

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027570.D
 Acq On : 19 Mar 2022 19:07
 Operator : JC/MD
 Sample : N2000-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-105D2-20220316

Quant Time: Mar 21 01:25:44 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)

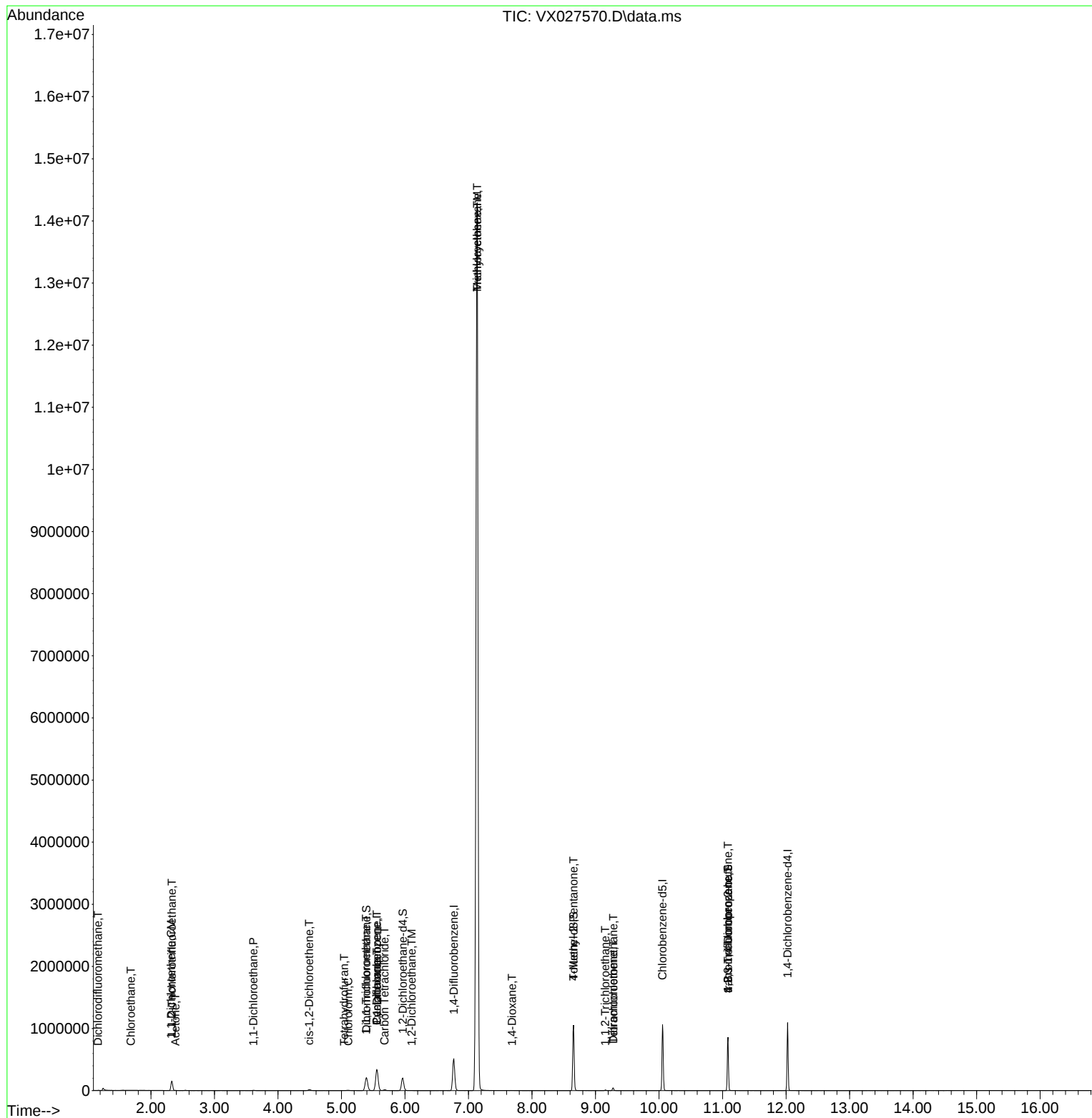
Internal Standards						
1) Pentafluorobenzene	5.556	168	333379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	550778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	504482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	230724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	197283	48.037	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.080%
35) Dibromofluoromethane	5.391	113	182571	51.521	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.040%
50) Toluene-d8	8.652	98	652796	48.682	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.360%
62) 4-Bromofluorobenzene	11.085	95	229796	46.624	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.240%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1238	0.387	ug/l	88
5) Bromomethane	1.617	94	358	Below Cal	#	80
6) Chloroethane	1.684	64	795	0.395	ug/l #	57
9) 1,1,2-Trichlorotrifluo...	2.330	101	50314	15.594	ug/l	94
12) 1,1-Dichloroethene	2.318	96	14579	4.710	ug/l	87
16) Acetone	2.385	43	3623	2.164	ug/l	97
24) 1,1-Dichloroethane	3.611	63	6867	1.193	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	11726	3.062	ug/l	87
29) Tetrahydrofuran	5.043	42	1085	0.672	ug/l #	52
30) Chloroform	5.104	83	7563	1.192	ug/l	91
31) Cyclohexane	5.556	56	5741	1.126	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	1633	0.283	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	23026	4.755	ug/l #	49
38) Carbon Tetrachloride	5.677	117	12664	2.286	ug/l	90
39) Methylcyclohexane	7.134	83	64724	10.629	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	1472	0.283	ug/l	76
44) Trichloroethene	7.134	130	5909793	1401.282	ug/l	100
49) 1,4-Dioxane	7.683	88	1707	17.293	ug/l	96
51) 4-Methyl-2-Pentanone	8.652	43	2352	0.474	ug/l #	1
55) 1,1,2-Trichloroethane	9.152	97	2924	0.771	ug/l	95
60) Dibromochloromethane	9.280	129	8758	2.099	ug/l #	9
64) Tetrachloroethene	9.280	164	8900	2.269	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	109696	22.730	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	109696	69.033	ug/l #	15

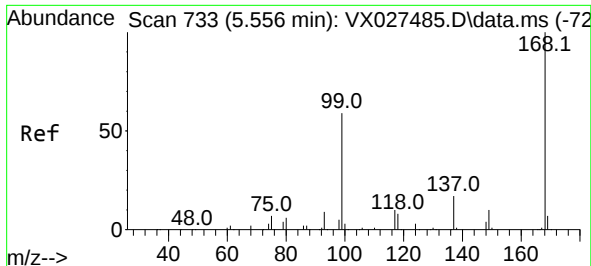
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE-105D2-20220316

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Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

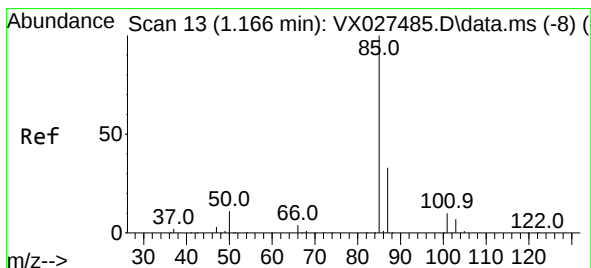
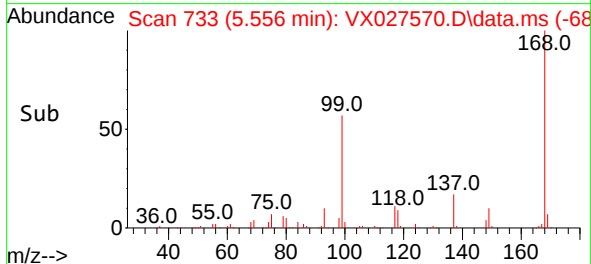
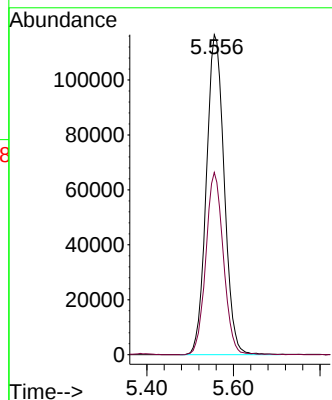
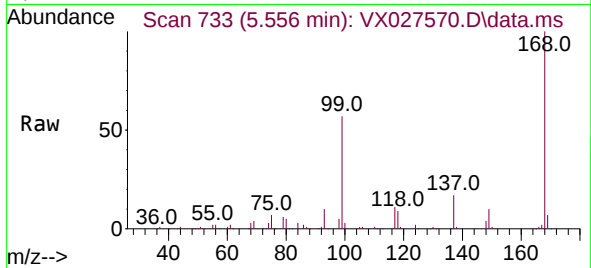




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

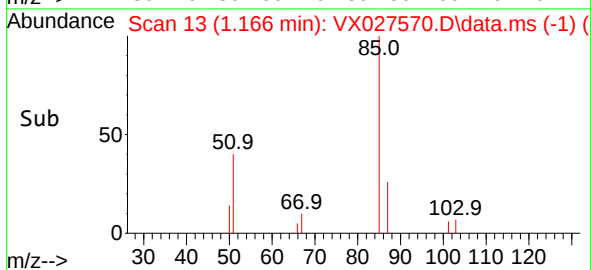
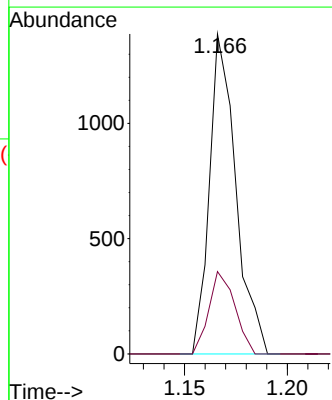
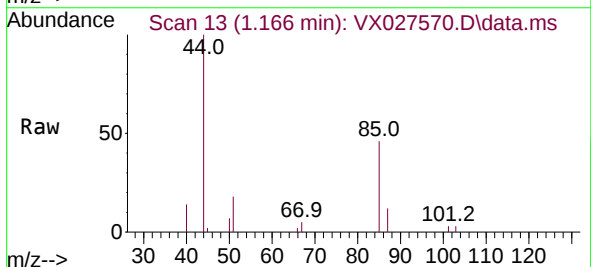
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

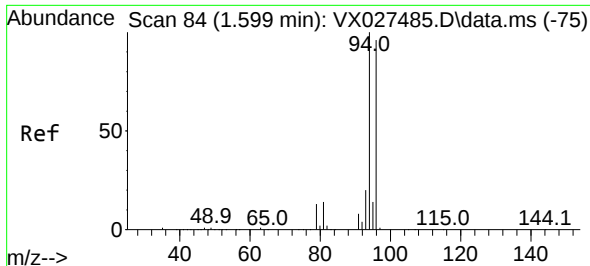
Tgt Ion:168 Resp: 333379
Ion Ratio Lower Upper
168 100
99 57.0 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.387 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 85 Resp: 1238
Ion Ratio Lower Upper
85 100
87 25.7 16.2 48.6

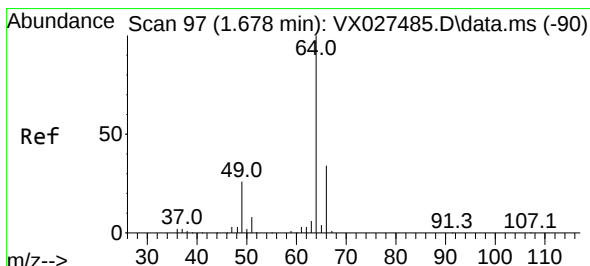
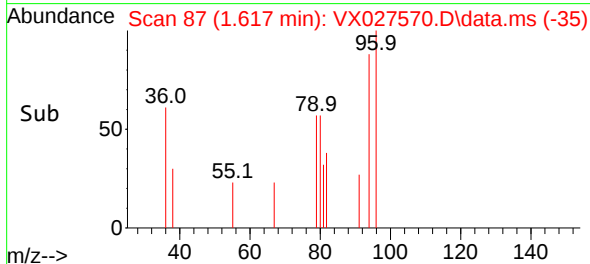
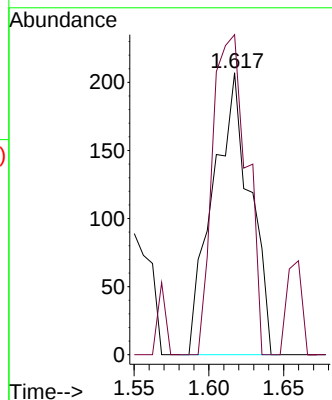
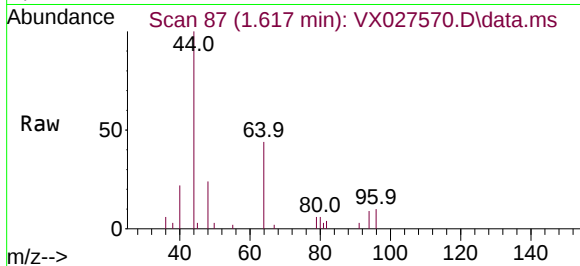




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

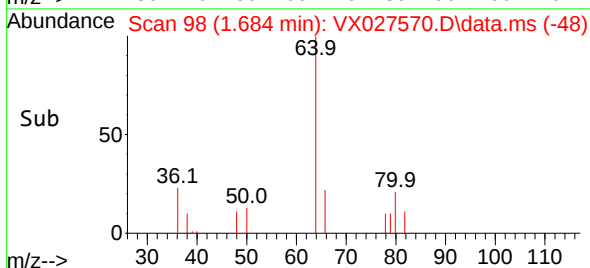
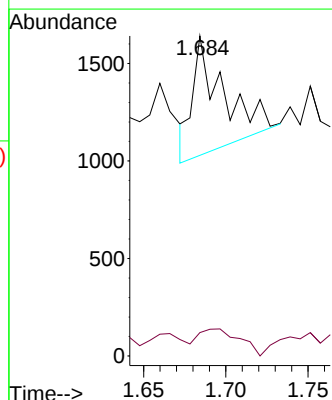
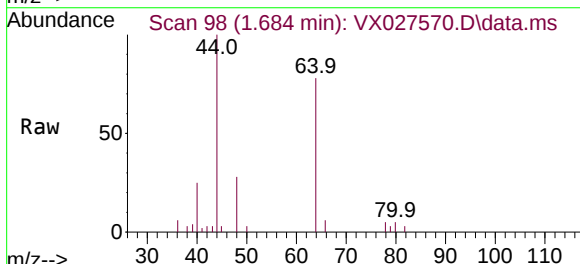
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

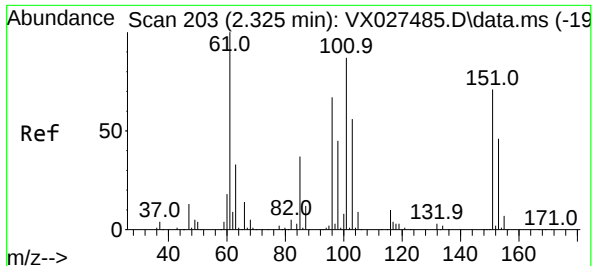
Tgt Ion: 94 Resp: 358
Ion Ratio Lower Upper
94 100
96 113.5 75.3 112.9#



#6
Chloroethane
Concen: 0.395 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 64 Resp: 795
Ion Ratio Lower Upper
64 100
66 8.0 25.3 37.9#

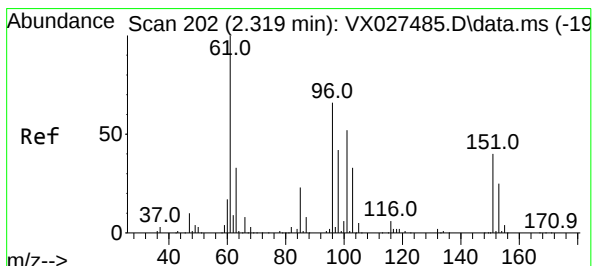
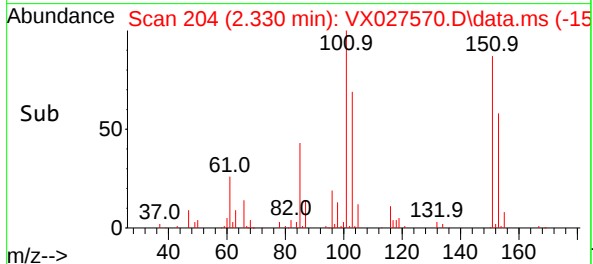
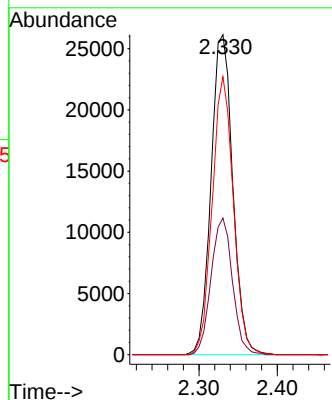
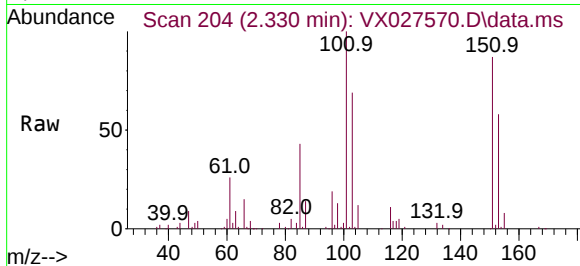




#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.594 ug/l
RT: 2.330 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

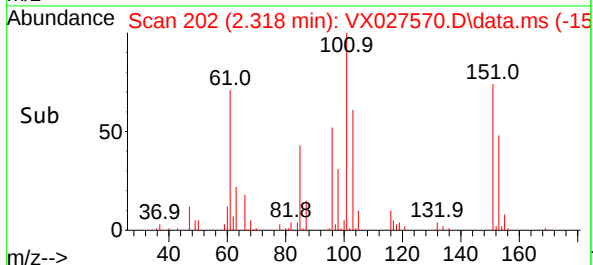
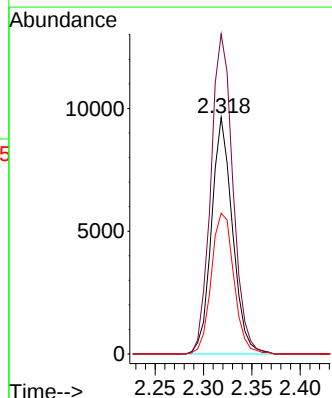
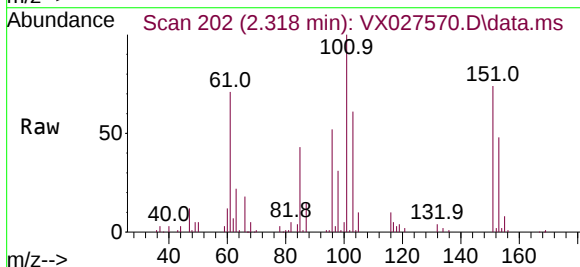
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

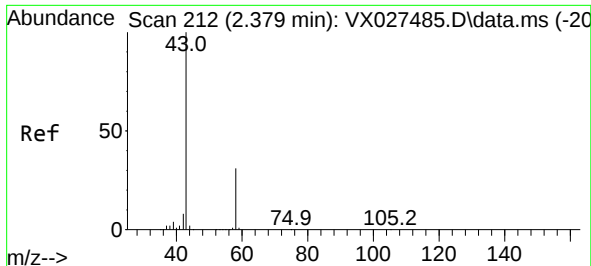
Tgt Ion:101 Resp: 50314
Ion Ratio Lower Upper
101 100
85 42.1 33.5 50.3
151 84.8 61.8 92.6



#12
1,1-Dichloroethene
Concen: 4.710 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 96 Resp: 14579
Ion Ratio Lower Upper
96 100
61 135.3 124.6 187.0
98 59.5 51.0 76.4





#16

Acetone

Concen: 2.164 ug/l

RT: 2.385 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX027570.D

Acq: 19 Mar 2022 19:07

Instrument :

MSVOA_X

ClientSampleId :

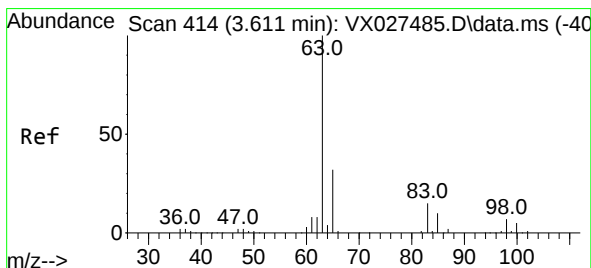
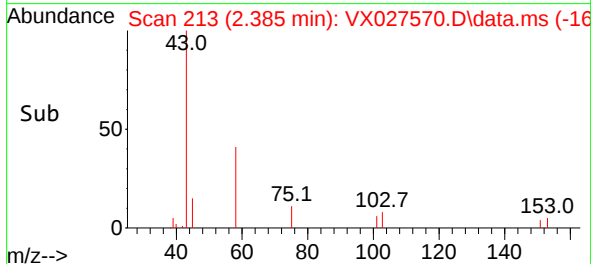
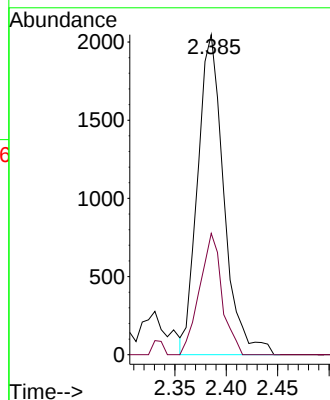
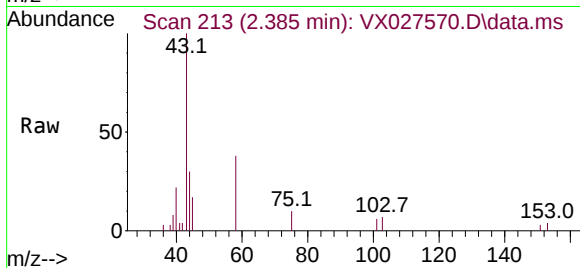
RE-105D2-20220316

Tgt Ion: 43 Resp: 3623

Ion Ratio Lower Upper

43 100

58 37.9 28.8 43.2



#24

1,1-Dichloroethane

Concen: 1.193 ug/l

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

Lab File: VX027570.D

Acq: 19 Mar 2022 19:07

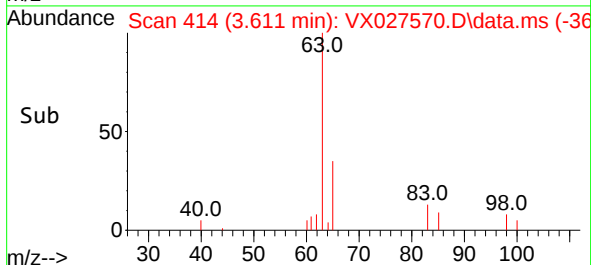
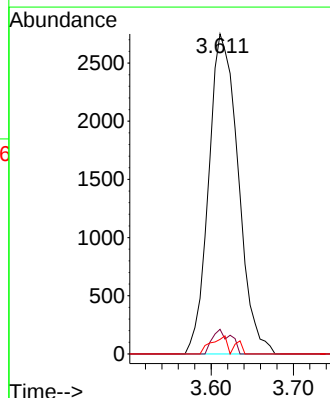
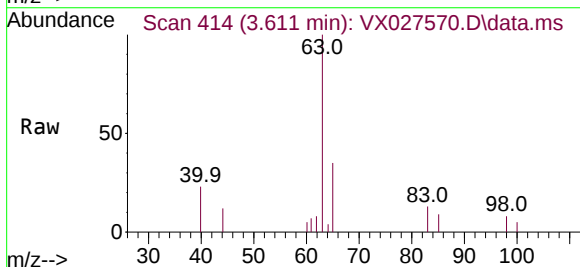
Tgt Ion: 63 Resp: 6867

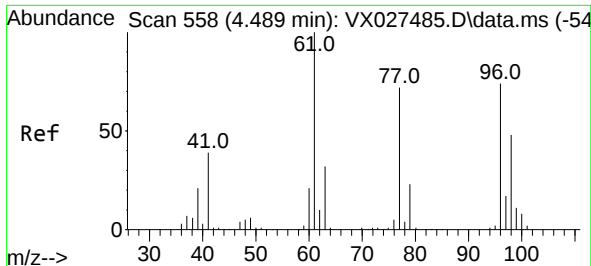
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 4.5 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 3.062 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX027570.D

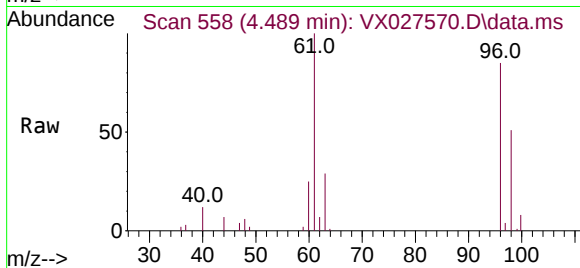
Acq: 19 Mar 2022 19:07

Instrument :

MSVOA_X

ClientSampleId :

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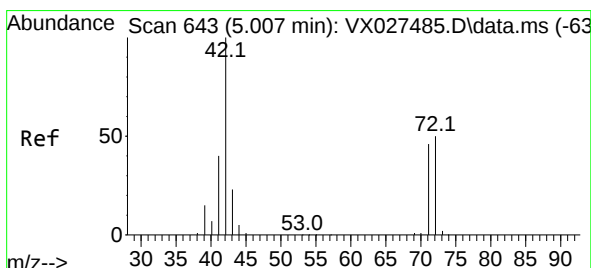
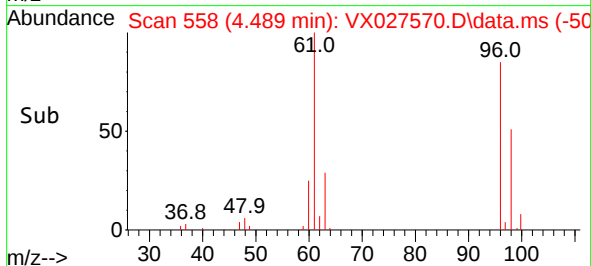
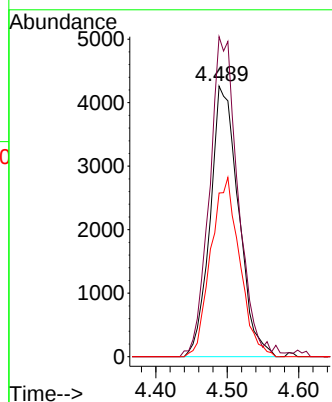
Tgt Ion: 96 Resp: 11726

Ion Ratio Lower Upper

96 100

61 120.1 0.0 283.8

98 67.4 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.672 ug/l

RT: 5.043 min Scan# 649

Delta R.T. 0.036 min

Lab File: VX027570.D

Acq: 19 Mar 2022 19:07

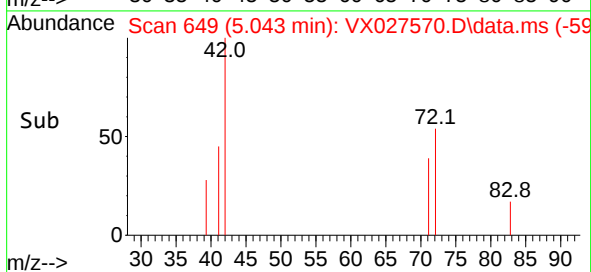
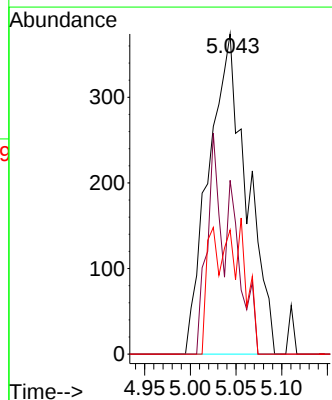
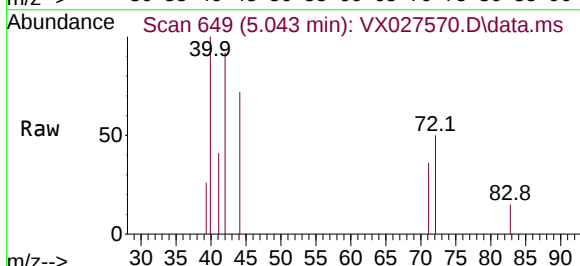
Tgt Ion: 42 Resp: 1085

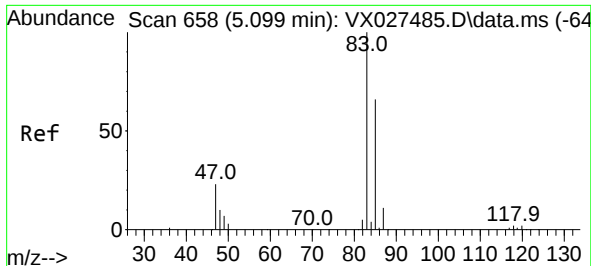
Ion Ratio Lower Upper

42 100

72 24.7 44.1 66.1#

71 12.5 40.5 60.7#





#30

Chloroform

Concen: 1.192 ug/l

RT: 5.104 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX027570.D

Acq: 19 Mar 2022 19:07

Instrument :

MSVOA_X

ClientSampleId :

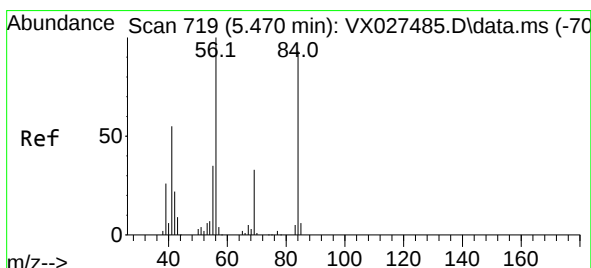
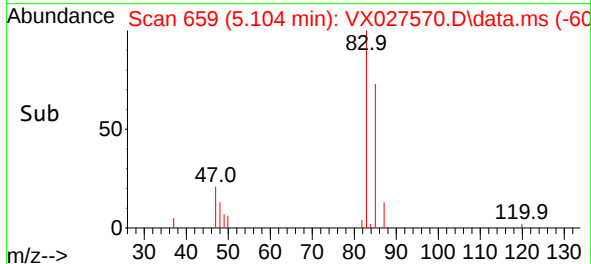
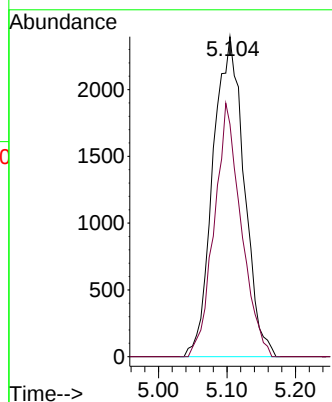
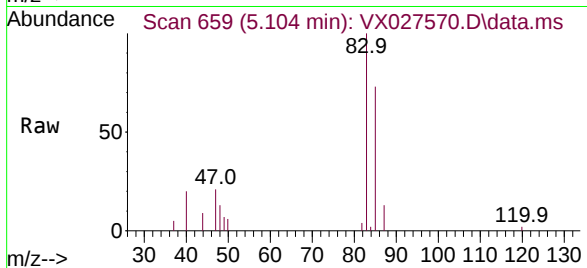
RE-105D2-20220316

Tgt Ion: 83 Resp: 7563

Ion Ratio Lower Upper

83 100

85 72.7 52.7 79.1



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027570.D

Acq: 19 Mar 2022 19:07

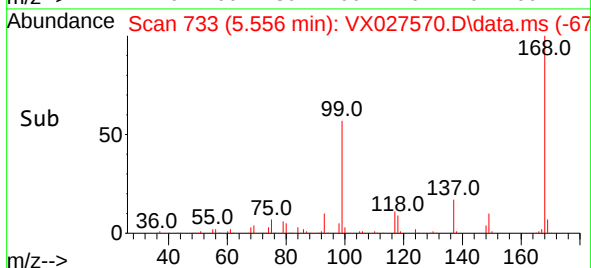
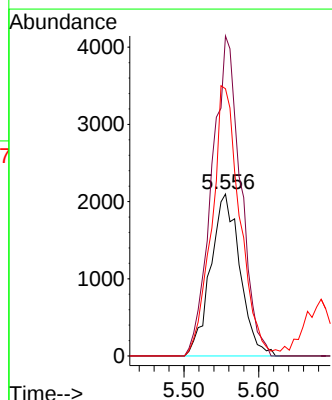
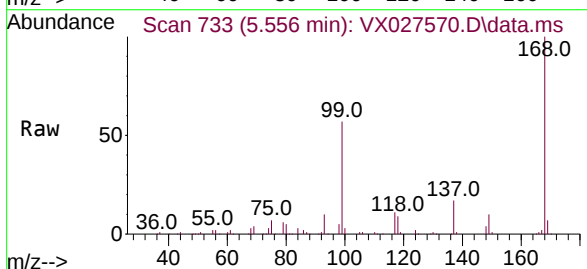
Tgt Ion: 56 Resp: 5741

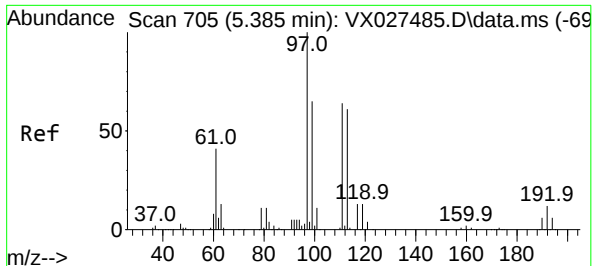
Ion Ratio Lower Upper

56 100

69 197.6 26.7 40.1#

84 165.0 77.2 115.8#

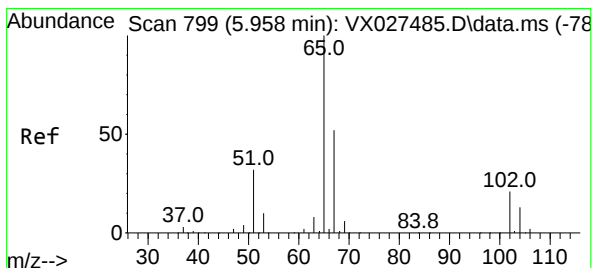
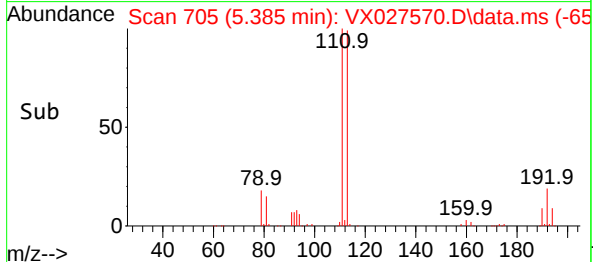
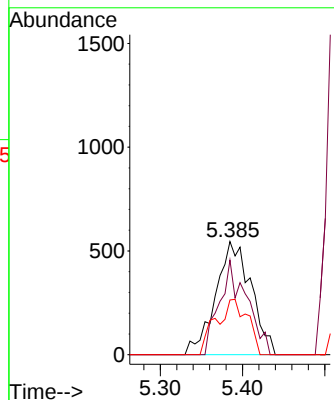
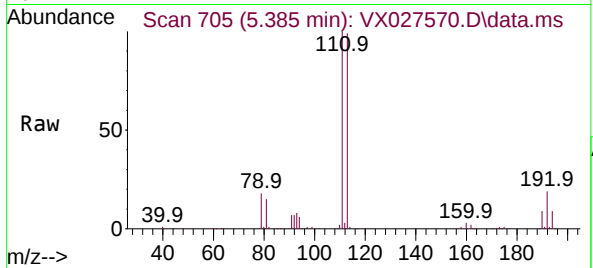




#32
 1,1,1-Trichloroethane
 Concen: 0.283 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX027570.D
 Acq: 19 Mar 2022 19:07

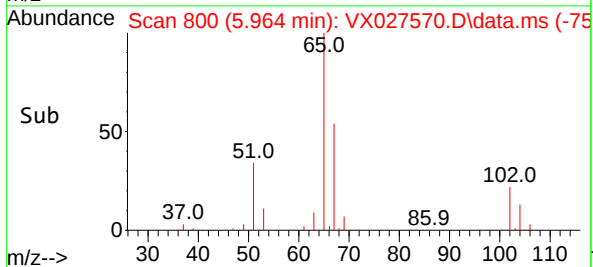
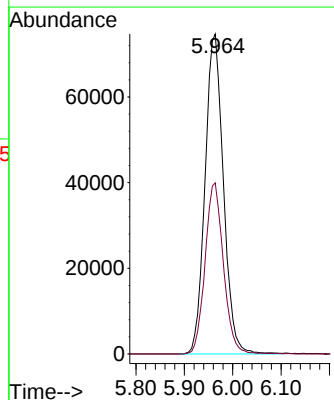
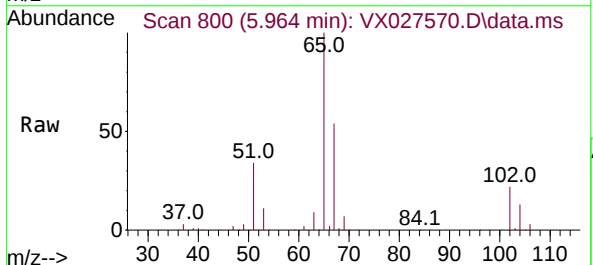
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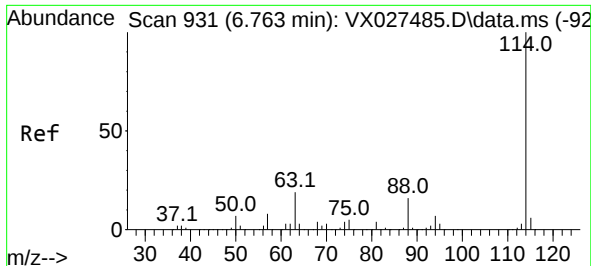
Tgt Ion: 97 Resp: 1633
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.8 77.6#
 61 43.4 34.0 51.0



#33
 1,2-Dichloroethane-d4
 Concen: 48.037 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VX027570.D
 Acq: 19 Mar 2022 19:07

Tgt Ion: 65 Resp: 197283
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.4

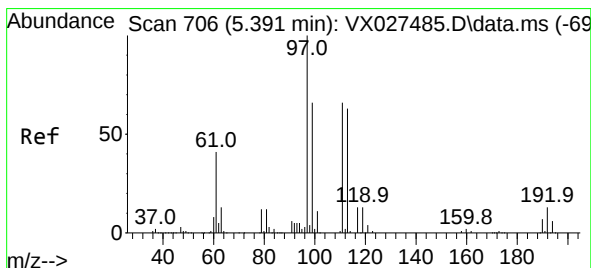
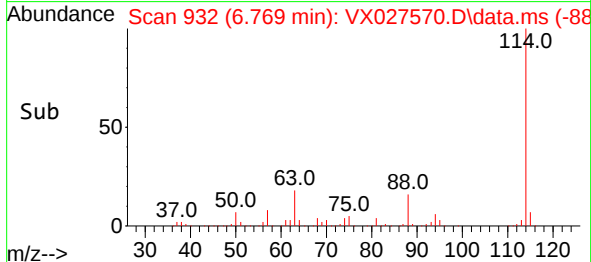
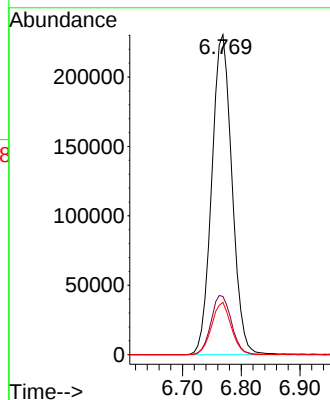
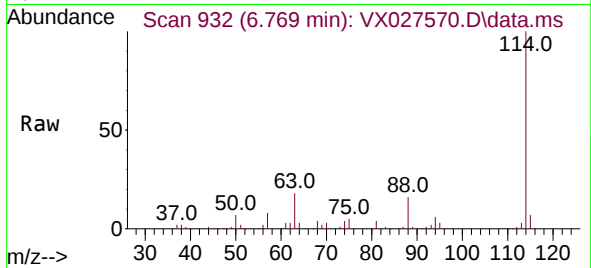




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

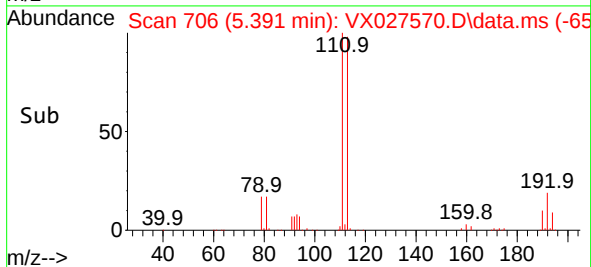
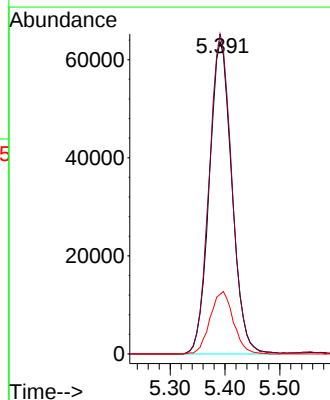
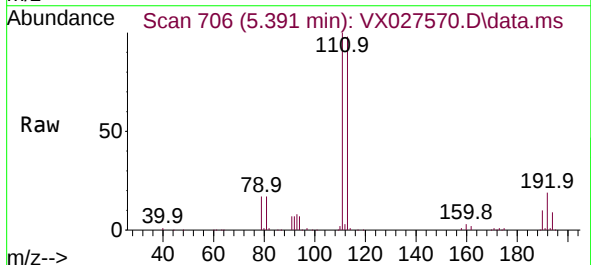
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

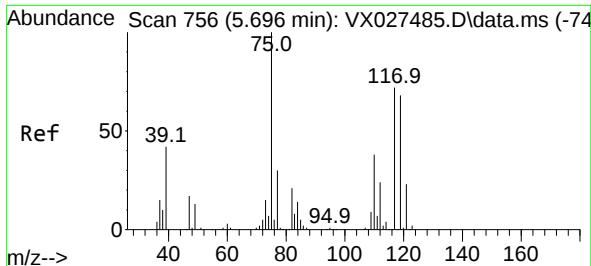
Tgt Ion:114 Resp: 550778
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.521 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion:113 Resp: 182571
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 20.5 16.9 25.3

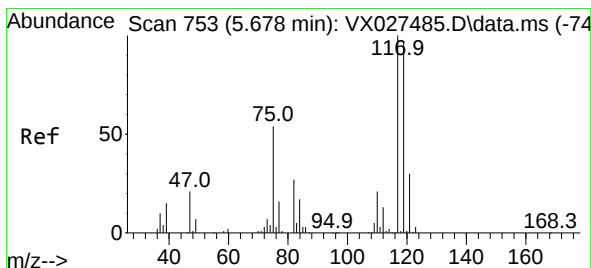
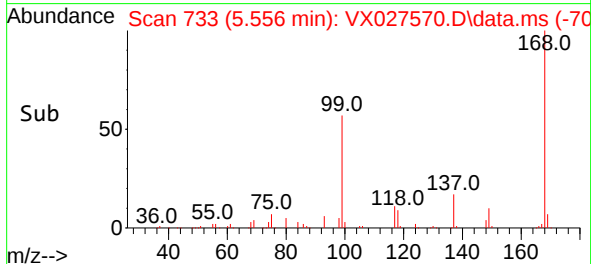
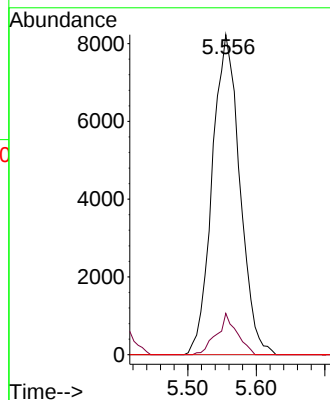
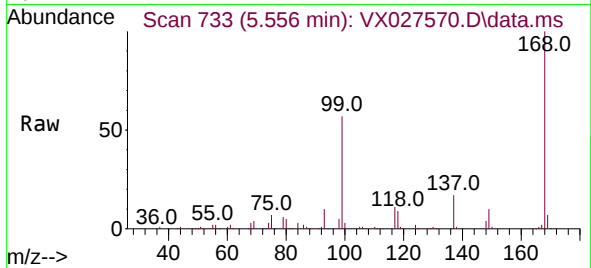




#36
1,1-Dichloropropene
Concen: 4.755 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

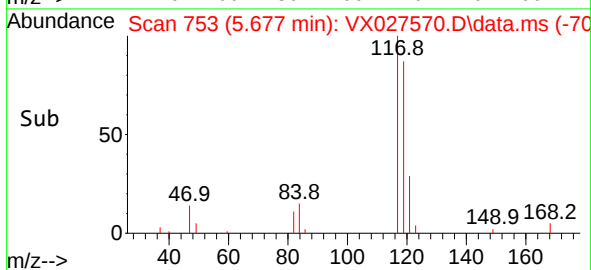
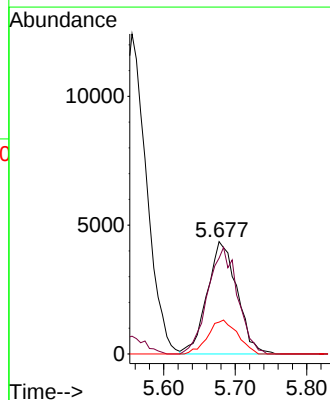
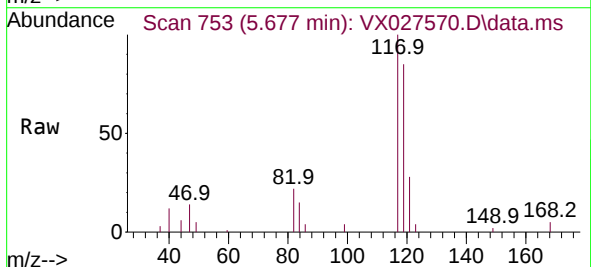
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

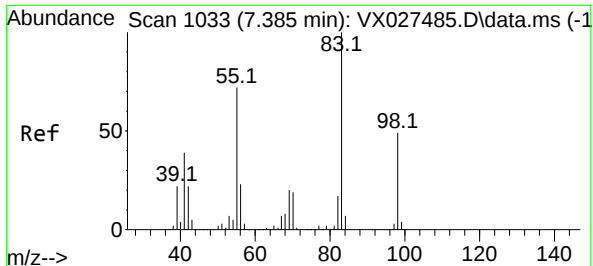
Tgt Ion: 75 Resp: 23026
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 2.286 ug/l
RT: 5.677 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 117 Resp: 12664
Ion Ratio Lower Upper
117 100
119 85.4 77.3 115.9
121 28.4 24.2 36.2

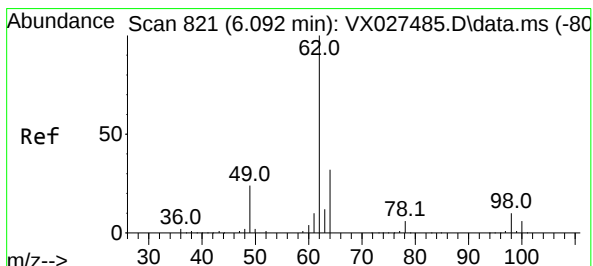
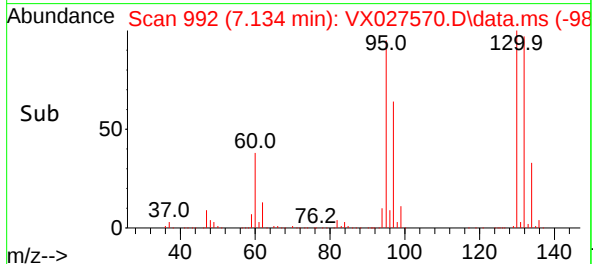
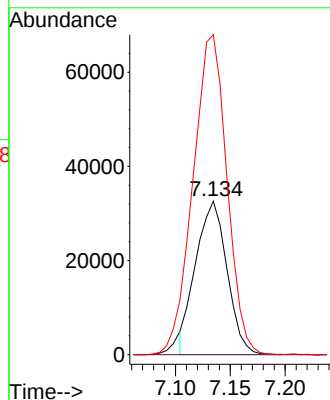
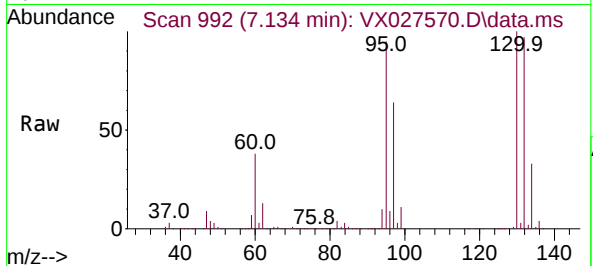




#39
Methylcyclohexane
Concen: 10.629 ug/l
RT: 7.134 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

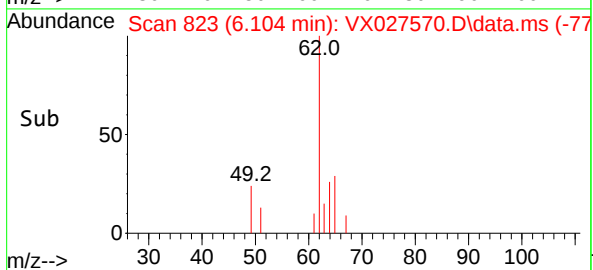
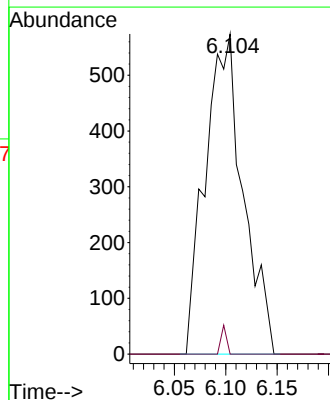
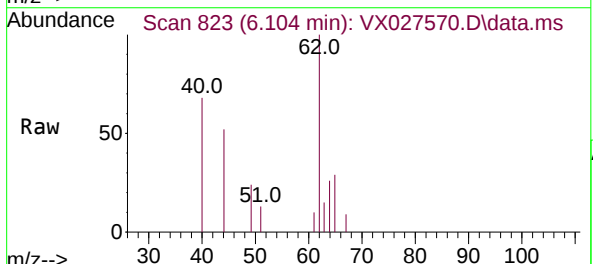
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

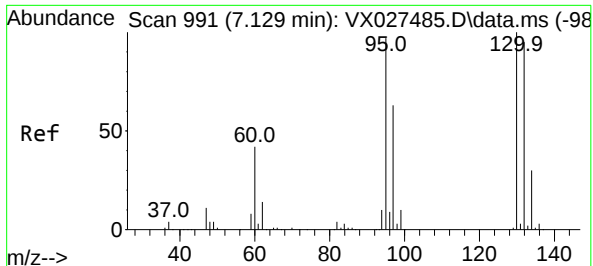
Tgt Ion: 83 Resp: 64724
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 208.3 37.4 56.2#



#42
1,2-Dichloroethane
Concen: 0.283 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.012 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 62 Resp: 1472
Ion Ratio Lower Upper
62 100
98 1.3 0.0 20.4

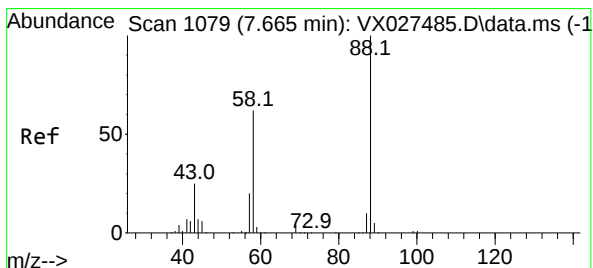
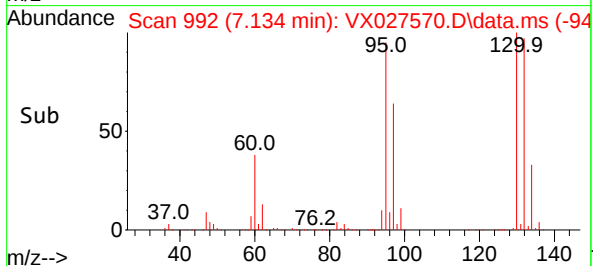
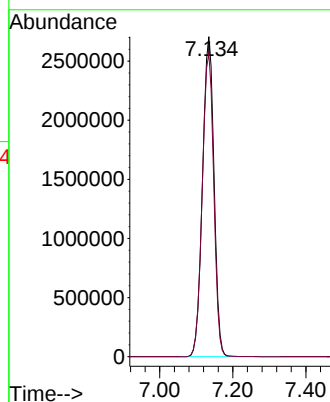
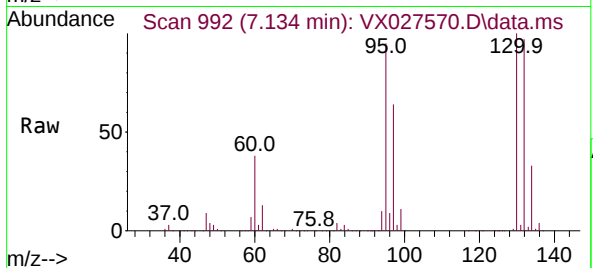




#44
Trichloroethene
Concen: 1401.282 ug/l
RT: 7.134 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

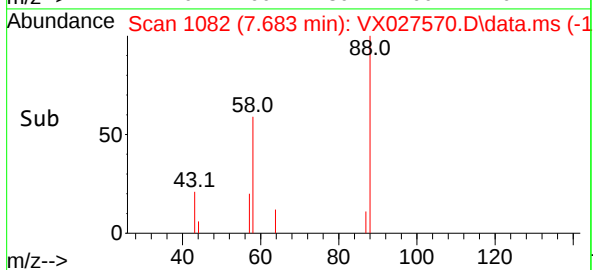
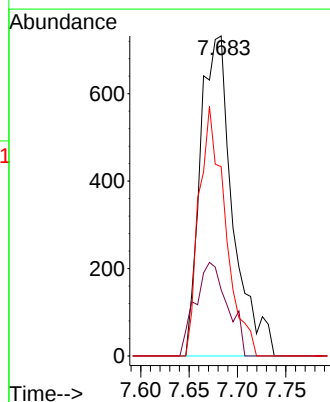
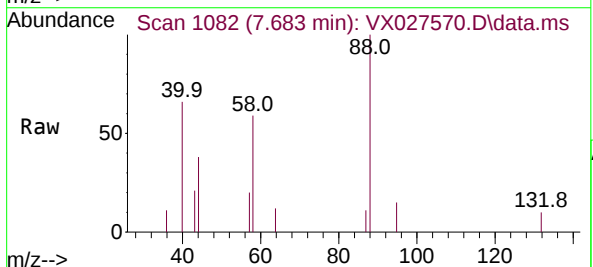
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

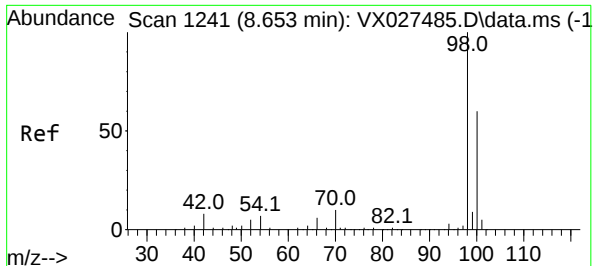
Tgt Ion:130 Resp: 5909793
Ion Ratio Lower Upper
130 100
95 94.8 0.0 188.8



#49
1,4-Dioxane
Concen: 17.293 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.018 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 88 Resp: 1707
Ion Ratio Lower Upper
88 100
43 29.0 21.9 32.9
58 63.3 53.7 80.5

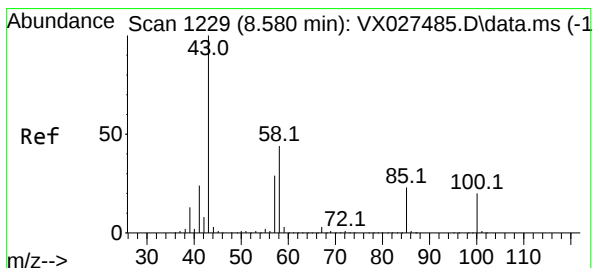
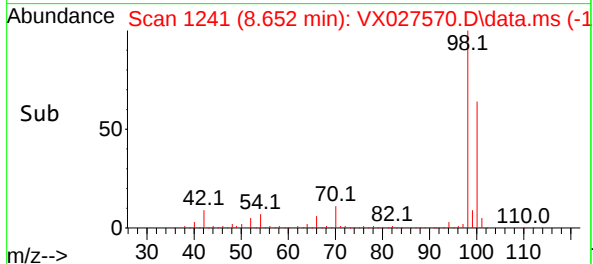
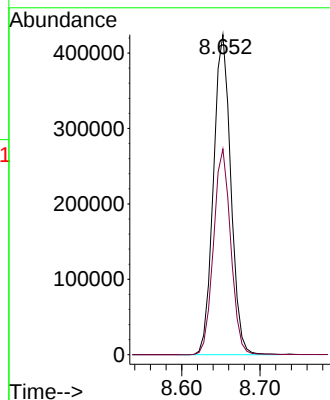
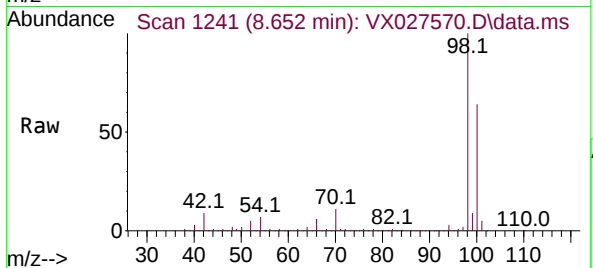




#50
Toluene-d8
Concen: 48.682 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

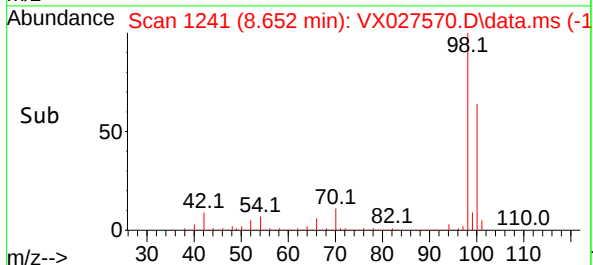
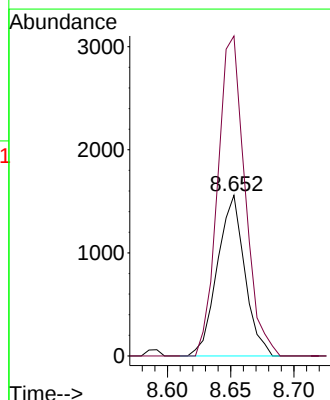
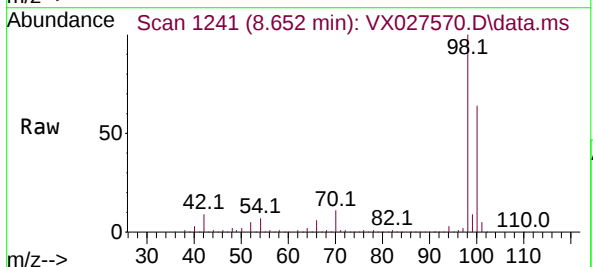
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

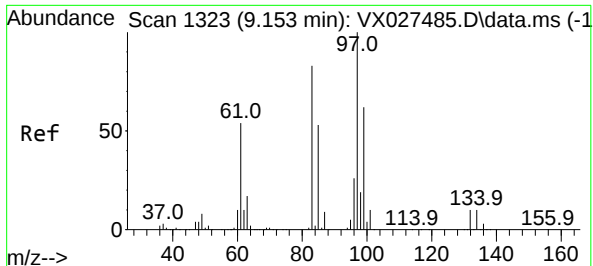
Tgt Ion: 98 Resp: 652796
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.474 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
58 197.4 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.771 ug/l

RT: 9.152 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX027570.D

Acq: 19 Mar 2022 19:07

Instrument :

MSVOA_X

ClientSampleId :

RE-105D2-20220316

Tgt Ion: 97 Resp: 2924

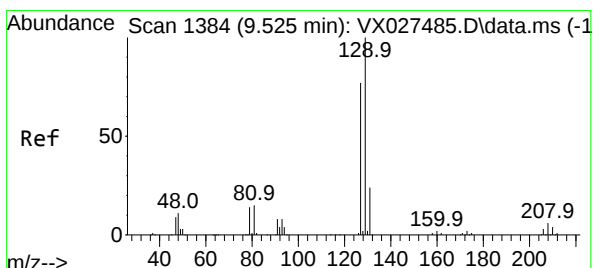
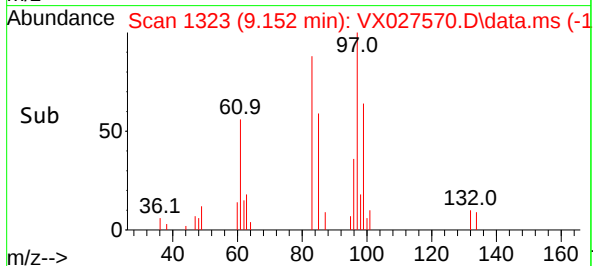
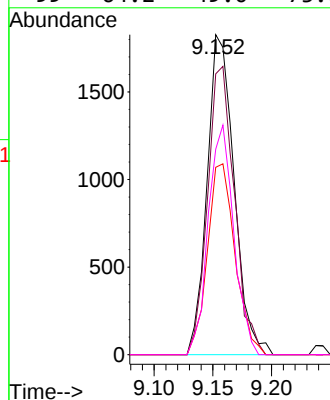
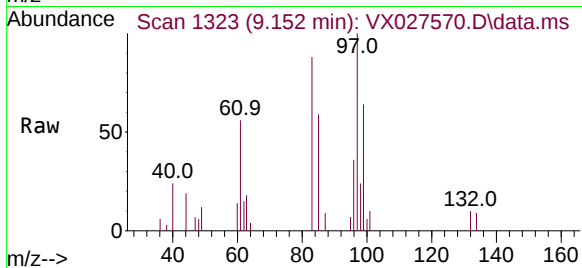
Ion Ratio Lower Upper

97 100

83 87.7 66.2 99.4

85 58.6 42.9 64.3

99 64.2 49.0 73.6



#60

Dibromochloromethane

Concen: 2.099 ug/l

RT: 9.280 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX027570.D

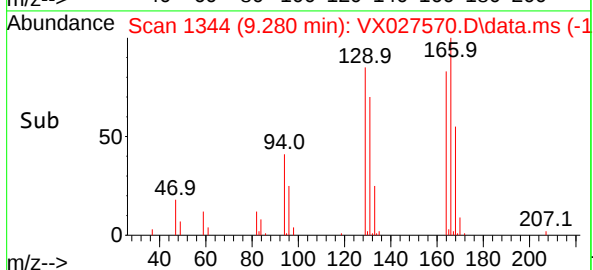
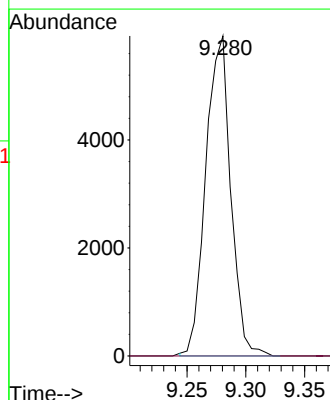
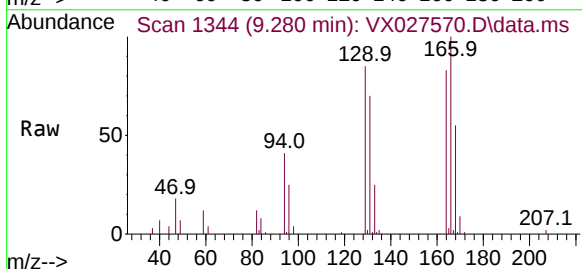
Acq: 19 Mar 2022 19:07

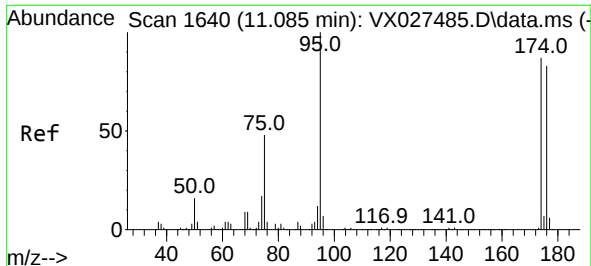
Tgt Ion: 129 Resp: 8758

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#

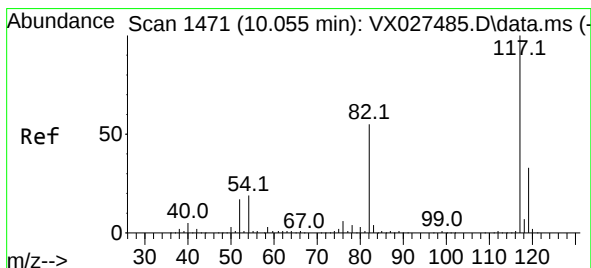
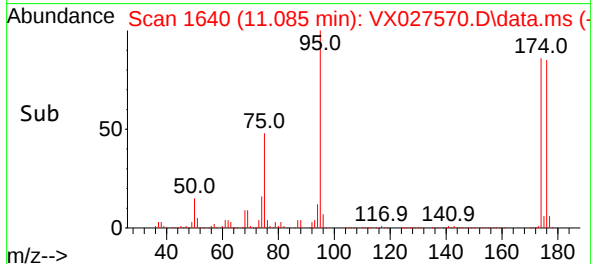
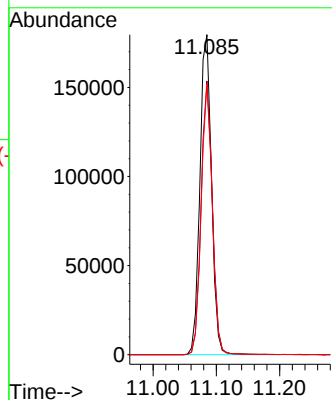
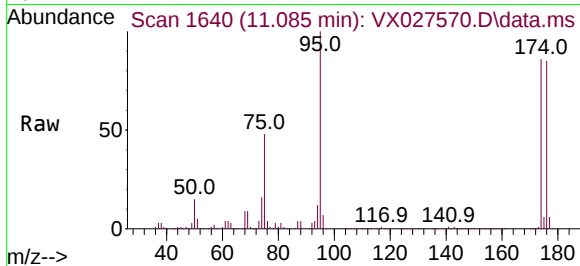




#62
4-Bromofluorobenzene
Concen: 46.624 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

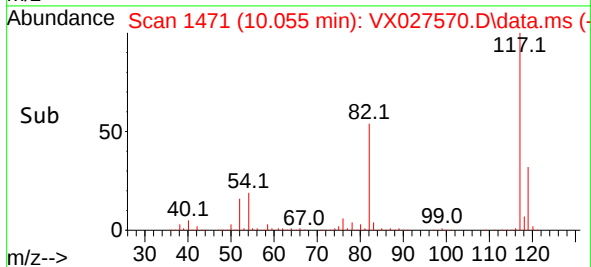
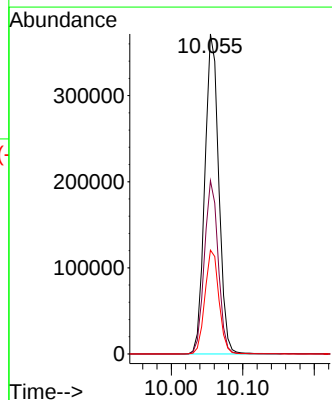
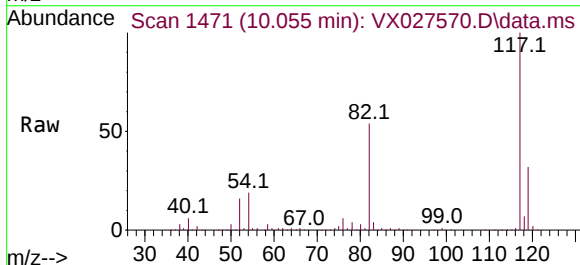
Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

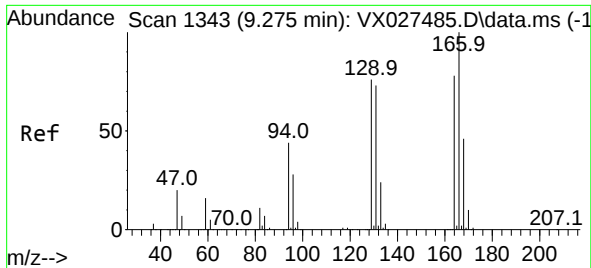
Tgt Ion: 95 Resp: 229796
Ion Ratio Lower Upper
95 100
174 83.2 0.0 163.0
176 80.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 117 Resp: 504482
Ion Ratio Lower Upper
117 100
82 54.2 41.8 62.8
119 32.4 24.8 37.2



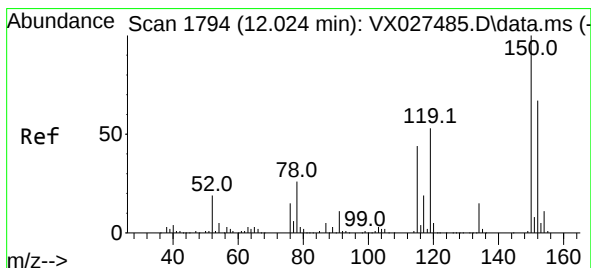
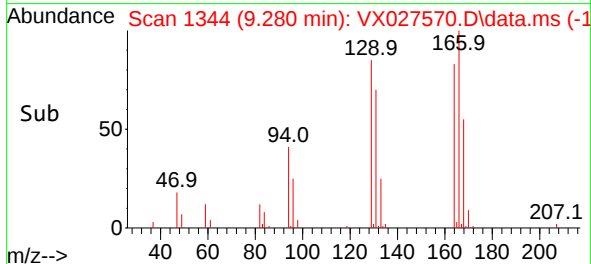
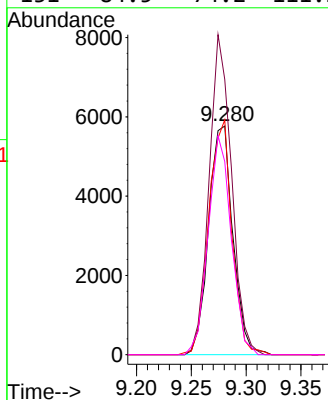
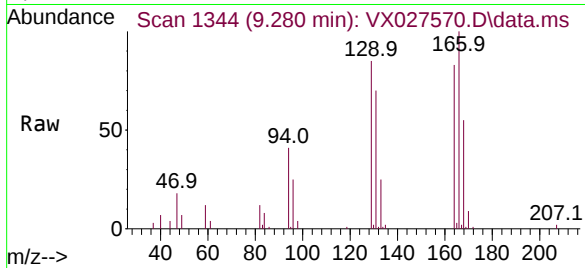


#64
Tetrachloroethene
Concen: 2.269 ug/l
RT: 9.280 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

Tgt Ion:164 Resp: 8900

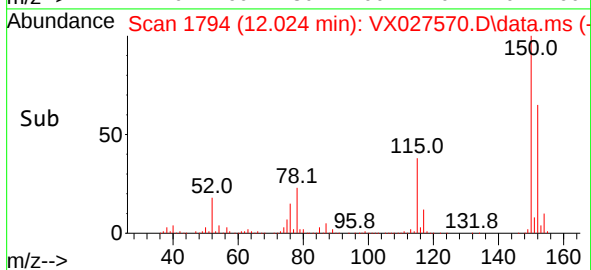
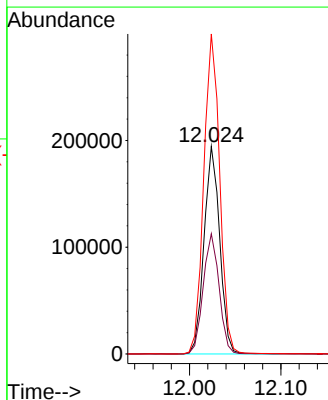
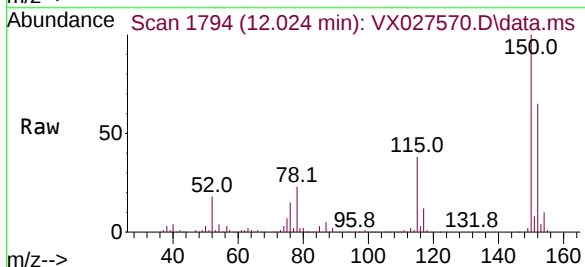
Ion	Ratio	Lower	Upper
164	100		
166	120.3	101.2	151.8
129	102.7	73.0	109.4
131	84.5	74.2	111.2

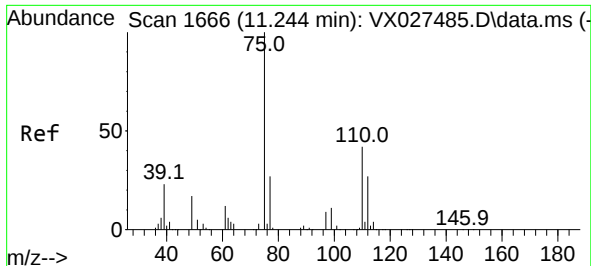


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion:152 Resp: 230724

Ion	Ratio	Lower	Upper
152	100		
115	58.8	37.5	112.7
150	157.1	0.0	338.2

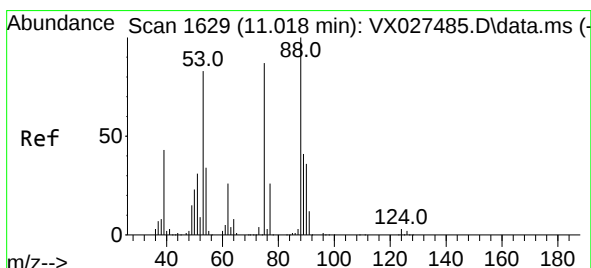
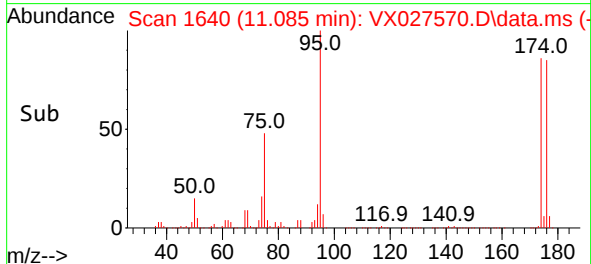
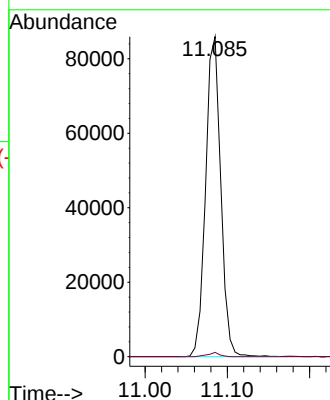
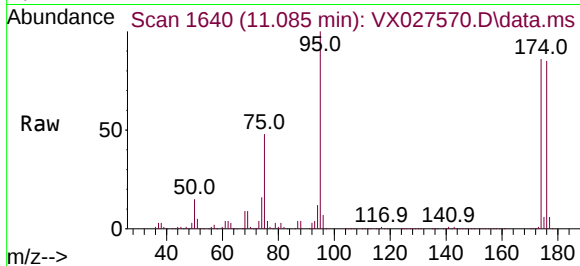




#76
1,2,3-Trichloropropane
Concen: 22.730 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Instrument :
MSVOA_X
ClientSampleId :
RE-105D2-20220316

Tgt Ion: 75 Resp: 109696
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.033 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027570.D
Acq: 19 Mar 2022 19:07

Tgt Ion: 75 Resp: 109696
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

