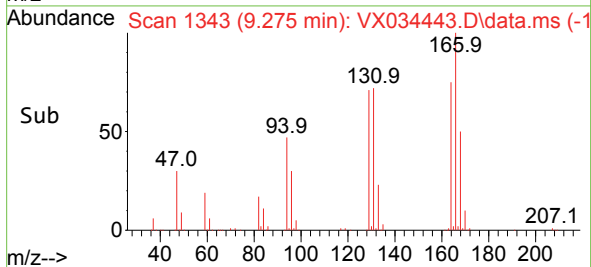
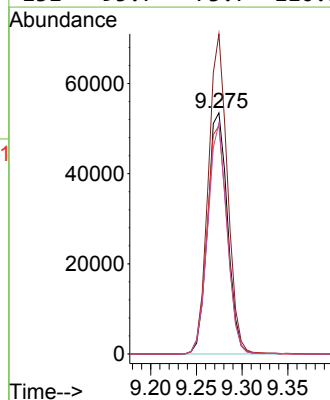
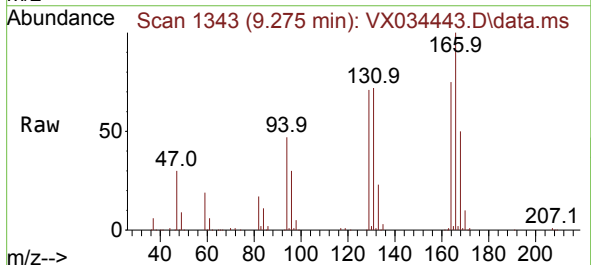
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309

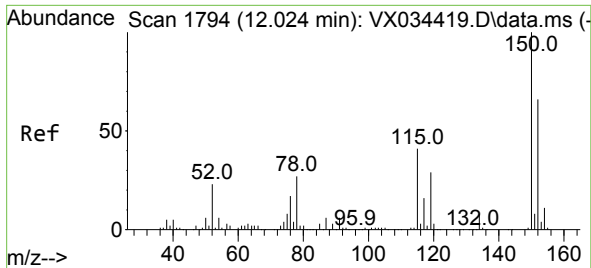
Tgt Ion:117 Resp: 406232
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 31.6 26.0 39.0



#64
Tetrachloroethene
Concen: 29.504 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Tgt Ion:164 Resp: 80510
Ion Ratio Lower Upper
164 100
166 132.7 102.7 154.1
129 94.6 75.6 113.4
131 95.7 73.7 110.5

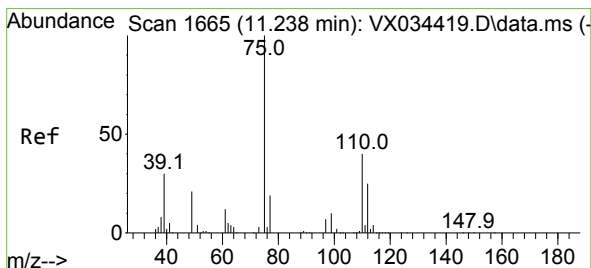
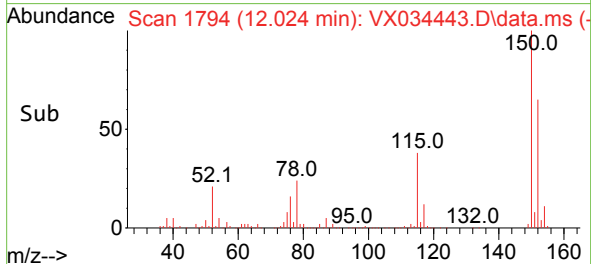
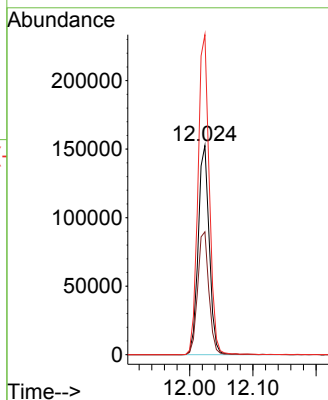
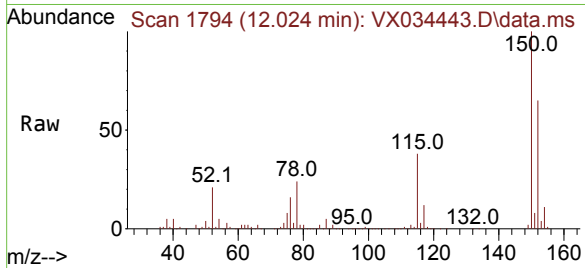




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

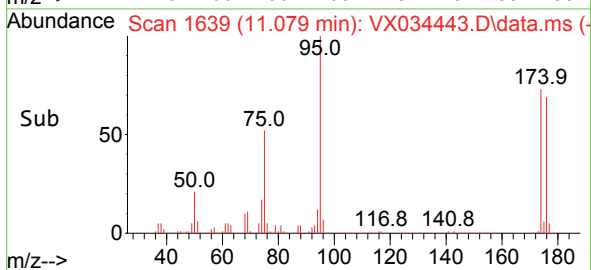
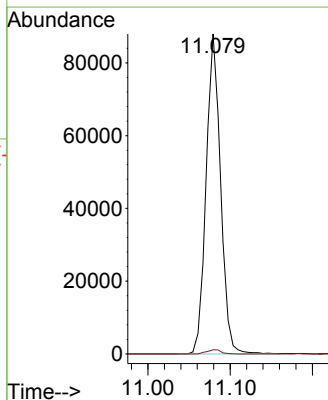
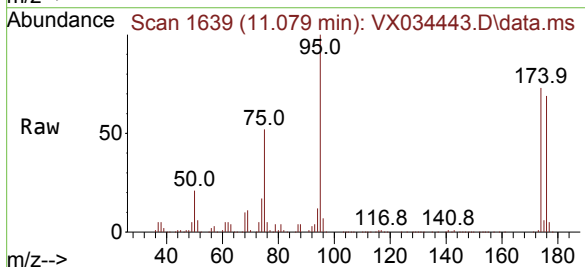
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20230309

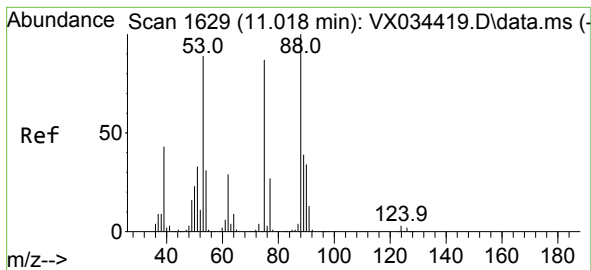
Tgt Ion:152 Resp: 185753
Ion Ratio Lower Upper
152 100
115 59.7 45.0 135.0
150 156.7 0.0 352.4



#76
1,2,3-Trichloropropane
Concen: 25.177 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034443.D
Acq: 13 Mar 2023 19:20

Tgt Ion: 75 Resp: 107382
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.111 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034443.D
 Acq: 13 Mar 2023 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20230309

Tgt Ion: 75 Resp: 107382
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

