

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027565.D
 Acq On : 19 Mar 2022 17:08
 Operator : JC/MD
 Sample : N2000-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-139D2-20220316

Quant Time: Mar 21 01:24:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

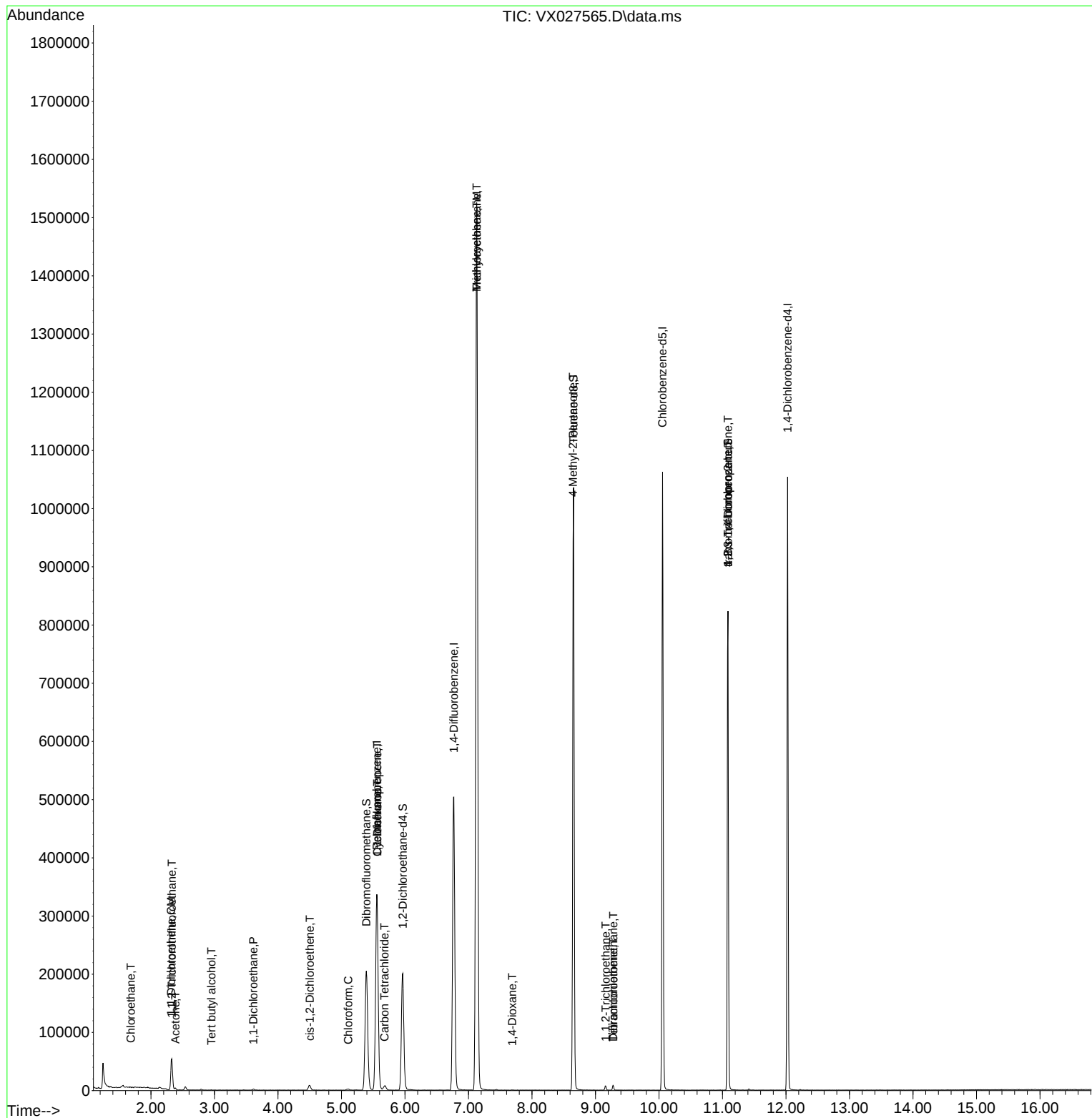
Internal Standards						
1) Pentafluorobenzene	5.556	168	333009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	552705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	496185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	198584	48.408	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.820%
35) Dibromofluoromethane	5.391	113	183106	51.492	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.980%
50) Toluene-d8	8.653	98	645696	47.985	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.960%
62) 4-Bromofluorobenzene	11.085	95	223797	45.249	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.500%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	432	Below Cal		90
6) Chloroethane	1.685	64	745	0.370	ug/l #	50
9) 1,1,2-Trichlorotrifluo...	2.331	101	14269	4.427	ug/l	97
11) Tert butyl alcohol	2.953	59	163	0.208	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	8809	2.849	ug/l	94
16) Acetone	2.386	43	3694	2.209	ug/l #	86
24) 1,1-Dichloroethane	3.611	63	2149	0.374	ug/l #	75
27) cis-1,2-Dichloroethene	4.501	96	5778	1.510	ug/l	86
30) Chloroform	5.105	83	2780	0.438	ug/l	94
31) Cyclohexane	5.562	56	5728	1.124	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	23111	4.756	ug/l #	49
38) Carbon Tetrachloride	5.678	117	6973	1.254	ug/l	96
39) Methylcyclohexane	7.129	83	6270	1.026	ug/l #	1
44) Trichloroethene	7.129	130	626009	147.917	ug/l	99
49) 1,4-Dioxane	7.690	88	432	4.361	ug/l #	62
51) 4-Methyl-2-Pentanone	8.647	43	2202	0.443	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	2191	0.576	ug/l	94
60) Dibromochloromethane	9.281	129	1607	0.384	ug/l #	9
64) Tetrachloroethene	9.281	164	1601	0.415	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	107735	23.210	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	107735	70.489	ug/l #	15

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

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RE-139D2-20220316

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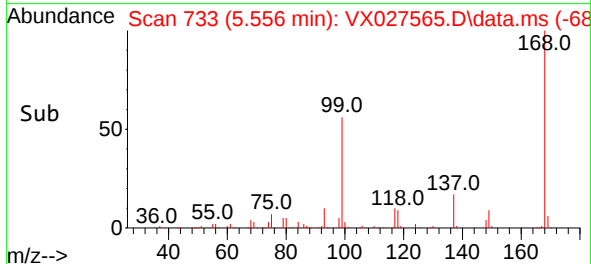
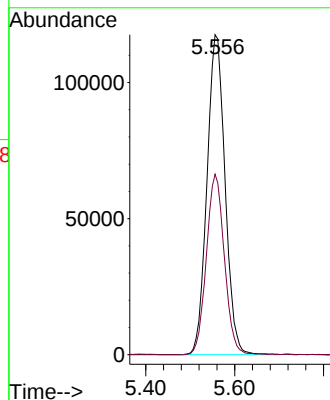
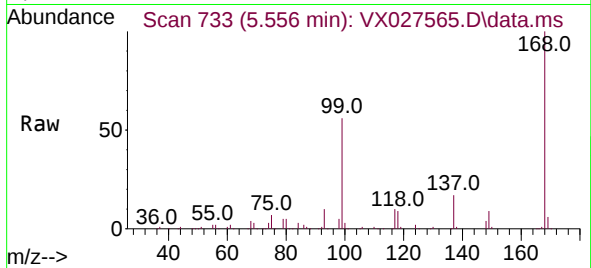




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

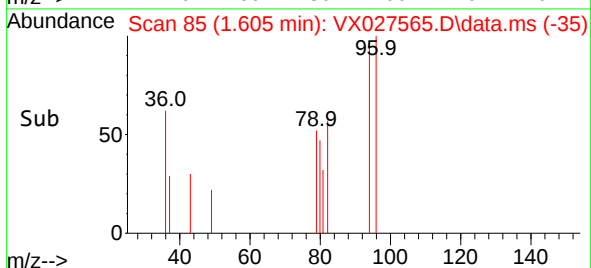
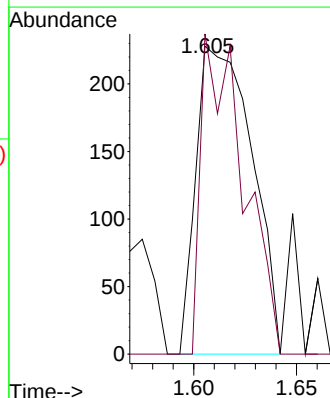
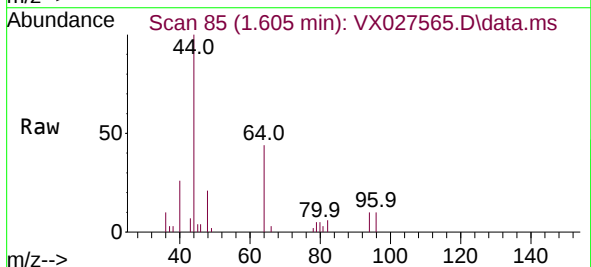
Instrument :
MSVOA_X
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RE-139D2-20220316

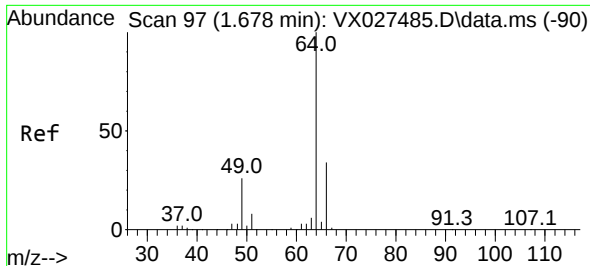
Tgt Ion:168 Resp: 333009
Ion Ratio Lower Upper
168 100
99 56.4 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Tgt Ion: 94 Resp: 432
Ion Ratio Lower Upper
94 100
96 103.9 75.3 112.9

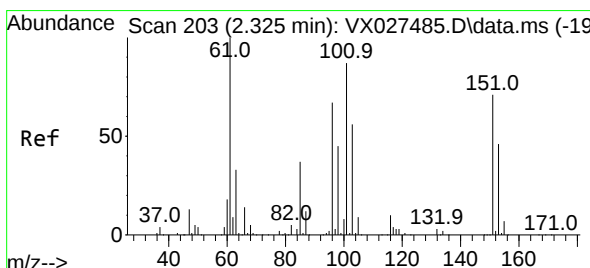
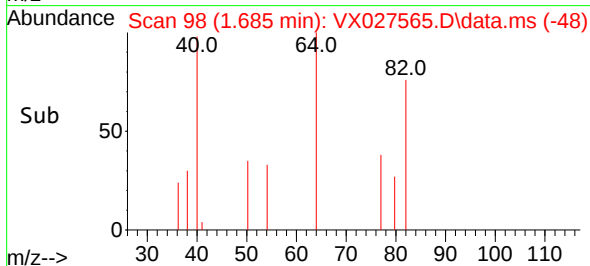
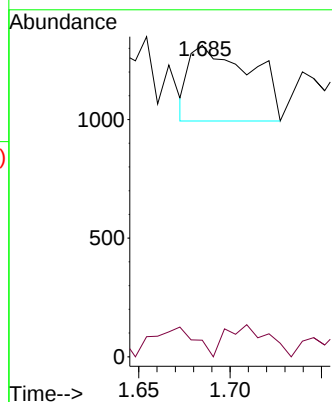
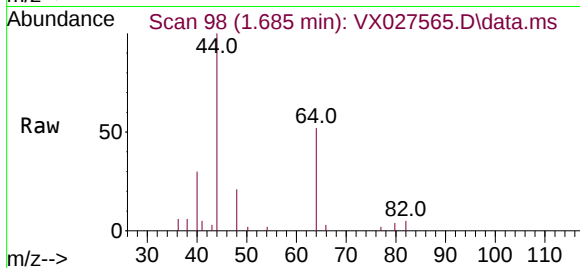




#6
Chloroethane
Concen: 0.370 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

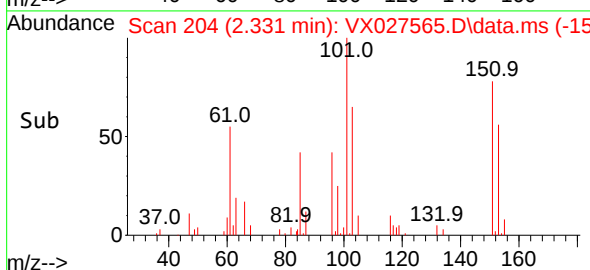
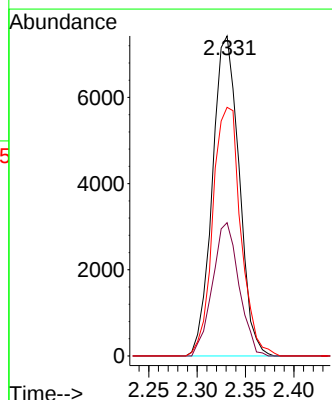
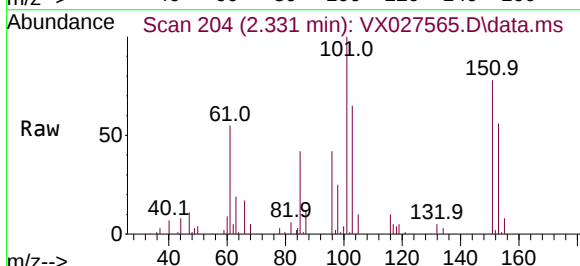
Instrument :
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ClientSampleId :
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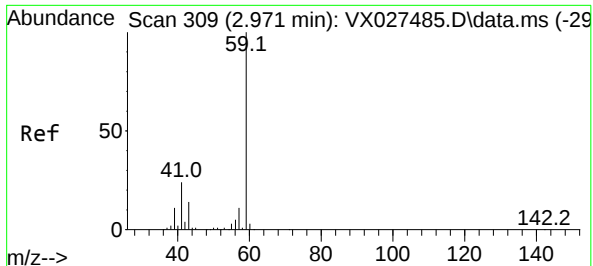
Tgt Ion: 64 Resp: 745
Ion Ratio Lower Upper
64 100
66 4.1 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.427 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Tgt Ion: 101 Resp: 14269
Ion Ratio Lower Upper
101 100
85 41.3 33.5 50.3
151 81.2 61.8 92.6





#11

Tert butyl alcohol

Concen: 0.208 ug/l

RT: 2.953 min Scan# 309

Delta R.T. -0.018 min

Lab File: VX027565.D

Acq: 19 Mar 2022 17:08

Instrument :

MSVOA_X

ClientSampleId :

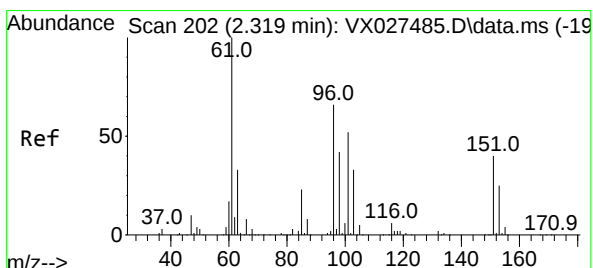
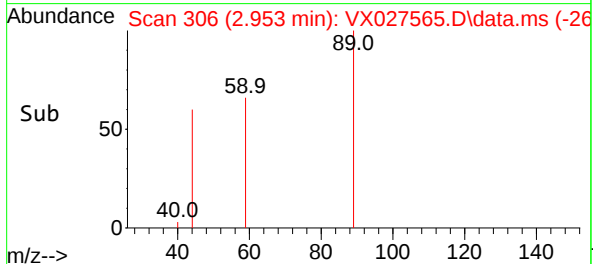
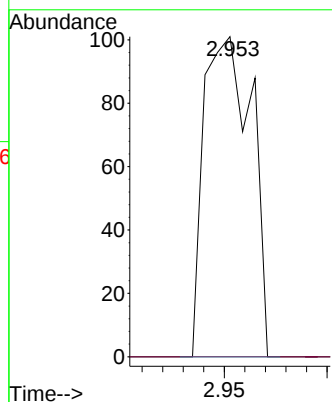
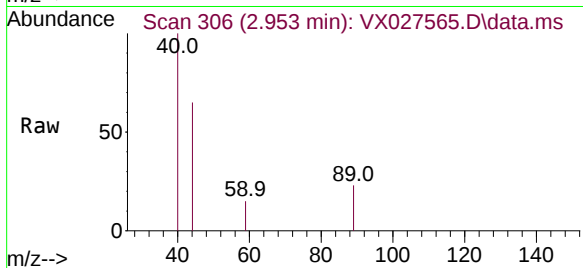
RE-139D2-20220316

Tgt Ion: 59 Resp: 163

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 2.849 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX027565.D

Acq: 19 Mar 2022 17:08

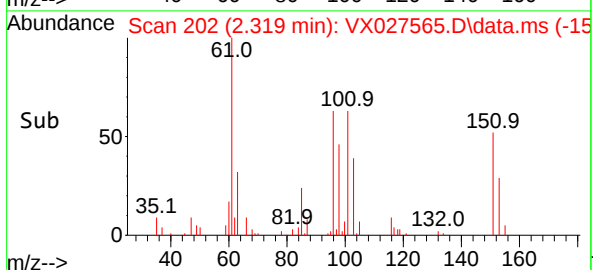
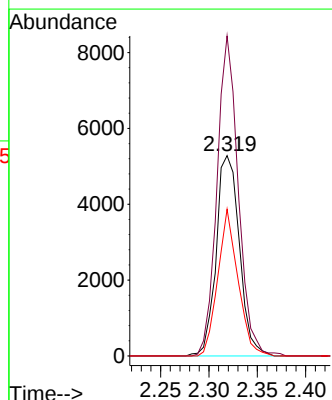
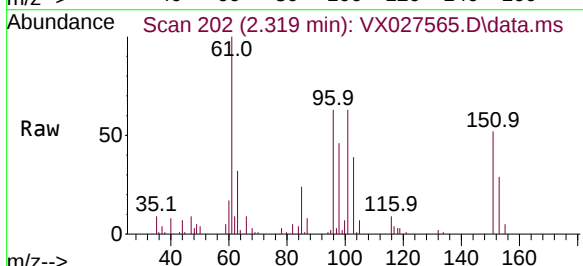
Tgt Ion: 96 Resp: 8809

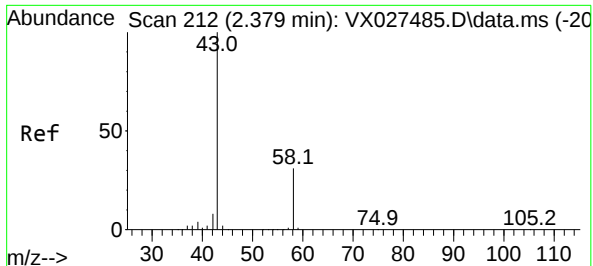
Ion Ratio Lower Upper

96 100

61 159.7 124.6 187.0

98 73.2 51.0 76.4

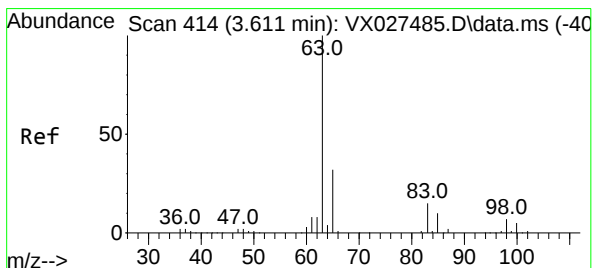
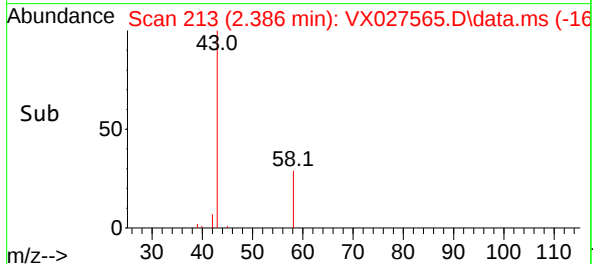
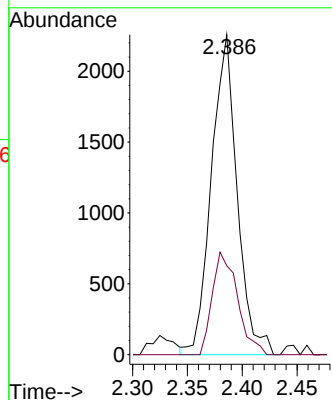
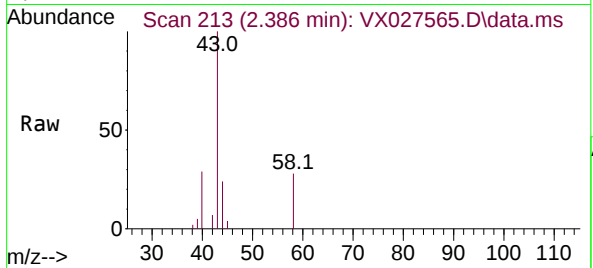




#16
Acetone
Concen: 2.209 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

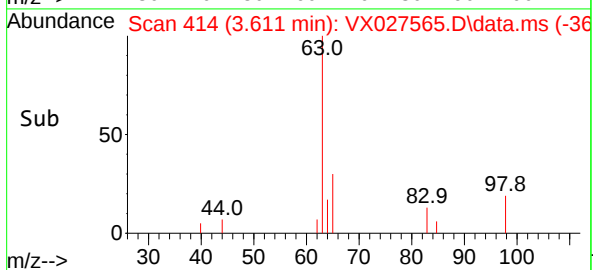
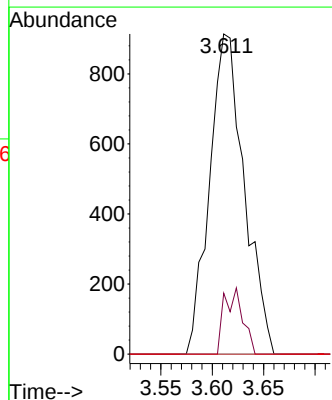
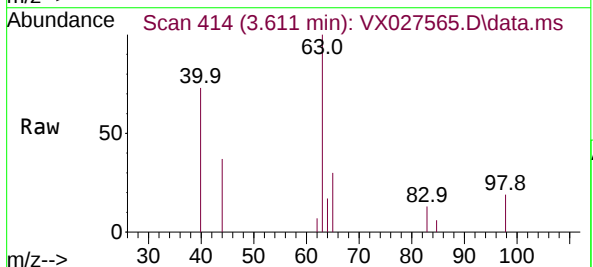
Instrument :
MSVOA_X
ClientSampleId :
RE-139D2-20220316

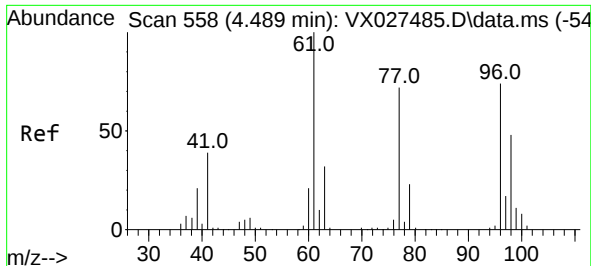
Tgt Ion: 43 Resp: 3694
Ion Ratio Lower Upper
43 100
58 27.8 28.8 43.2#



#24
1,1-Dichloroethane
Concen: 0.374 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Tgt Ion: 63 Resp: 2149
Ion Ratio Lower Upper
63 100
98 19.0 3.9 11.7#
100 0.0 2.4 7.2#

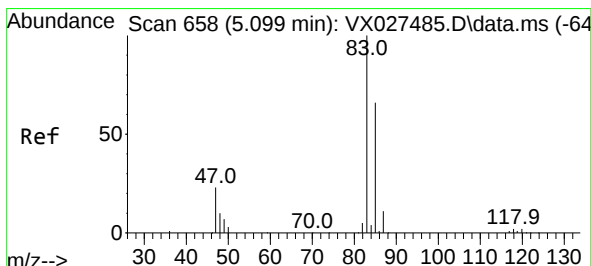
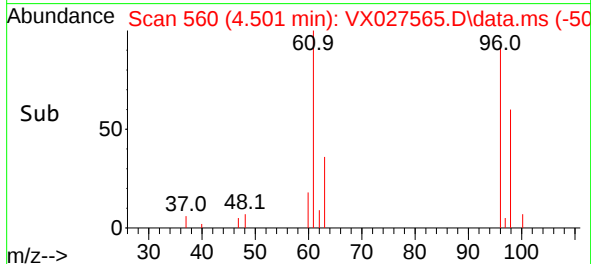
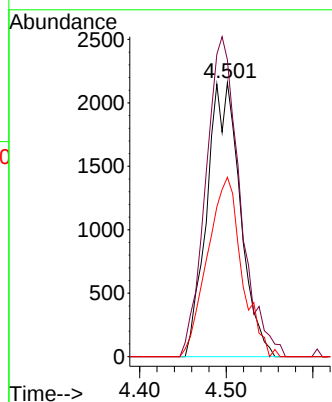
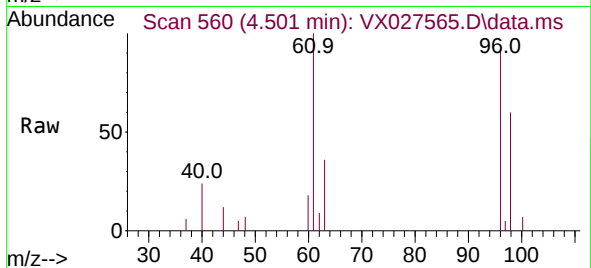




#27
 cis-1,2-Dichloroethene
 Concen: 1.510 ug/l
 RT: 4.501 min Scan# 50
 Delta R.T. 0.012 min
 Lab File: VX027565.D
 Acq: 19 Mar 2022 17:08

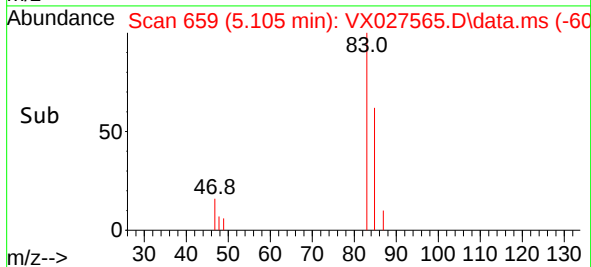
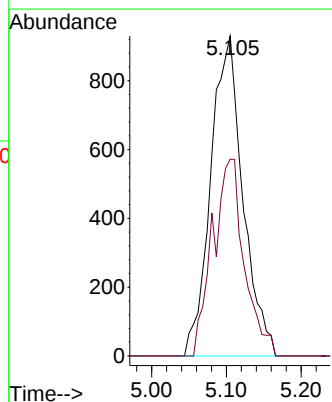
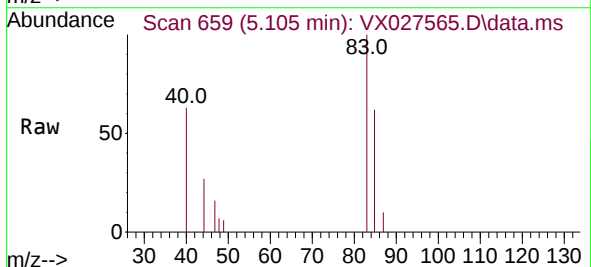
Instrument :
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 RE-139D2-20220316

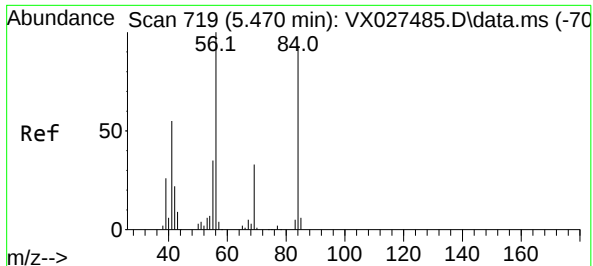
Tgt Ion: 96 Resp: 5778
 Ion Ratio Lower Upper
 96 100
 61 119.4 0.0 283.8
 98 67.4 0.0 129.8



#30
 Chloroform
 Concen: 0.438 ug/l
 RT: 5.105 min Scan# 659
 Delta R.T. 0.006 min
 Lab File: VX027565.D
 Acq: 19 Mar 2022 17:08

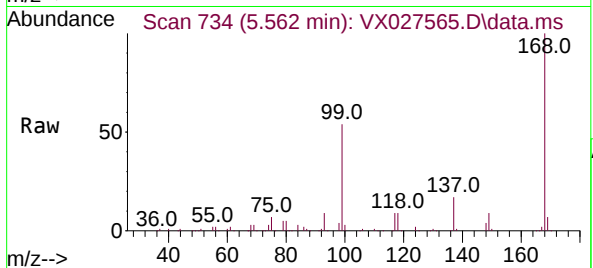
Tgt Ion: 83 Resp: 2780
 Ion Ratio Lower Upper
 83 100
 85 61.5 52.7 79.1



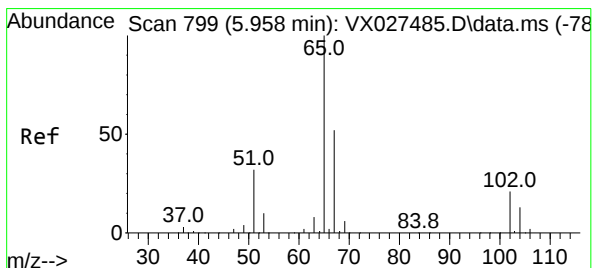
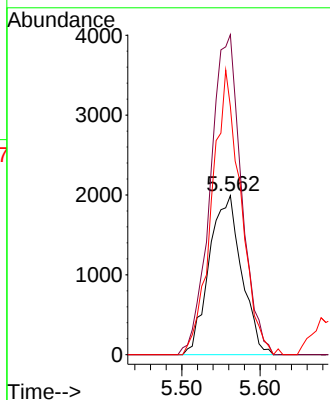
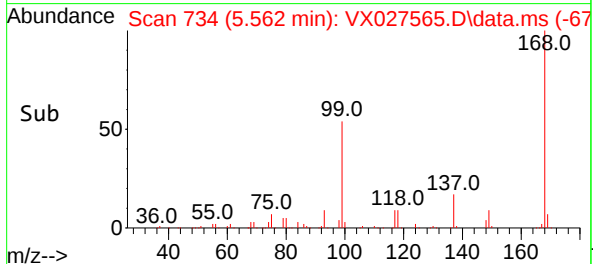


#31
Cyclohexane
Concen: 1.124 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Instrument :
MSVOA_X
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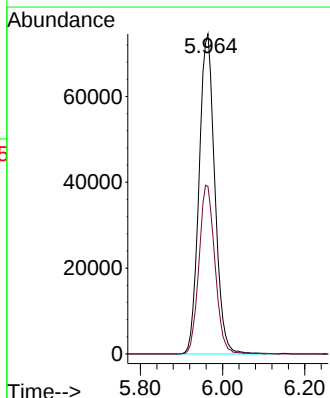
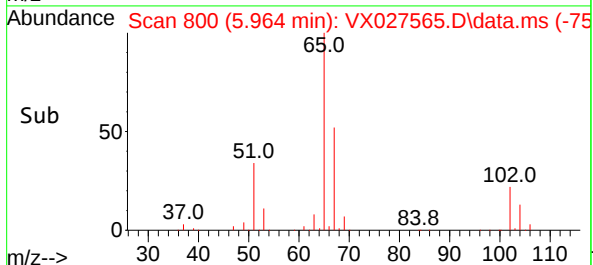
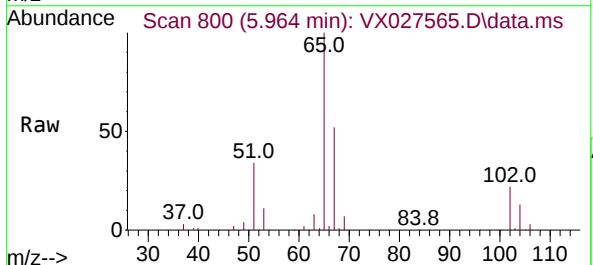


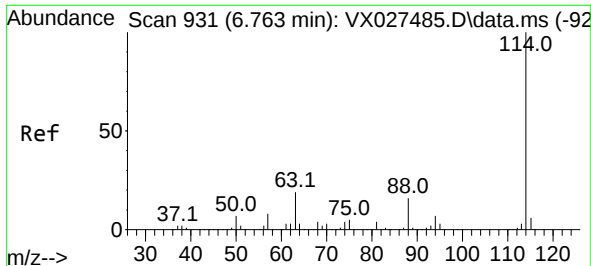
Tgt Ion: 56 Resp: 5728
Ion Ratio Lower Upper
56 100
69 201.2 26.7 40.1#
84 156.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 48.408 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Tgt Ion: 65 Resp: 198584
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.4

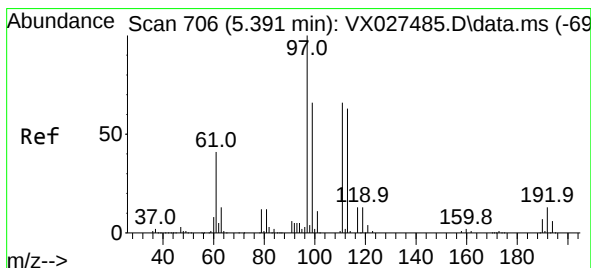
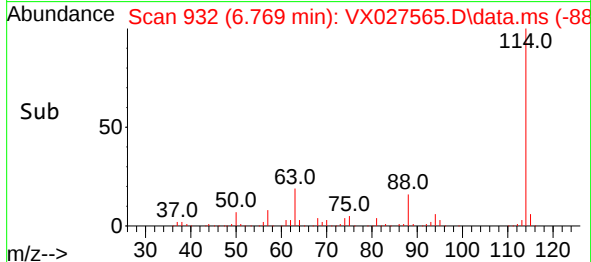
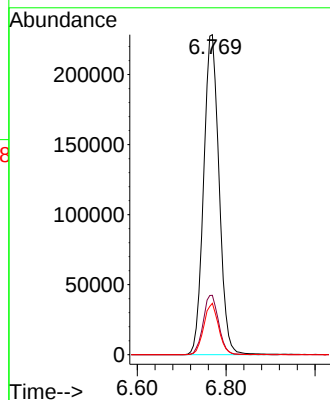
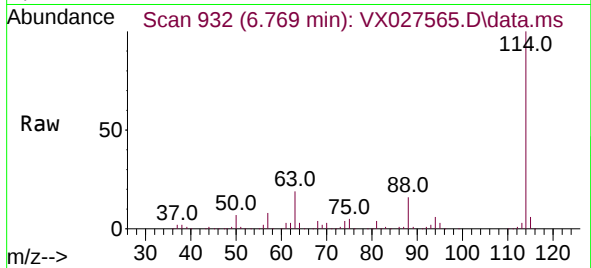




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

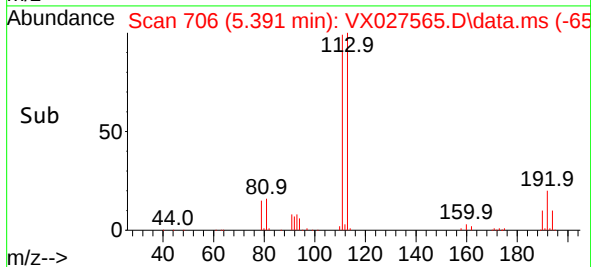
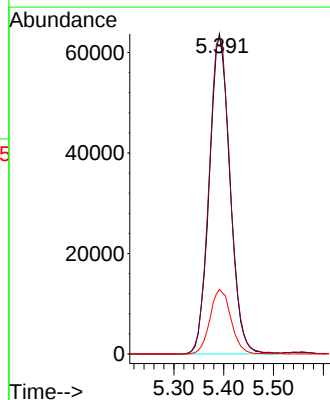
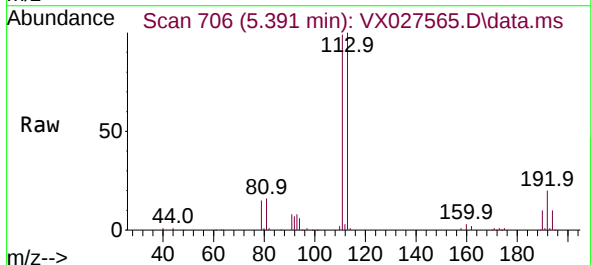
Instrument :
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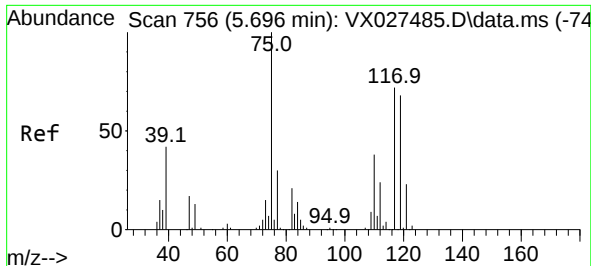
Tgt Ion:114 Resp: 552705
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.8
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.492 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Tgt Ion:113 Resp: 183106
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 20.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.756 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX027565.D

Acq: 19 Mar 2022 17:08

Instrument :

MSVOA_X

ClientSampleId :

RE-139D2-20220316

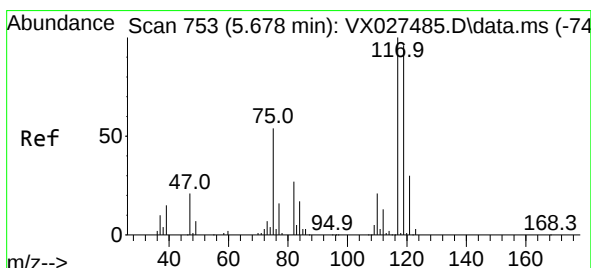
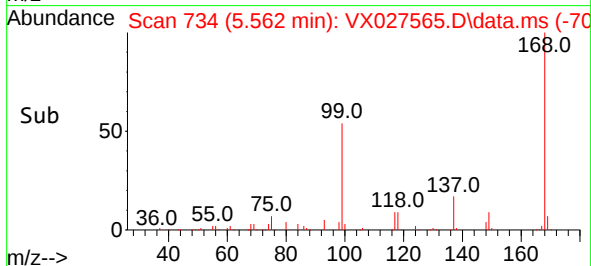
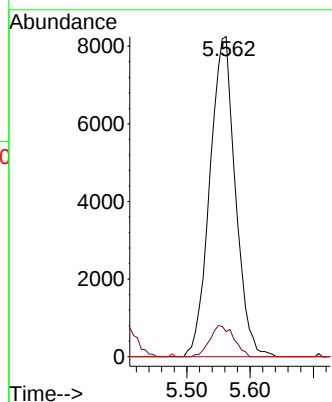
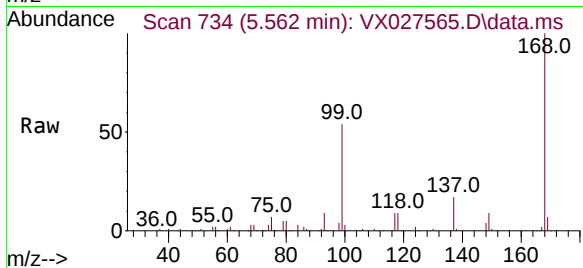
Tgt Ion: 75 Resp: 23111

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 1.254 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX027565.D

Acq: 19 Mar 2022 17:08

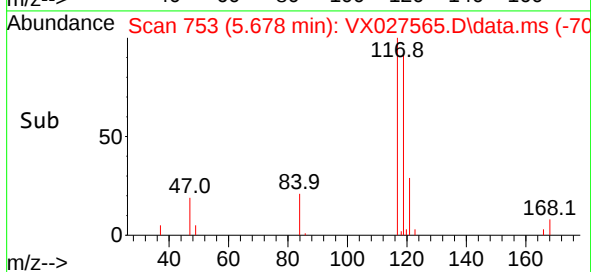
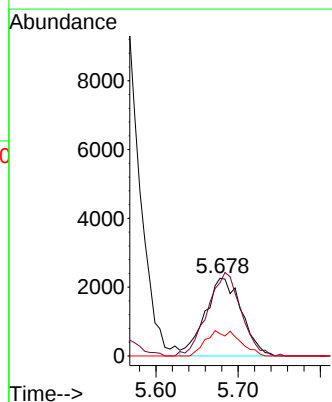
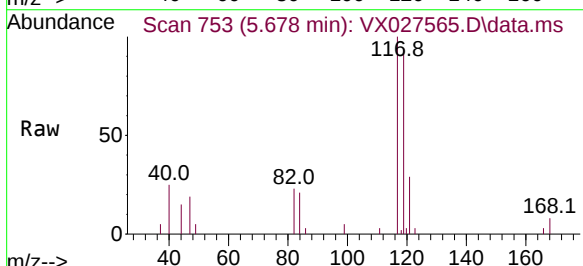
Tgt Ion: 117 Resp: 6973

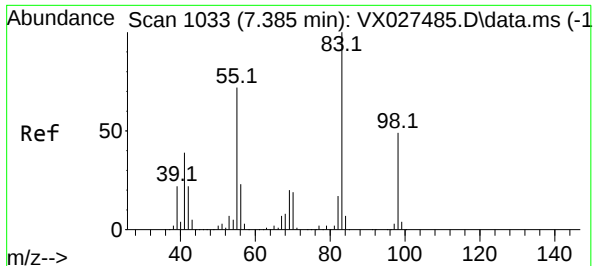
Ion Ratio Lower Upper

117 100

119 92.0 77.3 115.9

121 28.6 24.2 36.2





#39

Methylcyclohexane

Concen: 1.026 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX027565.D

Acq: 19 Mar 2022 17:08

Instrument :

MSVOA_X

ClientSampleId :

RE-139D2-20220316

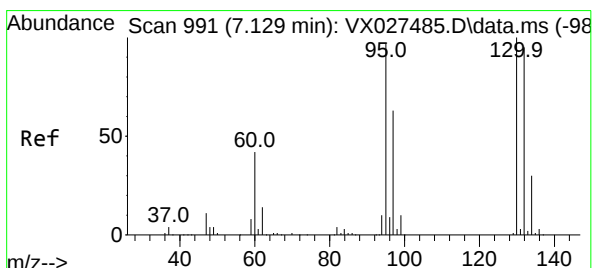
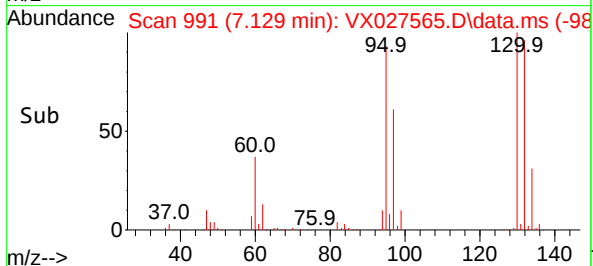
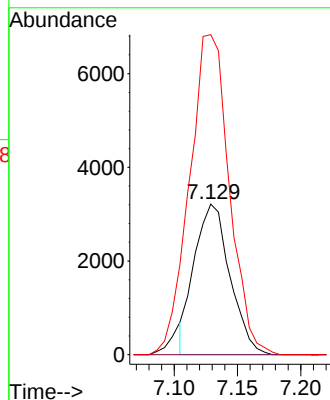
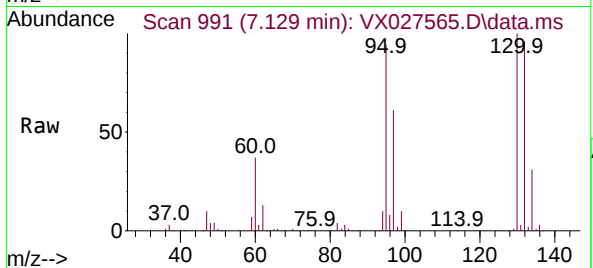
Tgt Ion: 83 Resp: 6270

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 212.5 37.4 56.2#



#44

Trichloroethene

Concen: 147.917 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX027565.D

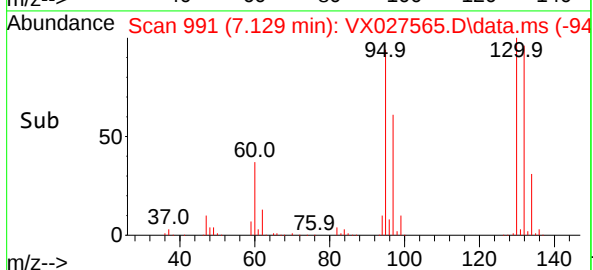
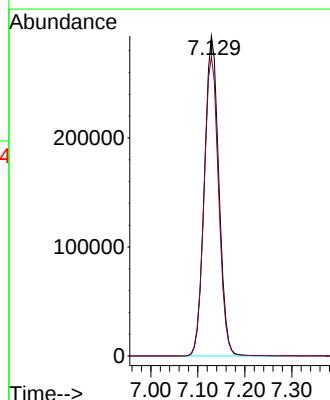
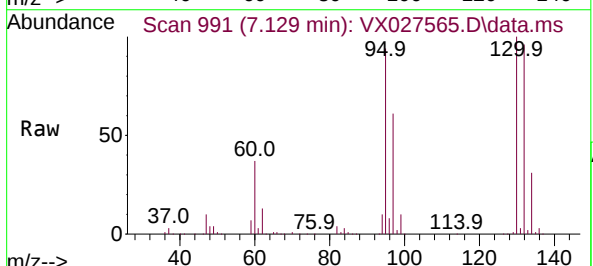
Acq: 19 Mar 2022 17:08

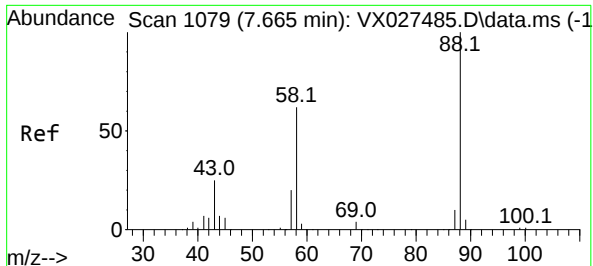
Tgt Ion:130 Resp: 626009

Ion Ratio Lower Upper

130 100

95 93.5 0.0 188.8





#49

1,4-Dioxane

Concen: 4.361 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.025 min

Lab File: VX027565.D

Acq: 19 Mar 2022 17:08

Instrument :

MSVOA_X

ClientSampleId :

RE-139D2-20220316

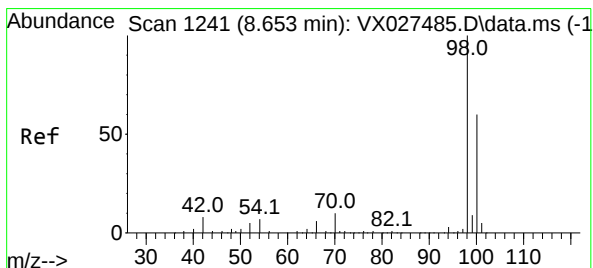
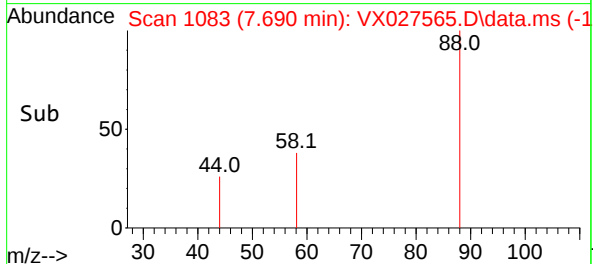
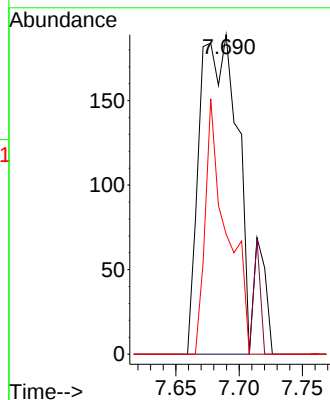
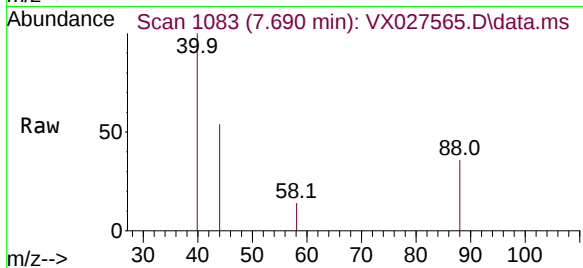
Tgt Ion: 88 Resp: 432

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 41.7 53.7 80.5#



#50

Toluene-d8

Concen: 47.985 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX027565.D

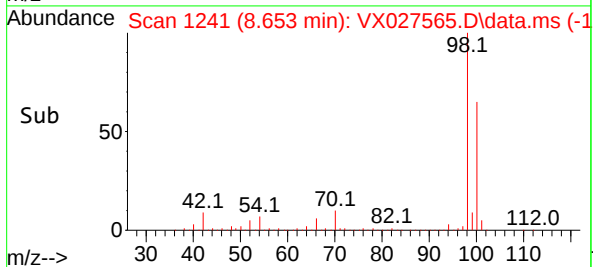
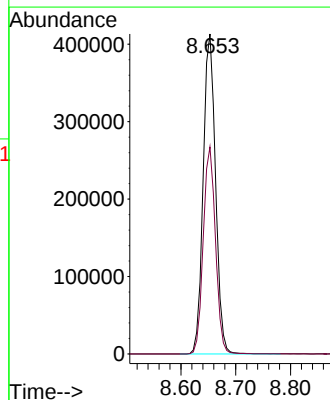
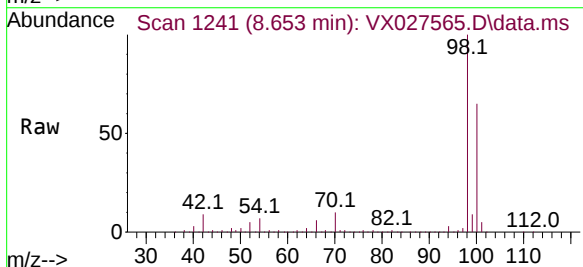
Acq: 19 Mar 2022 17:08

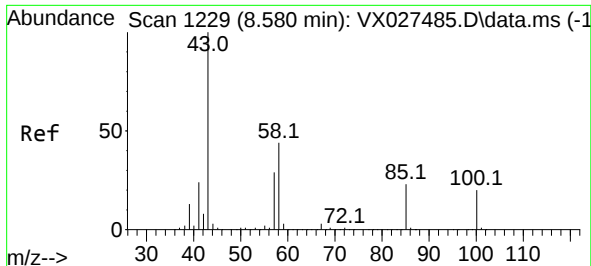
Tgt Ion: 98 Resp: 645696

Ion Ratio Lower Upper

98 100

100 64.2 52.6 78.8

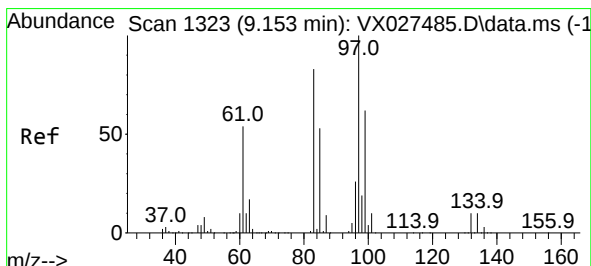
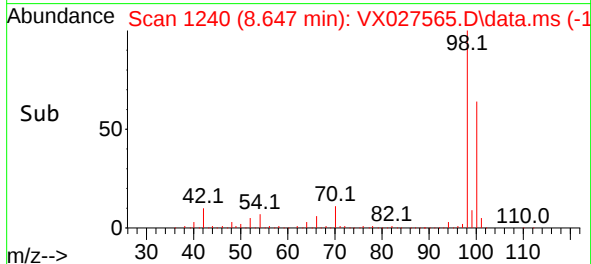
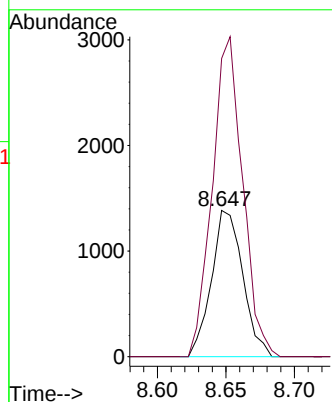
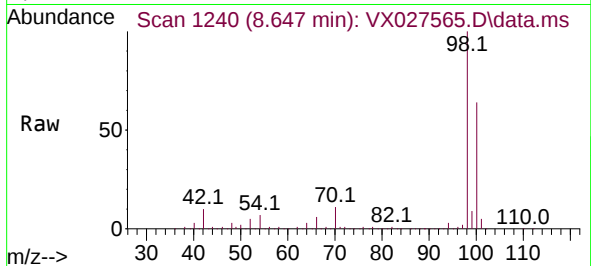




#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

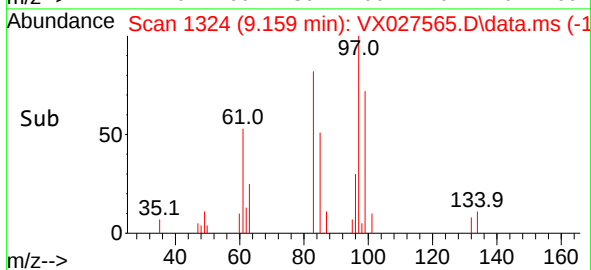
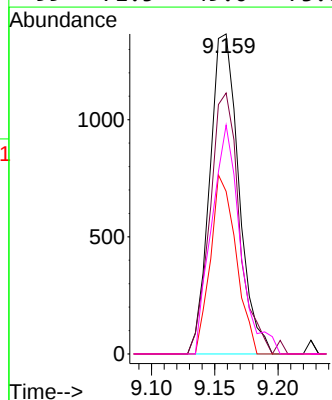
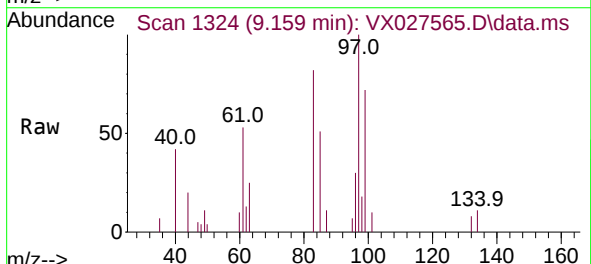
Instrument :
MSVOA_X
ClientSampleId :
RE-139D2-20220316

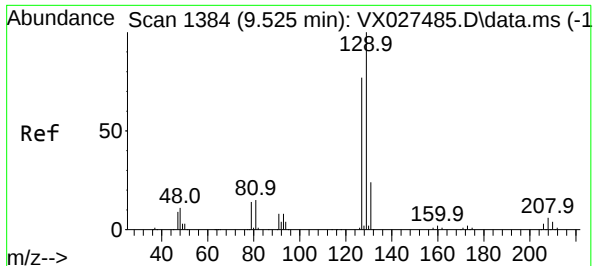
Tgt Ion: 43 Resp: 2202
Ion Ratio Lower Upper
43 100
58 212.1 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 0.576 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Tgt Ion: 97 Resp: 2191
Ion Ratio Lower Upper
97 100
83 81.6 66.2 99.4
85 50.8 42.9 64.3
99 71.5 49.0 73.6

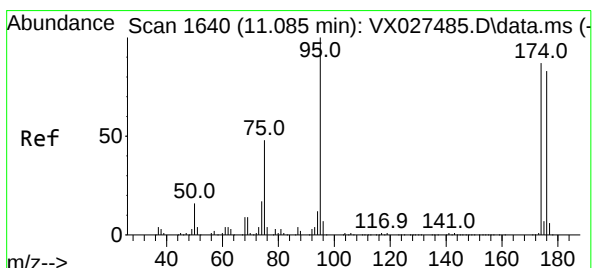
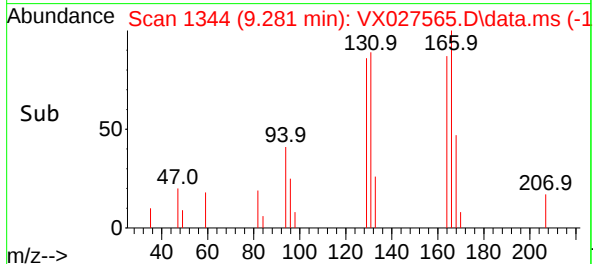
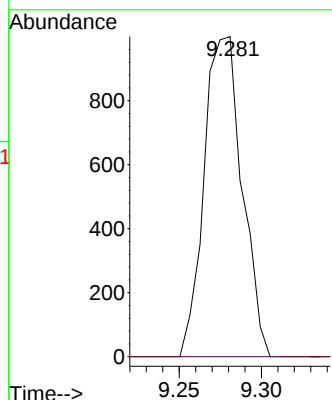
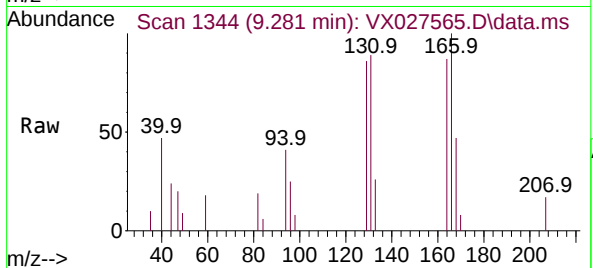




#60
Dibromochloromethane
Concen: 0.384 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

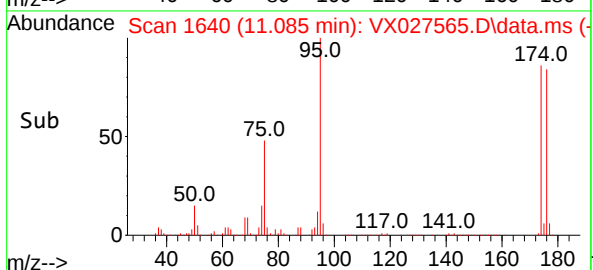
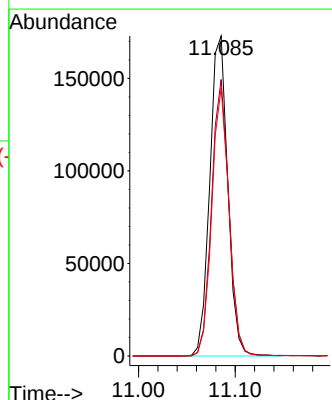
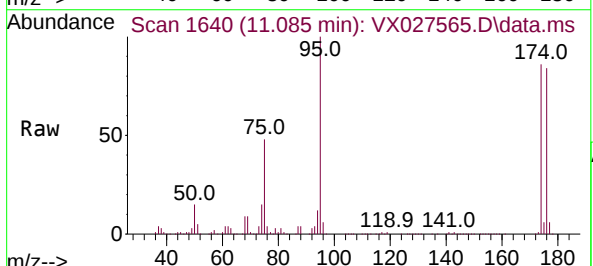
Instrument :
MSVOA_X
ClientSampleId :
RE-139D2-20220316

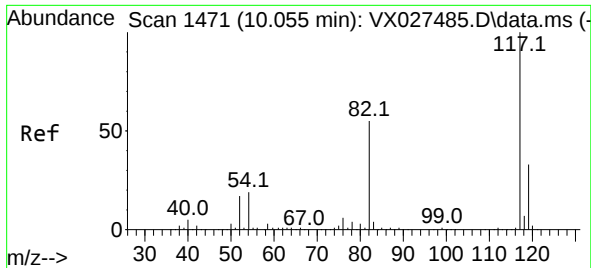
Tgt Ion:129 Resp: 1607
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 45.249 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Tgt Ion: 95 Resp: 223797
Ion Ratio Lower Upper
95 100
174 83.7 0.0 163.0
176 80.4 0.0 155.0

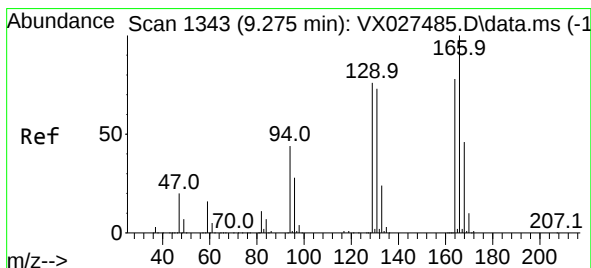
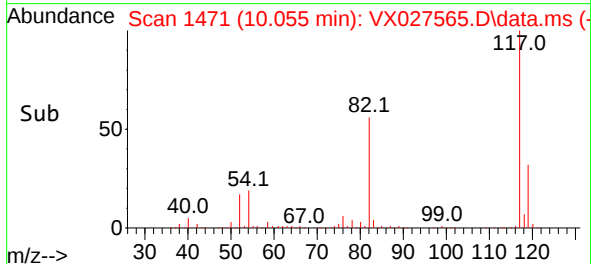
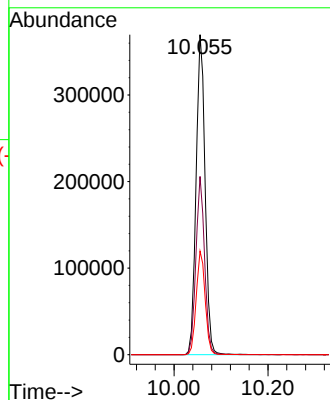
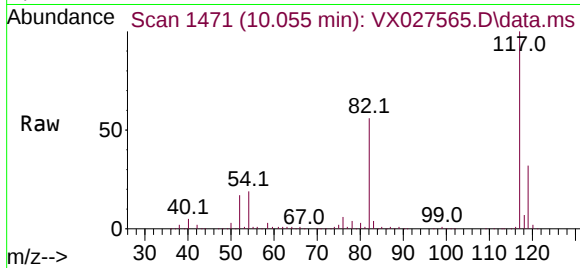




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

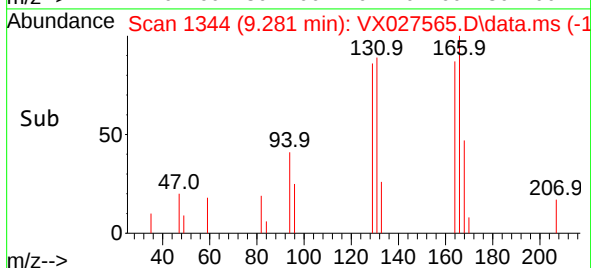
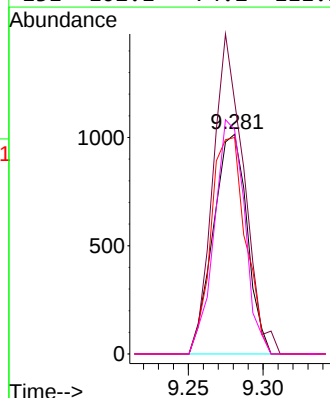
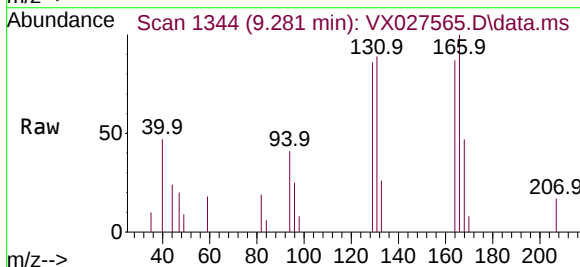
Instrument :
MSVOA_X
ClientSampleId :
RE-139D2-20220316

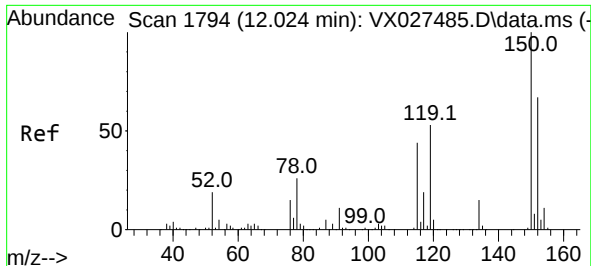
Tgt Ion:117 Resp: 496185
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.8
119 32.4 24.8 37.2



#64
Tetrachloroethene
Concen: 0.415 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

Tgt Ion:164 Resp: 1601
Ion Ratio Lower Upper
164 100
166 115.1 101.2 151.8
129 98.5 73.0 109.4
131 102.1 74.2 111.2

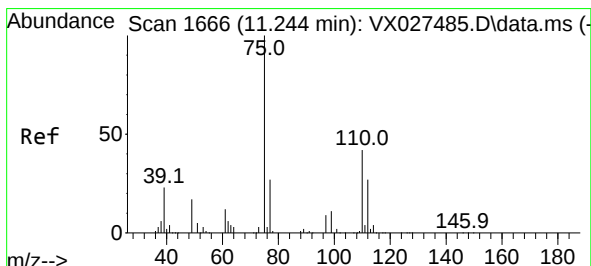
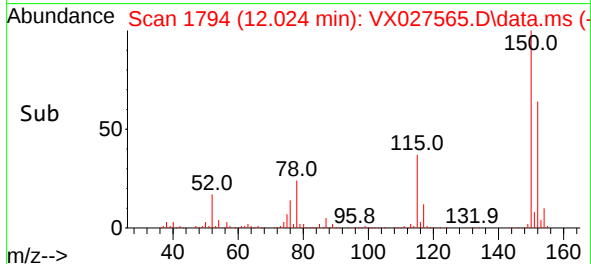
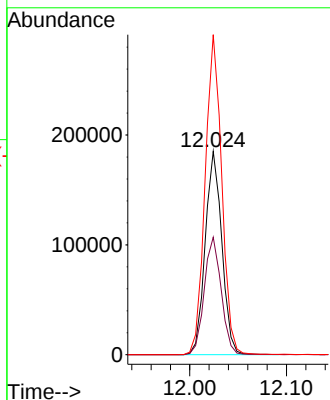
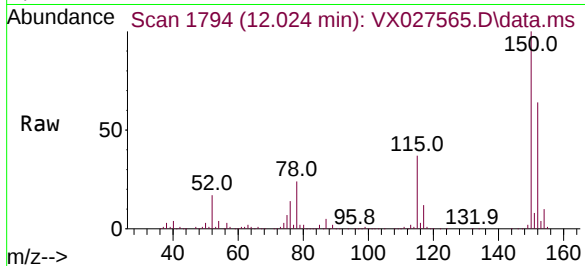




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

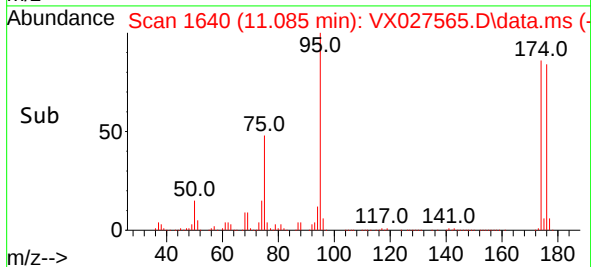
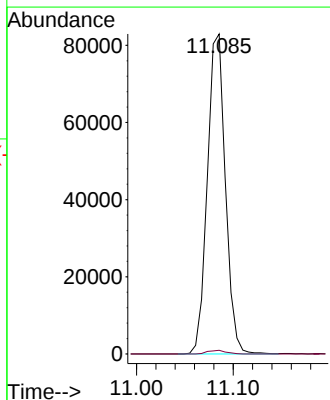
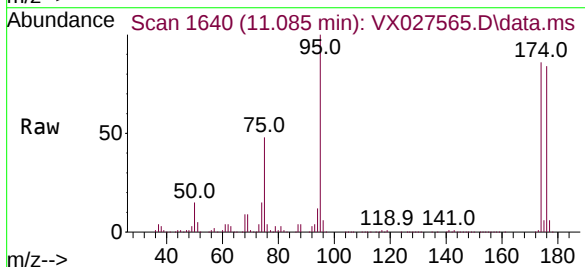
Instrument :
MSVOA_X
ClientSampleId :
RE-139D2-20220316

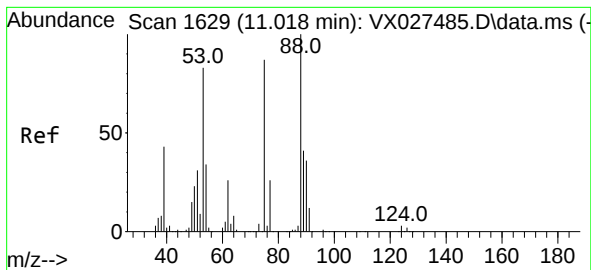
Tgt Ion:152 Resp: 221919
Ion Ratio Lower Upper
152 100
115 58.8 37.5 112.7
150 157.1 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 23.210 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027565.D
Acq: 19 Mar 2022 17:08

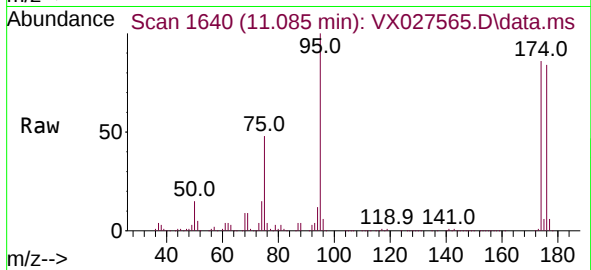
Tgt Ion: 75 Resp: 107735
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.489 ug/l
 RT: 11.085 min Scan# 10
 Delta R.T. 0.067 min
 Lab File: VX027565.D
 Acq: 19 Mar 2022 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-139D2-20220316



Tgt Ion: 75 Resp: 107735
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

