

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040274.D
 Acq On : 16 Feb 2024 13:36
 Operator : JC/MD
 Sample : P1507-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20240212

Quant Time: Feb 17 01:35:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

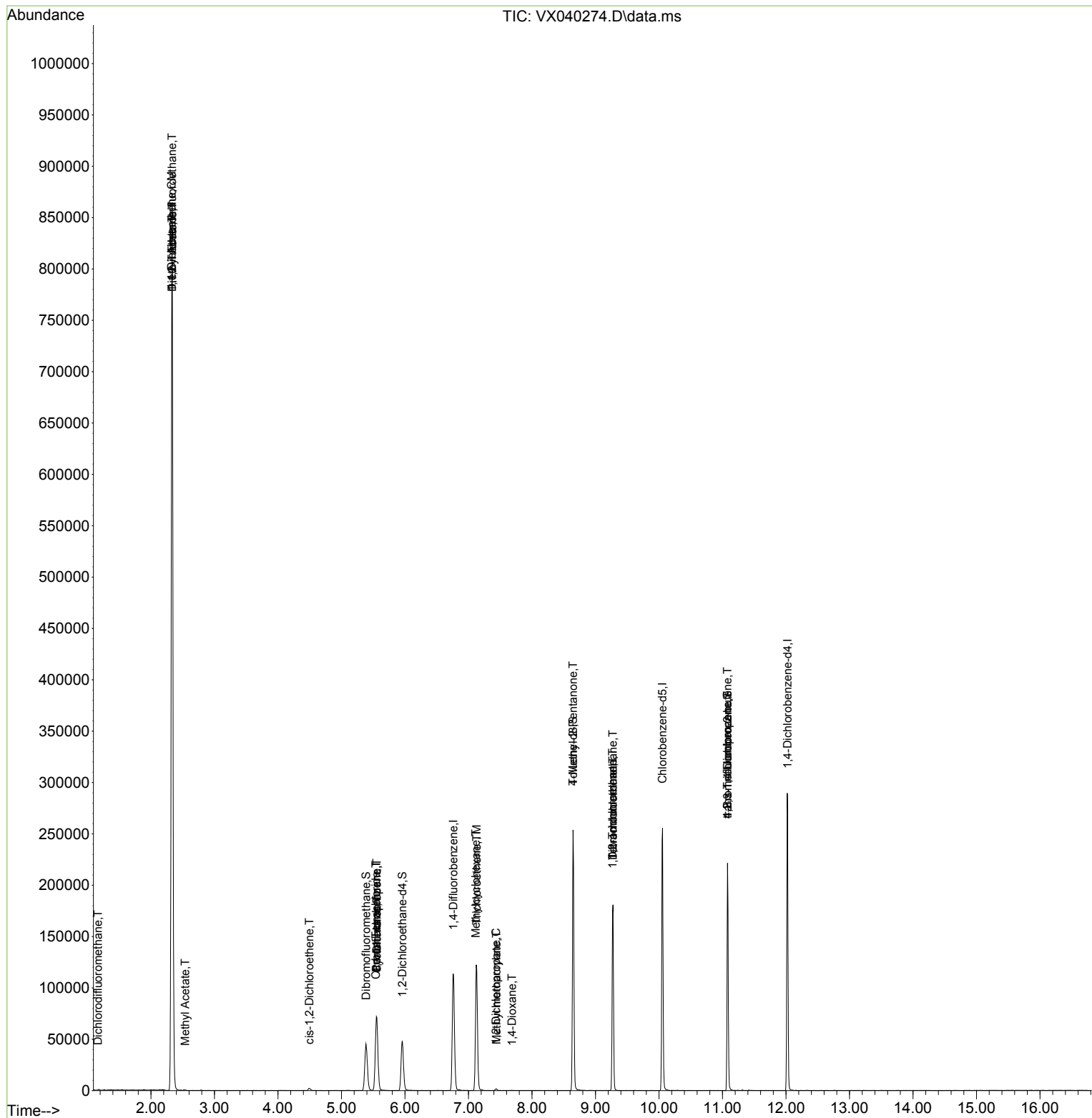
Internal Standards						
1) Pentafluorobenzene	5.550	168	68969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	117266	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46979	45.786	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.580%
35) Dibromofluoromethane	5.385	113	38626	47.167	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.340%
50) Toluene-d8	8.647	98	146337	47.770	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.540%
62) 4-Bromofluorobenzene	11.079	95	56776	45.444	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	175	0.225	ug/l #	41
8) Diethyl Ether	2.331	74	296	0.578	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.331	101	329931	451.137	ug/l	97
12) 1,1-Dichloroethene	2.325	96	1855	2.634	ug/l #	70
16) Acetone	2.337	43	4043	9.594	ug/l	94
18) Methyl Acetate	2.538	43	228	0.202	ug/l #	53
20) Methylene Chloride	2.794	84	231	Below Cal	#	50
27) cis-1,2-Dichloroethene	4.495	96	1520	1.661	ug/l	74
31) Cyclohexane	5.556	56	1590	1.299	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	5803	5.059	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7104	6.513	ug/l #	15
39) Methylcyclohexane	7.117	83	643	0.482	ug/l #	1
44) Trichloroethene	7.129	130	46665	52.735	ug/l	91
45) 1,2-Dichloropropane	7.434	63	897	1.074	ug/l	91
48) Methyl methacrylate	7.440	41	336	0.330	ug/l #	8
49) 1,4-Dioxane	7.684	88	120	5.410	ug/l #	52
51) 4-Methyl-2-Pentanone	8.647	43	571	0.420	ug/l #	1
55) 1,1,2-Trichloroethane	9.269	97	265	0.296	ug/l #	11
60) Dibromochloromethane	9.275	129	32743	35.859	ug/l #	11
64) Tetrachloroethene	9.275	164	33998	42.140	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	30098	25.165	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	30098	69.200	ug/l #	5

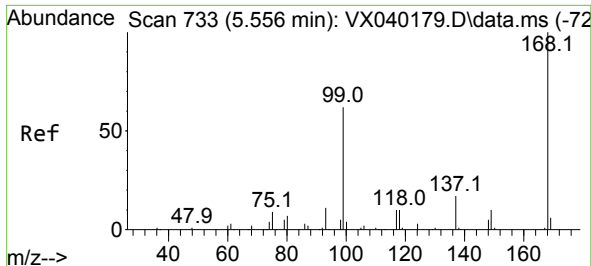
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration

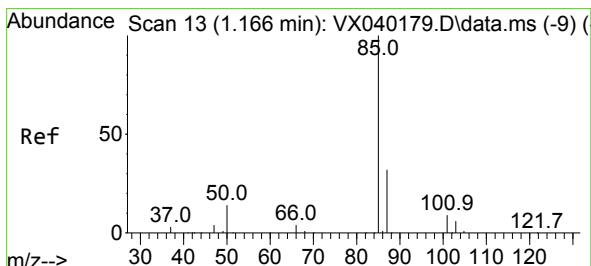
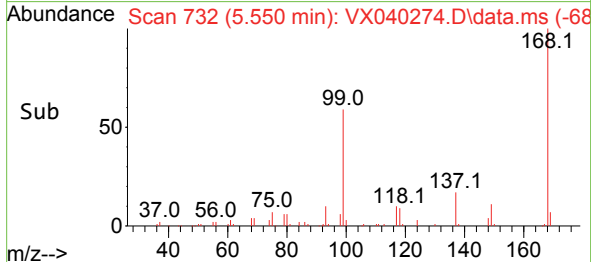
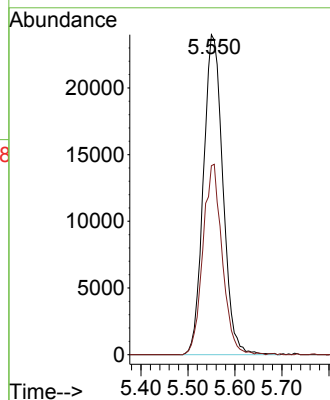
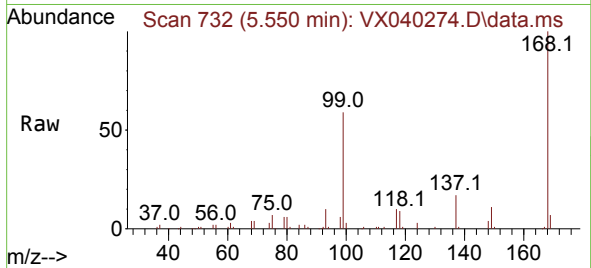




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

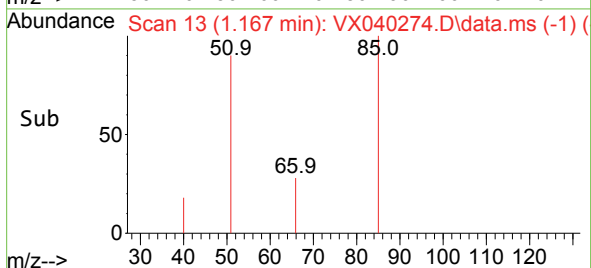
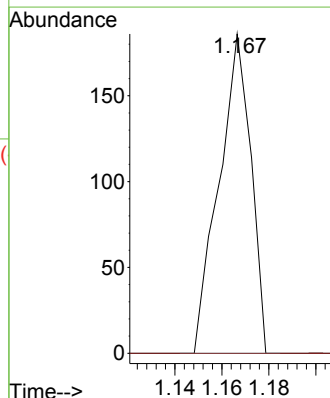
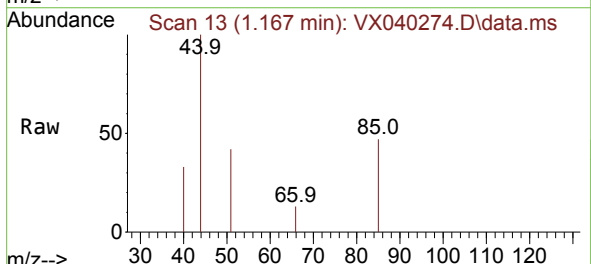
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

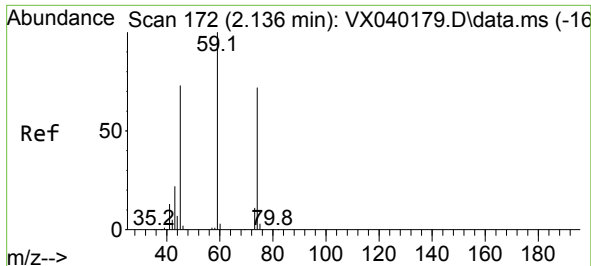
Tgt Ion:168 Resp: 68969
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.225 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion: 85 Resp: 175
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.1#

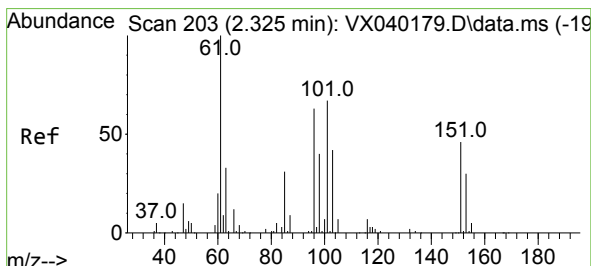
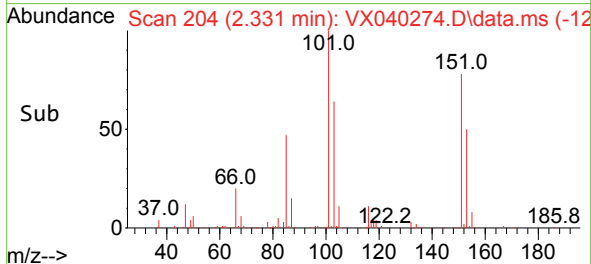
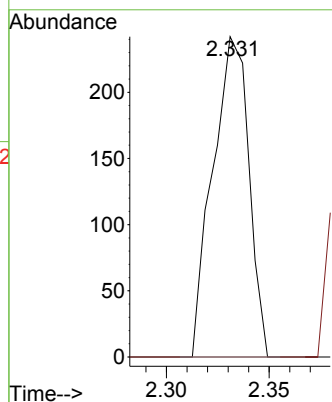
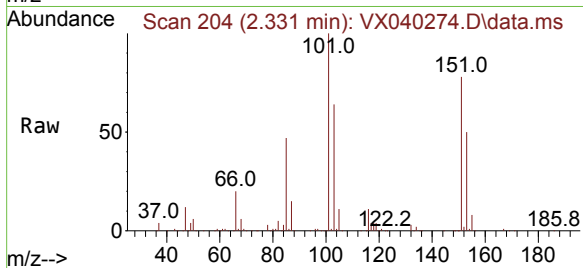




#8
Diethyl Ether
Concen: 0.578 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.195 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

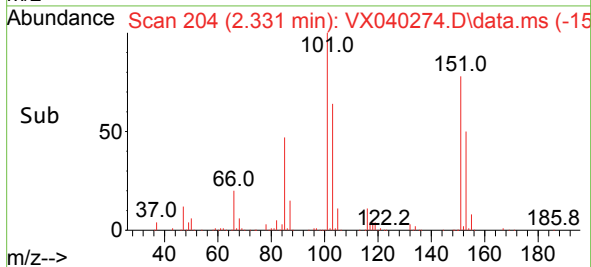
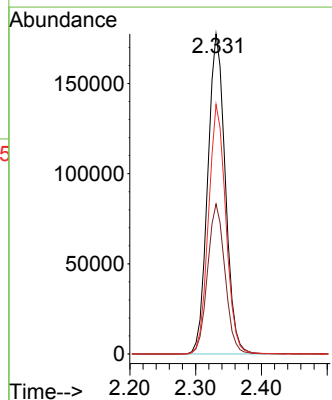
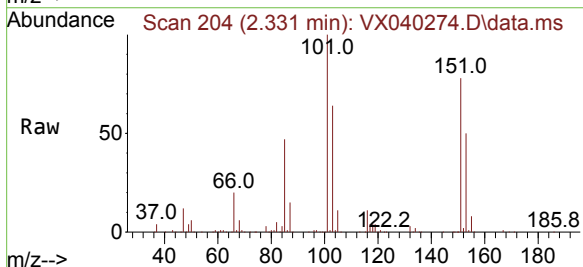
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

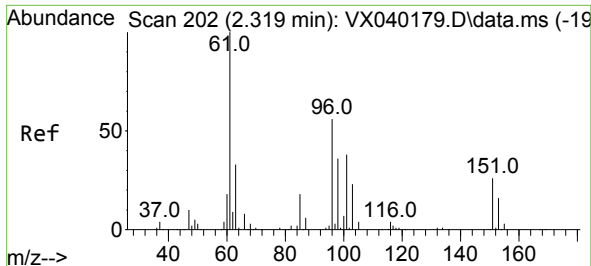
Tgt Ion: 74 Resp: 296
Ion Ratio Lower Upper
74 100
45 0.0 53.3 159.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 451.137 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion:101 Resp: 329931
Ion Ratio Lower Upper
101 100
85 46.5 37.0 55.6
151 76.9 58.6 87.8





#12

1,1-Dichloroethene

Concen: 2.634 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040274.D

Acq: 16 Feb 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20240212

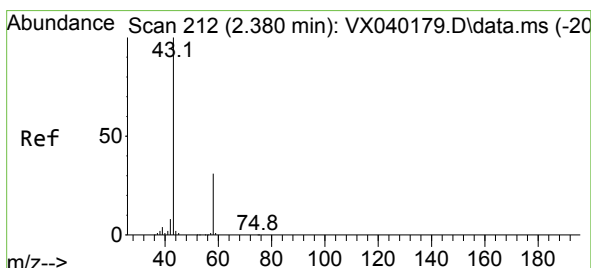
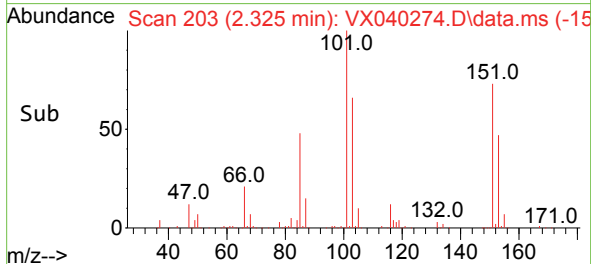
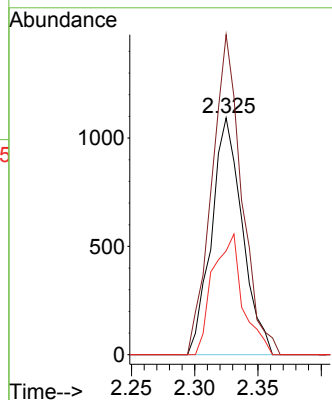
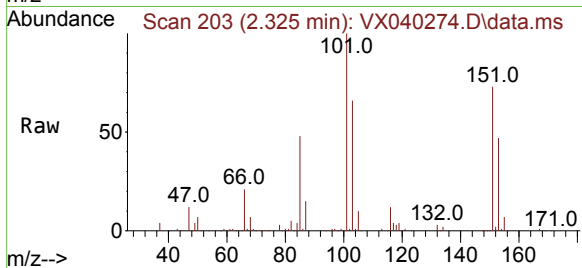
Tgt Ion: 96 Resp: 1855

Ion Ratio Lower Upper

96 100

61 135.1 144.6 216.8#

98 43.8 50.4 75.6#



#16

Acetone

Concen: 9.594 ug/l

RT: 2.337 min Scan# 205

Delta R.T. -0.042 min

Lab File: VX040274.D

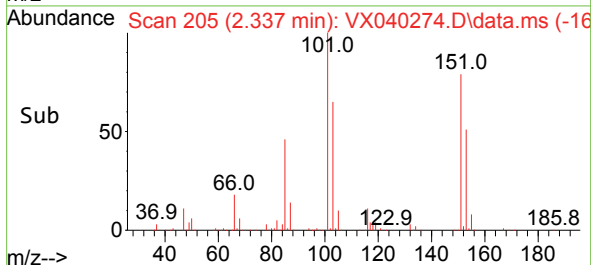
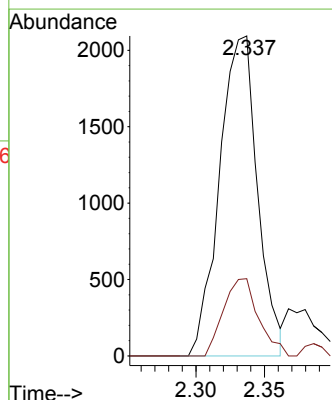
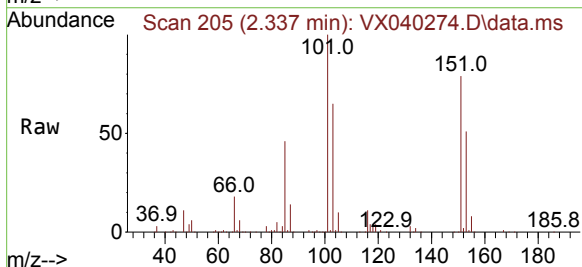
Acq: 16 Feb 2024 13:36

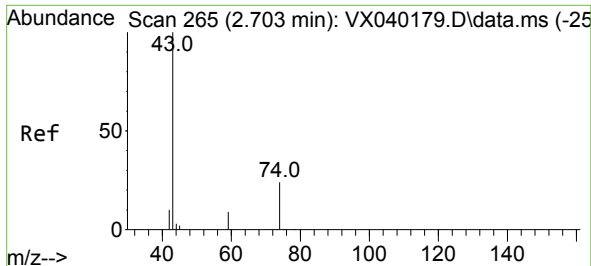
Tgt Ion: 43 Resp: 4043

Ion Ratio Lower Upper

43 100

58 24.2 21.9 32.9

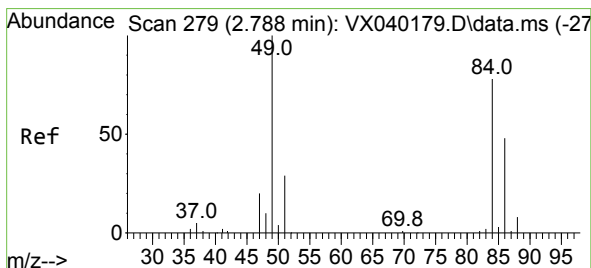
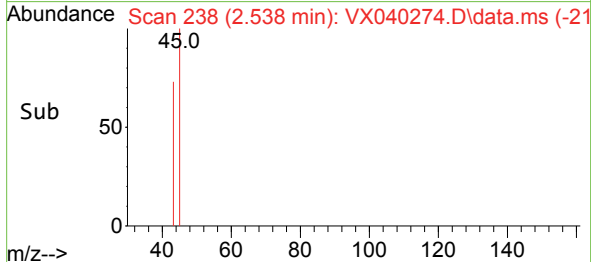
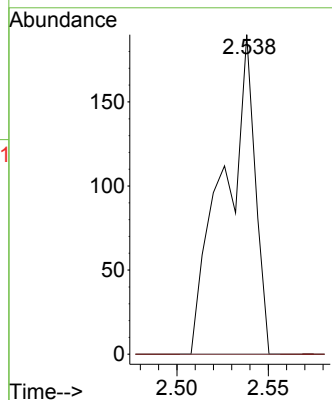
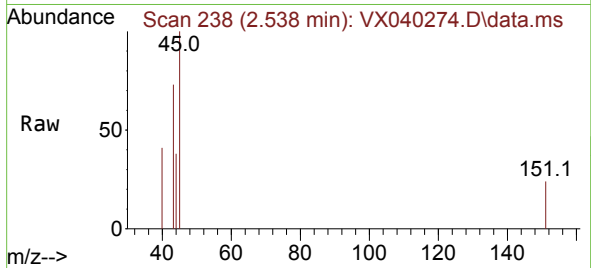




#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.164 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

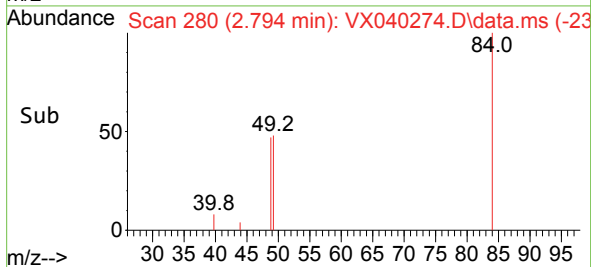
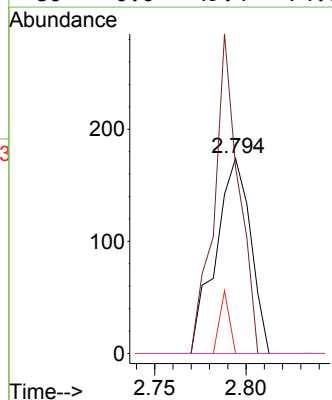
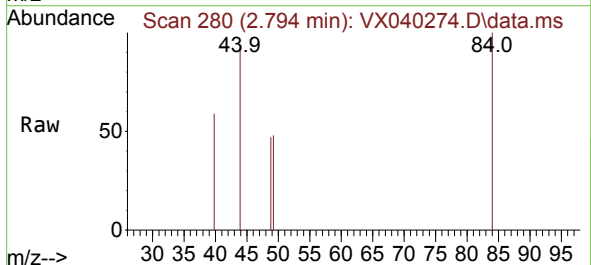
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

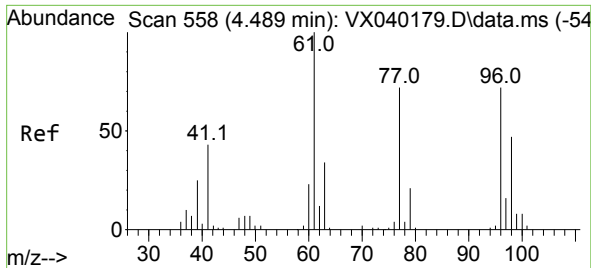
Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

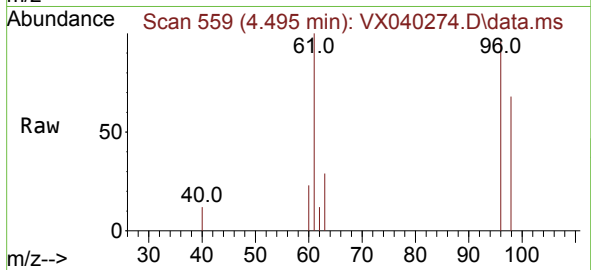
Tgt Ion: 84 Resp: 231
Ion Ratio Lower Upper
84 100
49 95.4 103.6 155.4#
51 0.0 33.8 50.6#
86 0.0 49.4 74.0#



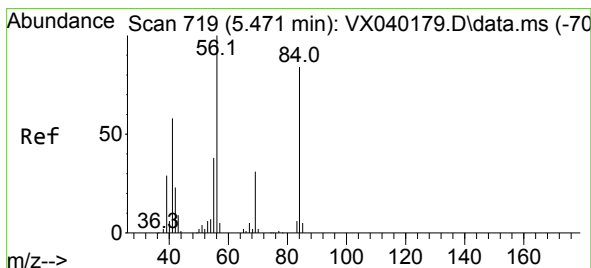
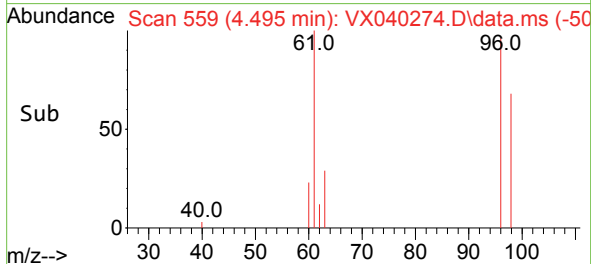
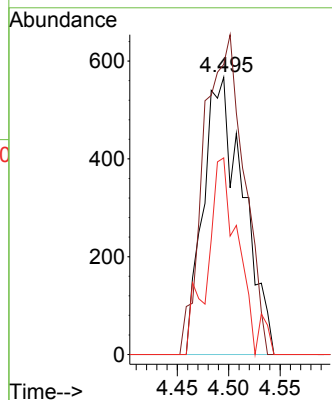


#27
cis-1,2-Dichloroethene
Concen: 1.661 ug/l
RT: 4.495 min Scan# 511
Delta R.T. 0.006 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

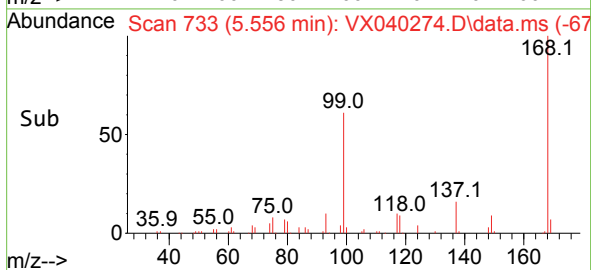
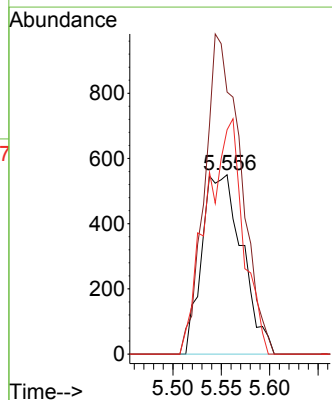
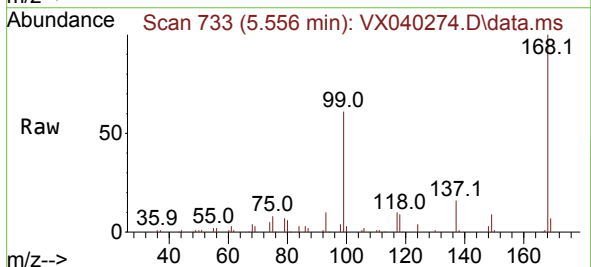


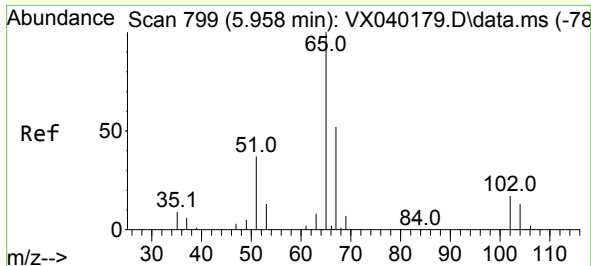
Tgt Ion: 96	Resp: 1520
Ion Ratio	Lower Upper
96 100	
61 116.6	0.0 312.2
98 53.4	0.0 129.0



#31
Cyclohexane
Concen: 1.299 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion: 56	Resp: 1590
Ion Ratio	Lower Upper
56 100	
69 146.2	23.4 35.2#
84 125.1	65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.786 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX040274.D

Acq: 16 Feb 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :

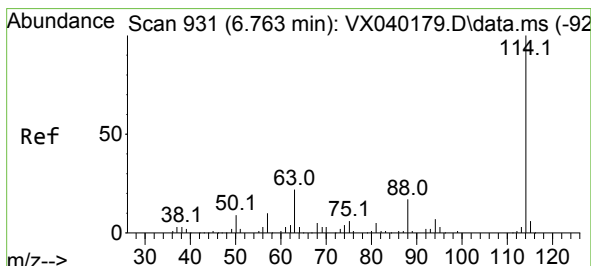
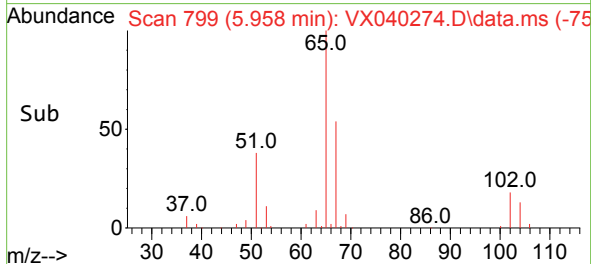
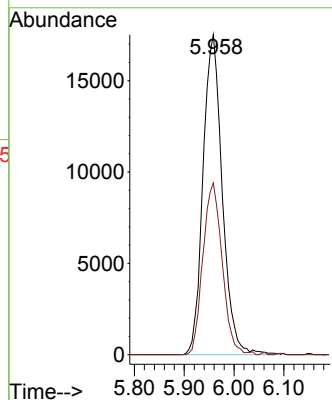
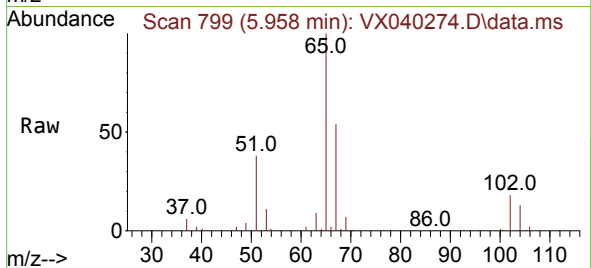
RE134D4-20240212

Tgt Ion: 65 Resp: 46979

Ion Ratio Lower Upper

65 100

67 53.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX040274.D

Acq: 16 Feb 2024 13:36

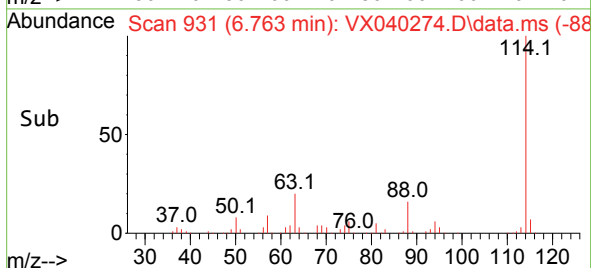
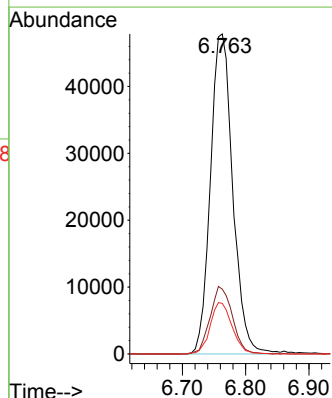
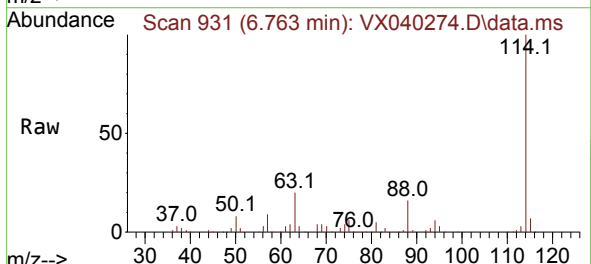
Tgt Ion: 114 Resp: 117266

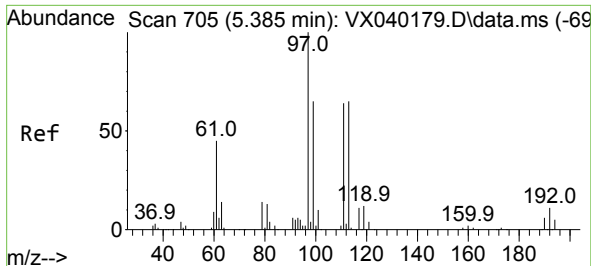
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

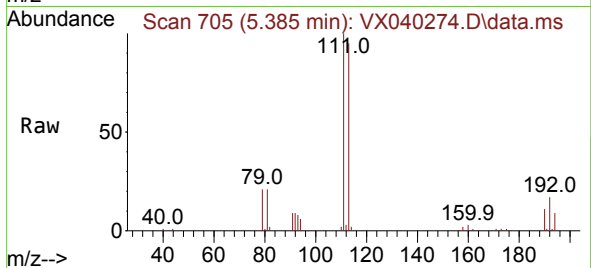
88 15.8 0.0 36.6



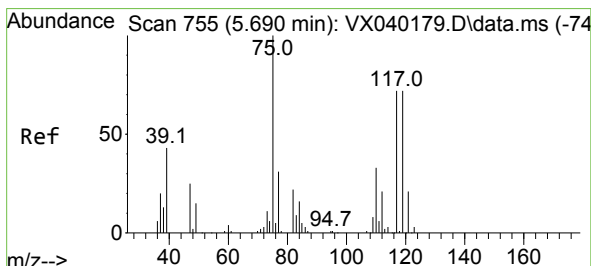
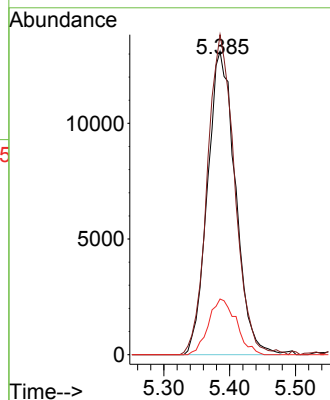
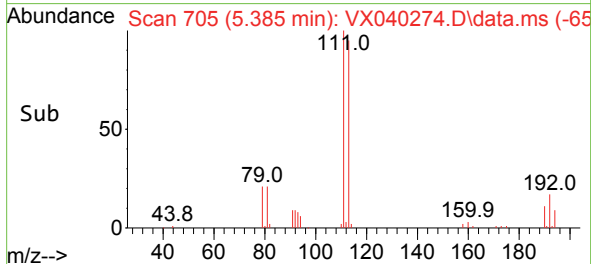


#35
Dibromofluoromethane
Concen: 47.167 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Instrument :
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ClientSampleId :
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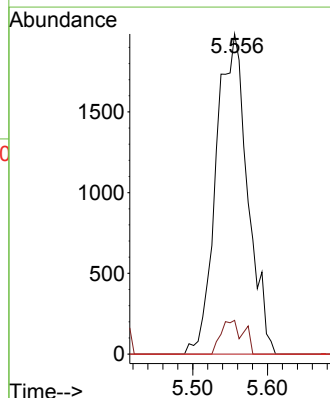
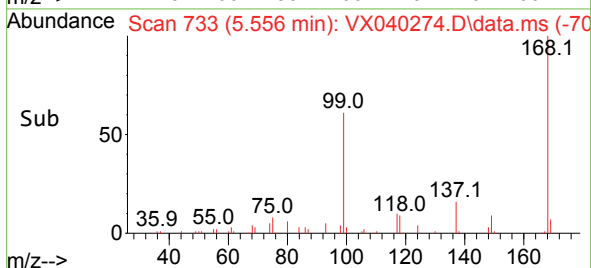
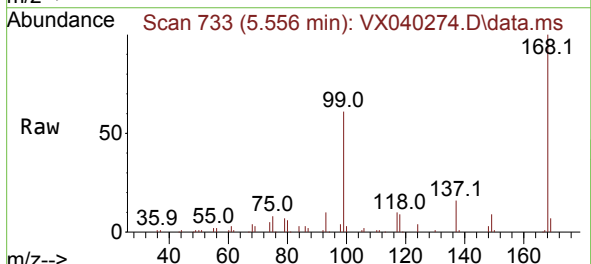


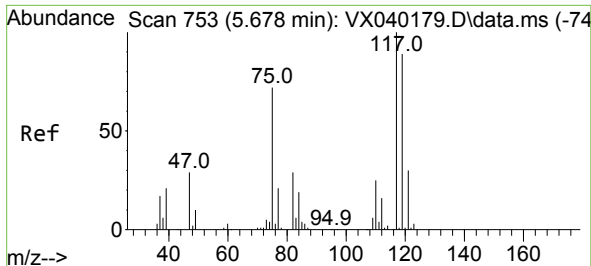
Tgt Ion:113 Resp: 38626
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.059 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

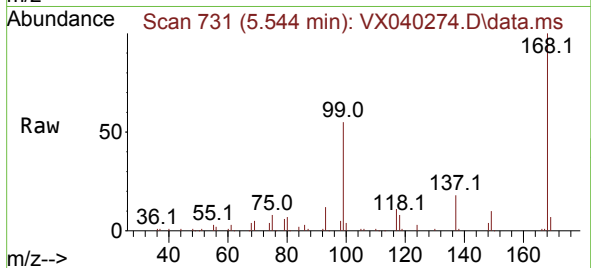
Tgt Ion: 75 Resp: 5803
Ion Ratio Lower Upper
75 100
110 7.6 17.0 50.9#
77 0.0 24.7 37.1#



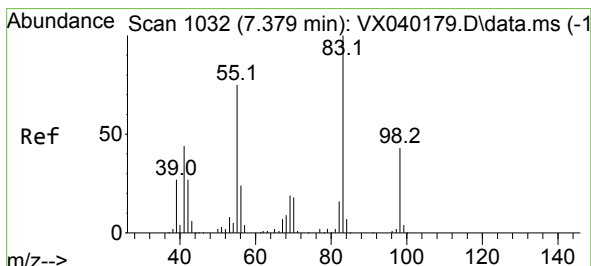
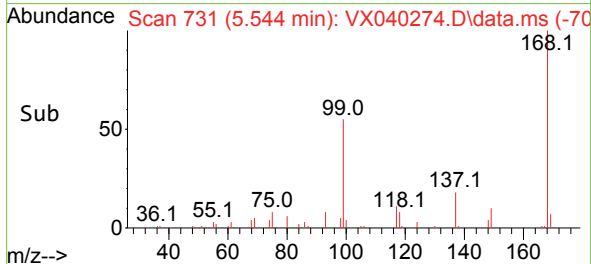
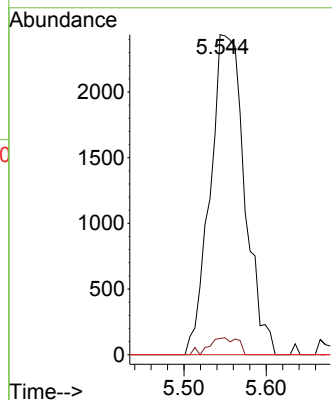


#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

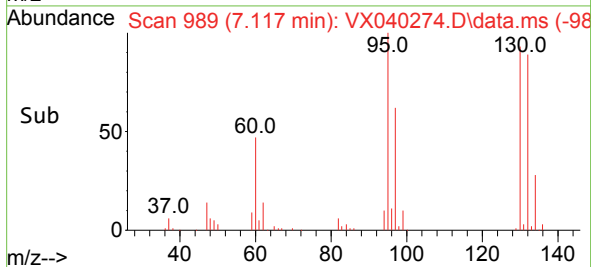
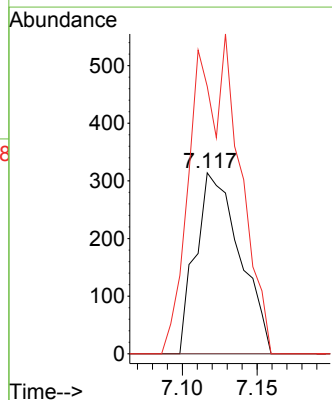
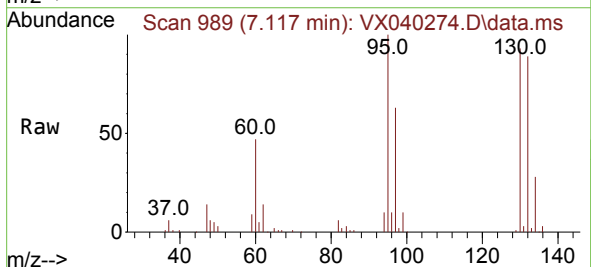


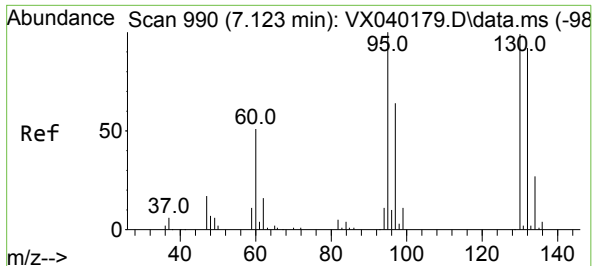
Tgt Ion:117 Resp: 7104
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.482 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.262 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion: 83 Resp: 643
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 147.8 36.7 55.1#

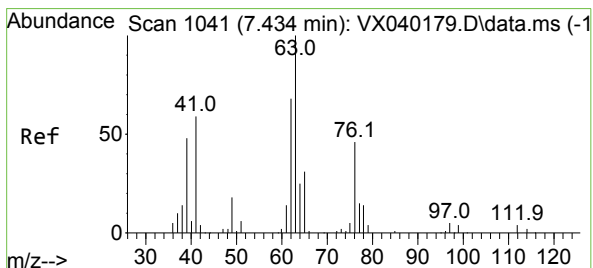
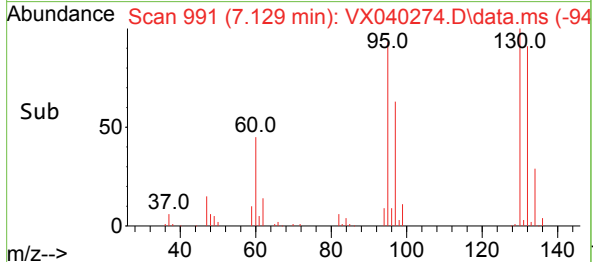
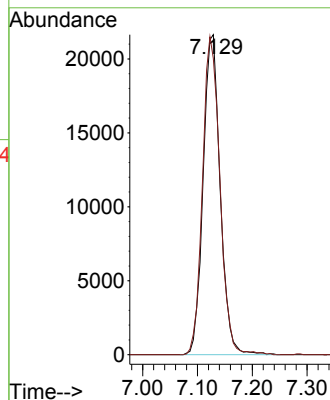
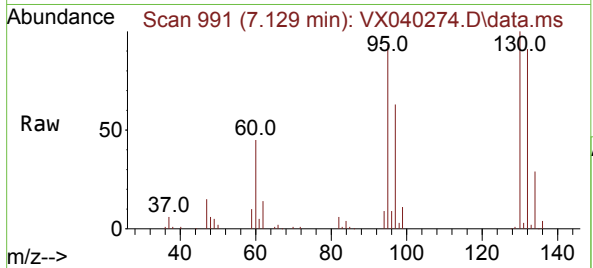




#44
Trichloroethene
Concen: 52.735 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

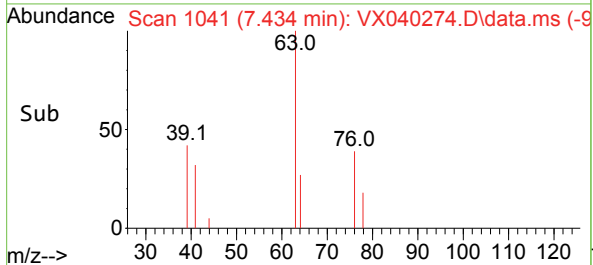
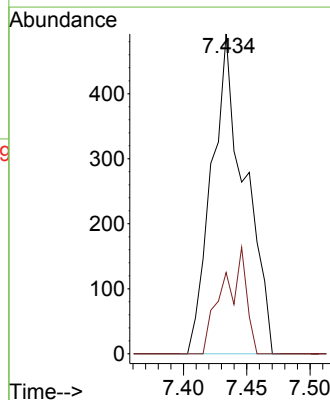
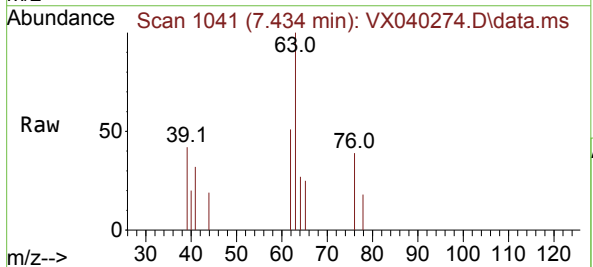
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

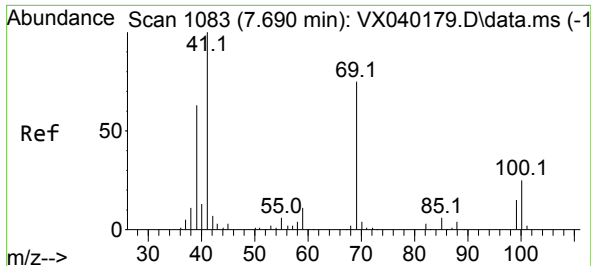
Tgt Ion:130 Resp: 46665
Ion Ratio Lower Upper
130 100
95 92.6 0.0 204.4



#45
1,2-Dichloropropane
Concen: 1.074 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion: 63 Resp: 897
Ion Ratio Lower Upper
63 100
65 25.4 24.3 36.5

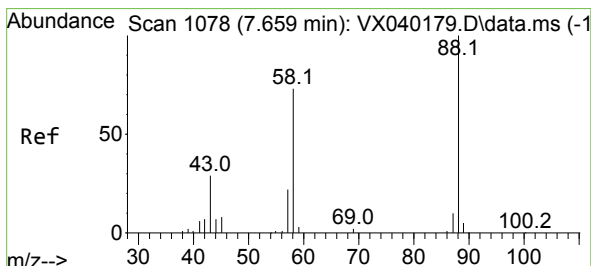
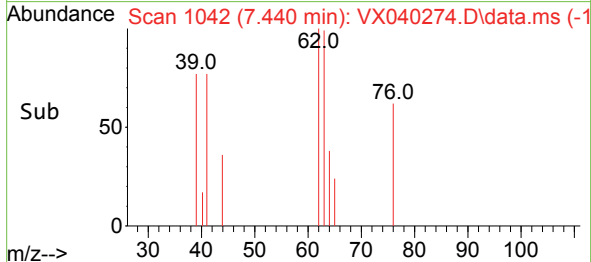
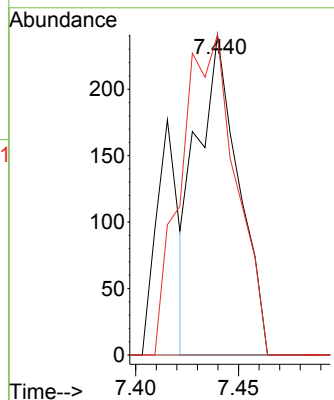
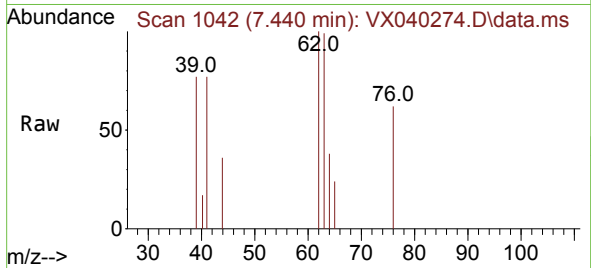




#48
Methyl methacrylate
Concen: 0.330 ug/l
RT: 7.440 min Scan# 1082
Delta R.T. -0.256 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

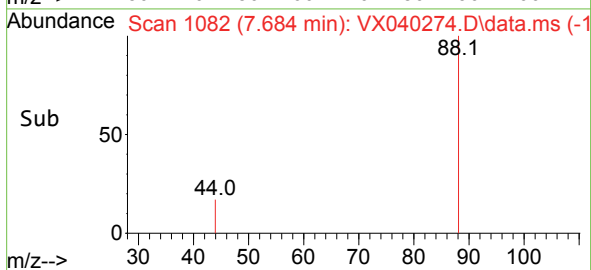
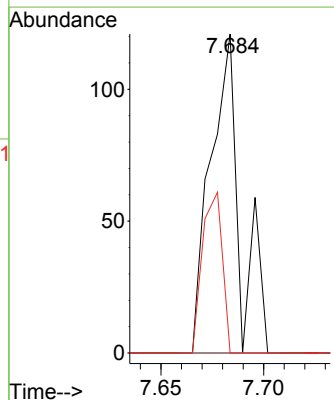
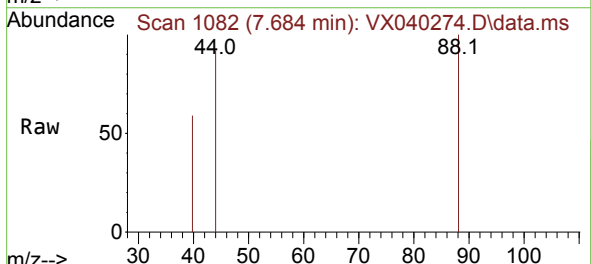
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

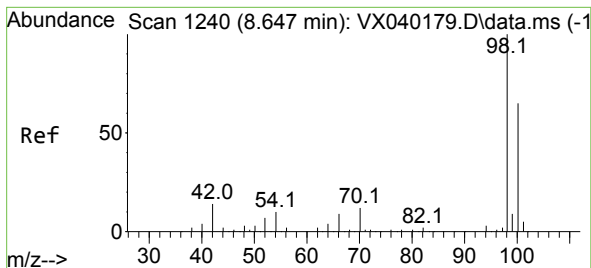
Tgt Ion: 41 Resp: 336
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 132.7 47.7 71.5#



#49
1,4-Dioxane
Concen: 5.410 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 34.2 60.1 90.1#





#50

Toluene-d8

Concen: 47.770 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040274.D

Acq: 16 Feb 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :

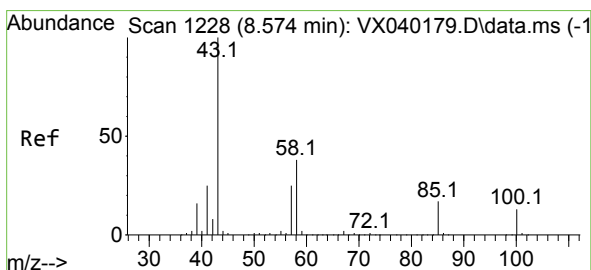
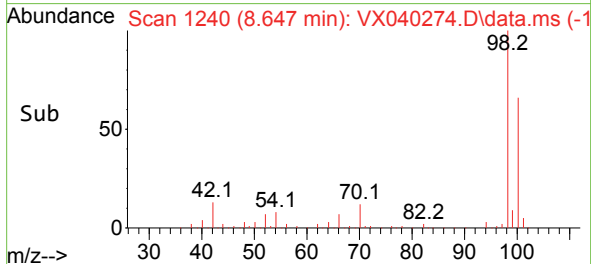
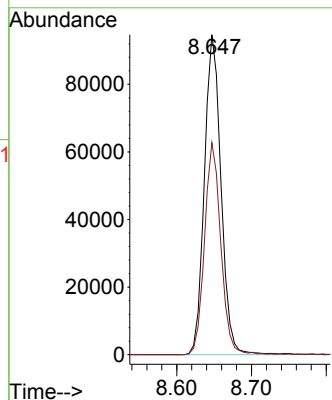
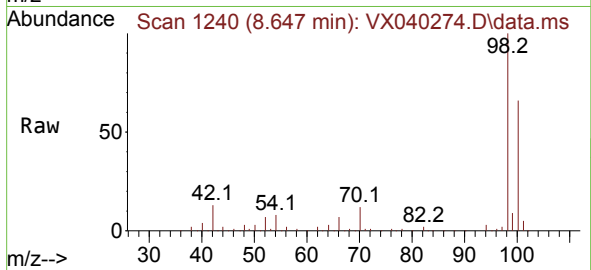
RE134D4-20240212

Tgt Ion: 98 Resp: 146337

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.420 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX040274.D

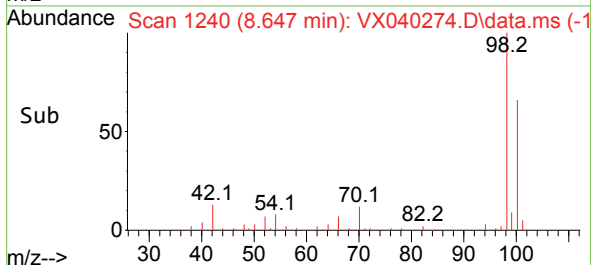
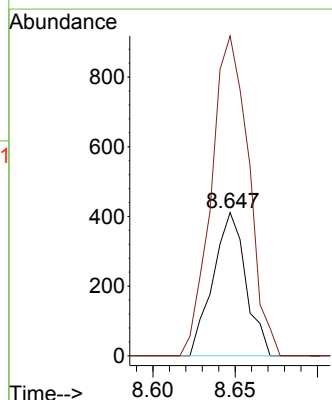
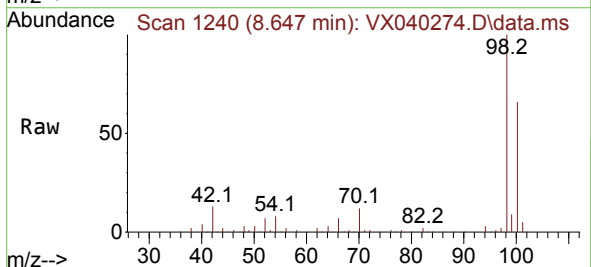
Acq: 16 Feb 2024 13:36

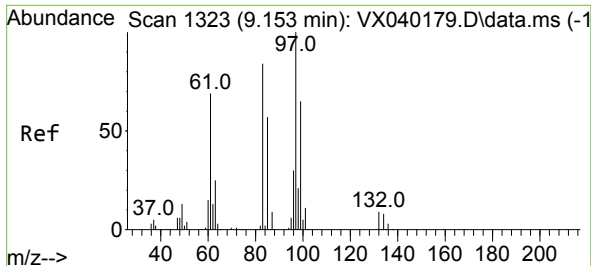
Tgt Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

58 254.3 30.4 45.6#

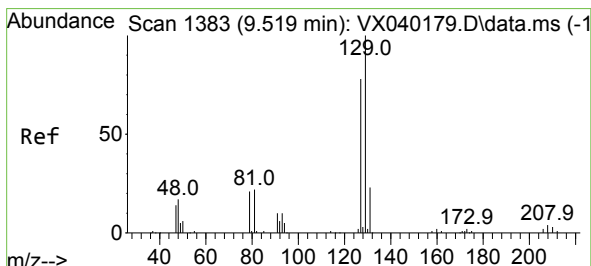
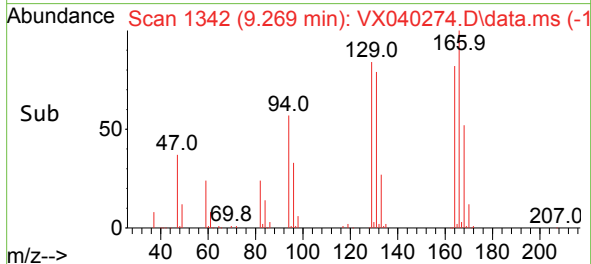
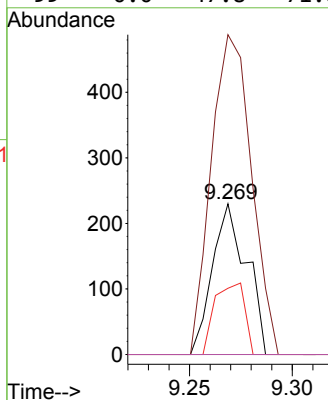
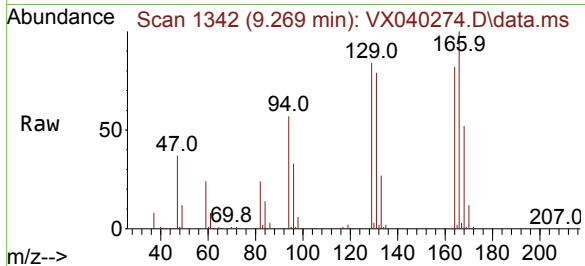




#55
 1,1,2-Trichloroethane
 Concen: 0.296 ug/l
 RT: 9.269 min Scan# 1342
 Delta R.T. 0.116 min
 Lab File: VX040274.D
 Acq: 16 Feb 2024 13:36

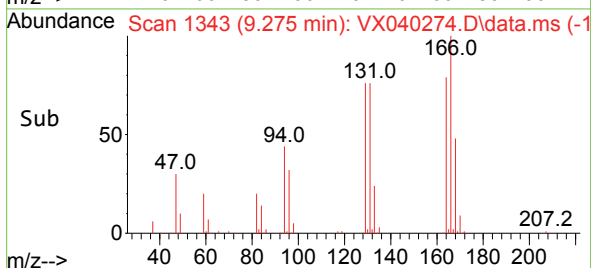
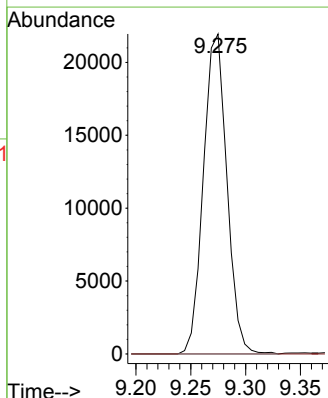
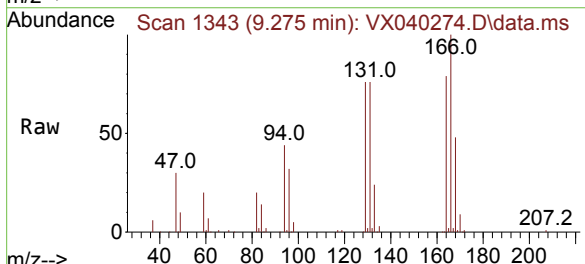
Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20240212

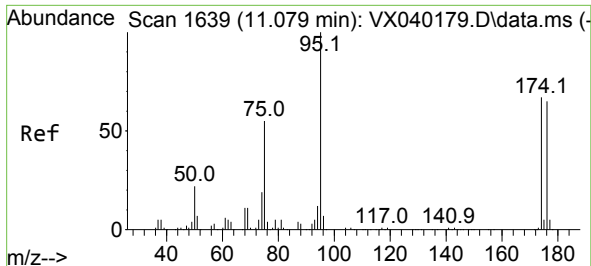
Tgt Ion: 97	Resp:	265
Ion	Ratio	Lower Upper
97	100	
83	212.2	65.8 98.8#
85	43.9	41.6 62.4
99	0.0	47.8 71.8#



#60
 Dibromochloromethane
 Concen: 35.859 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX040274.D
 Acq: 16 Feb 2024 13:36

Tgt Ion: 129	Resp:	32743
Ion	Ratio	Lower Upper
129	100	
127	0.0	38.8 116.4#

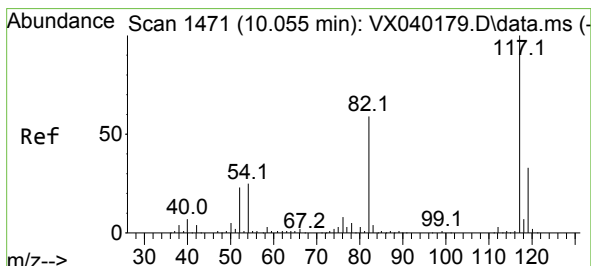
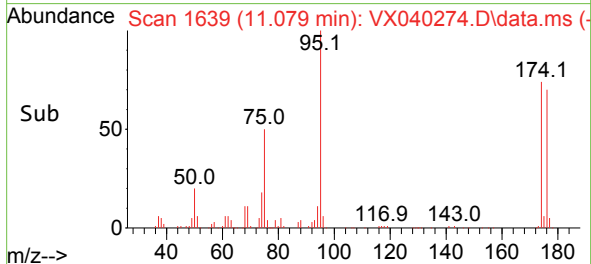
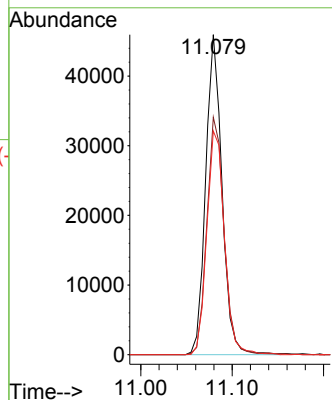
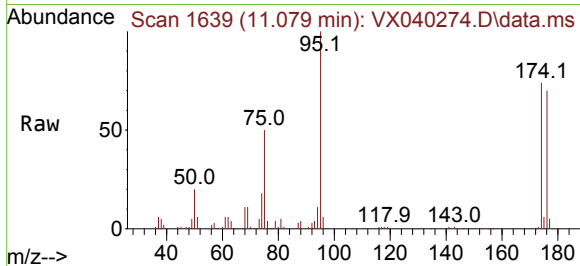




#62
4-Bromofluorobenzene
Concen: 45.444 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

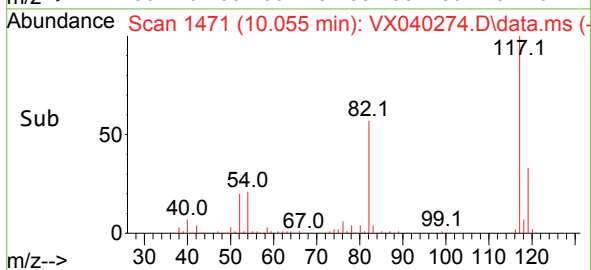
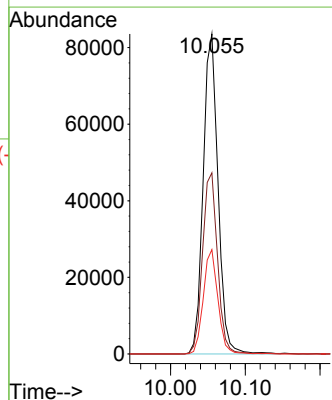
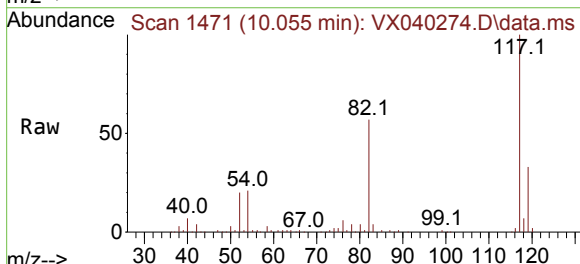
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

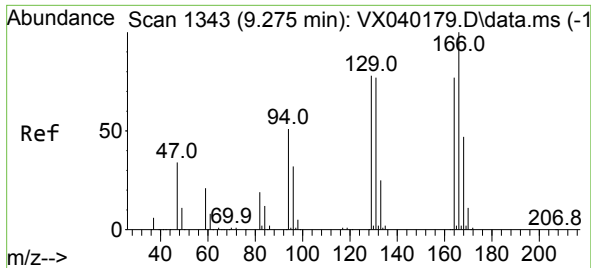
Tgt Ion: 95 Resp: 56776
Ion Ratio Lower Upper
95 100
174 77.7 0.0 135.6
176 75.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion: 117 Resp: 115128
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.6 25.5 38.3

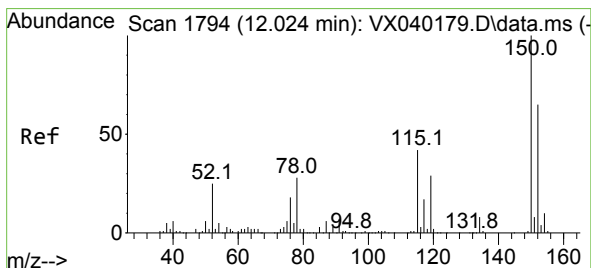
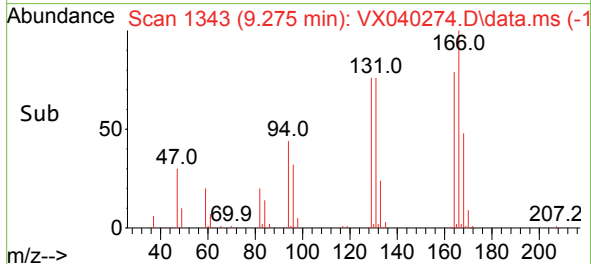
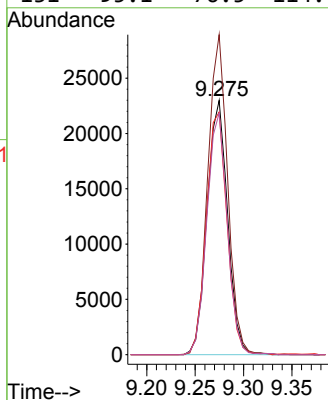
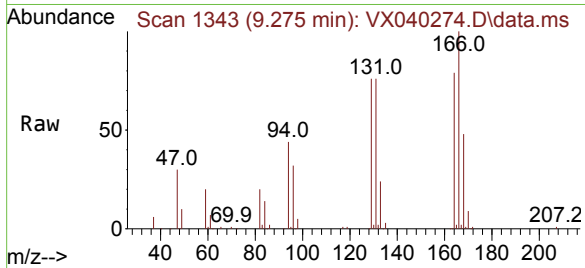




#64
Tetrachloroethene
Concen: 42.140 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

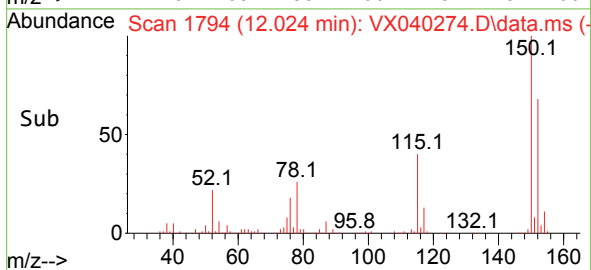
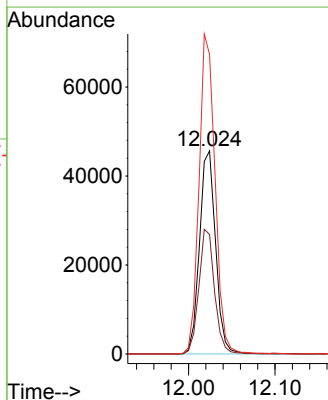
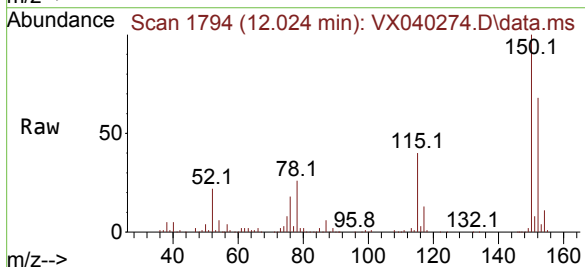
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

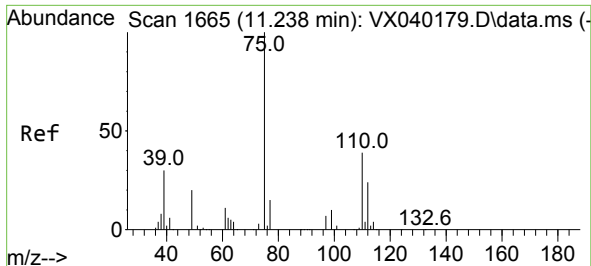
Tgt Ion:164 Resp: 33998
Ion Ratio Lower Upper
164 100
166 125.9 102.7 154.1
129 95.5 80.4 120.6
131 95.1 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion:152 Resp: 59061
Ion Ratio Lower Upper
152 100
115 59.7 43.3 129.9
150 156.5 0.0 345.0

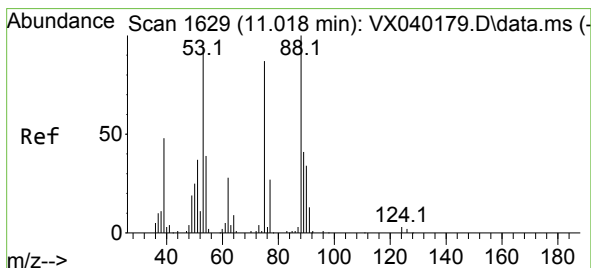
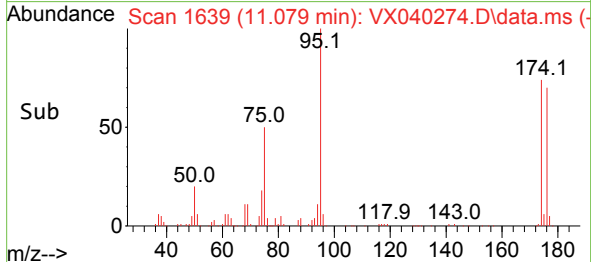
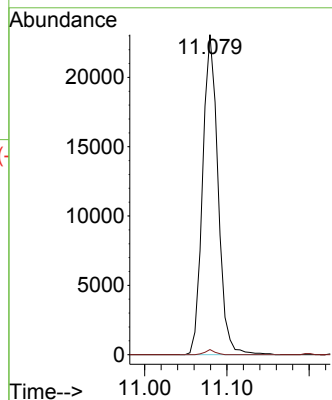
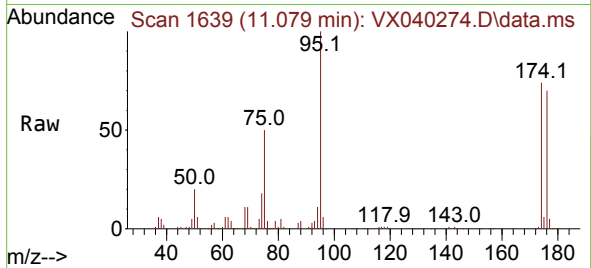




#76
1,2,3-Trichloropropane
Concen: 25.165 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20240212

Tgt Ion: 75 Resp: 30098
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.200 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040274.D
Acq: 16 Feb 2024 13:36

Tgt Ion: 75 Resp: 30098
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

