

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027559.D
 Acq On : 19 Mar 2022 14:47
 Operator : JC/MD
 Sample : N2000-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D5-20220315

Quant Time: Mar 21 01:22:14 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)

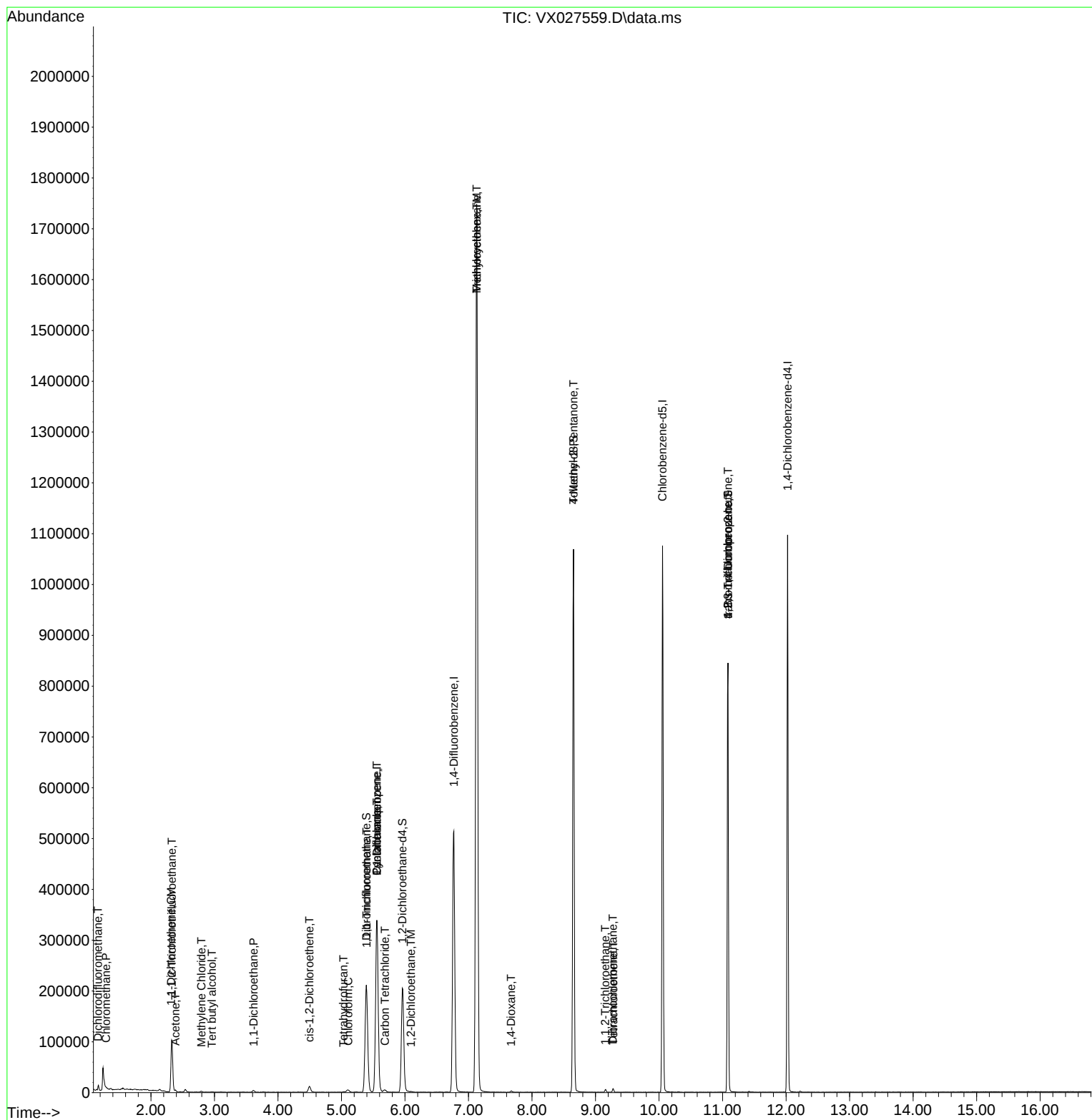
Internal Standards						
1) Pentafluorobenzene	5.556	168	334467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	561161	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	507352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	233476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202820	49.225	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.440%
35) Dibromofluoromethane	5.391	113	185615	51.411	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.820%
50) Toluene-d8	8.653	98	654929	47.937	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.880%
62) 4-Bromofluorobenzene	11.085	95	234008	46.600	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3644	1.135	ug/l	90
3) Chloromethane	1.294	50	715	0.251	ug/l	93
5) Bromomethane	1.611	94	758	Below Cal		85
9) 1,1,2-Trichlorotrifluo...	2.331	101	36667	11.328	ug/l	96
11) Tert butyl alcohol	2.959	59	535	0.681	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	7251	2.335	ug/l	96
16) Acetone	2.386	43	3062	1.823	ug/l	92
20) Methylene Chloride	2.794	84	915	0.253	ug/l	90
24) 1,1-Dichloroethane	3.617	63	3772	0.653	ug/l #	94
27) cis-1,2-Dichloroethene	4.495	96	7491	1.950	ug/l	89
29) Tetrahydrofuran	5.032	42	576	0.355	ug/l #	36
30) Chloroform	5.105	83	6266	0.984	ug/l	84
31) Cyclohexane	5.556	56	5900	1.153	ug/l #	1
32) 1,1,1-Trichloroethane	5.397	97	1780	0.307	ug/l #	46
36) 1,1-Dichloropropene	5.556	75	24210	4.907	ug/l #	49
38) Carbon Tetrachloride	5.684	117	4129	0.732	ug/l	88
39) Methylcyclohexane	7.129	83	7294	1.176	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1125	0.212	ug/l #	73
44) Trichloroethene	7.129	130	709901	165.211	ug/l	99
49) 1,4-Dioxane	7.671	88	1967	19.558	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	2334	0.462	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1634	0.423	ug/l	90
60) Dibromochloromethane	9.275	129	1214	0.286	ug/l #	9
64) Tetrachloroethene	9.281	164	1410	0.357	ug/l #	83
76) 1,2,3-Trichloropropane	11.085	75	110852	22.699	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	110852	68.938	ug/l #	15

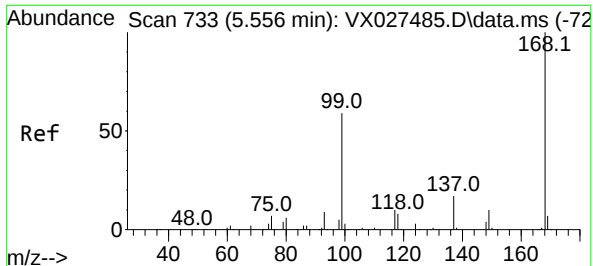
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
Data File : VX027559.D
Acq On : 19 Mar 2022 14:47
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Instrument :
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ClientSampleId :
RE-132D5-20220315

Quant Time: Mar 21 01:22:14 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

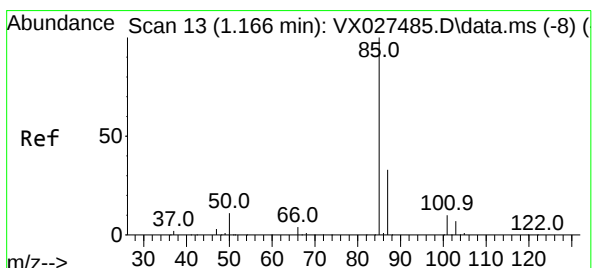
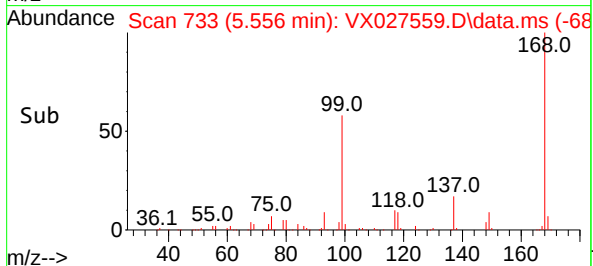
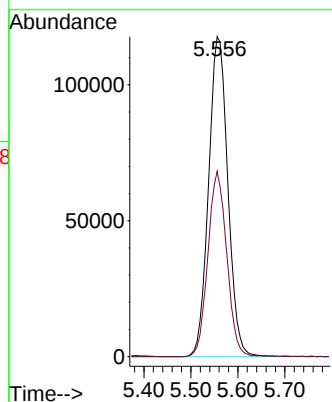
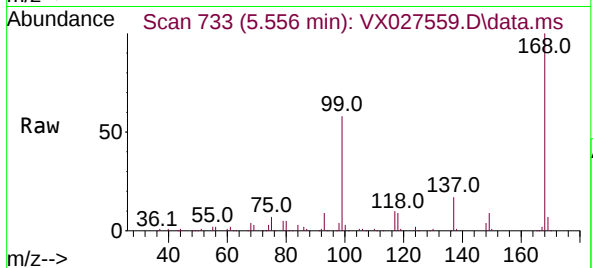




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

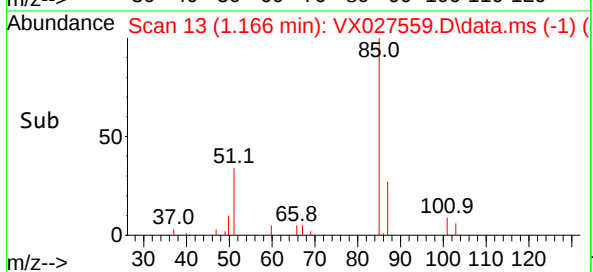
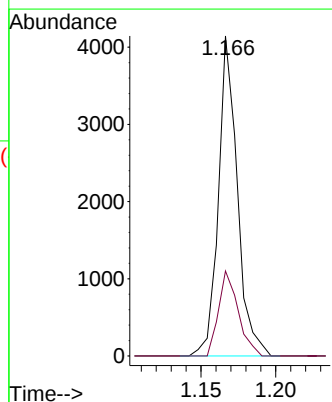
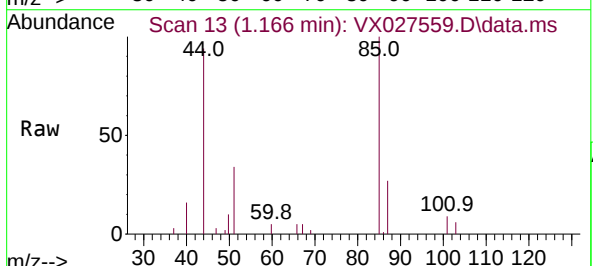
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

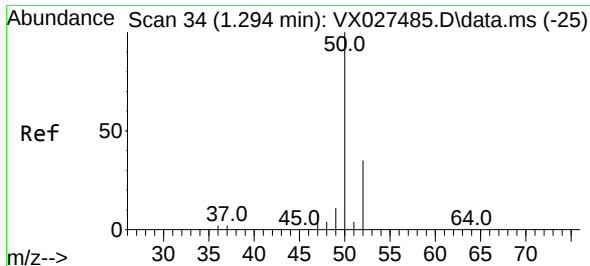
Tgt Ion:168 Resp: 334467
Ion Ratio Lower Upper
168 100
99 58.0 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 1.135 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion: 85 Resp: 3644
Ion Ratio Lower Upper
85 100
87 26.6 16.2 48.6

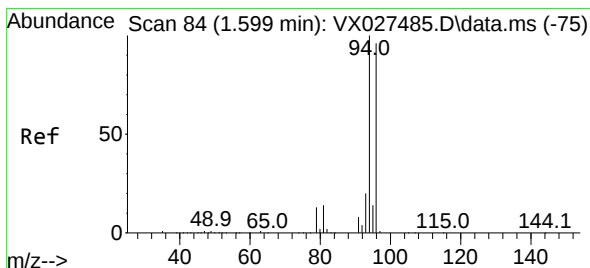
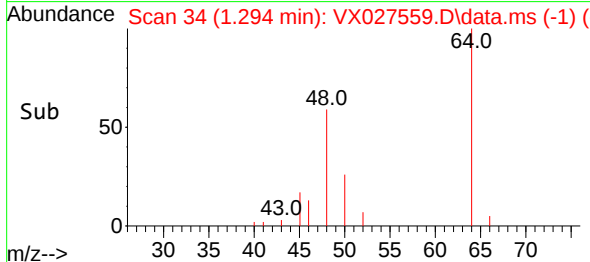
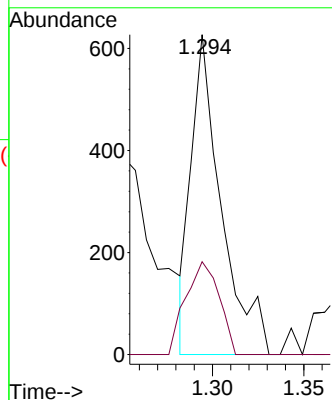
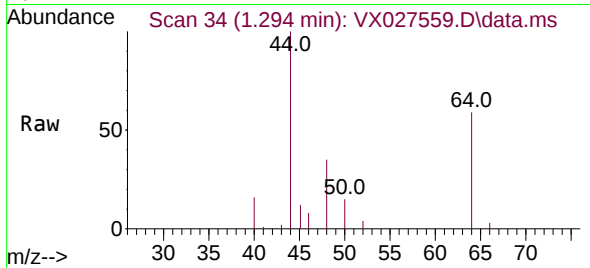




#3
Chloromethane
Concen: 0.251 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

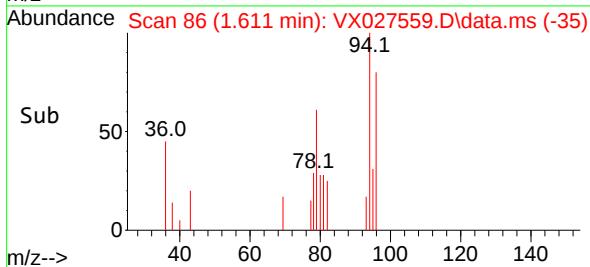
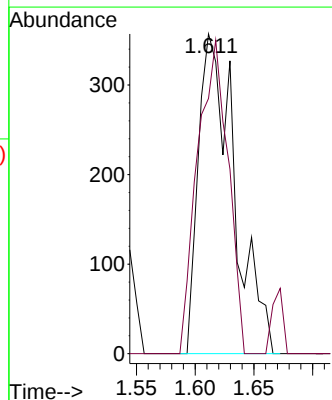
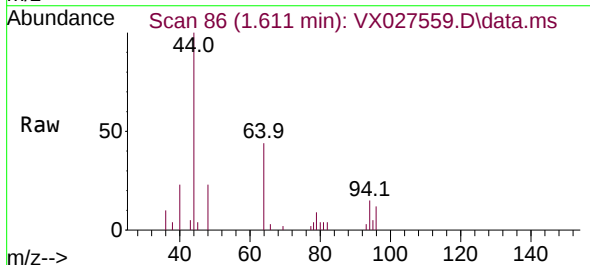
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

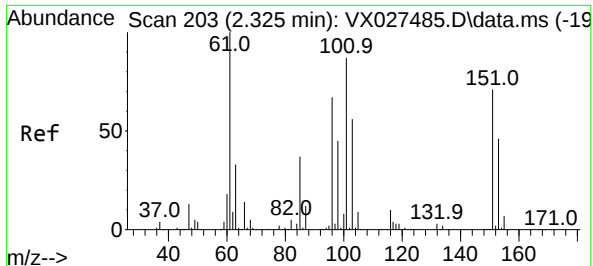
Tgt Ion: 50 Resp: 715
Ion Ratio Lower Upper
50 100
52 29.0 26.4 39.6



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion: 94 Resp: 758
Ion Ratio Lower Upper
94 100
96 79.8 75.3 112.9

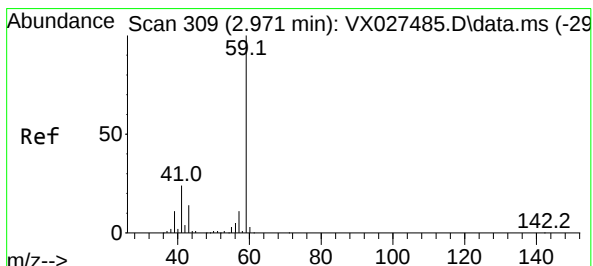
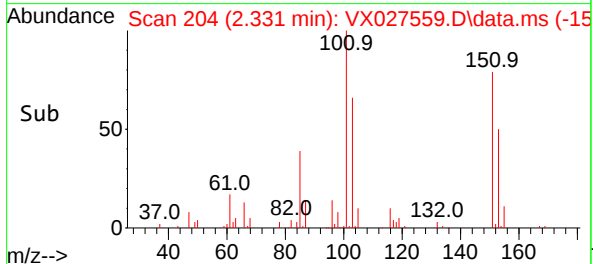
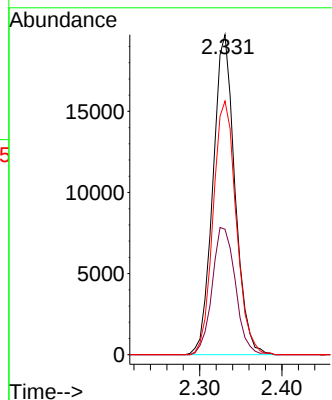
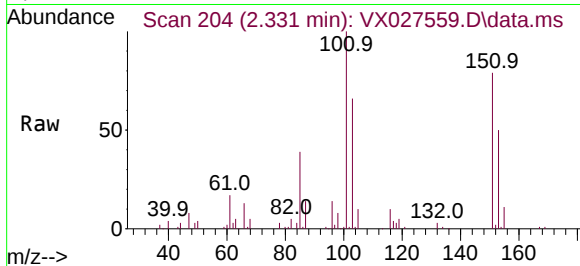




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.328 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

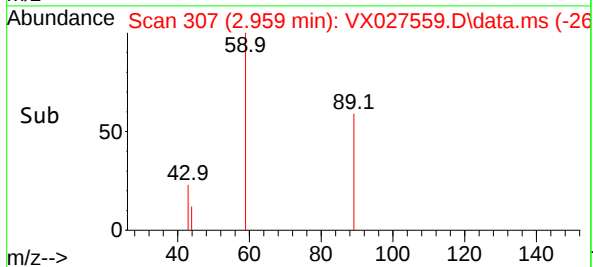
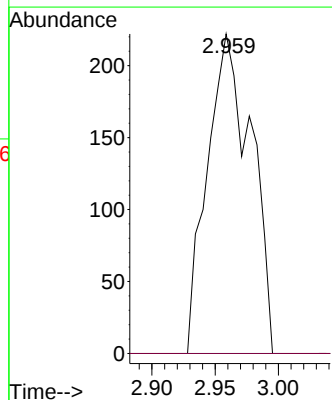
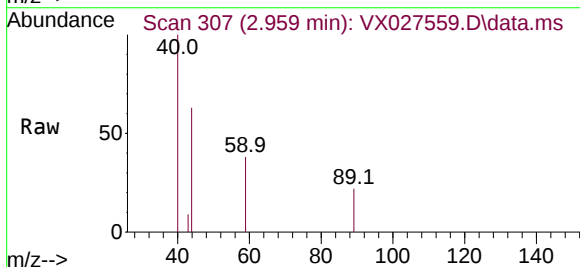
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

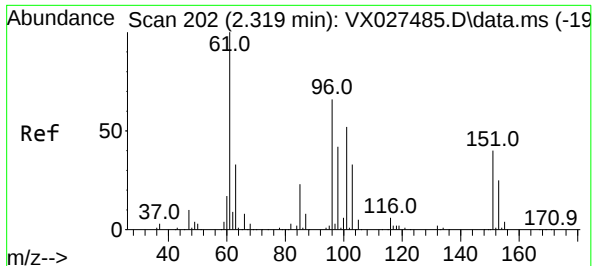
Tgt Ion:101 Resp: 36667
Ion Ratio Lower Upper
101 100
85 42.0 33.5 50.3
151 83.0 61.8 92.6



#11
Tert butyl alcohol
Concen: 0.681 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion: 59 Resp: 535
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 2.335 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX027559.D

Acq: 19 Mar 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

RE-132D5-20220315

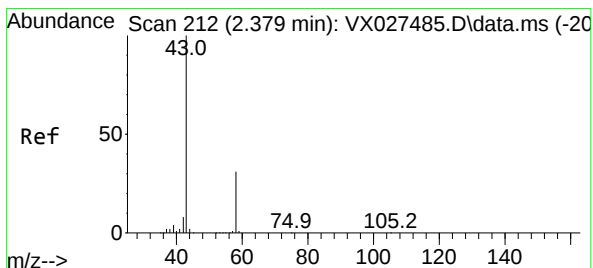
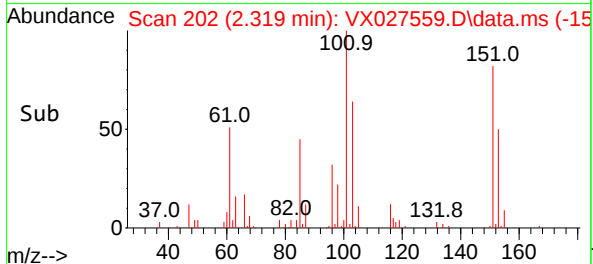
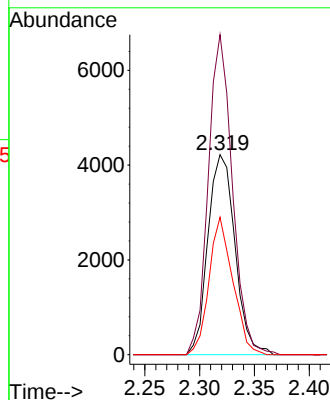
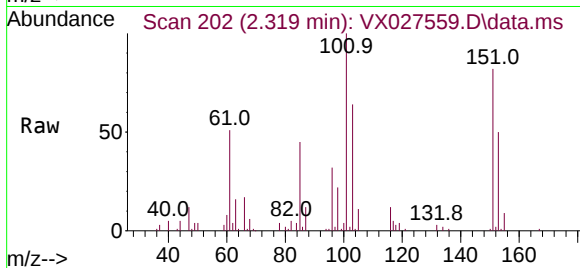
Tgt Ion: 96 Resp: 7251

Ion Ratio Lower Upper

96 100

61 160.1 124.6 187.0

98 68.8 51.0 76.4



#16

Acetone

Concen: 1.823 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027559.D

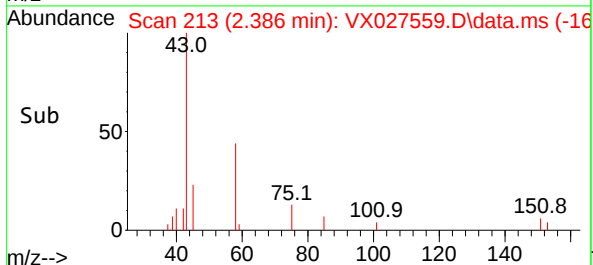
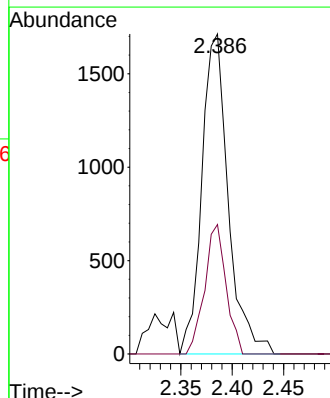
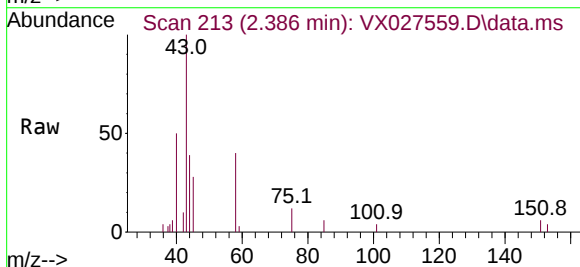
Acq: 19 Mar 2022 14:47

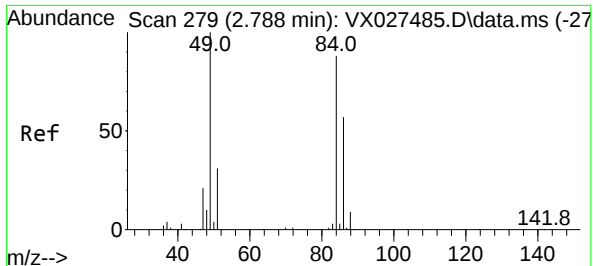
Tgt Ion: 43 Resp: 3062

Ion Ratio Lower Upper

43 100

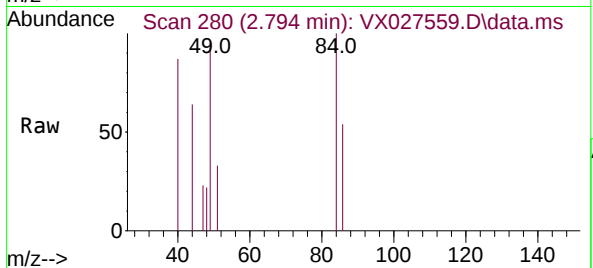
58 40.5 28.8 43.2



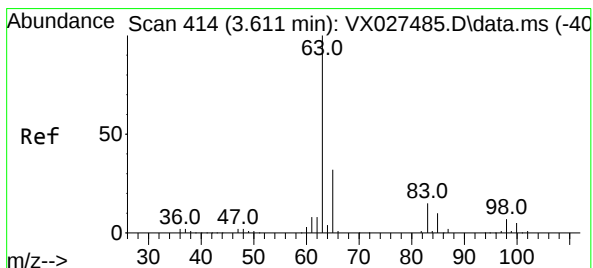
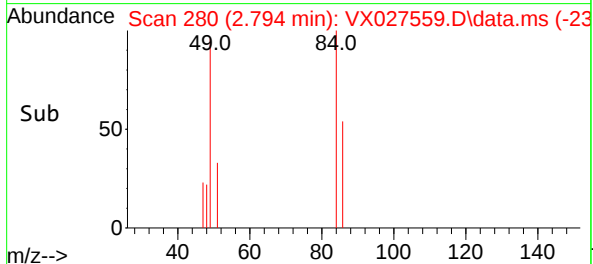
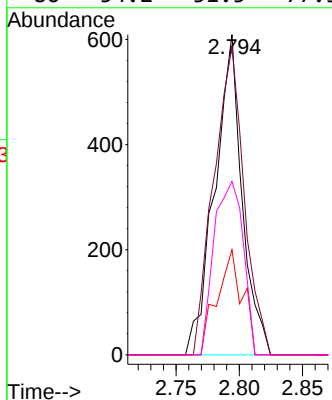


#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

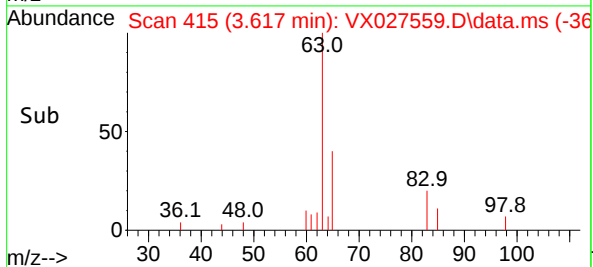
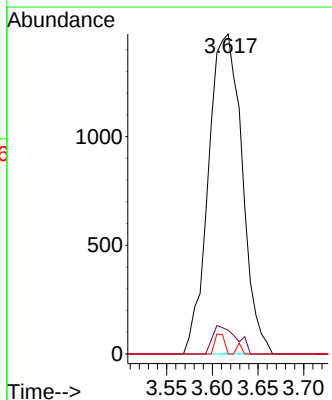
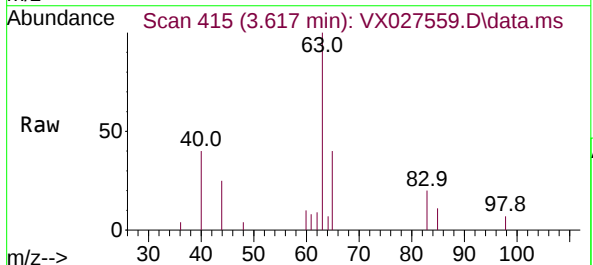


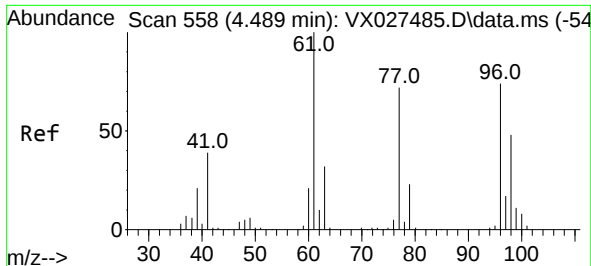
Tgt Ion:	84	Resp:	915
Ion	Ratio	Lower	Upper
84	100		
49	96.2	85.5	128.3
51	32.8	26.6	39.8
86	54.2	51.5	77.3



#24
1,1-Dichloroethane
Concen: 0.653 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion:	63	Resp:	3772
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.9	11.7
100	0.0	2.4	7.2





#27

cis-1,2-Dichloroethene

Concen: 1.950 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX027559.D

Acq: 19 Mar 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

RE-132D5-20220315

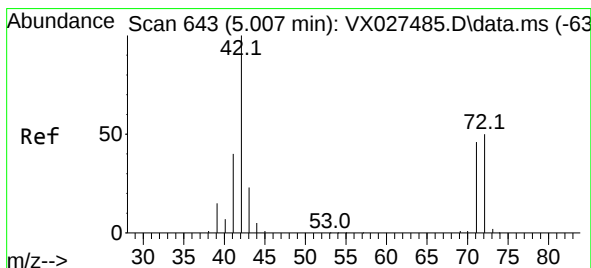
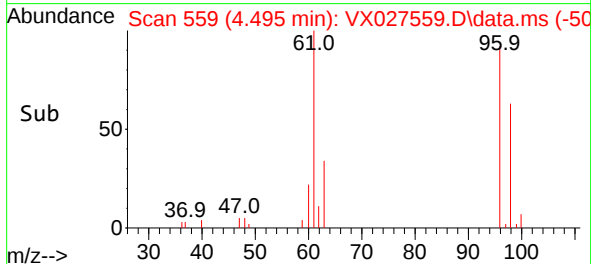
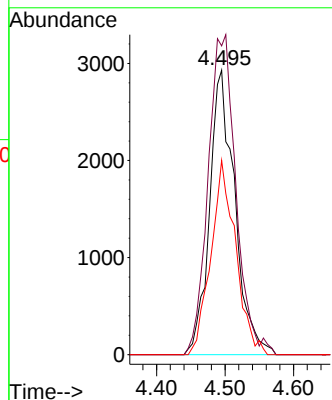
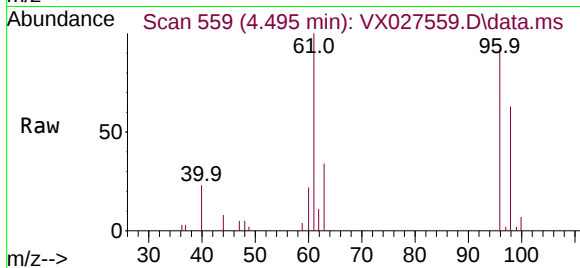
Tgt Ion: 96 Resp: 7491

Ion Ratio Lower Upper

96 100

61 124.3 0.0 283.8

98 67.1 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.355 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX027559.D

Acq: 19 Mar 2022 14:47

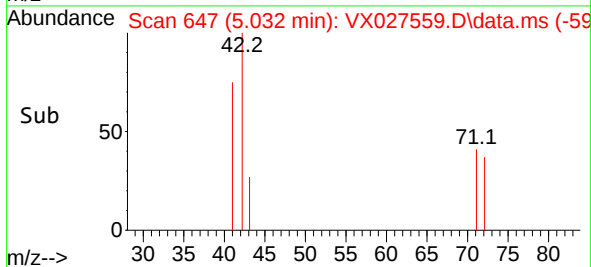
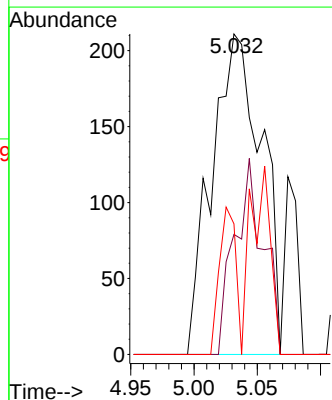
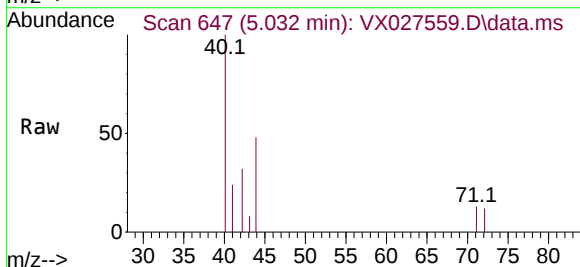
Tgt Ion: 42 Resp: 576

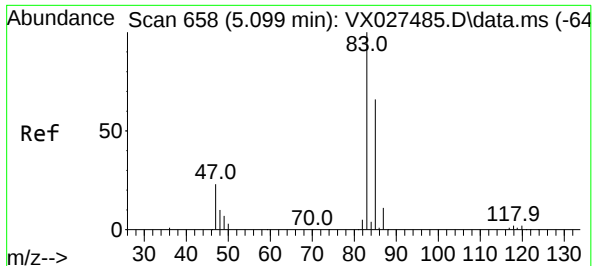
Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 15.1 40.5 60.7#





#30

Chloroform

Concen: 0.984 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX027559.D

Acq: 19 Mar 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

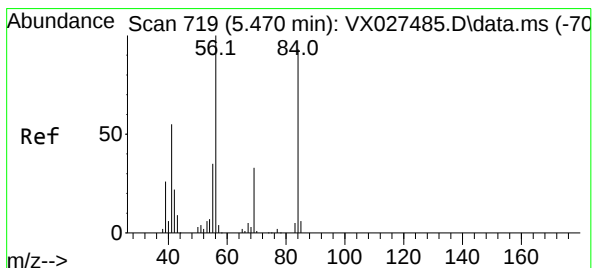
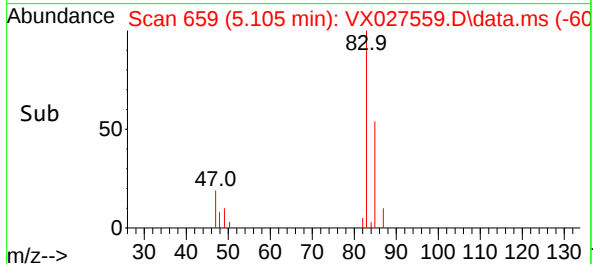
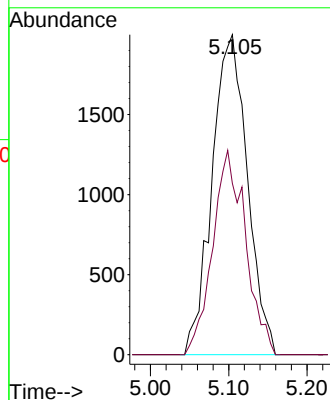
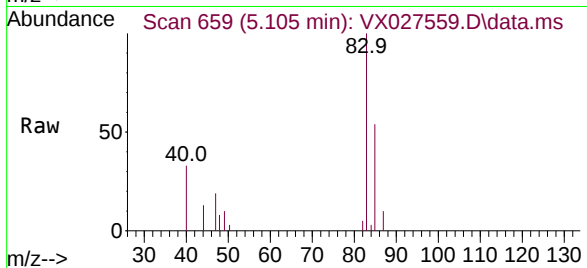
RE-132D5-20220315

Tgt Ion: 83 Resp: 6266

Ion Ratio Lower Upper

83 100

85 53.5 52.7 79.1



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027559.D

Acq: 19 Mar 2022 14:47

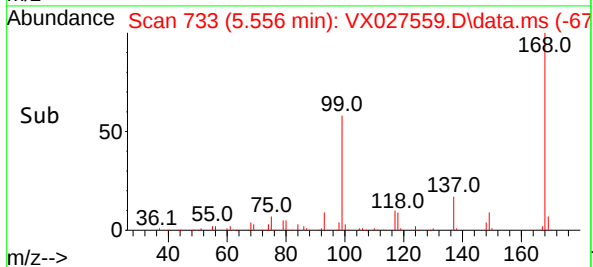
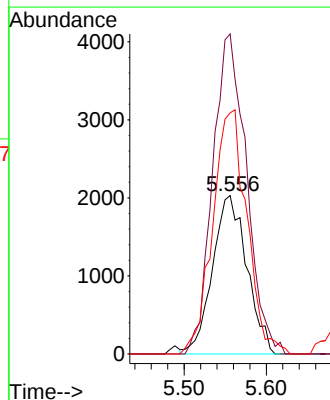
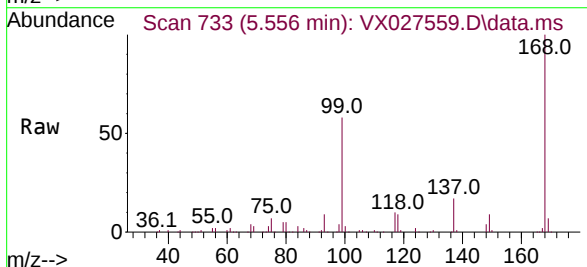
Tgt Ion: 56 Resp: 5900

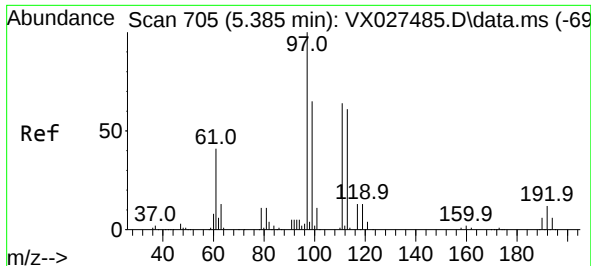
Ion Ratio Lower Upper

56 100

69 202.0 26.7 40.1#

84 152.2 77.2 115.8#

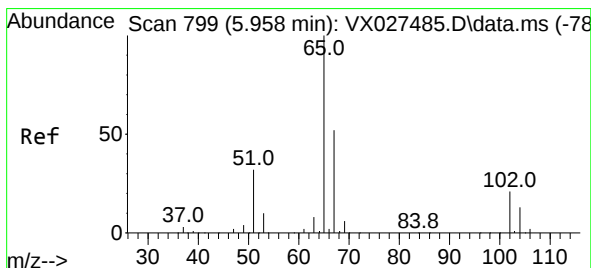
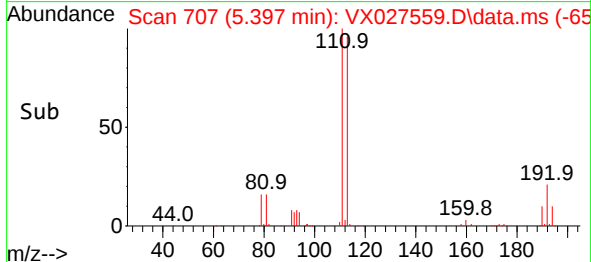
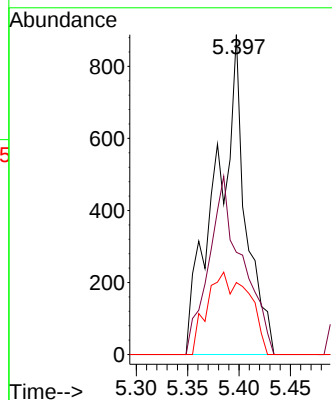
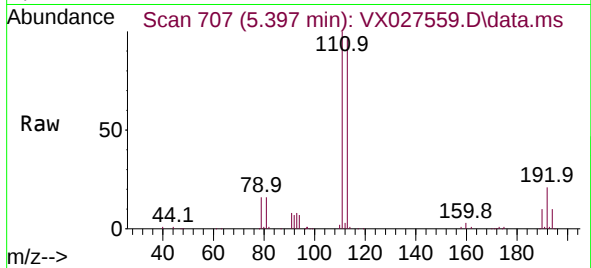




#32
1,1,1-Trichloroethane
Concen: 0.307 ug/l
RT: 5.397 min Scan# 705
Delta R.T. 0.012 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

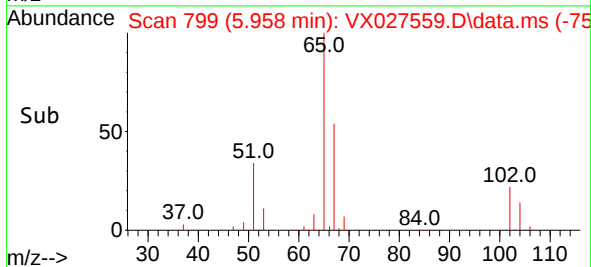
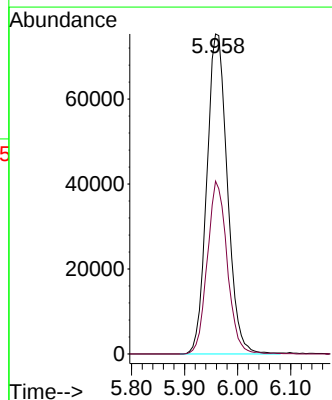
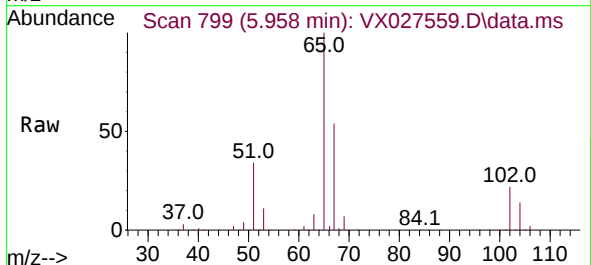
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

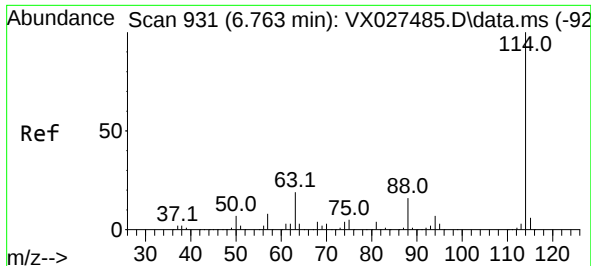
Tgt Ion: 97 Resp: 1780
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 36.1 34.0 51.0



#33
1,2-Dichloroethane-d4
Concen: 49.225 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion: 65 Resp: 202820
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

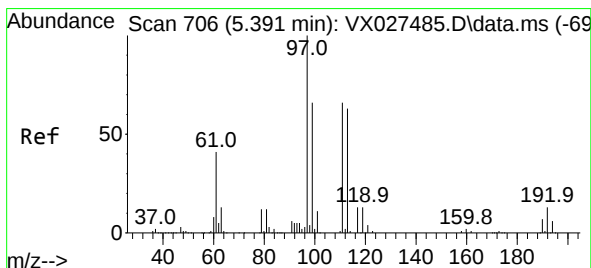
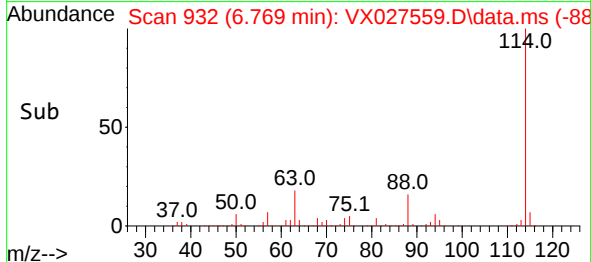
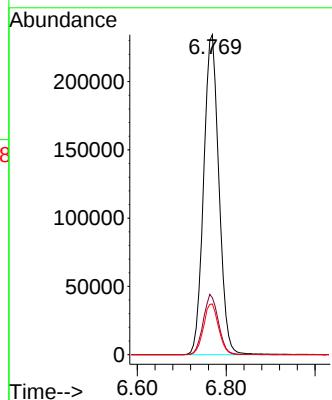
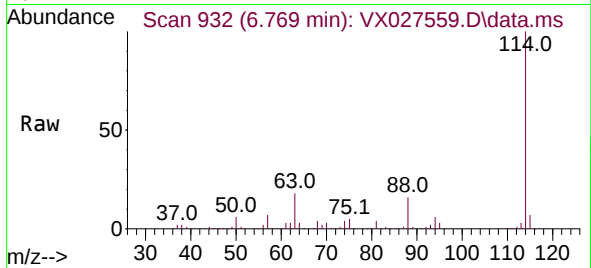




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

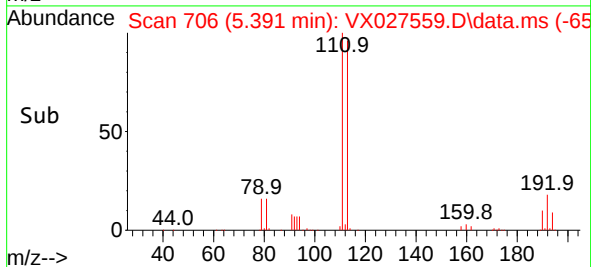
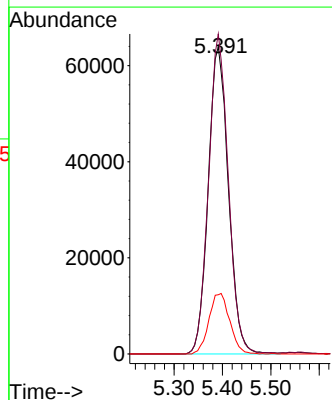
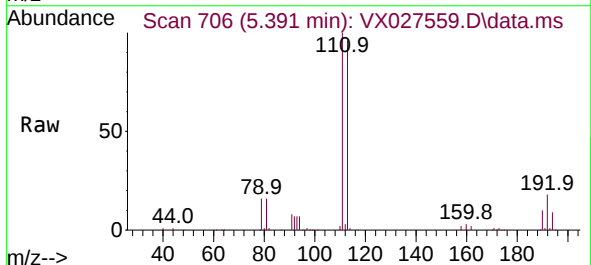
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

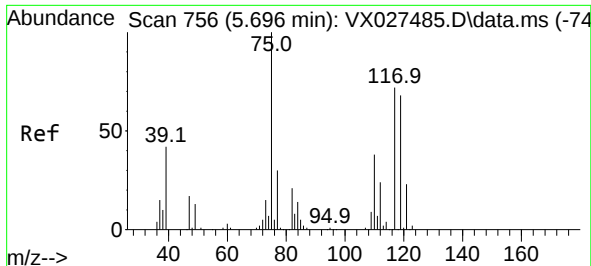
Tgt Ion:114 Resp: 561161
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.411 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion:113 Resp: 185615
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 20.2 16.9 25.3

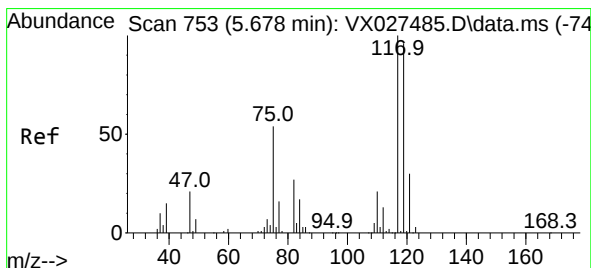
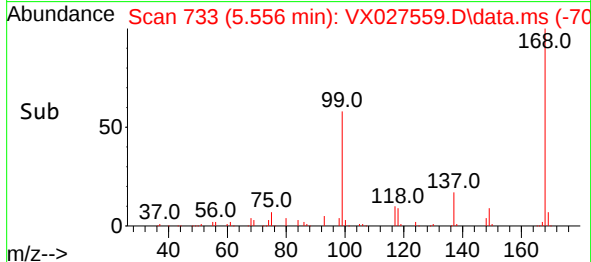
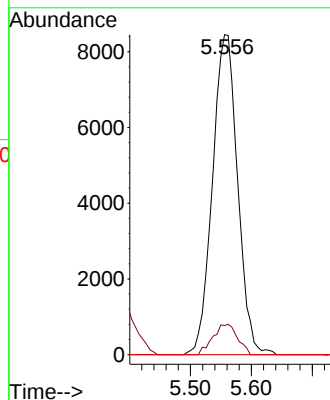
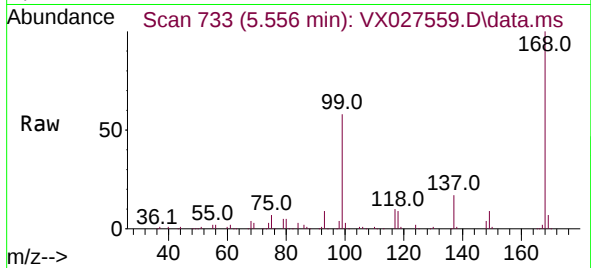




#36
1,1-Dichloropropene
Concen: 4.907 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

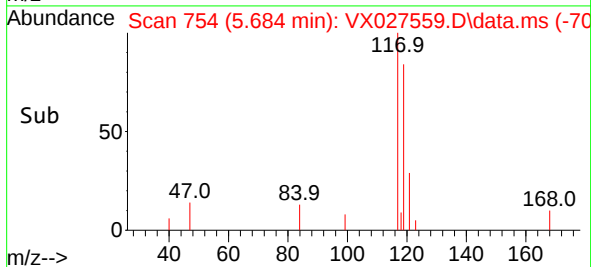
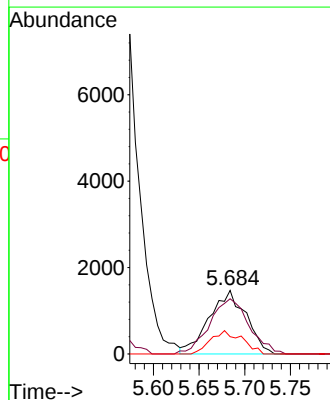
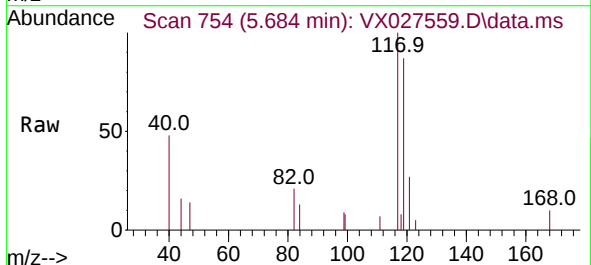
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

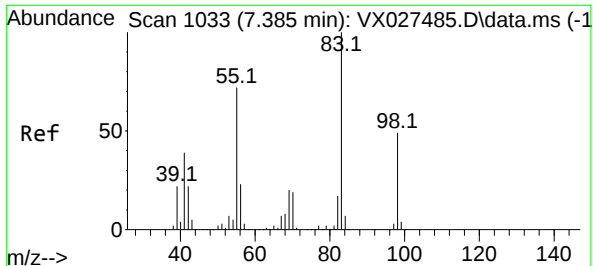
Tgt Ion: 75 Resp: 24210
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 0.732 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion: 117 Resp: 4129
Ion Ratio Lower Upper
117 100
119 82.7 77.3 115.9
121 27.3 24.2 36.2





#39

Methylcyclohexane

Concen: 1.176 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX027559.D

Acq: 19 Mar 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

RE-132D5-20220315

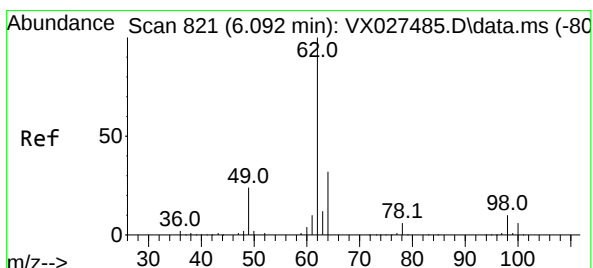
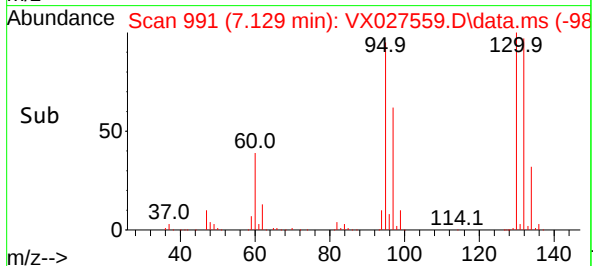
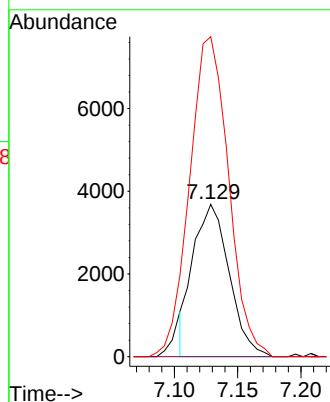
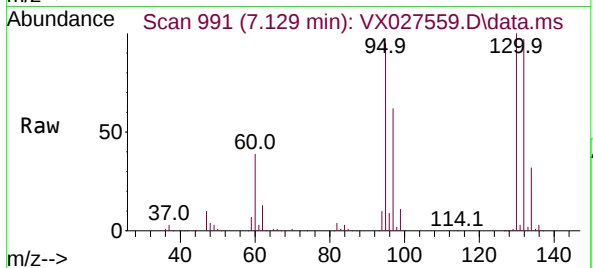
Tgt Ion: 83 Resp: 7294

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 210.0 37.4 56.2#



#42

1,2-Dichloroethane

Concen: 0.212 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

Lab File: VX027559.D

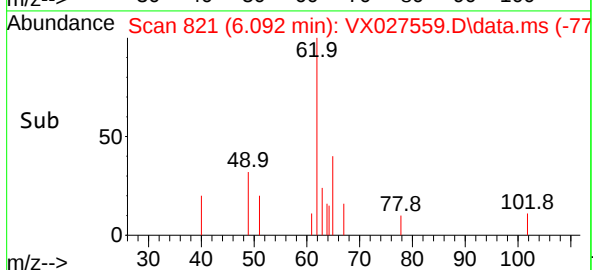
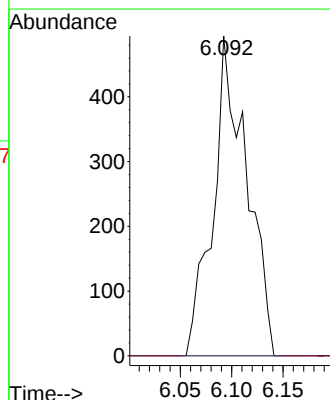
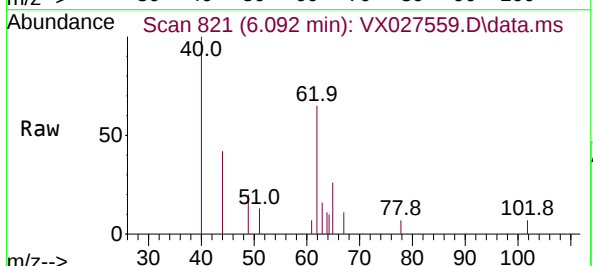
Acq: 19 Mar 2022 14:47

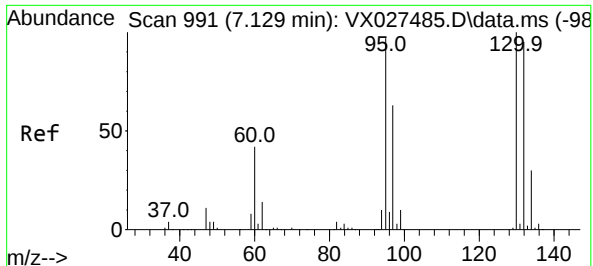
Tgt Ion: 62 Resp: 1125

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

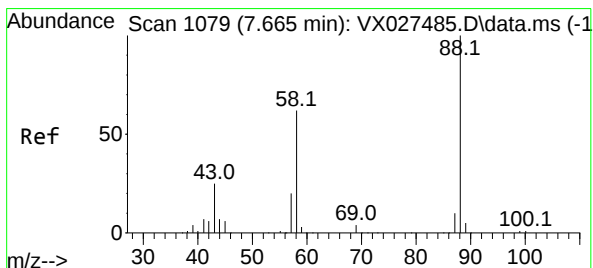
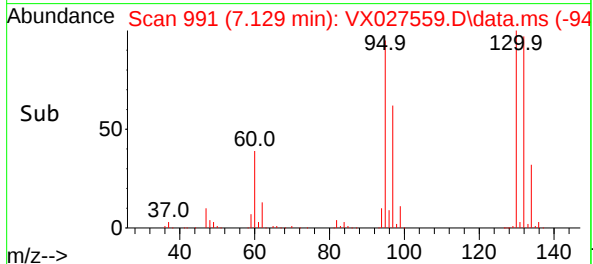
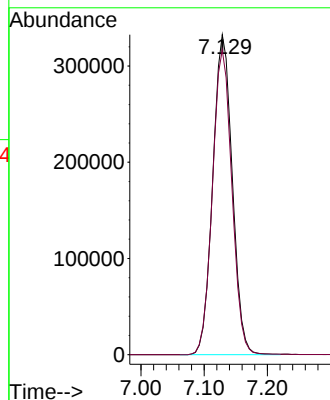
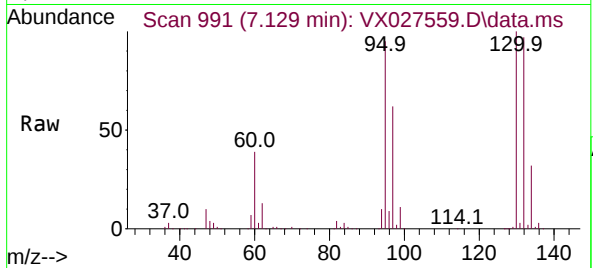




#44
Trichloroethene
Concen: 165.211 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

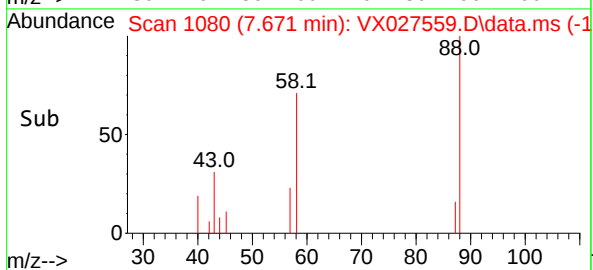
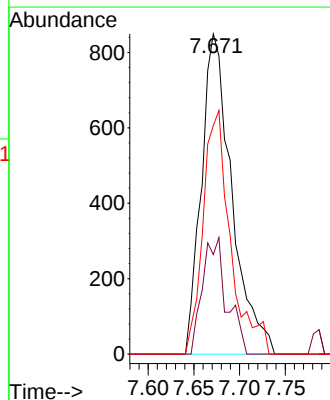
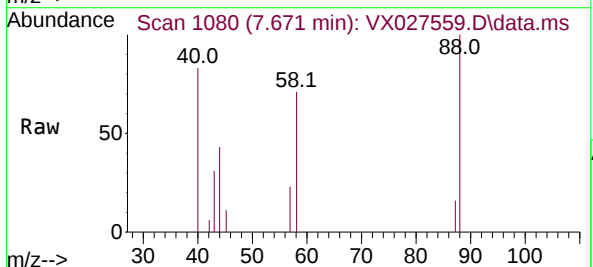
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

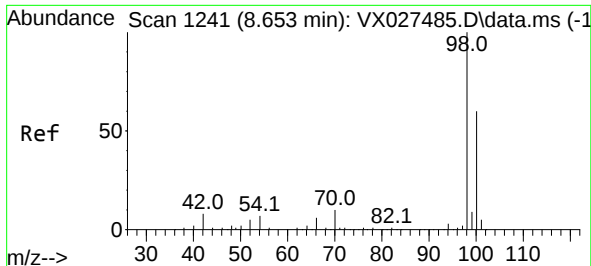
Tgt Ion:130 Resp: 709901
Ion Ratio Lower Upper
130 100
95 95.2 0.0 188.8



#49
1,4-Dioxane
Concen: 19.558 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion: 88 Resp: 1967
Ion Ratio Lower Upper
88 100
43 29.0 21.9 32.9
58 68.5 53.7 80.5

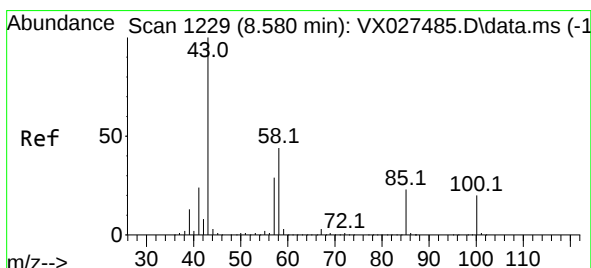
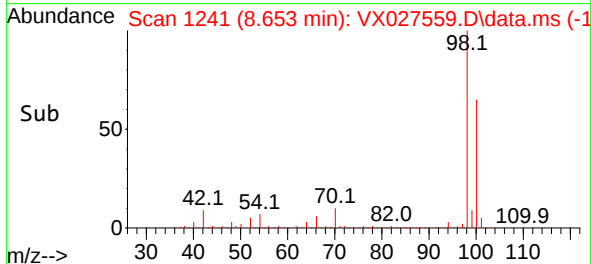
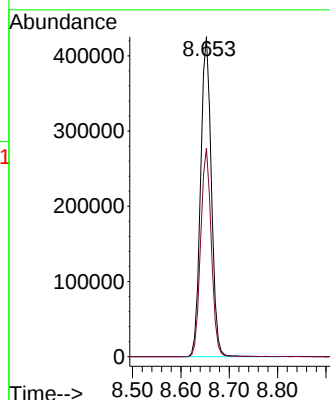
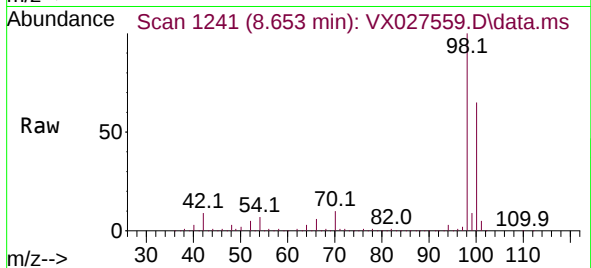




#50
Toluene-d8
Concen: 47.937 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

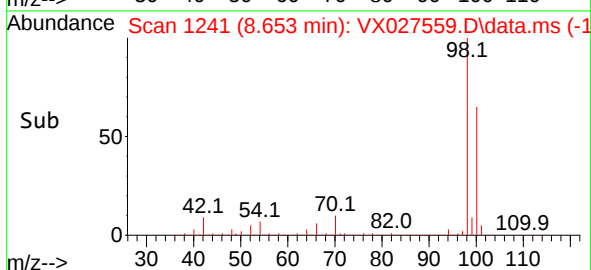
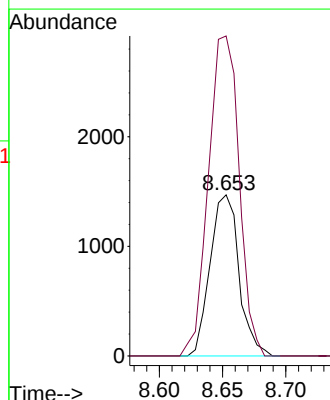
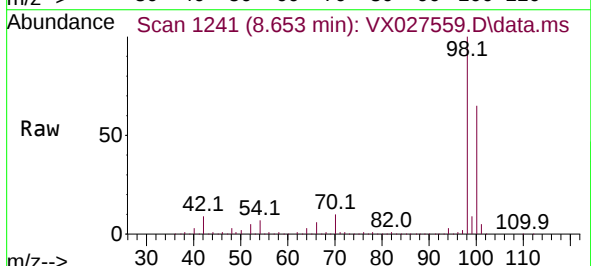
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

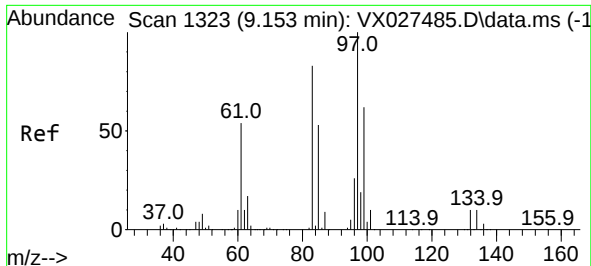
Tgt Ion: 98 Resp: 654929
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion: 43 Resp: 2334
Ion Ratio Lower Upper
43 100
58 211.0 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.423 ug/l

RT: 9.153 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027559.D

Acq: 19 Mar 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

RE-132D5-20220315

Tgt Ion: 97 Resp: 1634

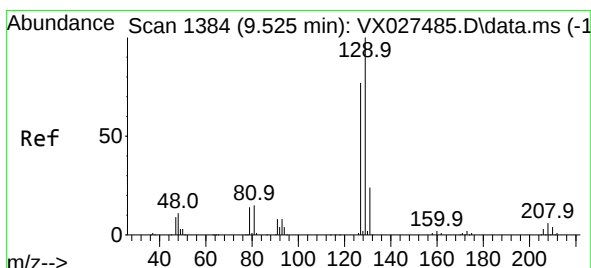
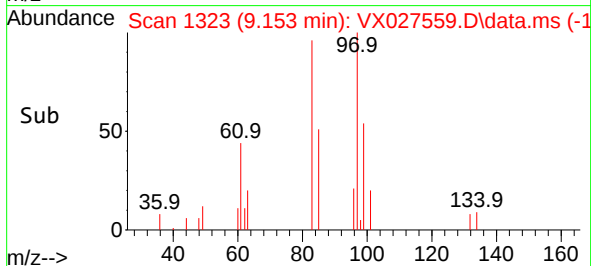
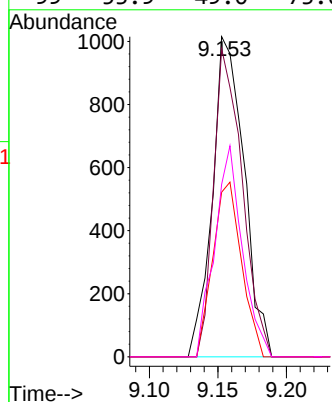
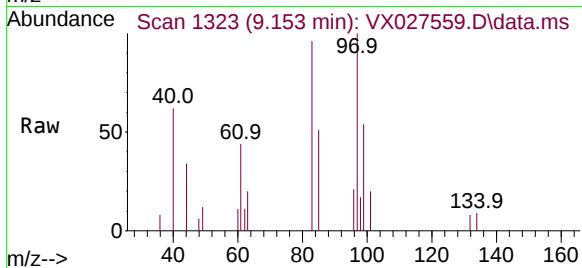
Ion Ratio Lower Upper

97 100

83 96.3 66.2 99.4

85 51.4 42.9 64.3

99 53.9 49.0 73.6



#60

Dibromochloromethane

Concen: 0.286 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX027559.D

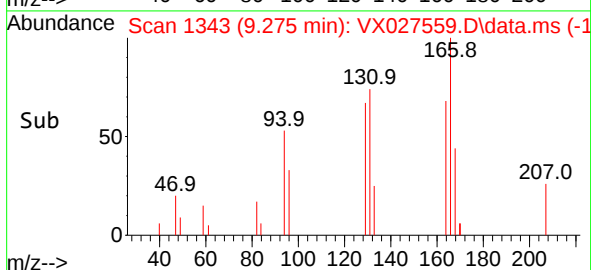
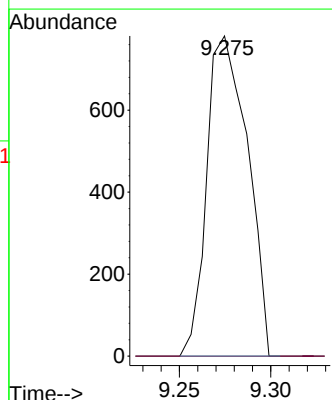
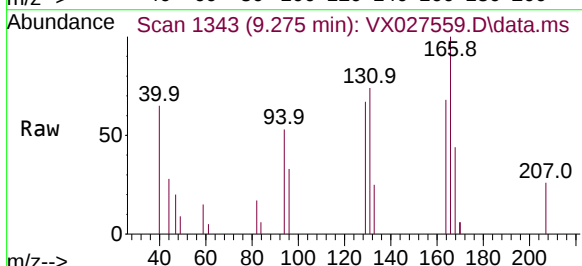
Acq: 19 Mar 2022 14:47

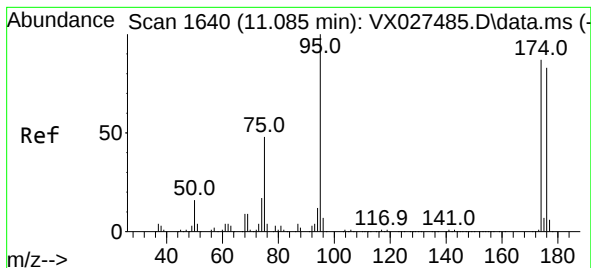
Tgt Ion: 129 Resp: 1214

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#





#62

4-Bromofluorobenzene

Concen: 46.600 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027559.D

Acq: 19 Mar 2022 14:47

Instrument :

MSVOA_X

ClientSampleId :

RE-132D5-20220315

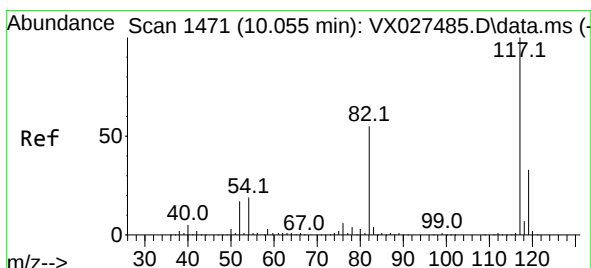
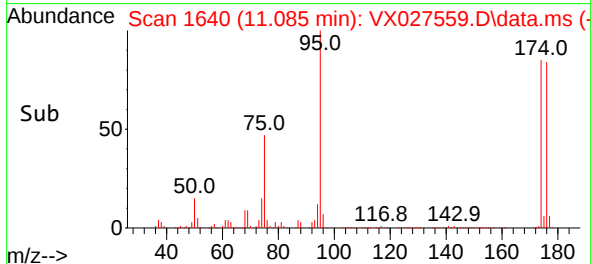
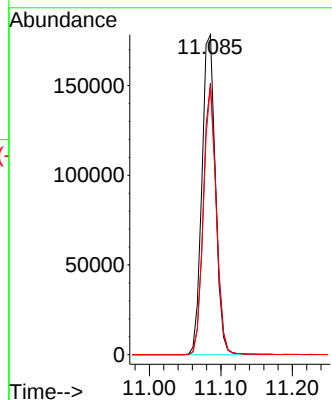
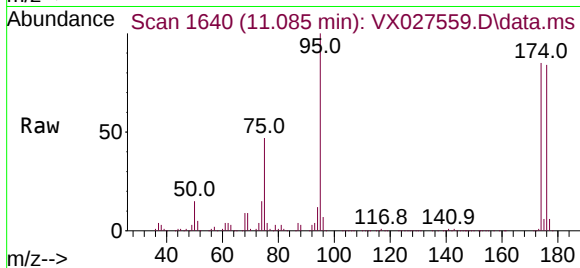
Tgt Ion: 95 Resp: 234008

Ion Ratio Lower Upper

95 100

174 81.8 0.0 163.0

176 79.5 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: VX027559.D

Acq: 19 Mar 2022 14:47

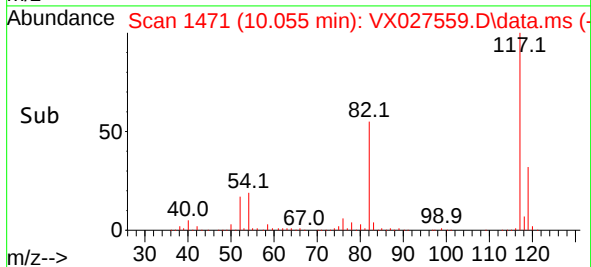
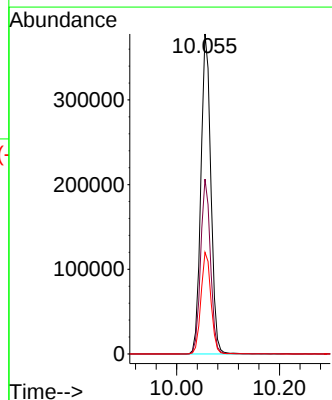
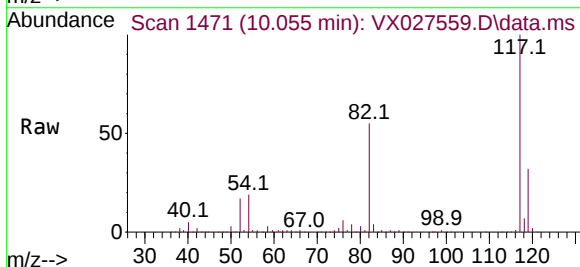
Tgt Ion: 117 Resp: 507352

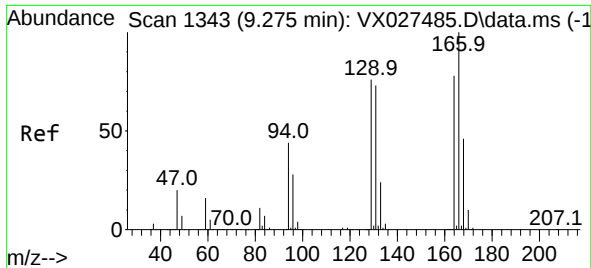
Ion Ratio Lower Upper

117 100

82 54.6 41.8 62.8

119 31.8 24.8 37.2

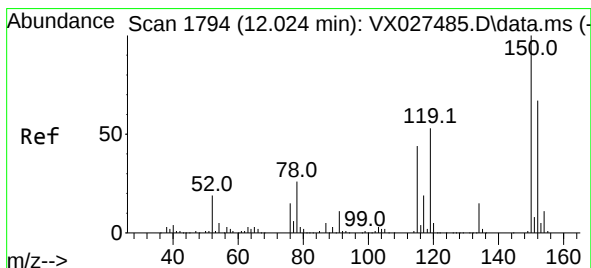
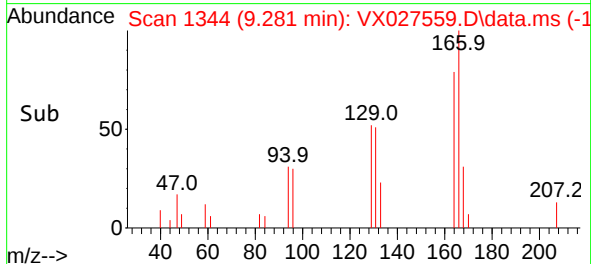
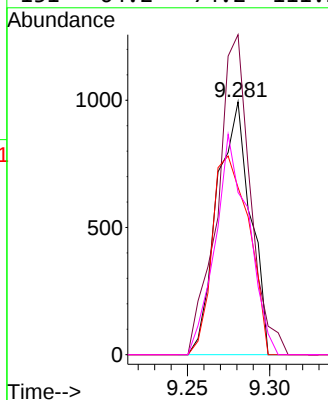
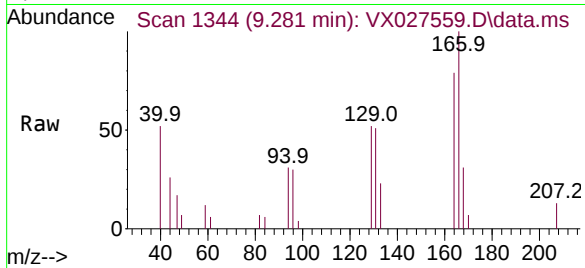




#64
Tetrachloroethene
Concen: 0.357 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

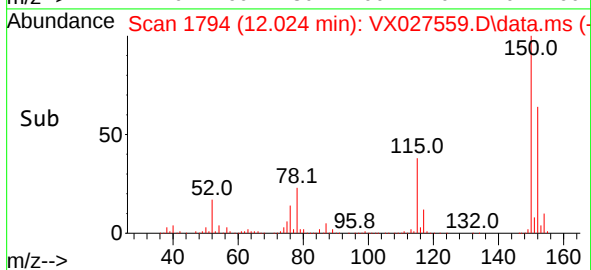
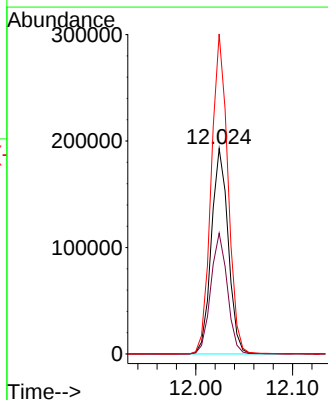
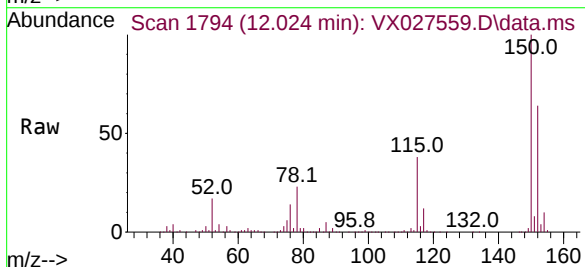
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

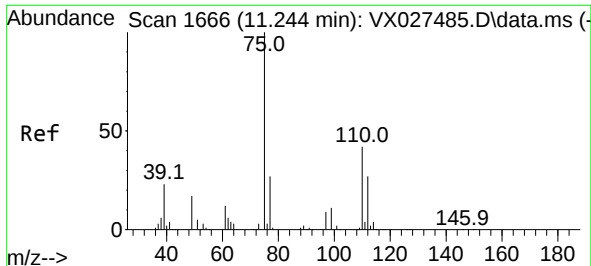
Tgt Ion:164 Resp: 1410
Ion Ratio Lower Upper
164 100
166 126.6 101.2 151.8
129 66.1 73.0 109.4#
131 64.2 74.2 111.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion:152 Resp: 233476
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 154.6 0.0 338.2

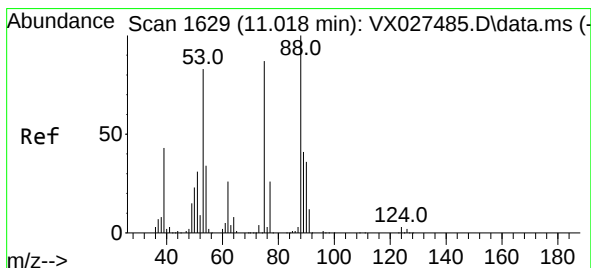
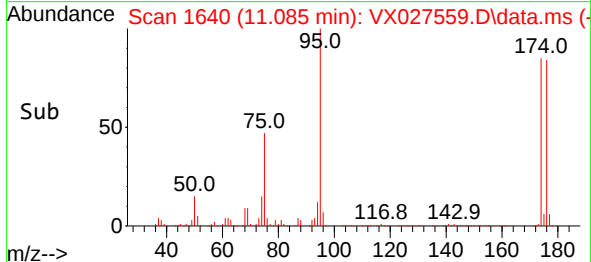
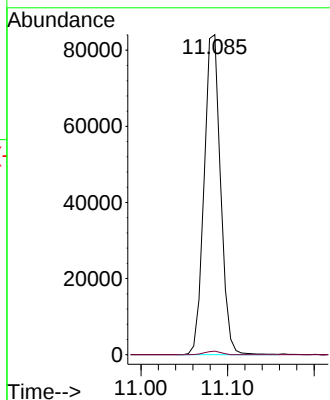
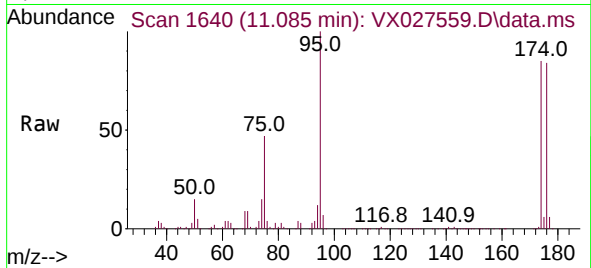




#76
1,2,3-Trichloropropane
Concen: 22.699 ug/l
RT: 11.085 min Scan# 110852
Delta R.T. -0.158 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315

Tgt Ion: 75 Resp: 110852
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.938 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027559.D
Acq: 19 Mar 2022 14:47

Tgt Ion: 75 Resp: 110852
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

