

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027810.D
 Acq On : 30 Mar 2022 15:04
 Operator : JC/MD
 Sample : N2041-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20220318

Quant Time: Mar 31 05:49:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

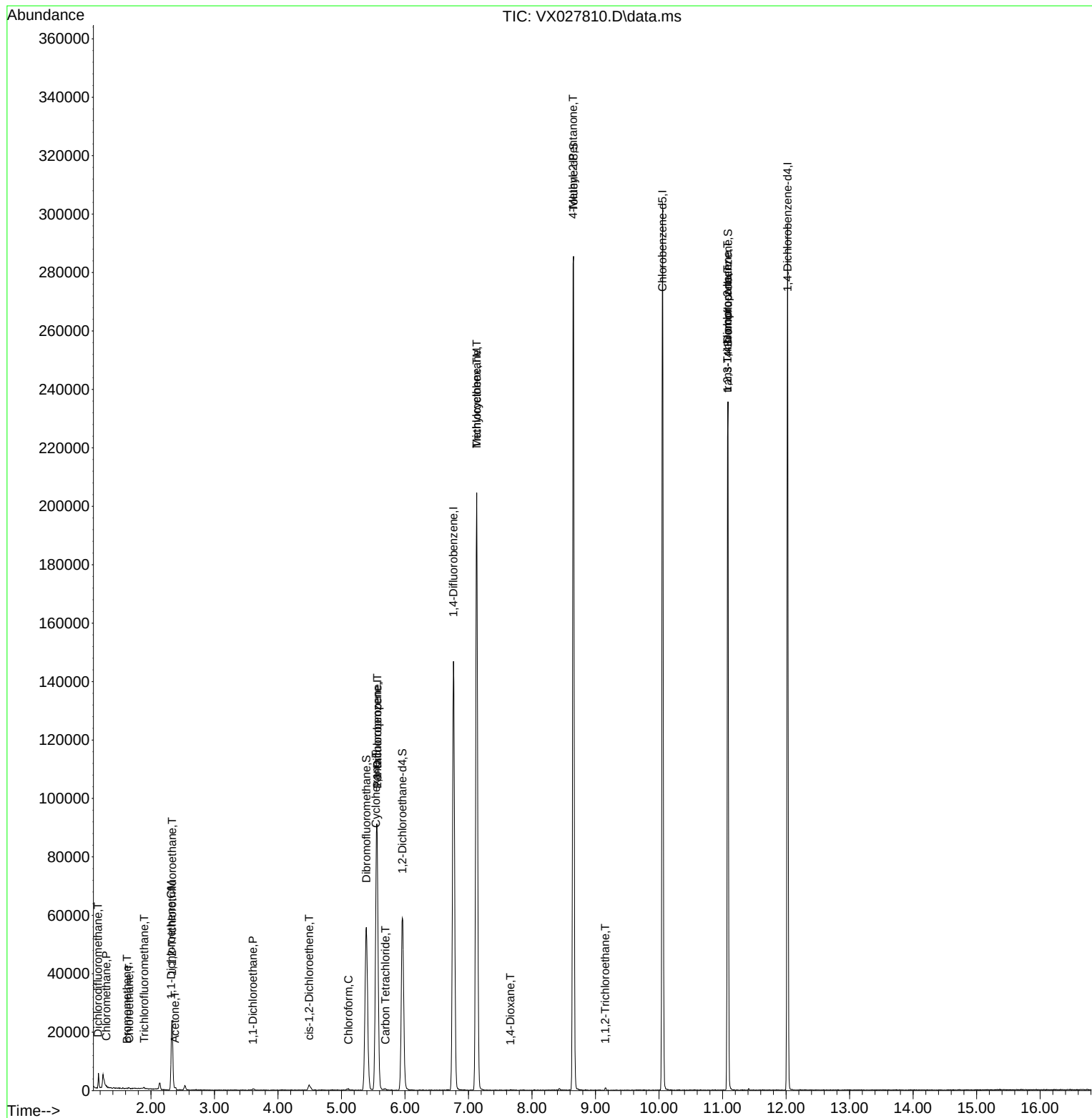
Internal Standards						
1) Pentafluorobenzene	5.562	168	80976	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	140817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59433	56.884	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	113.760%
35) Dibromofluoromethane	5.391	113	48050	52.864	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.720%
50) Toluene-d8	8.653	98	173195	54.156	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.320%
62) 4-Bromofluorobenzene	11.085	95	63509	46.730	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	536	0.730	ug/l	91
3) Chloromethane	1.294	50	133	0.205	ug/l	# 42
5) Bromomethane	1.624	94	83	0.277	ug/l	# 3
6) Chloroethane	1.654	64	117	0.261	ug/l	# 43
7) Trichlorofluoromethane	1.892	101	260	0.223	ug/l	# 58
9) 1,1,2-Trichlorotrifluo...	2.331	101	9534	12.574	ug/l	95
12) 1,1-Dichloroethene	2.319	96	460	0.661	ug/l	# 25
16) Acetone	2.380	43	997	2.156	ug/l	# 78
24) 1,1-Dichloroethane	3.605	63	720	0.500	ug/l	# 81
27) cis-1,2-Dichloroethene	4.489	96	1100	1.208	ug/l	92
30) Chloroform	5.111	83	647	0.404	ug/l	# 66
31) Cyclohexane	5.544	56	1901	1.646	ug/l	# 53
36) 1,1-Dichloropropene	5.562	75	7152	6.247	ug/l	# 49
38) Carbon Tetrachloride	5.690	117	632	0.500	ug/l	# 42
39) Methylcyclohexane	7.129	83	1008	0.748	ug/l	# 1
44) Trichloroethene	7.129	130	72304	76.689	ug/l	87
49) 1,4-Dioxane	7.659	88	130	5.524	ug/l	# 59
51) 4-Methyl-2-Pentanone	8.647	43	705	0.447	ug/l	# 1
55) 1,1,2-Trichloroethane	9.153	97	261	0.269	ug/l	# 81
76) 1,2,3-Trichloropropane	11.079	75	36325	29.572	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	36325	86.186	ug/l	# 15

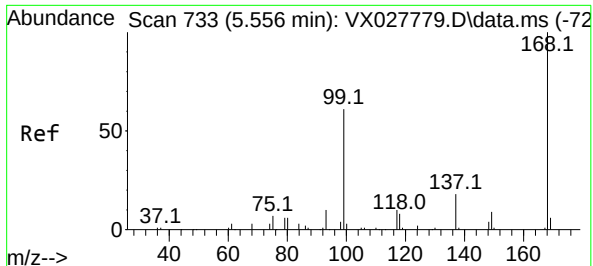
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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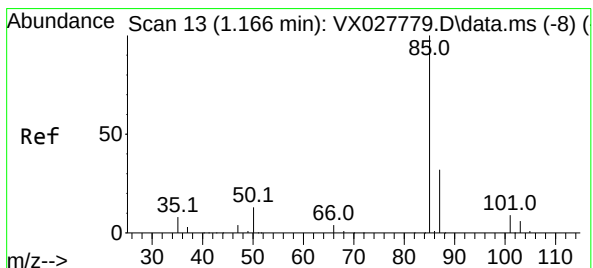
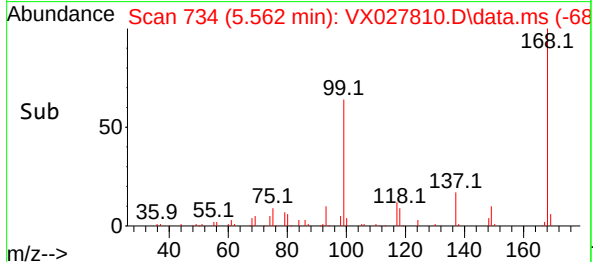
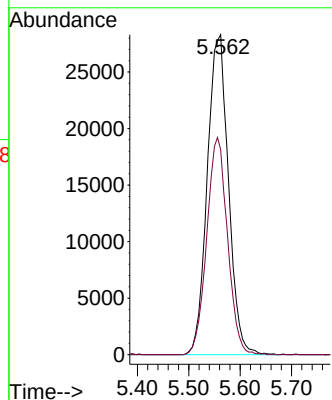
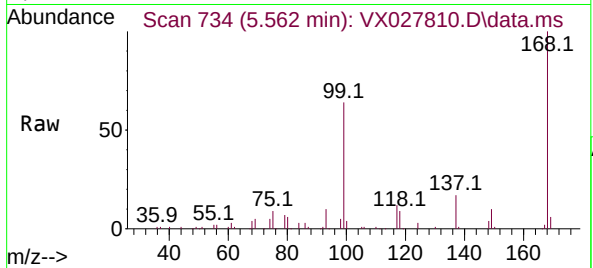




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

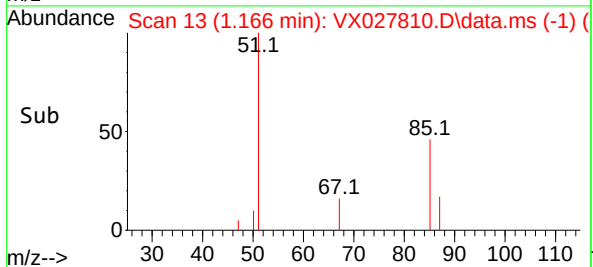
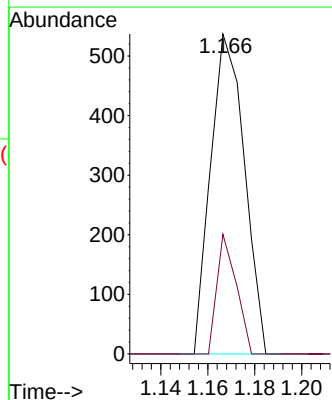
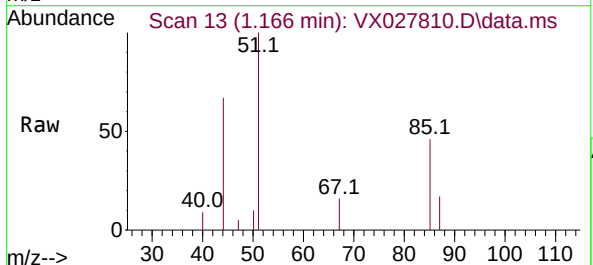
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20220318

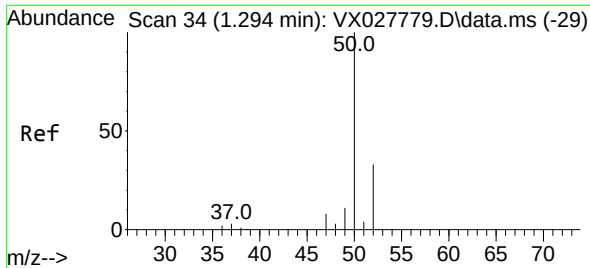
Tgt Ion:168 Resp: 80976
Ion Ratio Lower Upper
168 100
99 64.0 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 0.730 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion: 85 Resp: 536
Ion Ratio Lower Upper
85 100
87 37.4 16.2 48.6

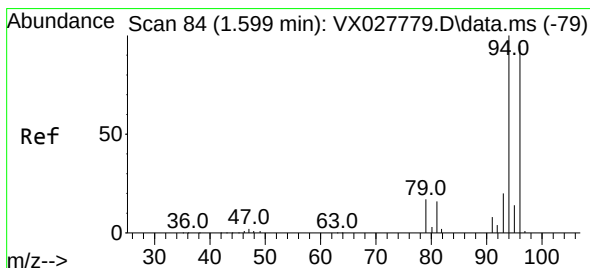
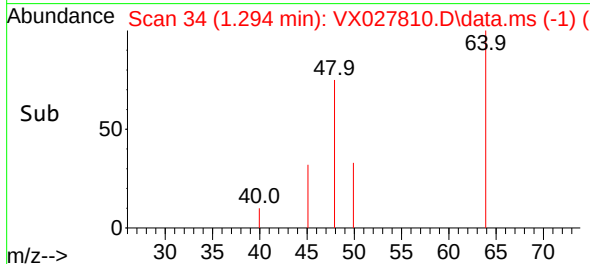
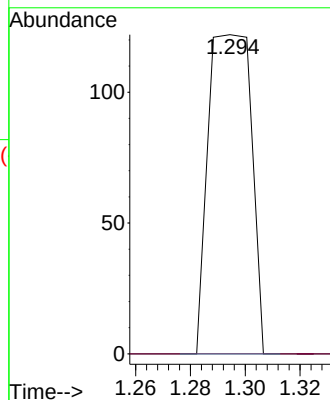
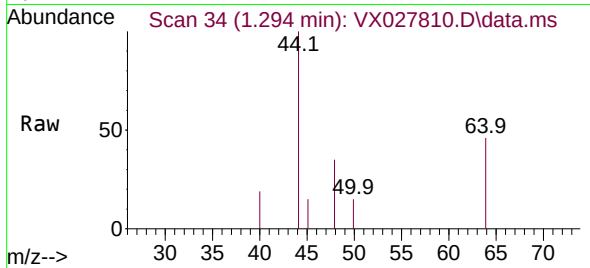




#3
Chloromethane
Concen: 0.205 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

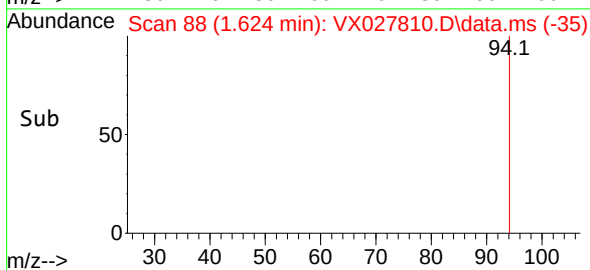
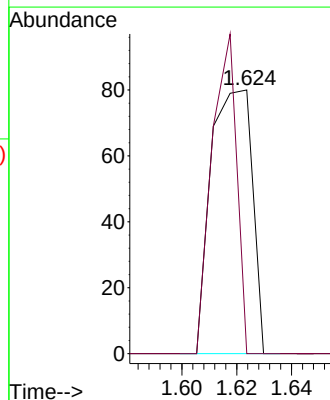
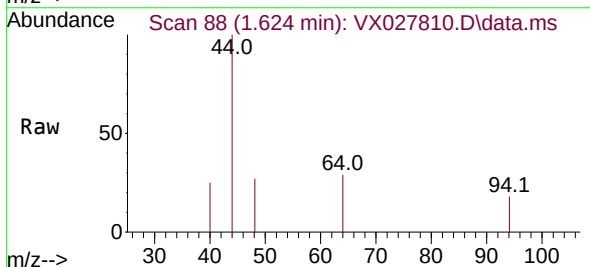
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20220318

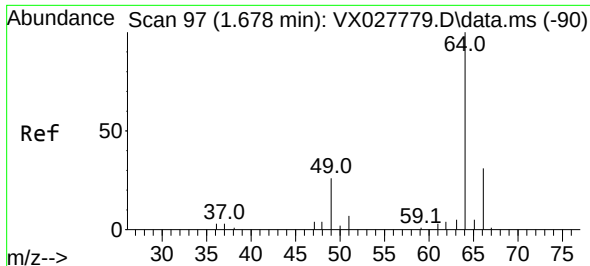
Tgt Ion: 50 Resp: 133
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#5
Bromomethane
Concen: 0.277 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion: 94 Resp: 83
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#

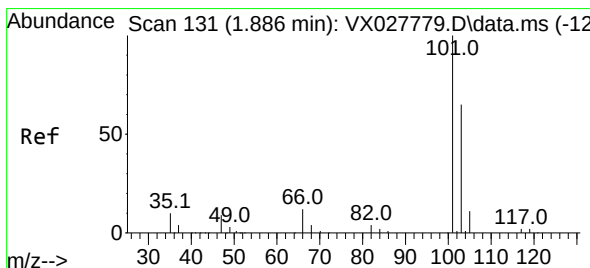
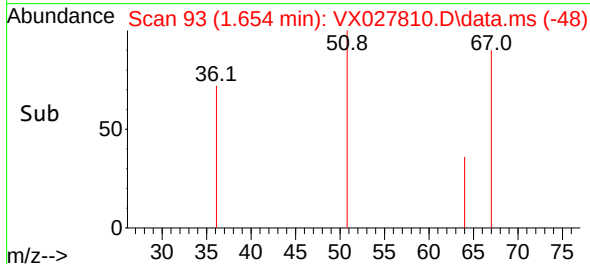
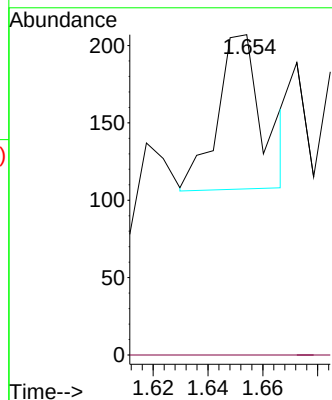
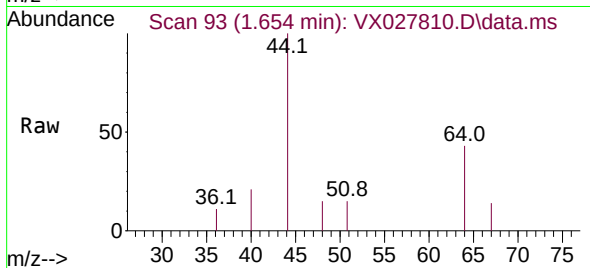




#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

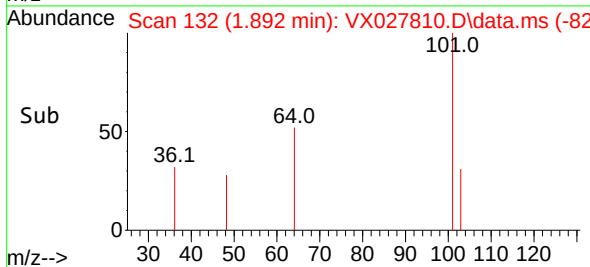
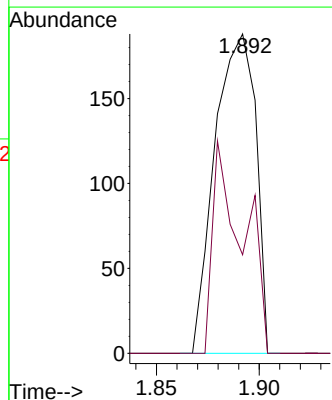
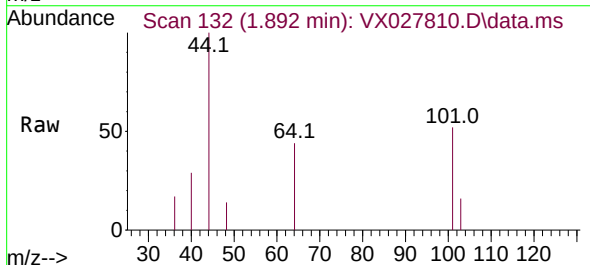
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20220318

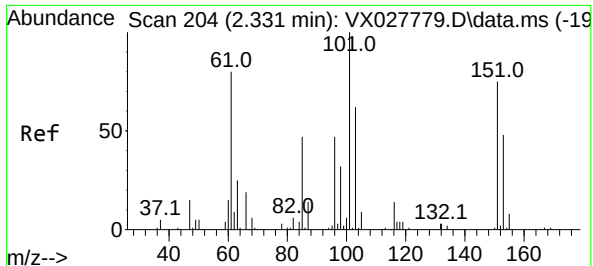
Tgt Ion: 64 Resp: 117
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#7
Trichlorofluoromethane
Concen: 0.223 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion: 101 Resp: 260
Ion Ratio Lower Upper
101 100
103 30.9 50.5 75.7#

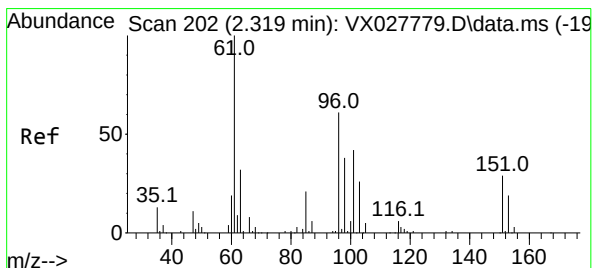
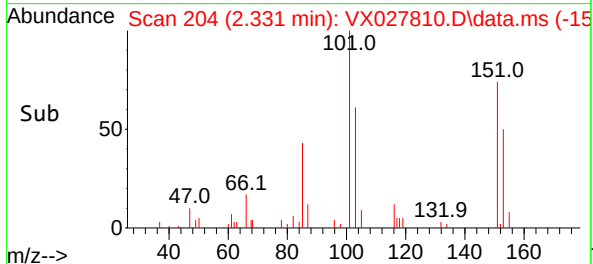
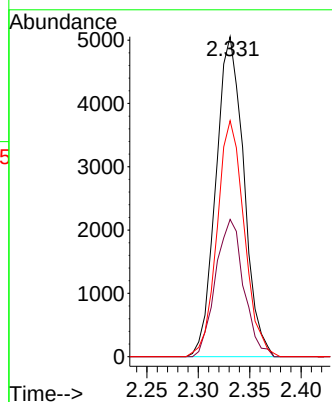
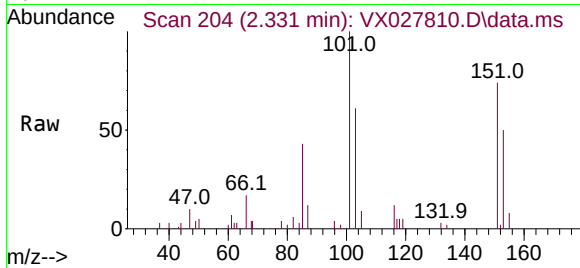




#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.574 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

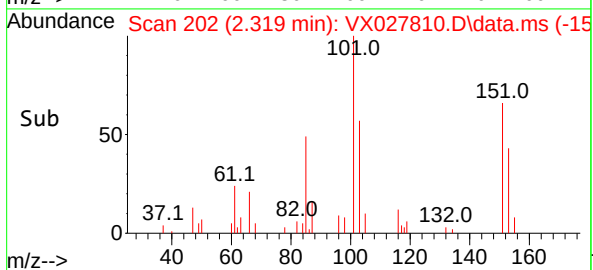
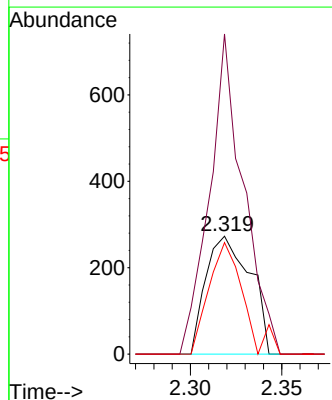
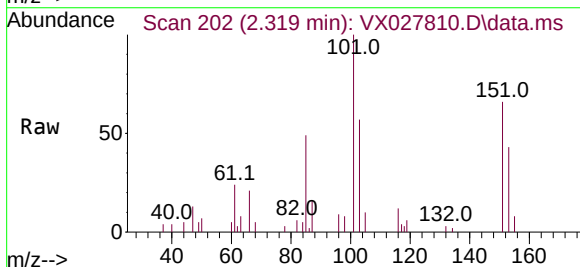
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20220318

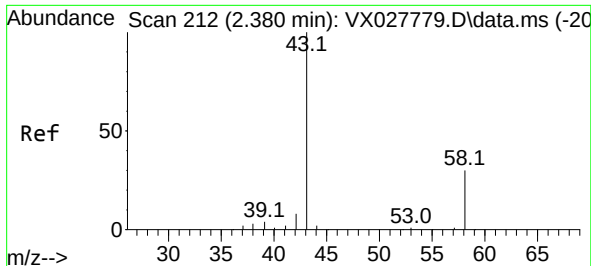
Tgt Ion:101 Resp: 9534
Ion Ratio Lower Upper
101 100
85 43.3 33.5 50.3
151 71.8 61.8 92.6



#12
1,1-Dichloroethene
Concen: 0.661 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion: 96 Resp: 460
Ion Ratio Lower Upper
96 100
61 271.4 124.6 187.0#
98 94.5 51.0 76.4#

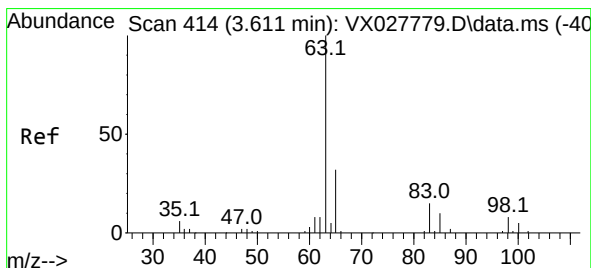
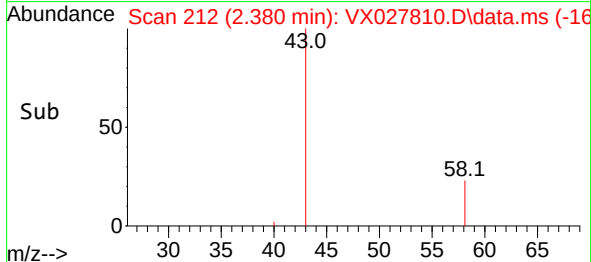
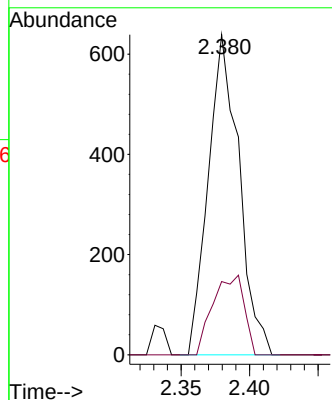
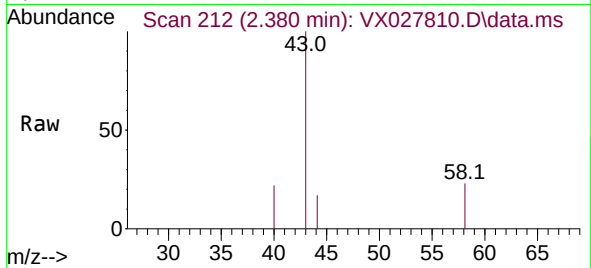




#16
Acetone
Concen: 2.156 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

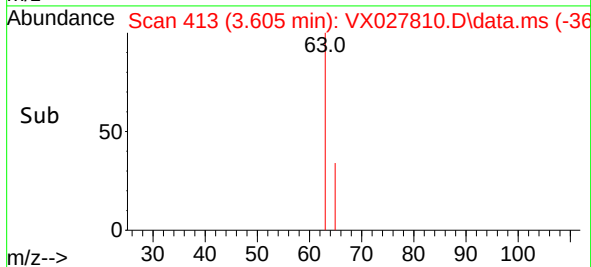
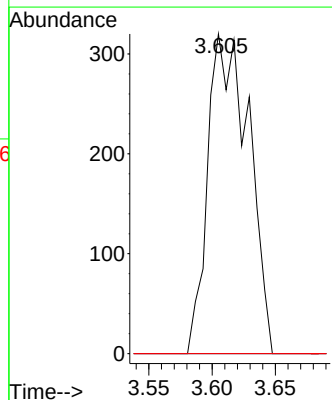
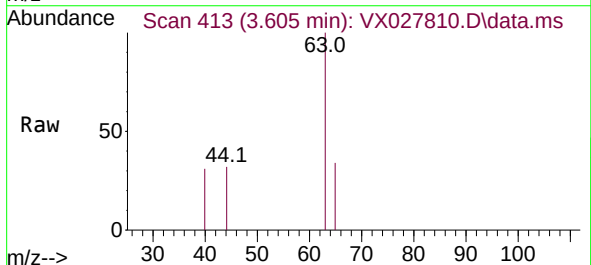
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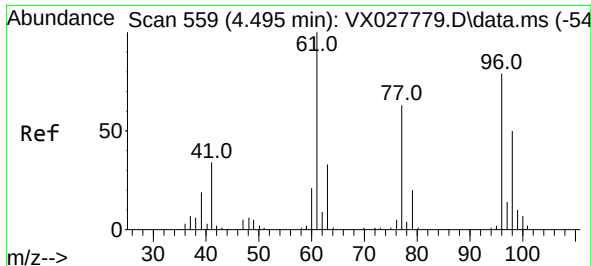
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 22.8 28.8 43.2#



#24
1,1-Dichloroethane
Concen: 0.500 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion: 63 Resp: 720
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#

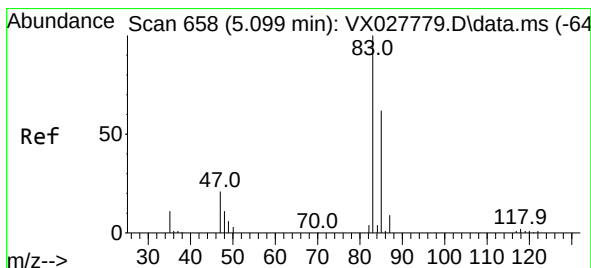
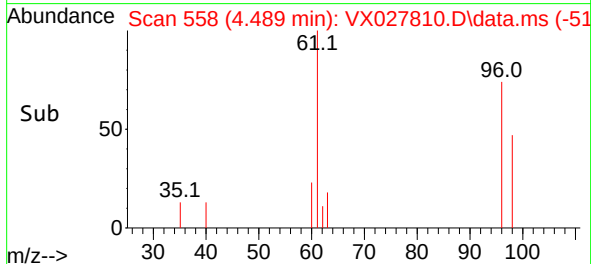
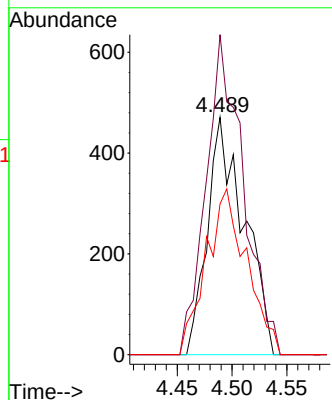
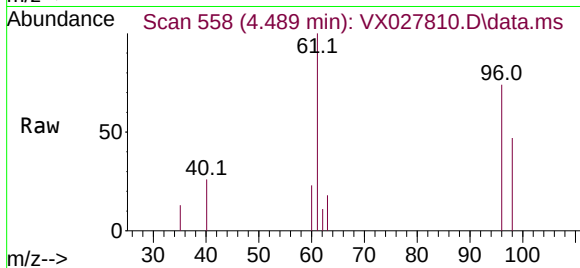




#27
 cis-1,2-Dichloroethene
 Concen: 1.208 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VX027810.D
 Acq: 30 Mar 2022 15:04

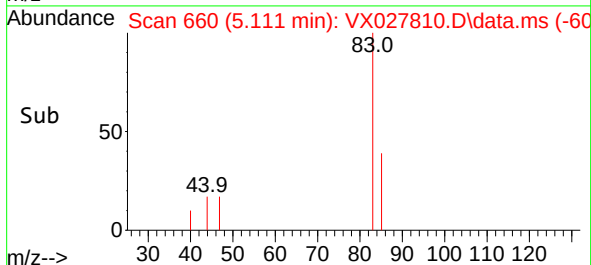
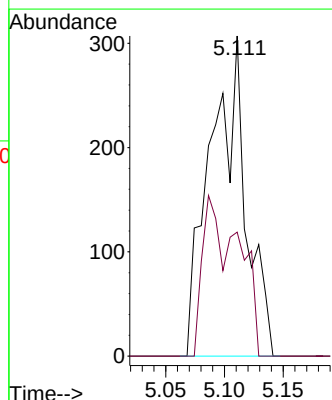
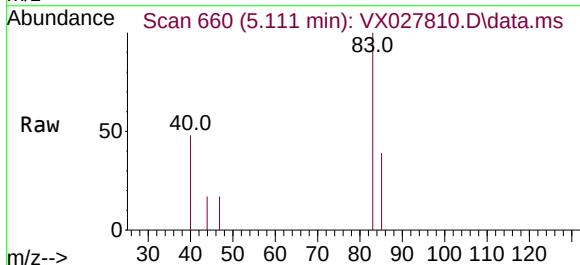
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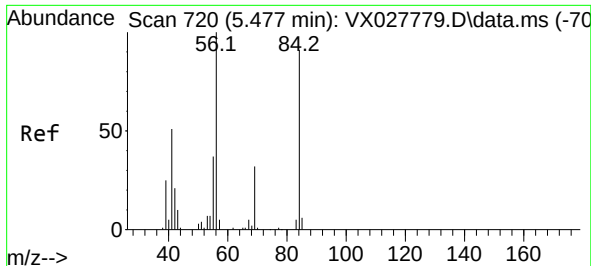
Tgt Ion: 96 Resp: 1100
 Ion Ratio Lower Upper
 96 100
 61 135.9 0.0 283.8
 98 77.0 0.0 129.8



#30
 Chloroform
 Concen: 0.404 ug/l
 RT: 5.111 min Scan# 660
 Delta R.T. 0.012 min
 Lab File: VX027810.D
 Acq: 30 Mar 2022 15:04

Tgt Ion: 83 Resp: 647
 Ion Ratio Lower Upper
 83 100
 85 38.8 52.7 79.1#

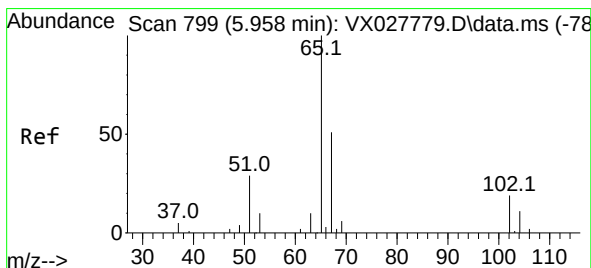
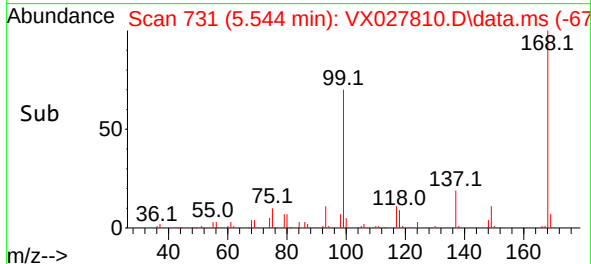
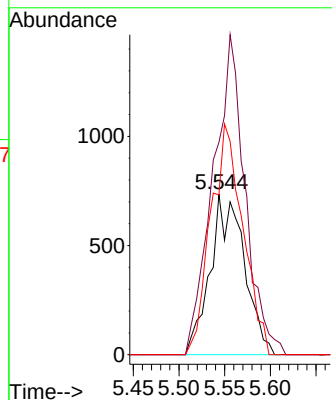
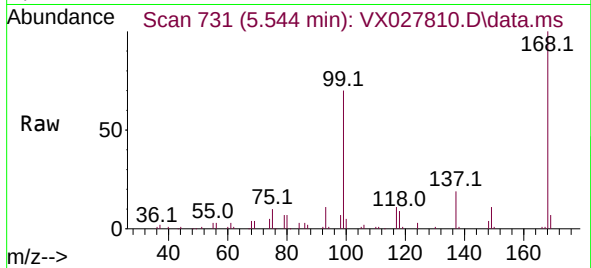




#31
Cyclohexane
Concen: 1.646 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

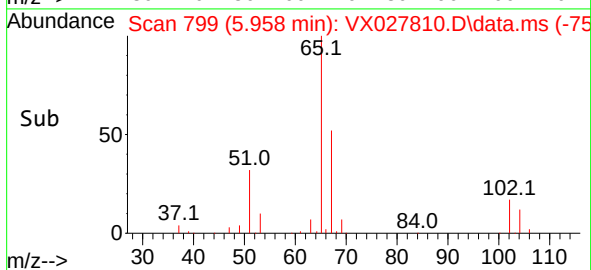
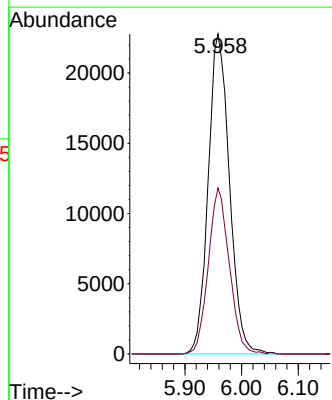
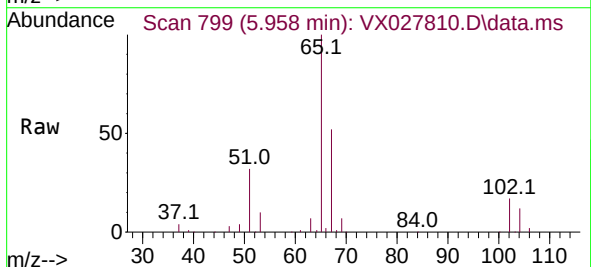
Instrument :
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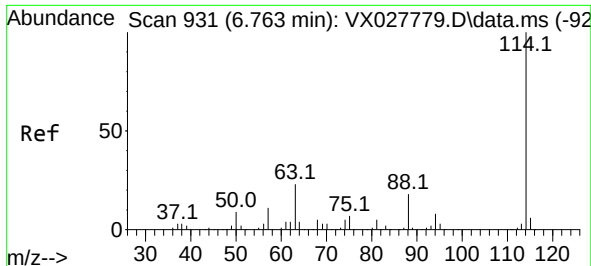
Tgt Ion: 56 Resp: 1901
Ion Ratio Lower Upper
56 100
69 132.2 26.7 40.1#
84 99.5 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 56.884 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion: 65 Resp: 59433
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.4

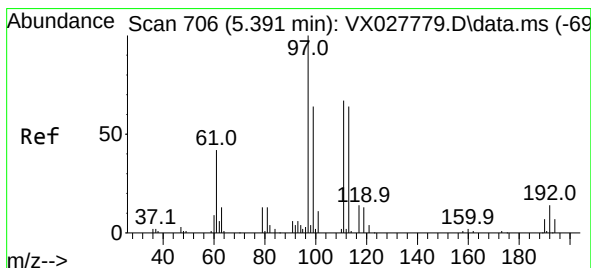
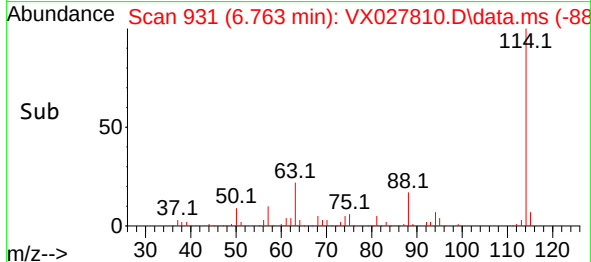
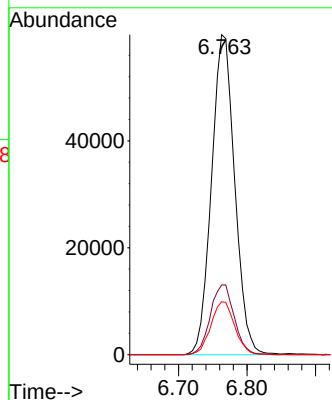
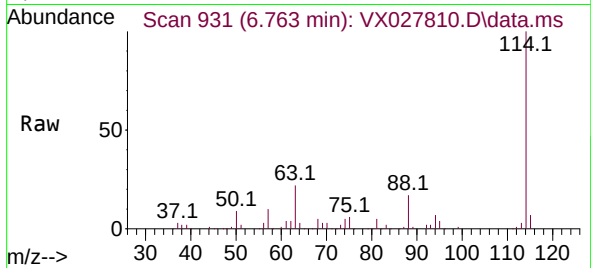




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

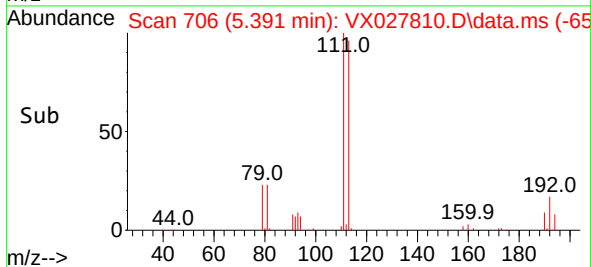
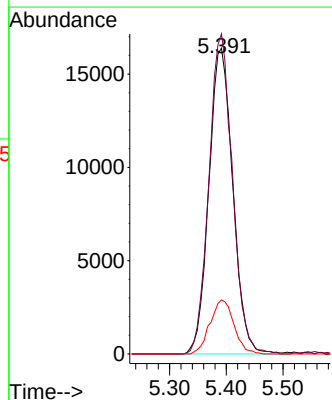
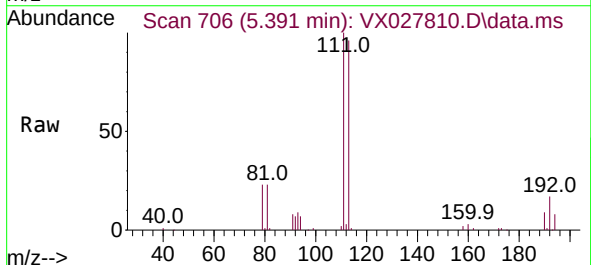
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20220318

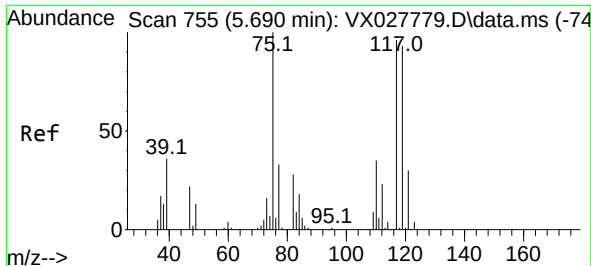
Tgt Ion:114 Resp: 140817
Ion Ratio Lower Upper
114 100
63 21.8 0.0 36.8
88 16.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 52.864 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion:113 Resp: 48050
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 17.6 16.9 25.3

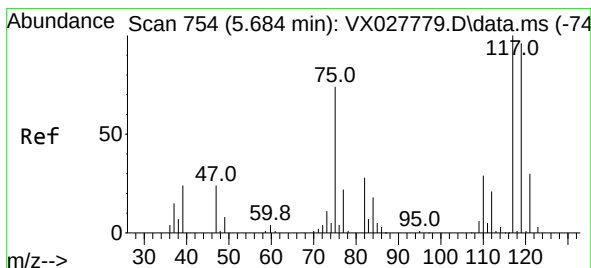
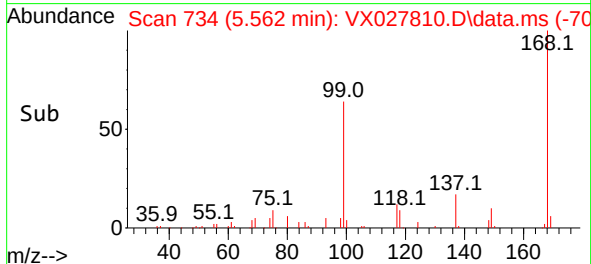
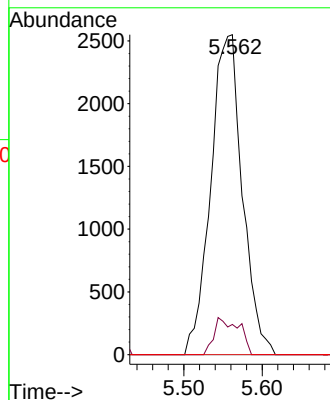
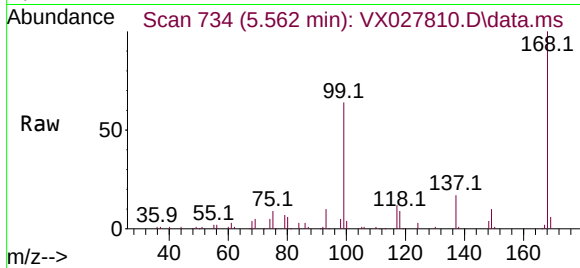




#36
1,1-Dichloropropene
Concen: 6.247 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

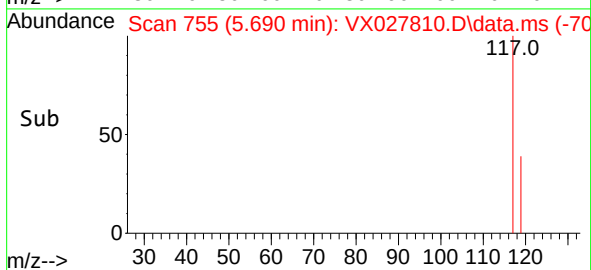
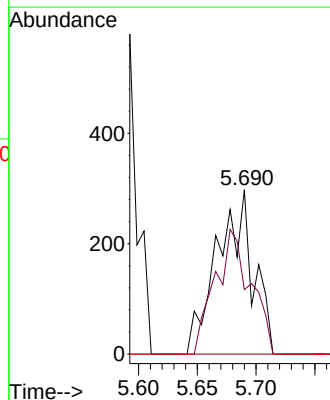
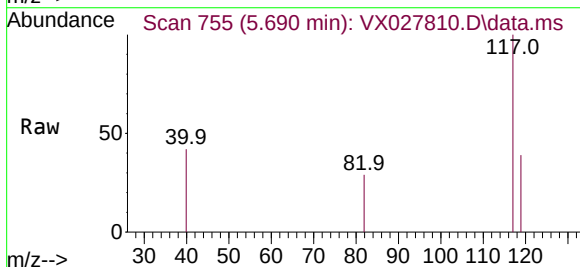
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20220318

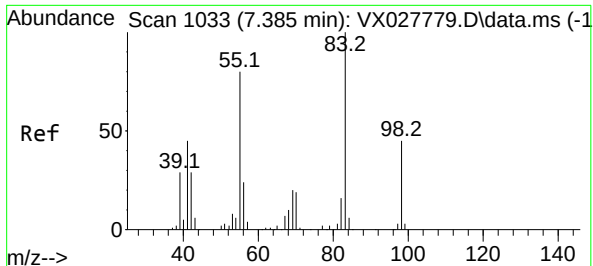
Tgt Ion: 75 Resp: 7152
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 0.500 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion: 117 Resp: 632
Ion Ratio Lower Upper
117 100
119 39.3 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.748 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX027810.D

Acq: 30 Mar 2022 15:04

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20220318

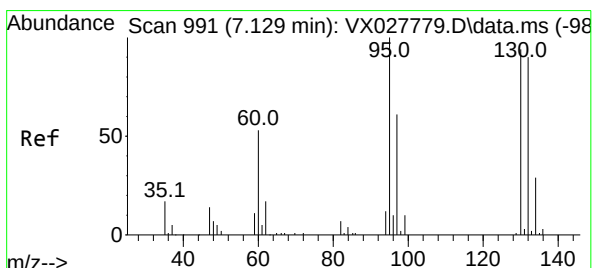
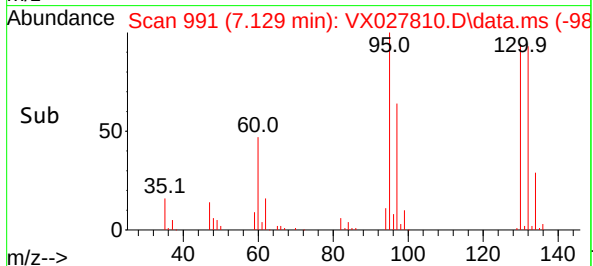
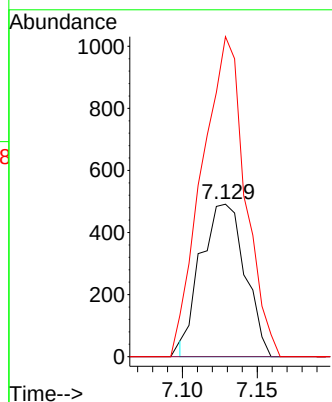
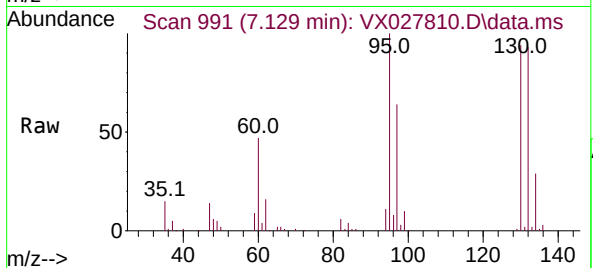
Tgt Ion: 83 Resp: 1008

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 210.0 37.4 56.2#



#44

Trichloroethene

Concen: 76.689 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX027810.D

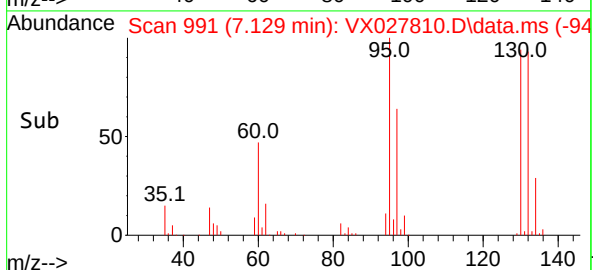
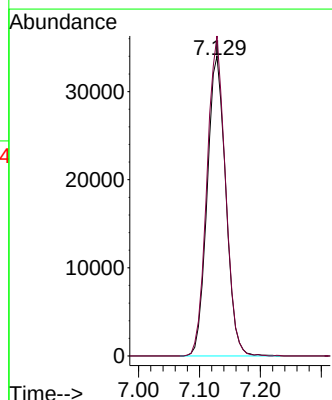
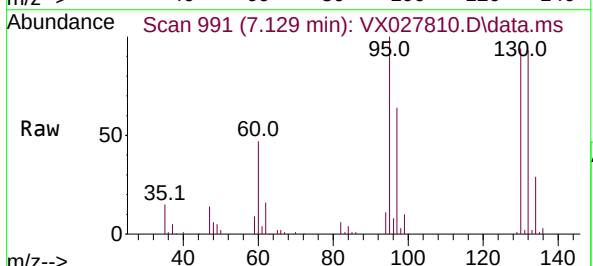
Acq: 30 Mar 2022 15:04

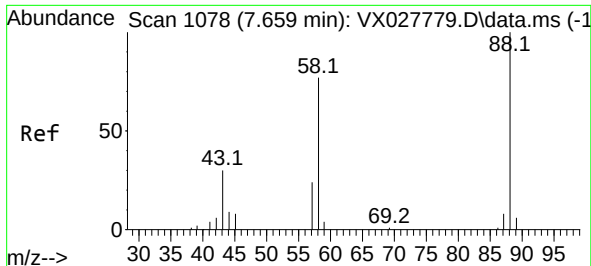
Tgt Ion:130 Resp: 72304

Ion Ratio Lower Upper

130 100

95 106.7 0.0 188.8





#49

1,4-Dioxane

Concen: 5.524 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX027810.D

Acq: 30 Mar 2022 15:04

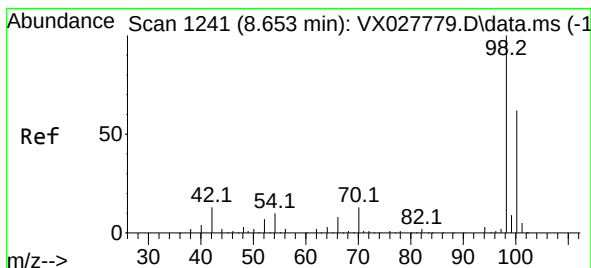
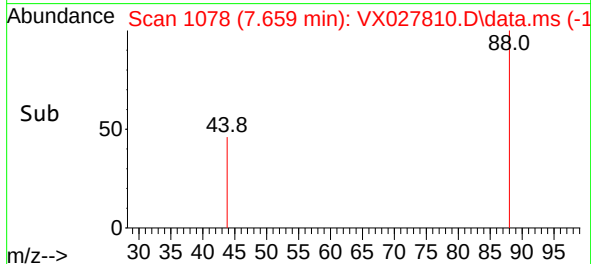
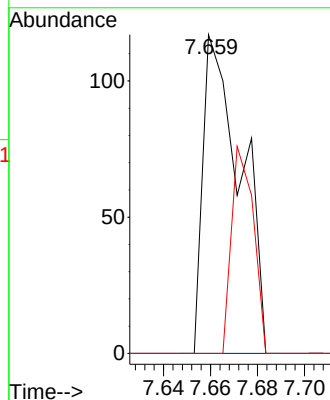
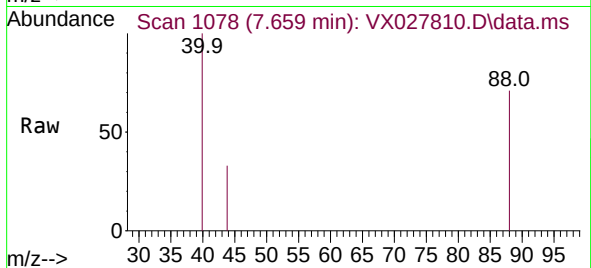
Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20220318

Tgt Ion: 88	Resp: 130
Ion Ratio	Lower Upper
88 100	
43 0.0	21.9 32.9#
58 37.7	53.7 80.5#



#50

Toluene-d8

Concen: 54.156 ug/l

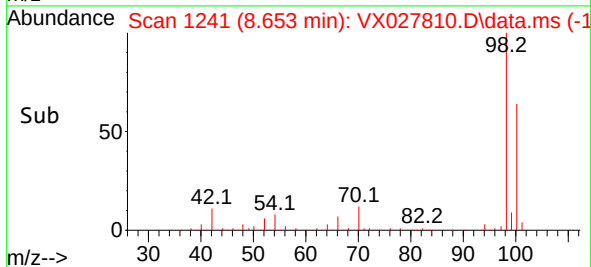
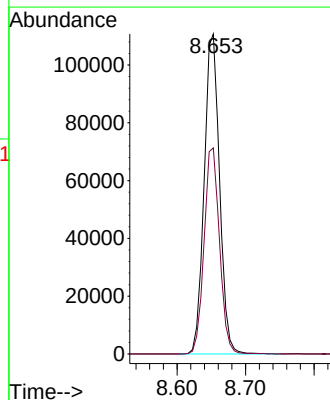
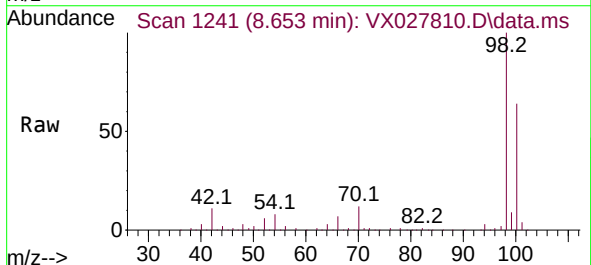
RT: 8.653 min Scan# 1241

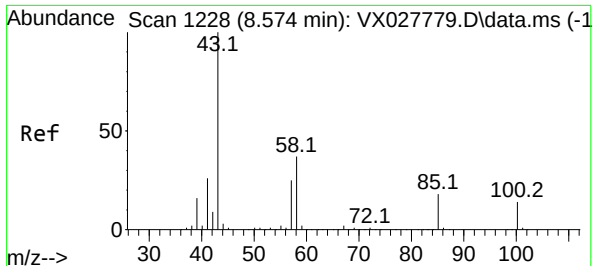
Delta R.T. -0.000 min

Lab File: VX027810.D

Acq: 30 Mar 2022 15:04

Tgt Ion: 98	Resp: 173195
Ion Ratio	Lower Upper
98 100	
100 64.7	52.6 78.8

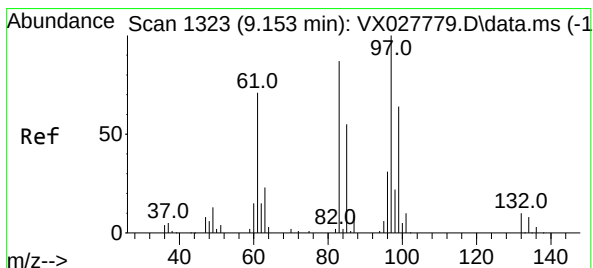
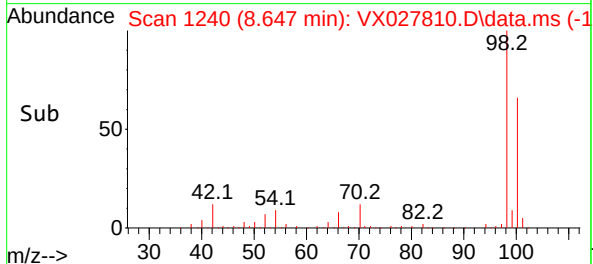
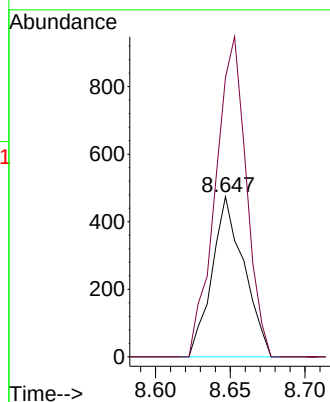
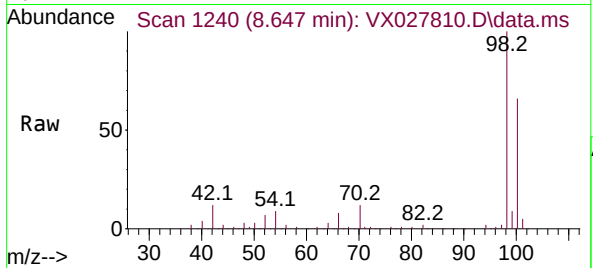




#51
4-Methyl-2-Pentanone
Concen: 0.447 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

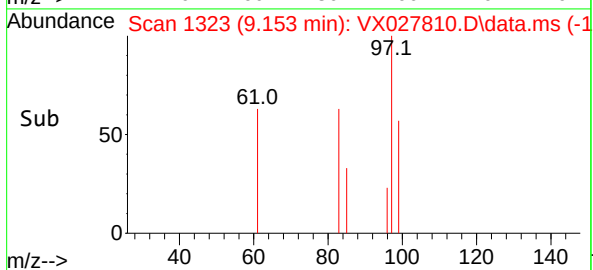
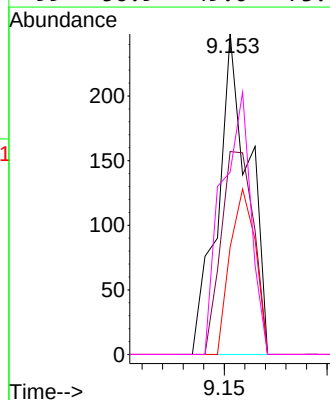
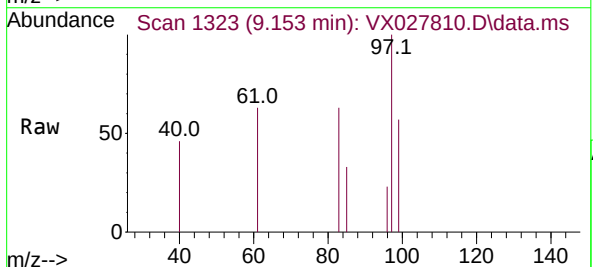
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20220318

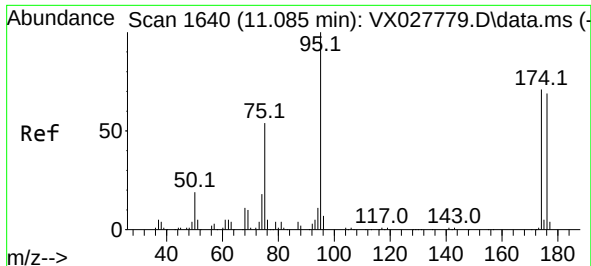
Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
58 192.9 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 0.269 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX027810.D
Acq: 30 Mar 2022 15:04

Tgt Ion: 97 Resp: 261
Ion Ratio Lower Upper
97 100
83 63.3 66.2 99.4#
85 33.5 42.9 64.3#
99 56.9 49.0 73.6





#62

4-Bromofluorobenzene

Concen: 46.730 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027810.D

Acq: 30 Mar 2022 15:04

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20220318

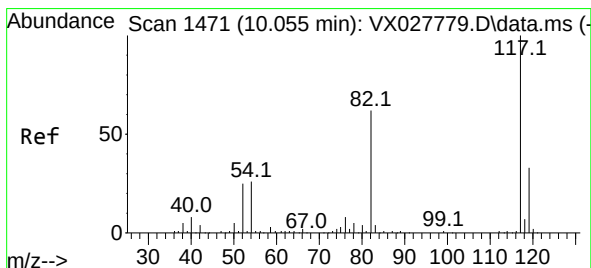
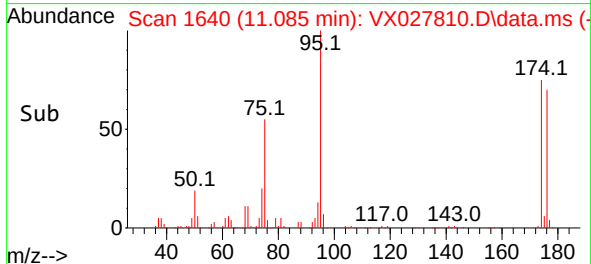
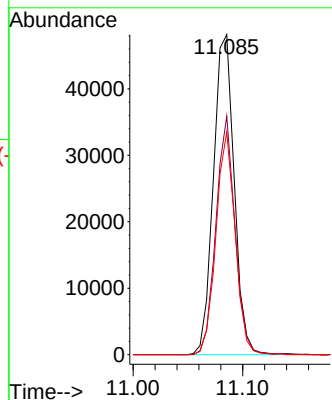
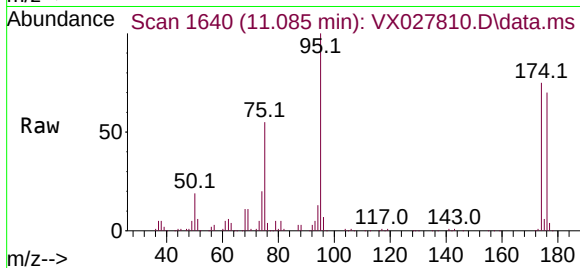
Tgt Ion: 95 Resp: 63509

Ion Ratio Lower Upper

95 100

174 68.6 0.0 163.0

176 64.3 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX027810.D

Acq: 30 Mar 2022 15:04

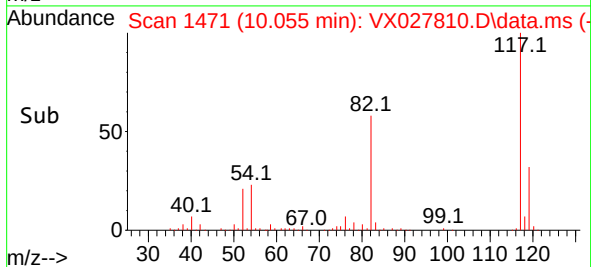
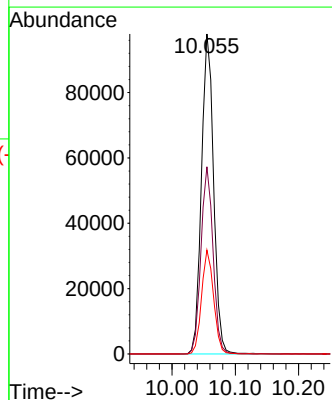
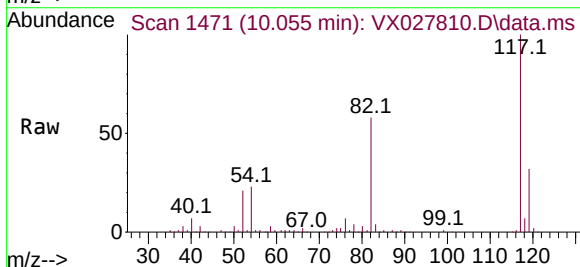
Tgt Ion: 117 Resp: 130985

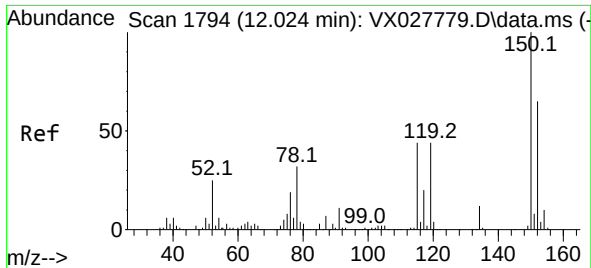
Ion Ratio Lower Upper

117 100

82 58.5 41.8 62.8

119 32.4 24.8 37.2

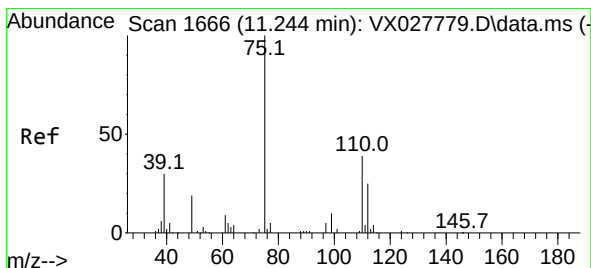
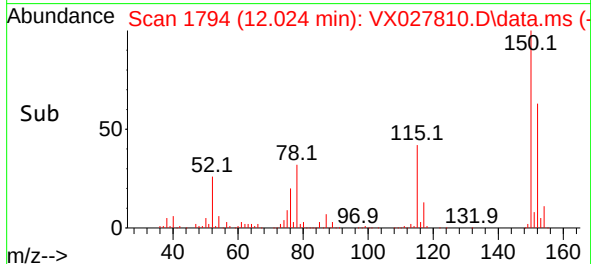
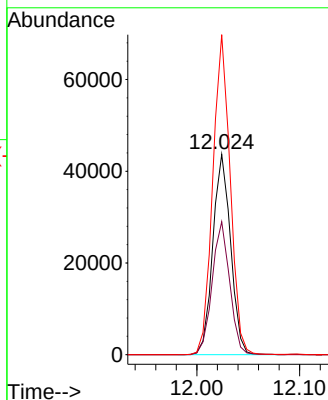
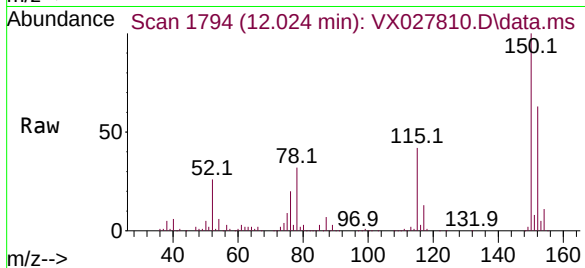




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027810.D
 Acq: 30 Mar 2022 15:04

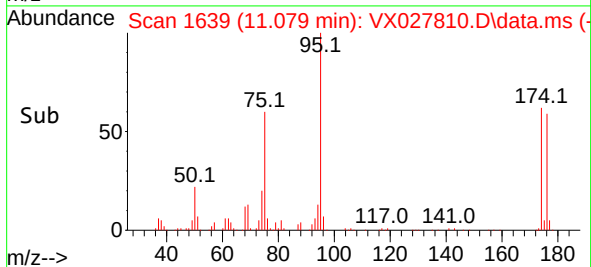
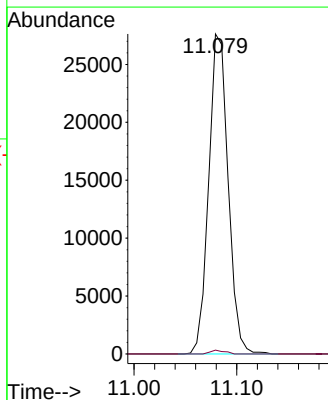
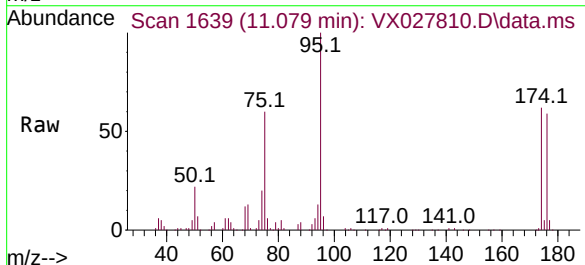
Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20220318

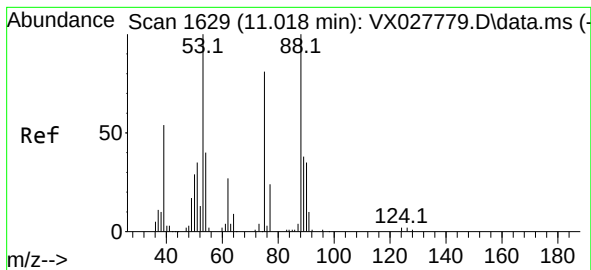
Tgt Ion:152 Resp: 52364
 Ion Ratio Lower Upper
 152 100
 115 65.5 37.5 112.7
 150 156.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 29.572 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027810.D
 Acq: 30 Mar 2022 15:04

Tgt Ion: 75 Resp: 36325
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.186 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027810.D
 Acq: 30 Mar 2022 15:04

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20220318

Tgt Ion: 75 Resp: 36325
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

