

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027561.D
 Acq On : 19 Mar 2022 15:34
 Operator : JC/MD
 Sample : N2000-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D7-20220315

Quant Time: Mar 21 01:22:55 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)

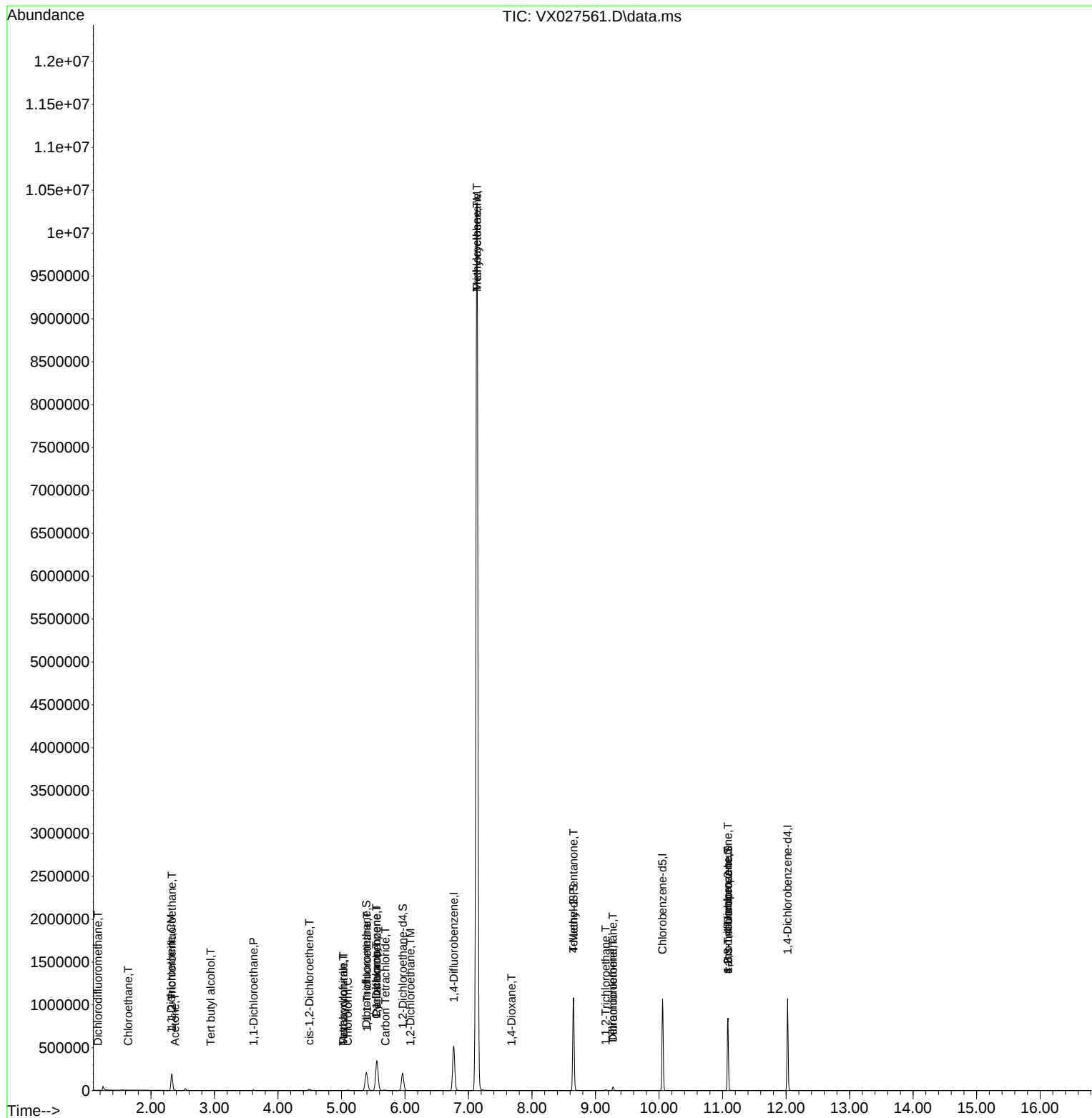
Internal Standards						
1) Pentafluorobenzene	5.555	168	349805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	576908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	500215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	224117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	193484	44.900	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.800%
35) Dibromofluoromethane	5.391	113	185614	50.008	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.020%
50) Toluene-d8	8.652	98	655897	46.698	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.400%
62) 4-Bromofluorobenzene	11.085	95	227962	44.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.320%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	768	0.229	ug/l	86
5) Bromomethane	1.611	94	509	Below Cal	#	56
6) Chloroethane	1.642	64	1161	0.549	ug/l #	51
9) 1,1,2-Trichlorotrifluo...	2.330	101	63760	18.834	ug/l	95
11) Tert butyl alcohol	2.940	59	981	1.195	ug/l #	72
12) 1,1-Dichloroethene	2.318	96	18336	5.645	ug/l	98
16) Acetone	2.379	43	3422	1.948	ug/l	97
24) 1,1-Dichloroethane	3.617	63	7109	1.178	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	10811	2.691	ug/l	81
29) Tetrahydrofuran	5.025	42	1115	0.658	ug/l #	86
30) Chloroform	5.098	83	6816	1.023	ug/l	91
31) Cyclohexane	5.549	56	5478	1.024	ug/l #	1
32) 1,1,1-Trichloroethane	5.403	97	1710	0.282	ug/l #	46
36) 1,1-Dichloropropene	5.549	75	23613	4.655	ug/l #	49
38) Carbon Tetrachloride	5.690	117	6124	1.055	ug/l	95
39) Methylcyclohexane	7.134	83	46518	7.293	ug/l #	1
41) Methacrylonitrile	5.031	41	677	0.246	ug/l #	36
42) 1,2-Dichloroethane	6.086	62	1505	0.276	ug/l #	73
44) Trichloroethene	7.134	130	4385567	992.771	ug/l	100
49) 1,4-Dioxane	7.677	88	949	9.178	ug/l #	89
51) 4-Methyl-2-Pentanone	8.652	43	2447	0.471	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	2896	0.729	ug/l	95
60) Dibromochloromethane	9.274	129	8468	1.937	ug/l #	9
64) Tetrachloroethene	9.274	164	8765	2.254	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	113151	24.138	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	113151	73.306	ug/l #	15

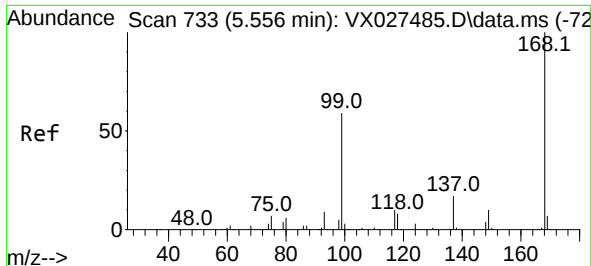
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
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Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
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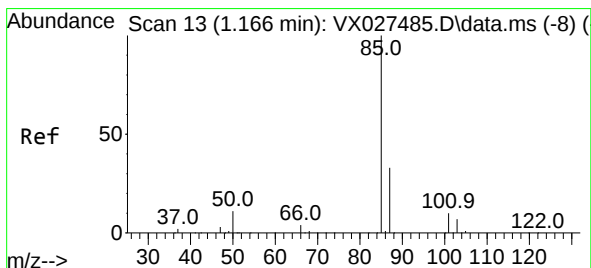
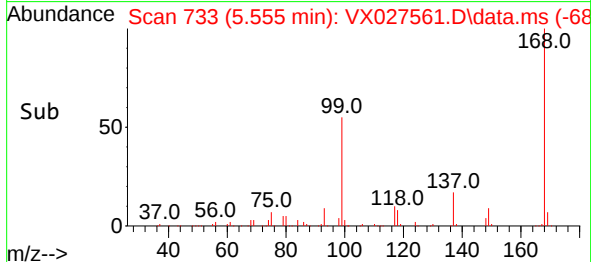
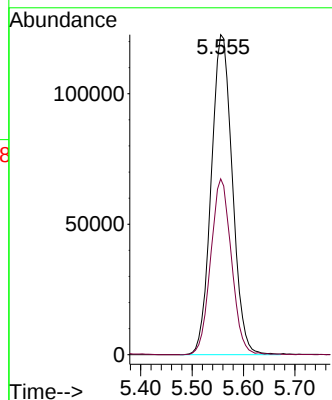
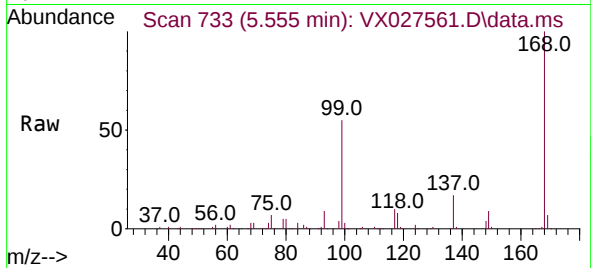




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

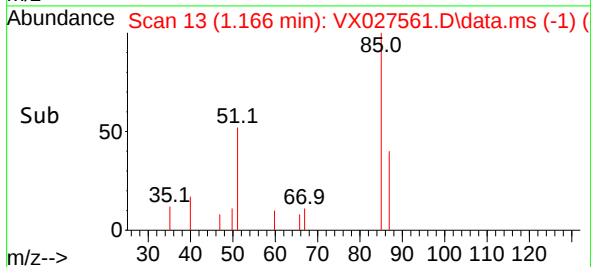
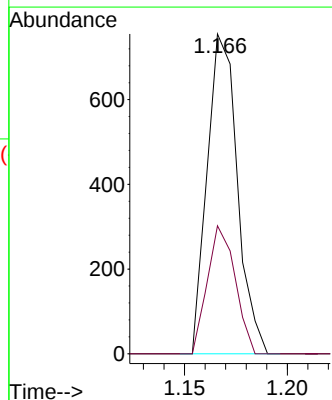
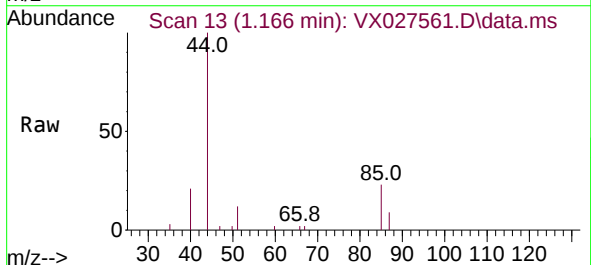
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

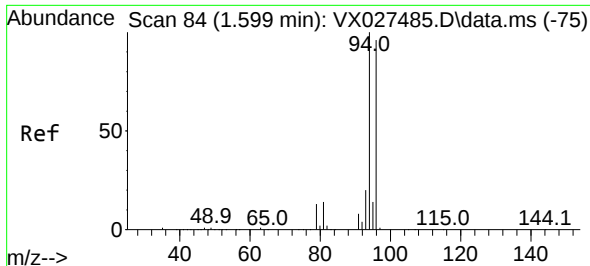
Tgt Ion:168 Resp: 349805
Ion Ratio Lower Upper
168 100
99 54.9 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.229 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 85 Resp: 768
Ion Ratio Lower Upper
85 100
87 40.0 16.2 48.6

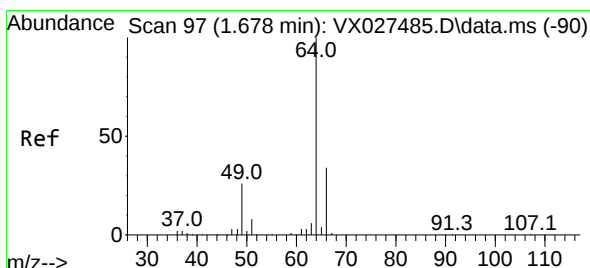
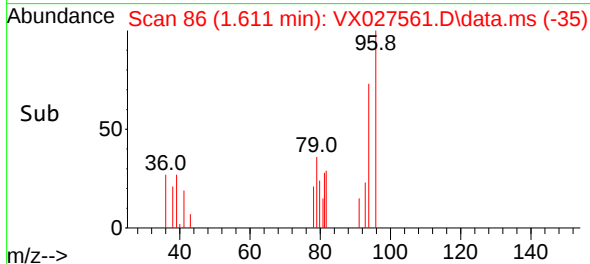
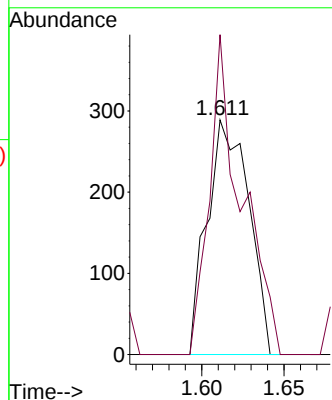
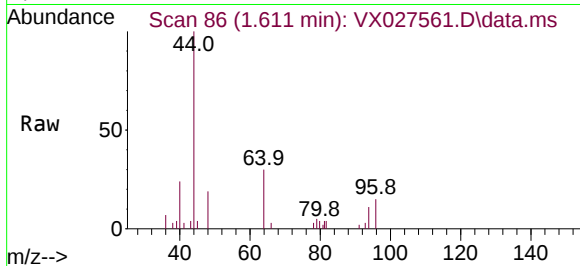




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

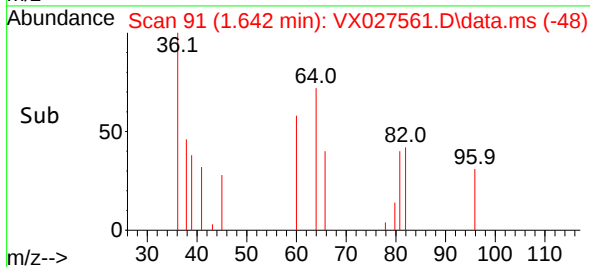
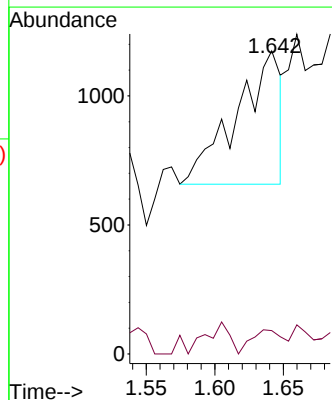
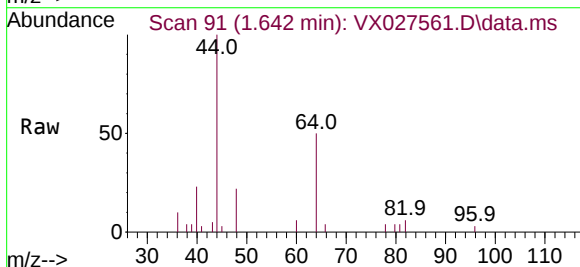
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

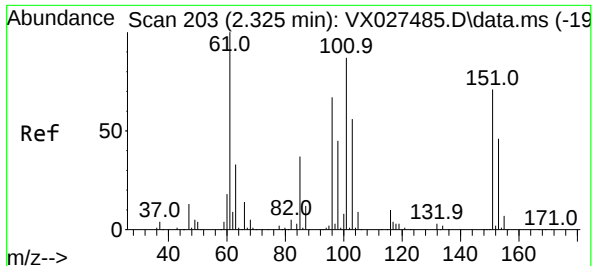
Tgt Ion: 94 Resp: 509
Ion Ratio Lower Upper
94 100
96 136.3 75.3 112.9#



#6
Chloroethane
Concen: 0.549 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 64 Resp: 1161
Ion Ratio Lower Upper
64 100
66 4.7 25.3 37.9#

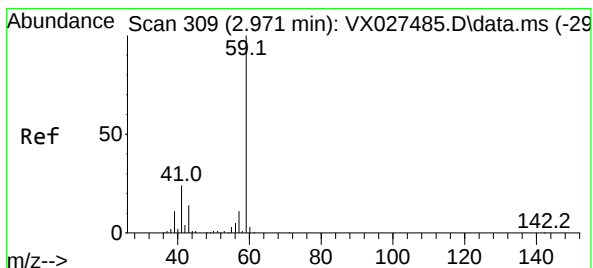
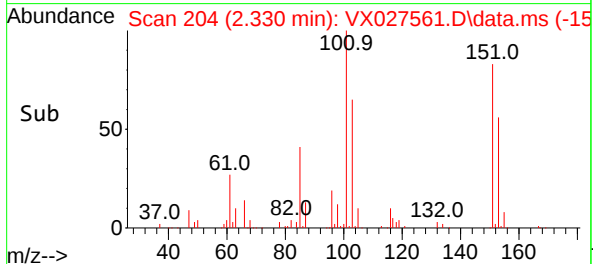
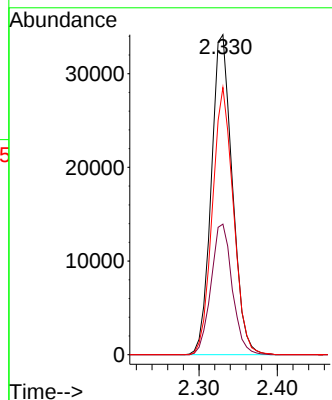
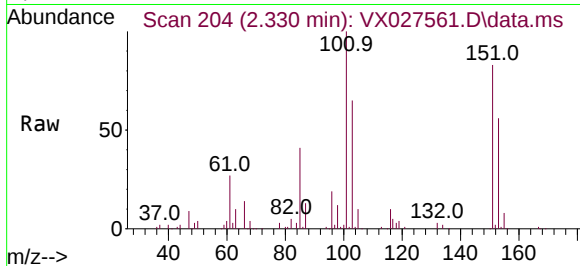




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.834 ug/l
RT: 2.330 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

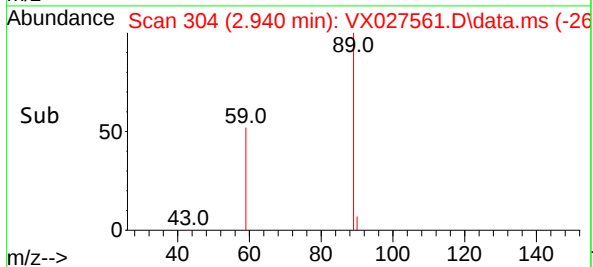
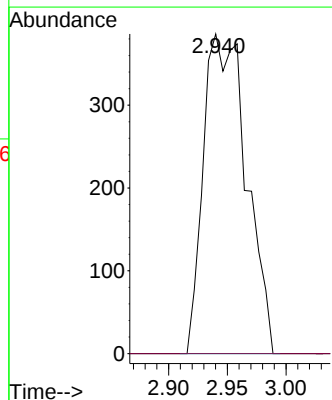
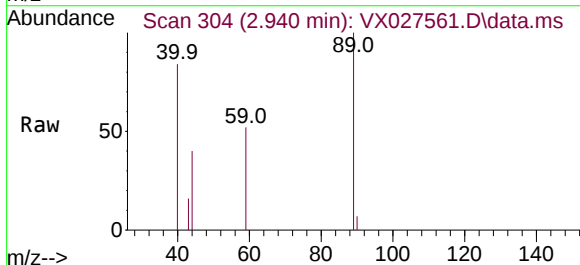
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

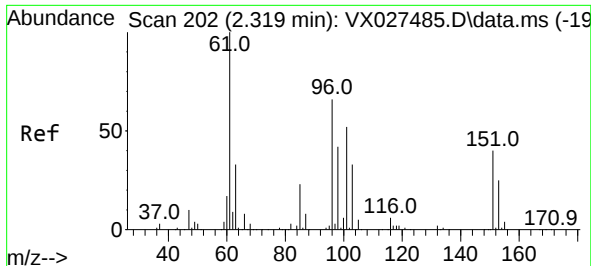
Tgt Ion:101 Resp: 63760
Ion Ratio Lower Upper
101 100
85 41.1 33.5 50.3
151 83.4 61.8 92.6



#11
Tert butyl alcohol
Concen: 1.195 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.031 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 59 Resp: 981
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 5.645 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX027561.D

Acq: 19 Mar 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

RE-132D7-20220315

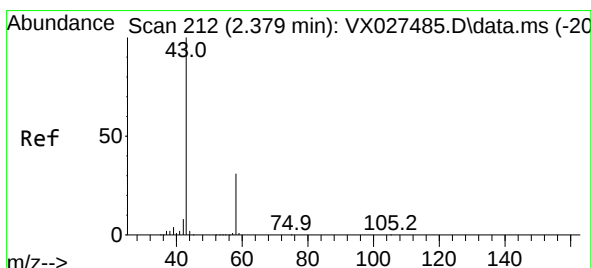
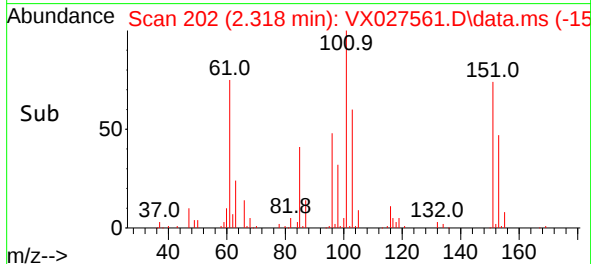
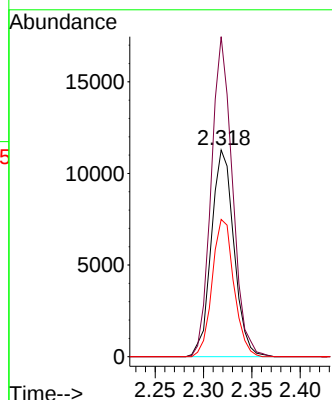
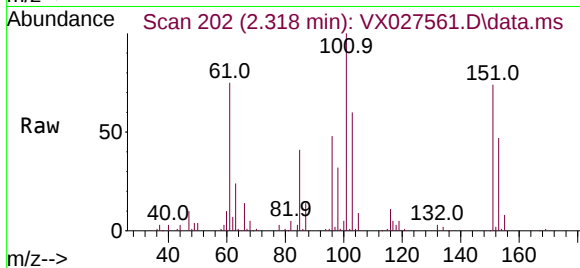
Tgt Ion: 96 Resp: 18336

Ion Ratio Lower Upper

96 100

61 154.8 124.6 187.0

98 66.4 51.0 76.4



#16

Acetone

Concen: 1.948 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX027561.D

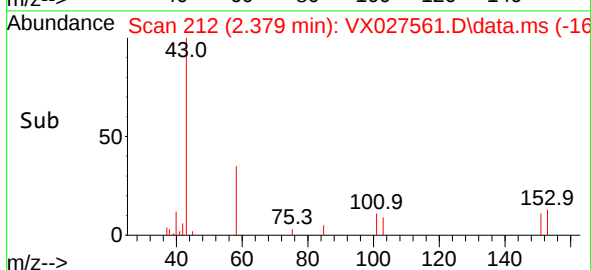
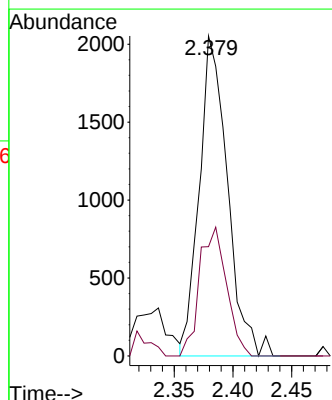
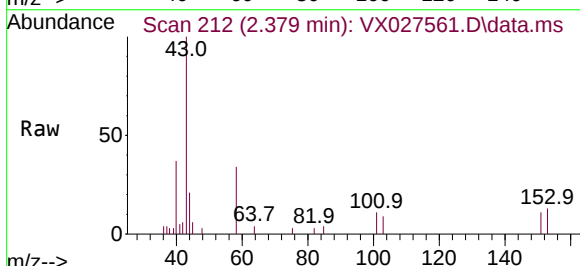
Acq: 19 Mar 2022 15:34

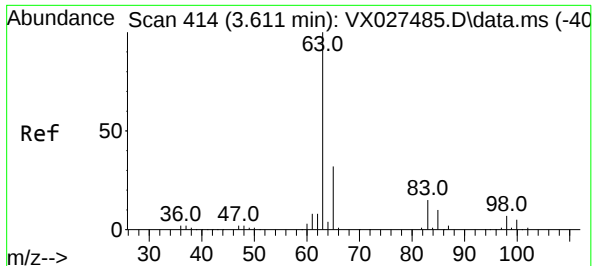
Tgt Ion: 43 Resp: 3422

Ion Ratio Lower Upper

43 100

58 34.1 28.8 43.2

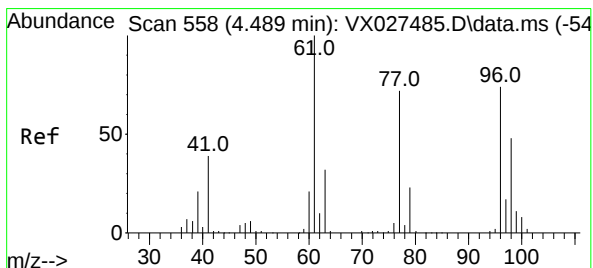
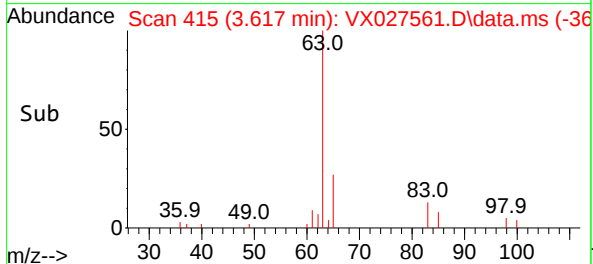
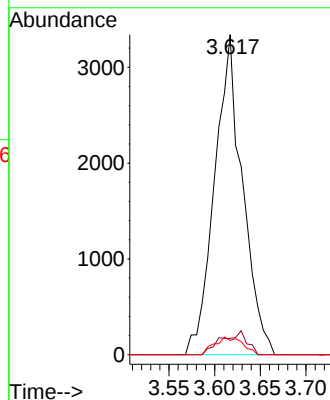
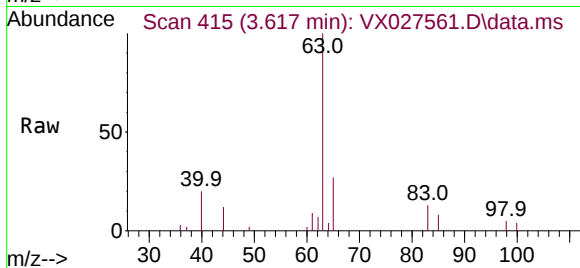




#24
 1,1-Dichloroethane
 Concen: 1.178 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX027561.D
 Acq: 19 Mar 2022 15:34

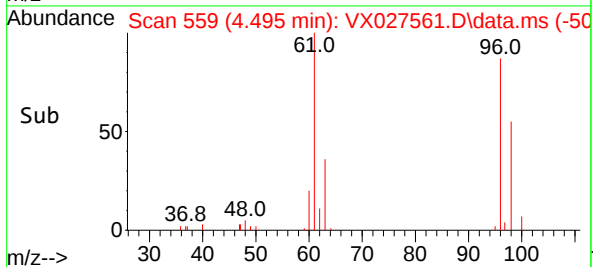
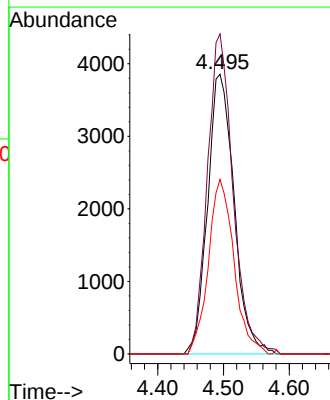
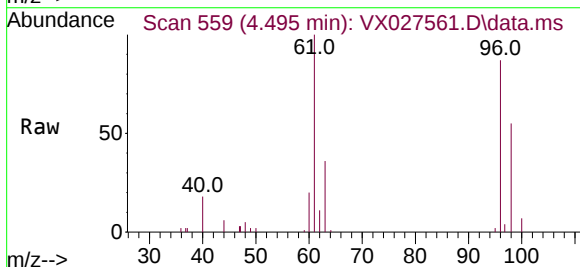
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D7-20220315

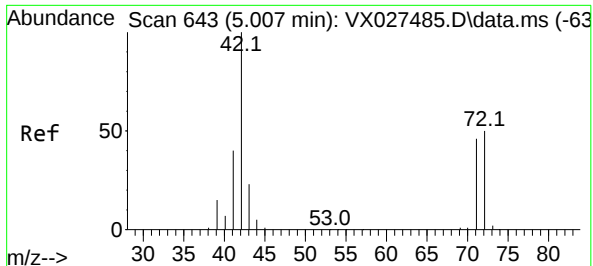
Tgt Ion: 63 Resp: 7109
 Ion Ratio Lower Upper
 63 100
 98 5.1 3.9 11.7
 100 4.5 2.4 7.2



#27
 cis-1,2-Dichloroethene
 Concen: 2.691 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: VX027561.D
 Acq: 19 Mar 2022 15:34

Tgt Ion: 96 Resp: 10811
 Ion Ratio Lower Upper
 96 100
 61 110.8 0.0 283.8
 98 60.2 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.658 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX027561.D

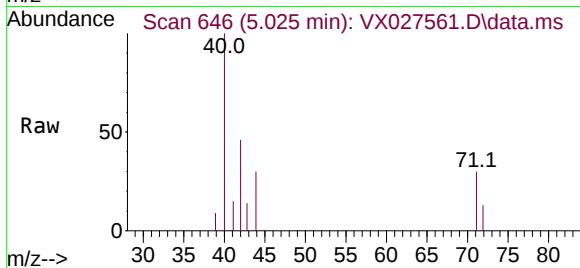
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Instrument :

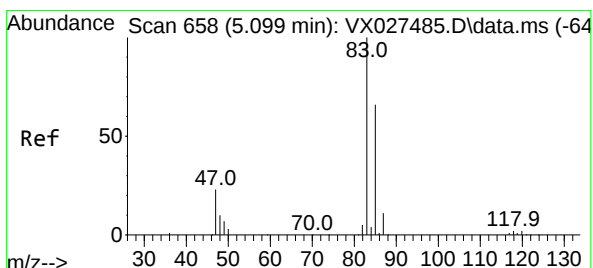
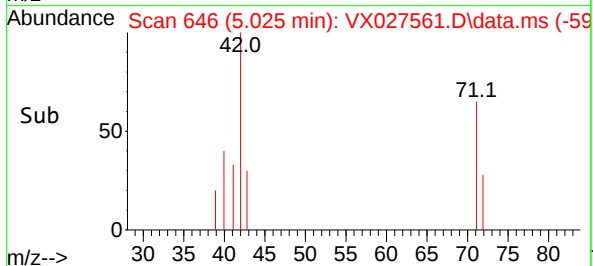
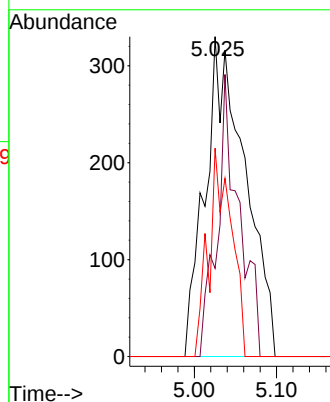
MSVOA_X

ClientSampleId :

RE-132D7-20220315



Tgt Ion:	42	Resp:	1115
Ion Ratio	Lower	Upper	
42	100		
72	48.1	44.1	66.1
71	37.0	40.5	60.7#



#30

Chloroform

Concen: 1.023 ug/l

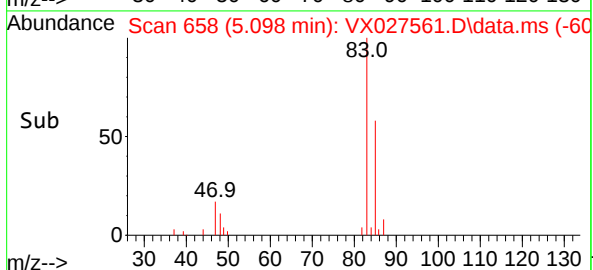
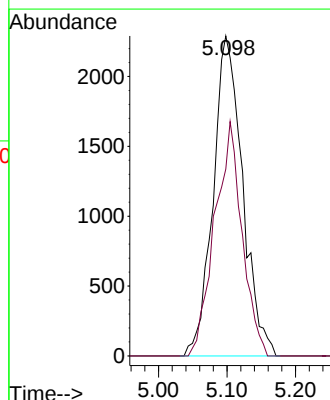
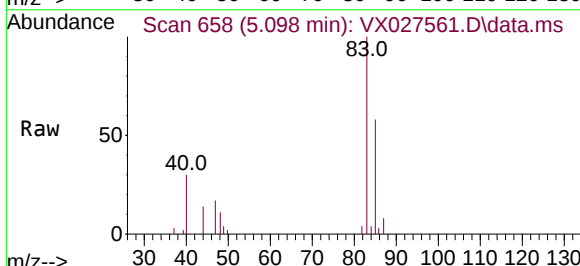
RT: 5.098 min Scan# 658

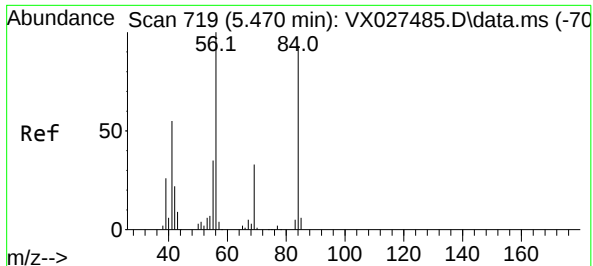
Delta R.T. -0.000 min

Lab File: VX027561.D

Acq: 19 Mar 2022 15:34

Tgt Ion:	83	Resp:	6816
Ion Ratio	Lower	Upper	
83	100		
85	58.4	52.7	79.1

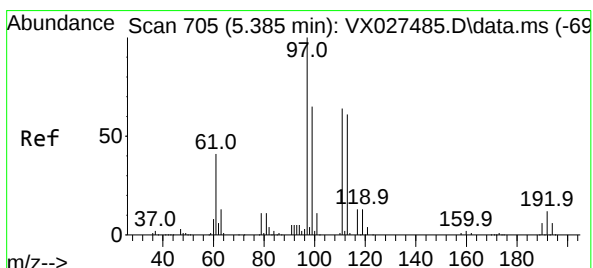
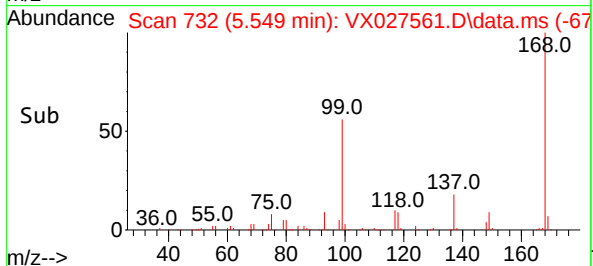
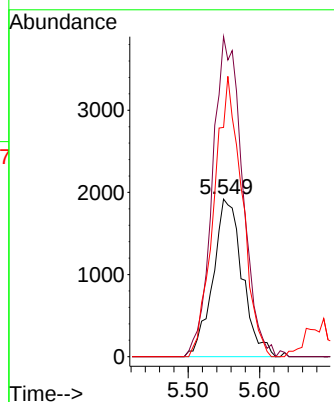
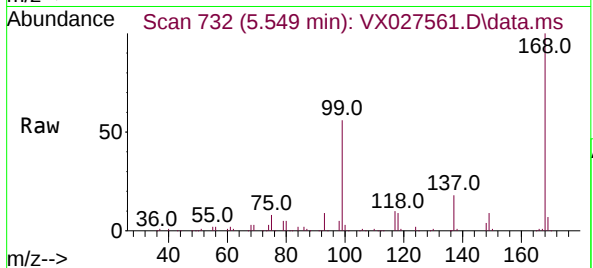




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

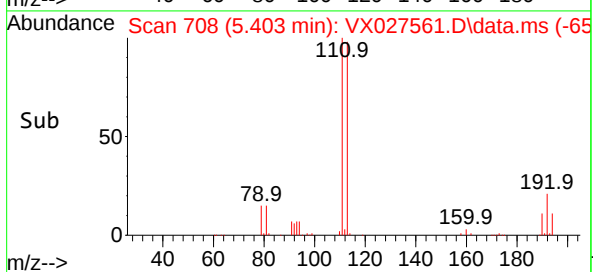
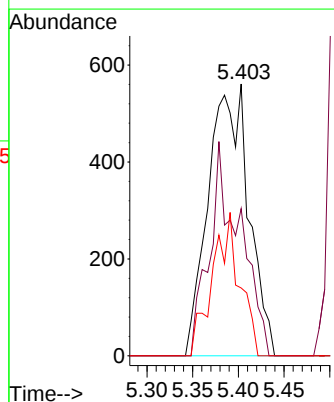
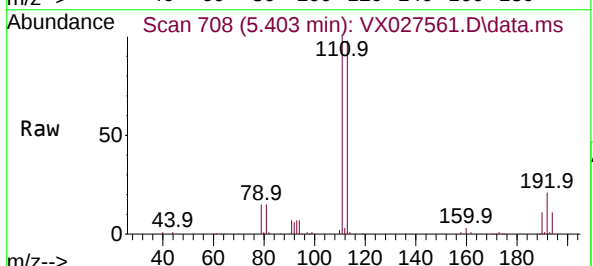
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

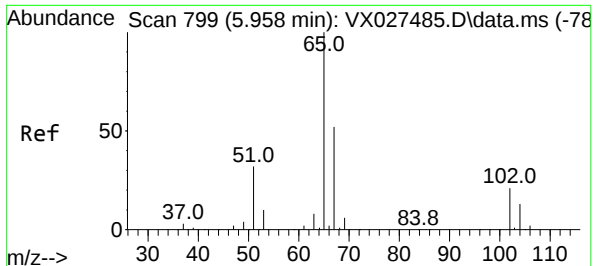
Tgt Ion: 56 Resp: 5478
Ion Ratio Lower Upper
56 100
69 203.0 26.7 40.1#
84 145.4 77.2 115.8#



#32
1,1,1-Trichloroethane
Concen: 0.282 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.018 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 97 Resp: 1710
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 35.8 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 44.900 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX027561.D

Acq: 19 Mar 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

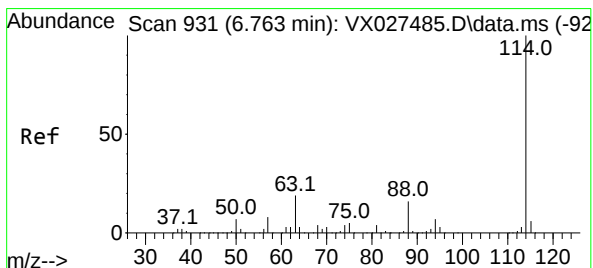
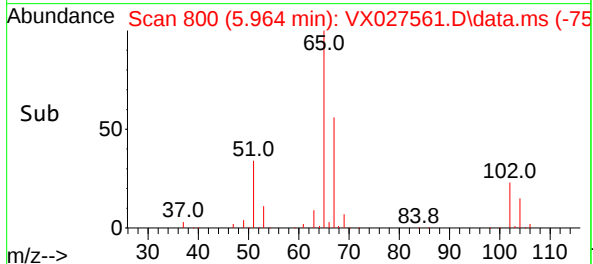
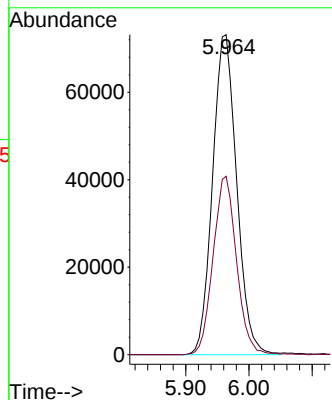
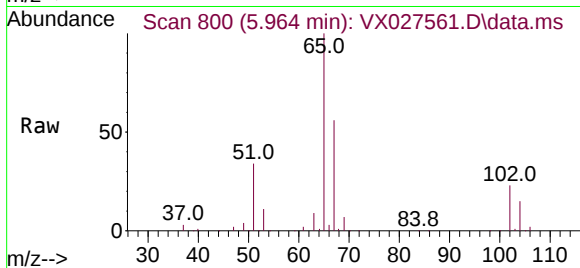
RE-132D7-20220315

Tgt Ion: 65 Resp: 193484

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027561.D

Acq: 19 Mar 2022 15:34

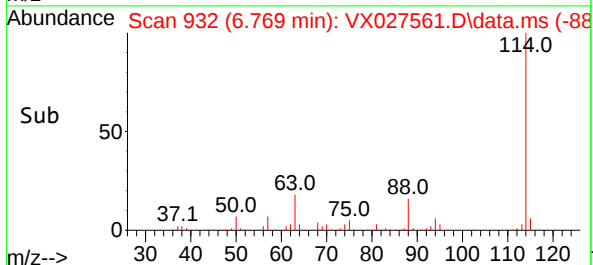
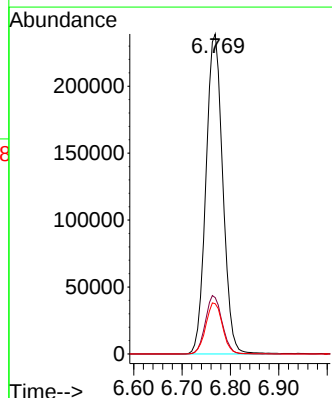
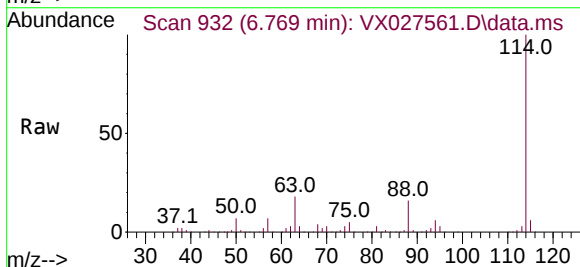
Tgt Ion: 114 Resp: 576908

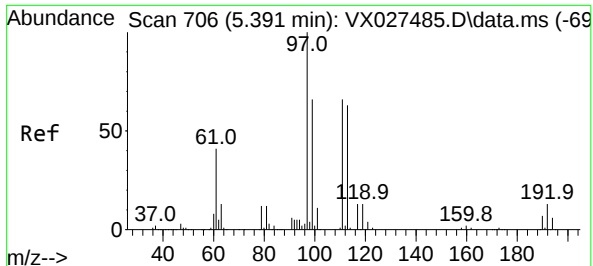
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.008 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX027561.D

Acq: 19 Mar 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

RE-132D7-20220315

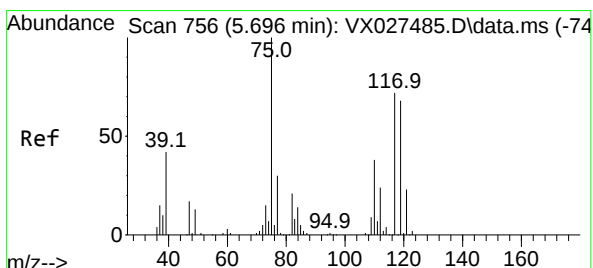
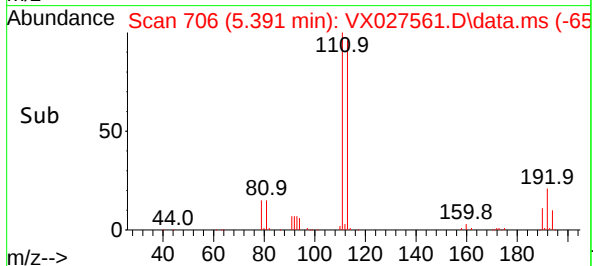
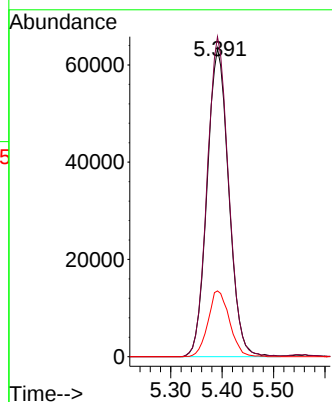
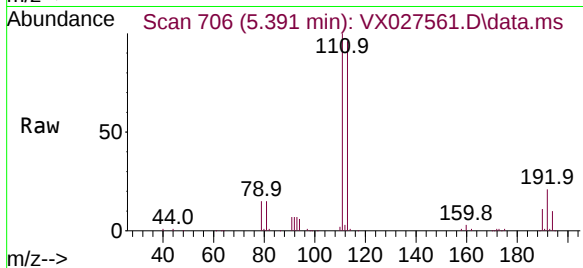
Tgt Ion:113 Resp: 185614

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 21.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX027561.D

Acq: 19 Mar 2022 15:34

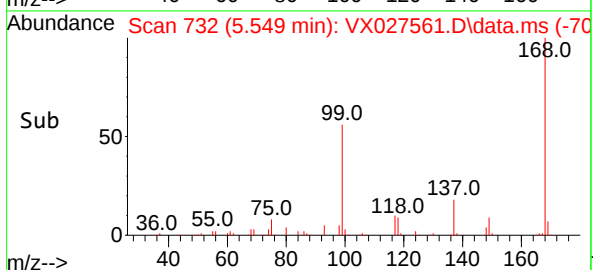
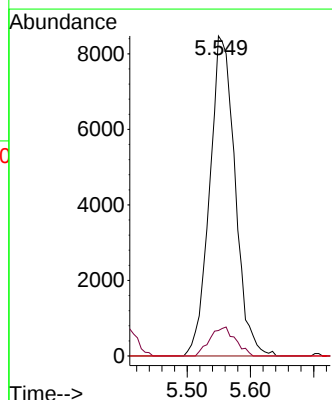
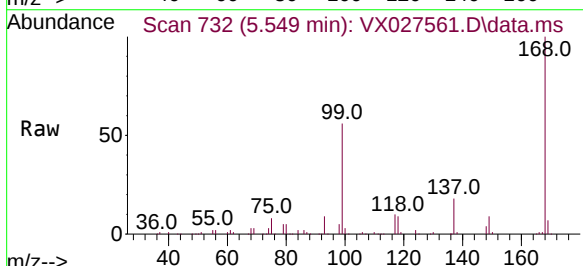
Tgt Ion: 75 Resp: 23613

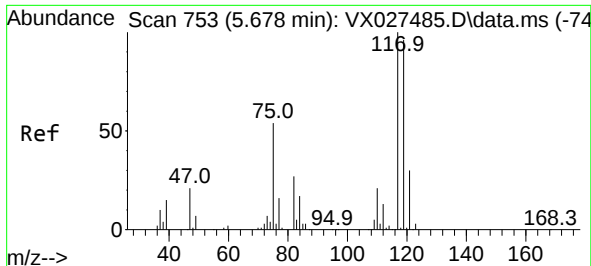
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 24.8 37.2#

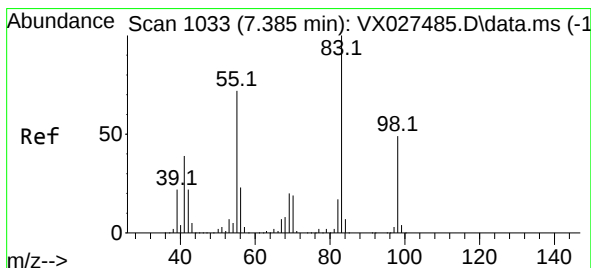
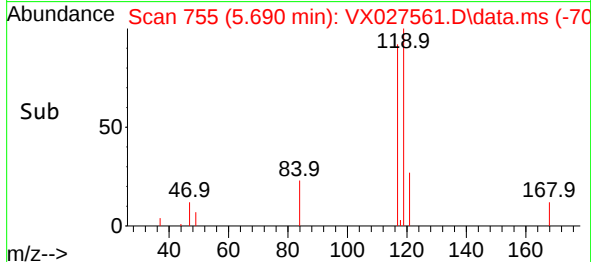
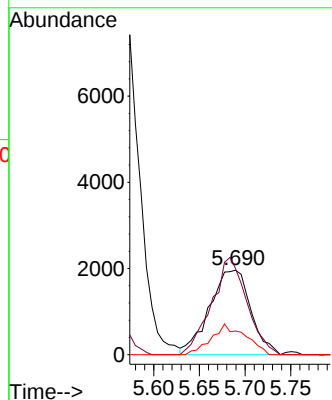
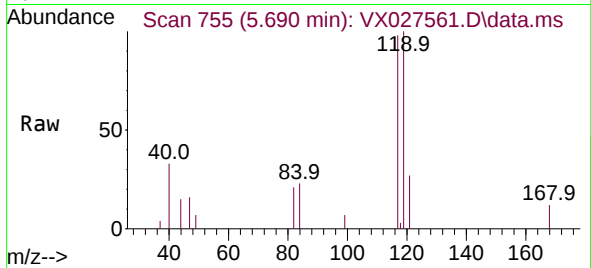




#38
Carbon Tetrachloride
Concen: 1.055 ug/l
RT: 5.690 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

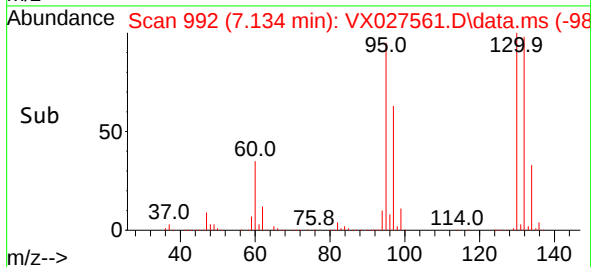
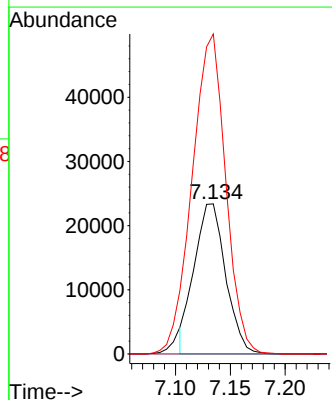
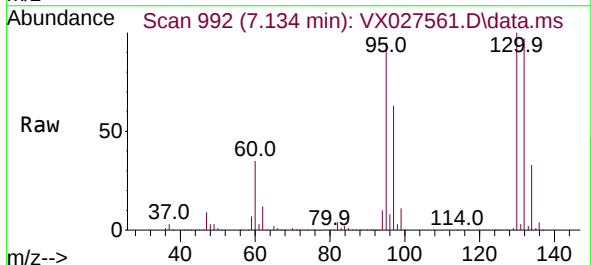
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

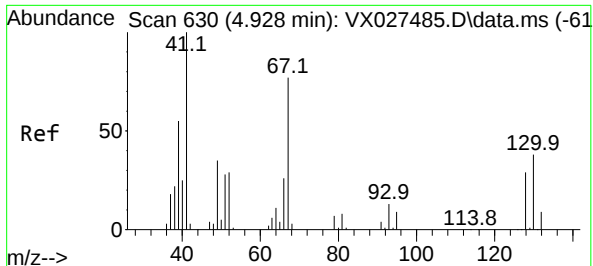
Tgt Ion:117 Resp: 6124
Ion Ratio Lower Upper
117 100
119 101.9 77.3 115.9
121 28.0 24.2 36.2



#39
Methylcyclohexane
Concen: 7.293 ug/l
RT: 7.134 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 83 Resp: 46518
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 213.2 37.4 56.2#

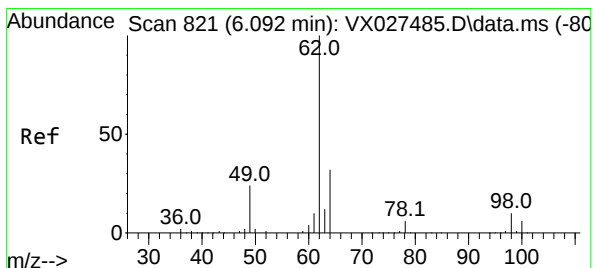
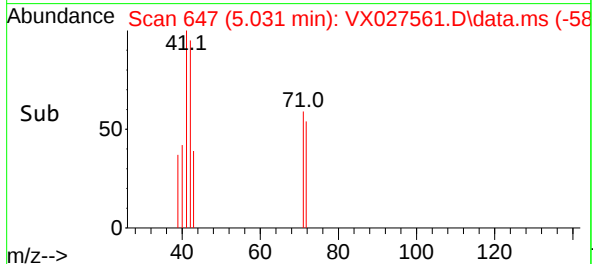
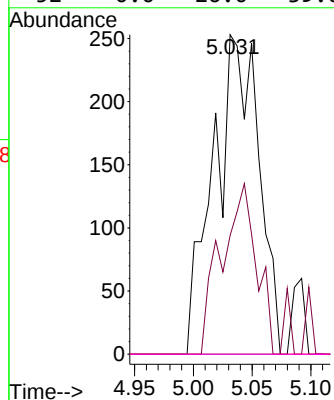
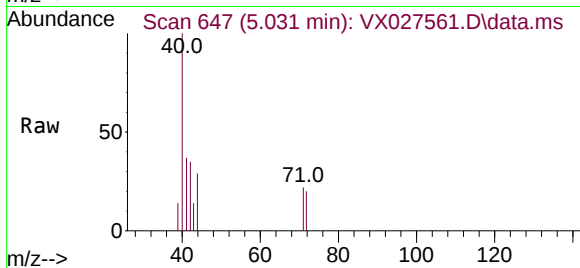




#41
Methacrylonitrile
Concen: 0.246 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.103 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

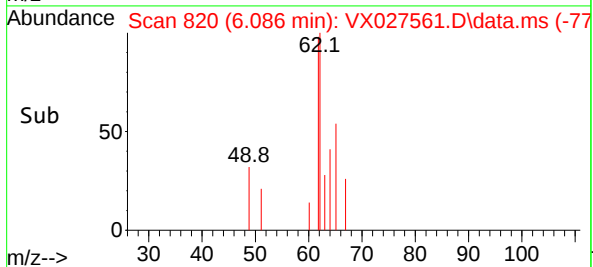
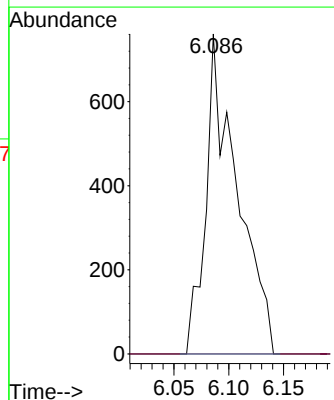
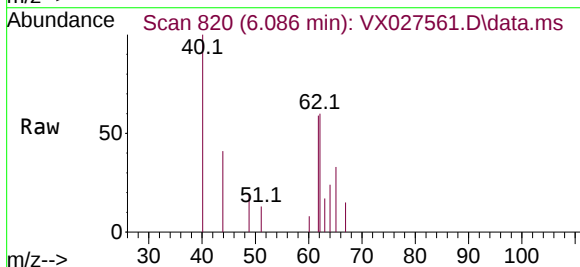
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

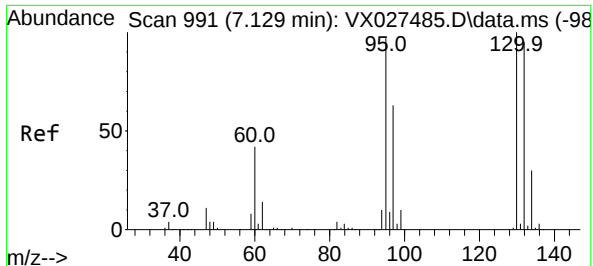
Tgt Ion:	41	Resp:	677
Ion	Ratio	Lower	Upper
41	100		
39	41.7	43.0	64.4#
67	0.0	70.2	105.4#
52	0.0	26.0	39.0#



#42
1,2-Dichloroethane
Concen: 0.276 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion:	62	Resp:	1505
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.4

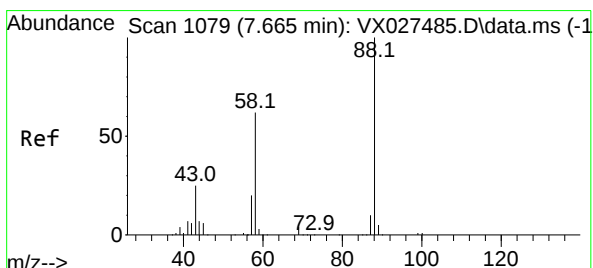
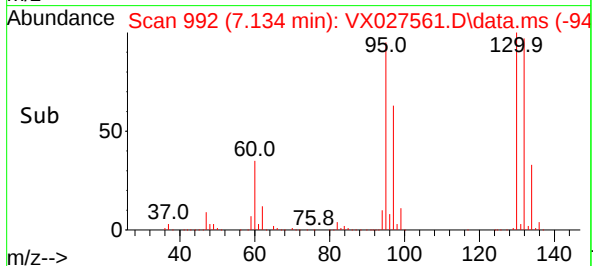
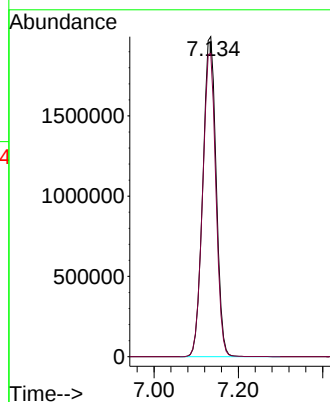
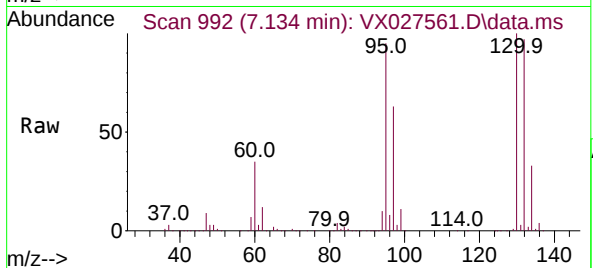




#44
Trichloroethene
Concen: 992.771 ug/l
RT: 7.134 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

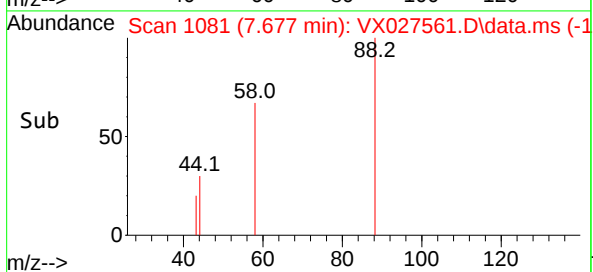
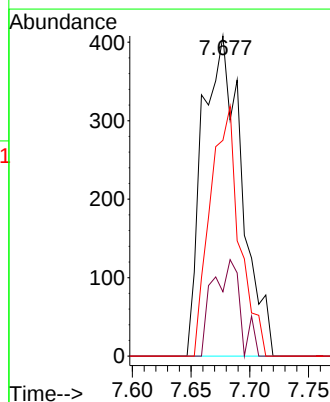
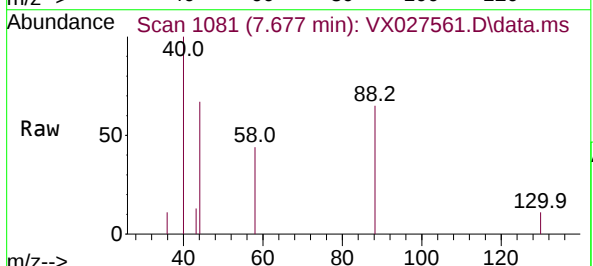
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

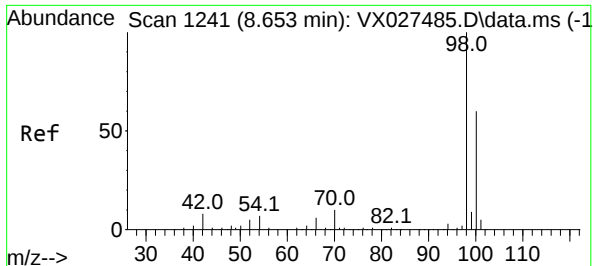
Tgt Ion:130 Resp: 4385567
Ion Ratio Lower Upper
130 100
95 94.7 0.0 188.8



#49
1,4-Dioxane
Concen: 9.178 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 88 Resp: 949
Ion Ratio Lower Upper
88 100
43 21.3 21.9 32.9#
58 58.4 53.7 80.5

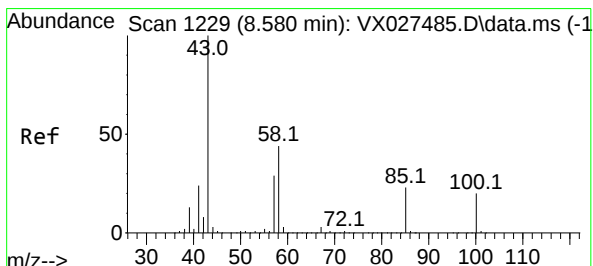
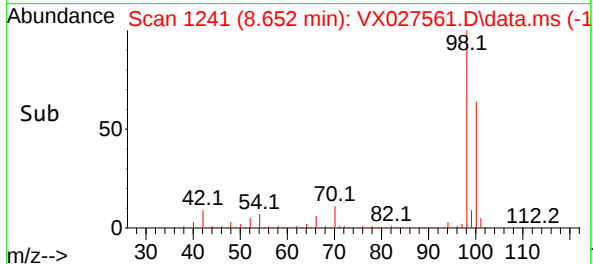
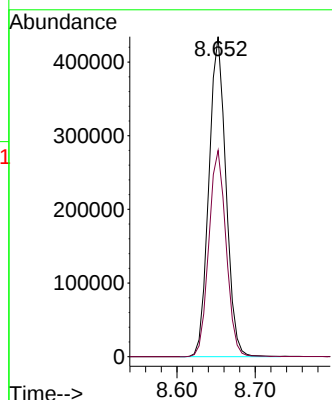
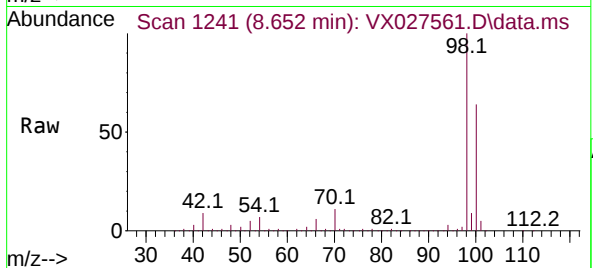




#50
Toluene-d8
Concen: 46.698 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

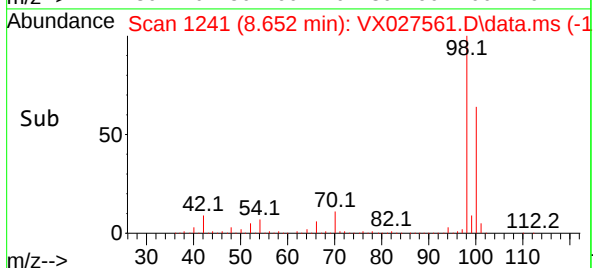
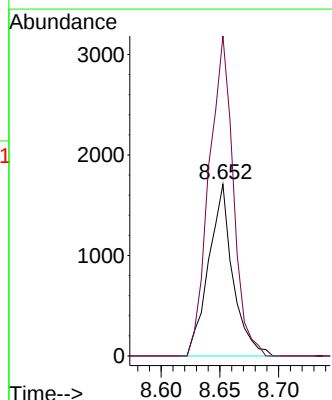
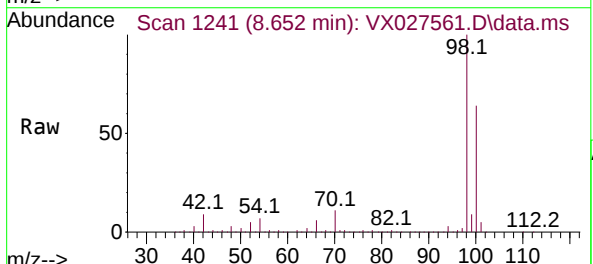
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

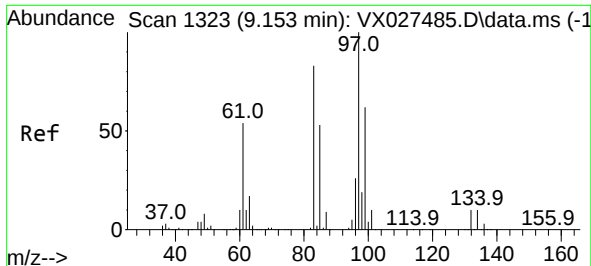
Tgt Ion: 98 Resp: 655897
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 43 Resp: 2447
Ion Ratio Lower Upper
43 100
58 186.6 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.729 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX027561.D

Acq: 19 Mar 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

RE-132D7-20220315

Tgt Ion: 97 Resp: 2896

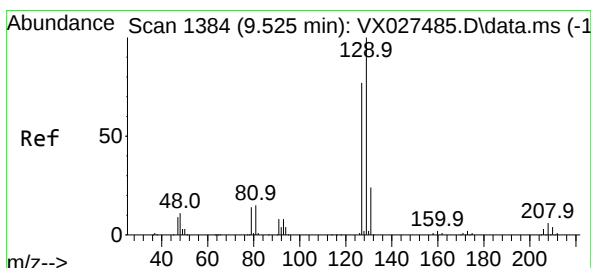
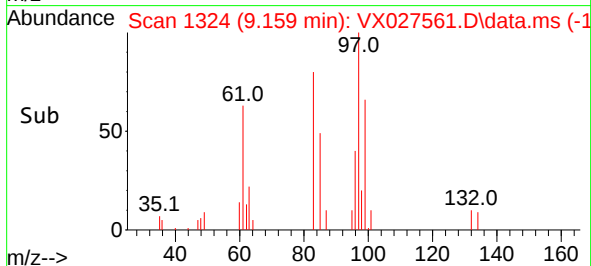
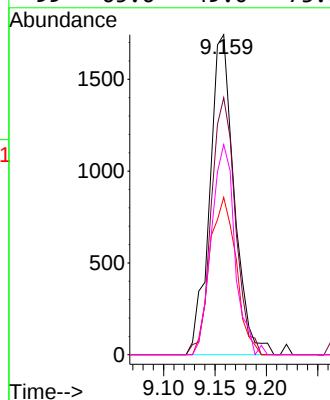
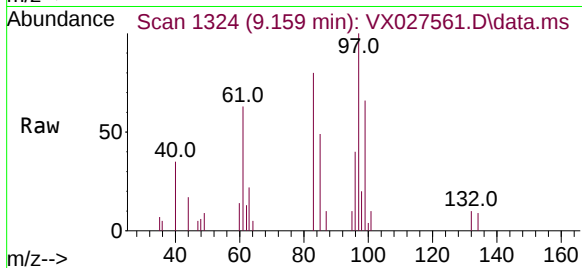
Ion Ratio Lower Upper

97 100

83 80.3 66.2 99.4

85 49.2 42.9 64.3

99 65.6 49.0 73.6



#60

Dibromochloromethane

Concen: 1.937 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX027561.D

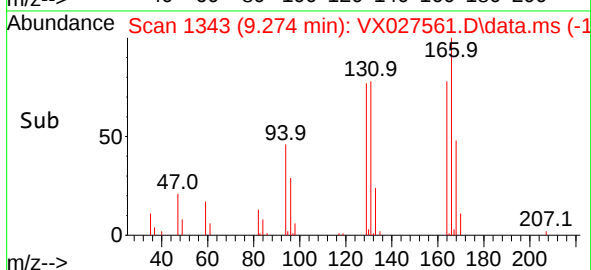
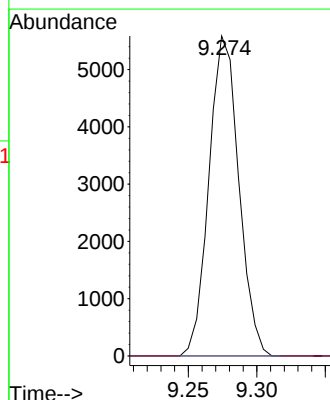
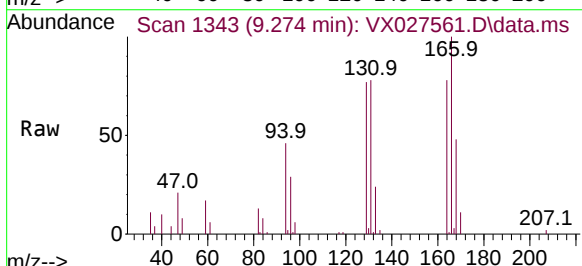
Acq: 19 Mar 2022 15:34

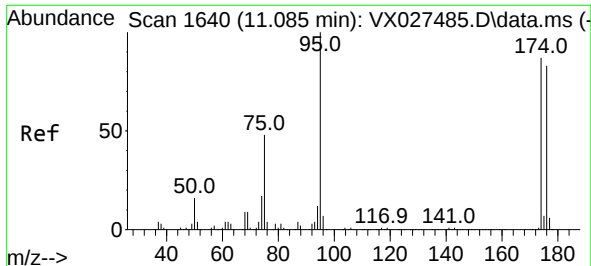
Tgt Ion: 129 Resp: 8468

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#

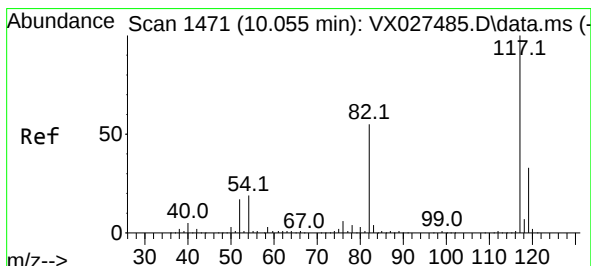
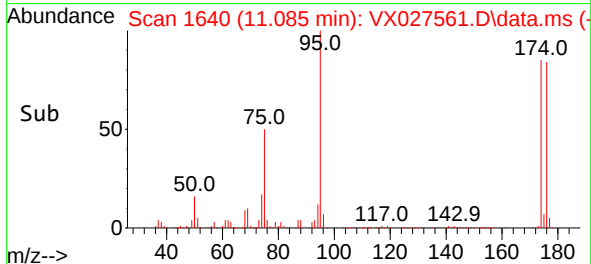
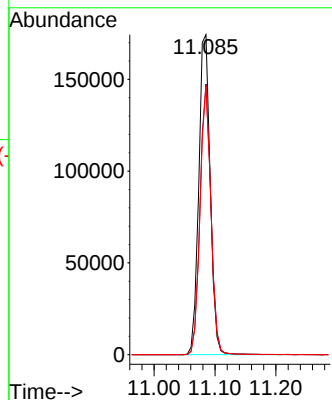
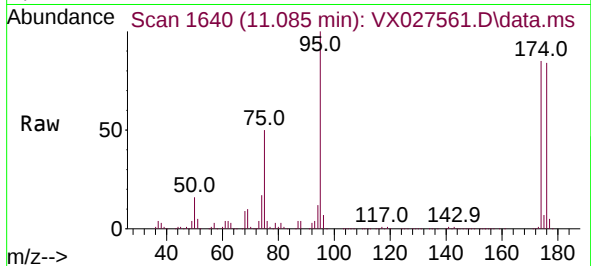




#62
4-Bromofluorobenzene
Concen: 44.157 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

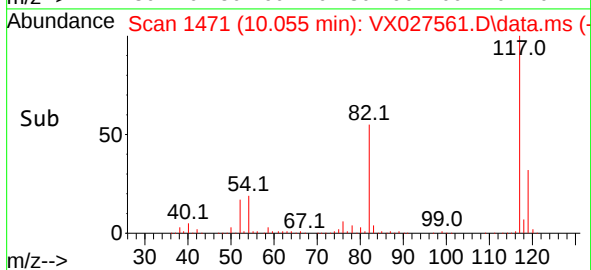
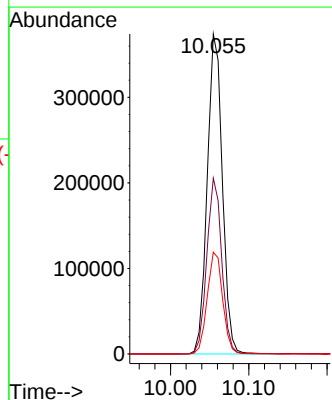
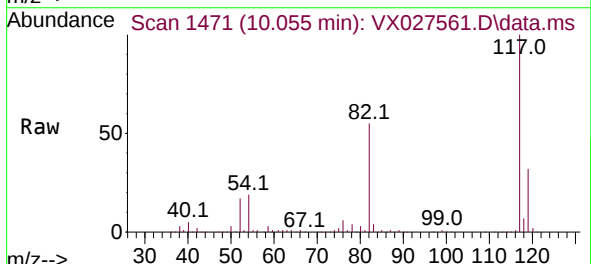
Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

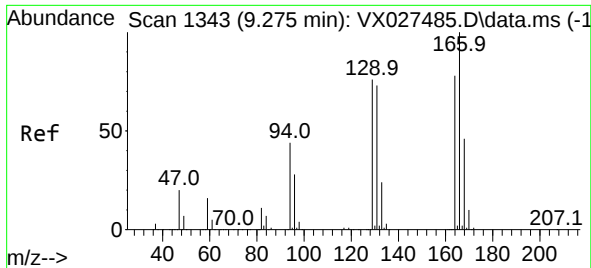
Tgt Ion: 95 Resp: 227962
Ion Ratio Lower Upper
95 100
174 80.7 0.0 163.0
176 79.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 117 Resp: 500215
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 31.8 24.8 37.2



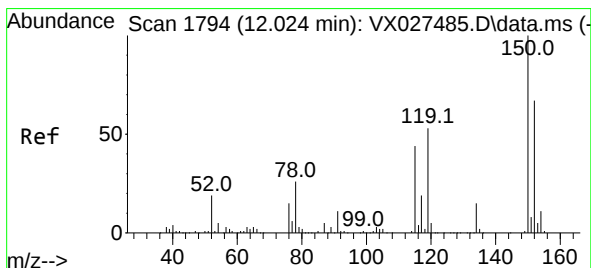
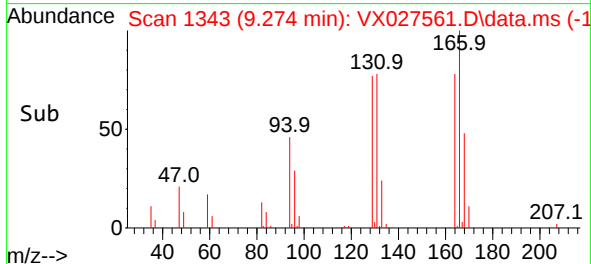
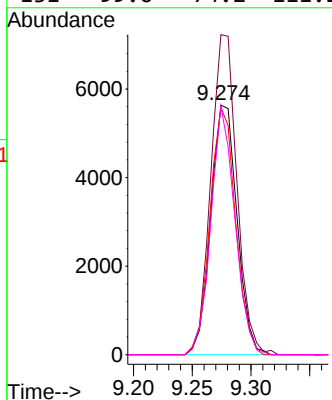
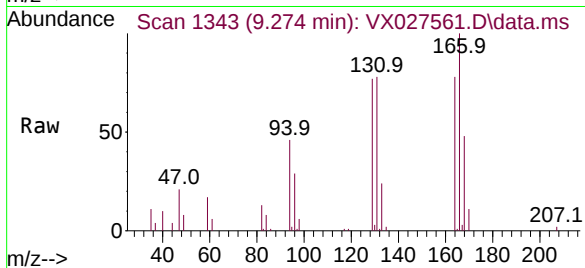


#64
Tetrachloroethene
Concen: 2.254 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

Tgt Ion:164 Resp: 8765

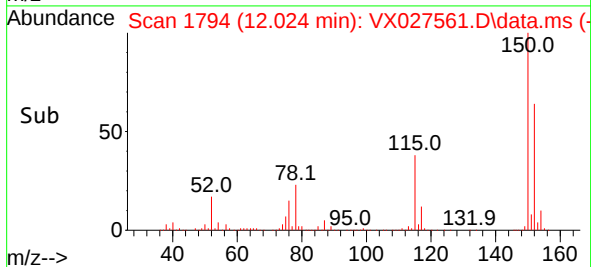
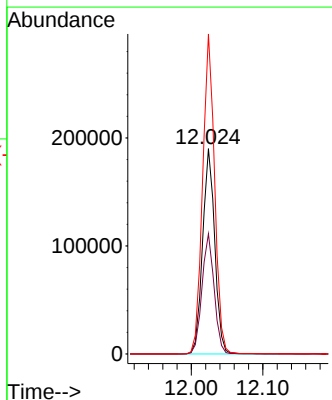
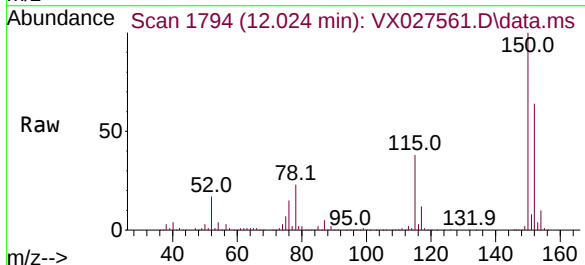
Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.2	151.8
129	99.1	73.0	109.4
131	99.6	74.2	111.2

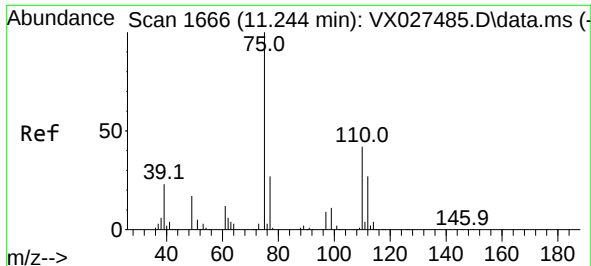


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion:152 Resp: 224117

Ion	Ratio	Lower	Upper
152	100		
115	58.8	37.5	112.7
150	154.3	0.0	338.2

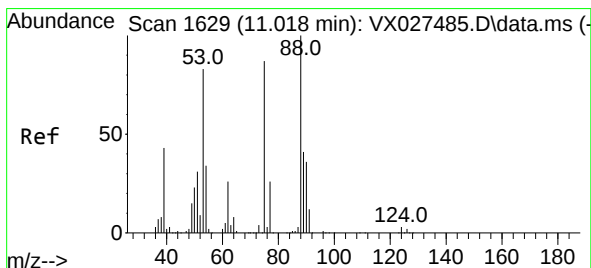
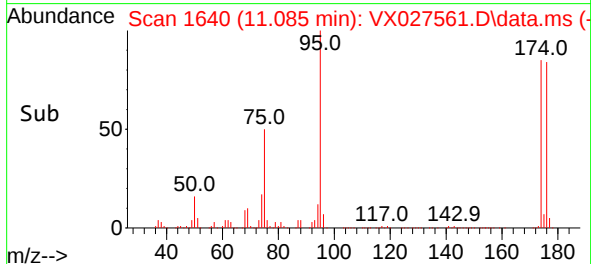
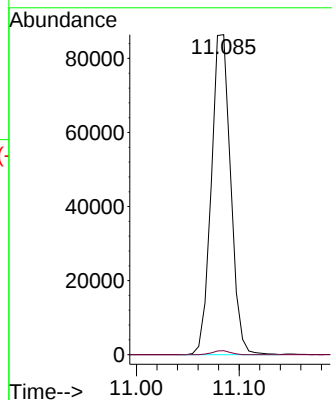
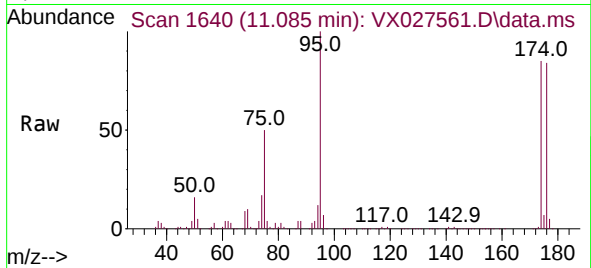




#76
1,2,3-Trichloropropane
Concen: 24.138 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Instrument :
MSVOA_X
ClientSampleId :
RE-132D7-20220315

Tgt Ion: 75 Resp: 113151
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.306 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027561.D
Acq: 19 Mar 2022 15:34

Tgt Ion: 75 Resp: 113151
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

