

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031922\
 Data File : VX027560.D
 Acq On : 19 Mar 2022 15:10
 Operator : JC/MD
 Sample : N2000-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D1-20220315

Quant Time: Mar 21 01:22:34 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)

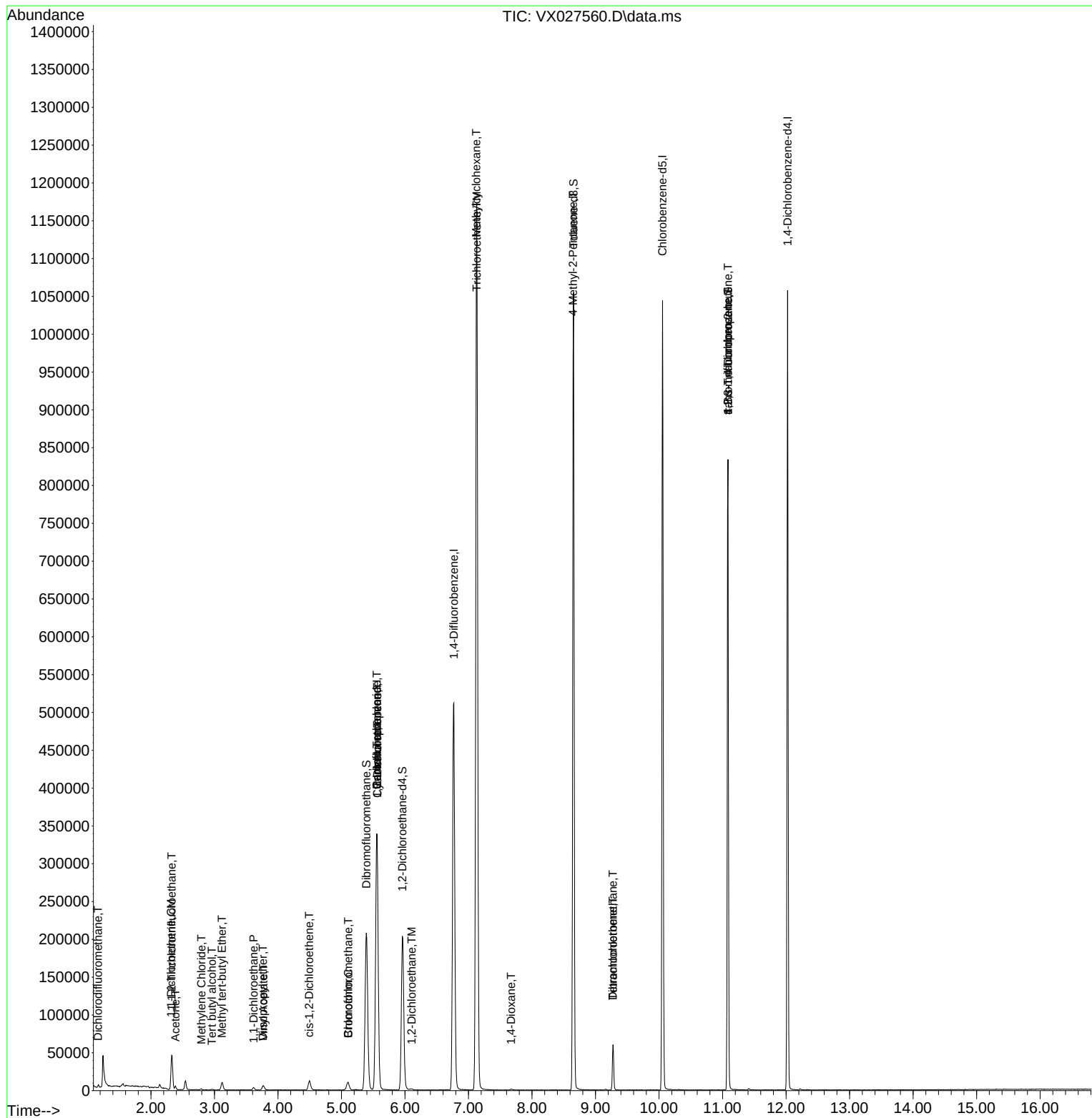
Internal Standards						
1) Pentafluorobenzene	5.556	168	337072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	551092	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	498263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	220698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199784	48.113	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.220%		
35) Dibromofluoromethane	5.391	113	184510	52.039	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.080%		
50) Toluene-d8	8.653	98	650013	48.447	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.900%		
62) 4-Bromofluorobenzene	11.085	95	225764	45.780	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1015	0.314	ug/l	97
5) Bromomethane	1.618	94	653	Below Cal	#	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	16421	5.034	ug/l	95
11) Tert butyl alcohol	2.959	59	773	0.977	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	2848	0.910	ug/l #	78
16) Acetone	2.386	43	4271	2.523	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	11666	1.105	ug/l	99
20) Methylene Chloride	2.794	84	746	0.205	ug/l #	86
22) Diisopropyl ether	3.764	45	5998	0.627	ug/l #	81
23) Vinyl Acetate	3.770	43	3343	0.402	ug/l #	66
24) 1,1-Dichloroethane	3.617	63	3593	0.618	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	7934	2.049	ug/l	87
28) Bromochloromethane	5.105	49	824	0.351	ug/l #	7
30) Chloroform	5.105	83	13002	2.026	ug/l	94
31) Cyclohexane	5.562	56	5744	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	23299	4.809	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32882	5.932	ug/l #	15
39) Methylcyclohexane	7.123	83	4994	0.820	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	1656	0.318	ug/l #	73
44) Trichloroethene	7.129	130	475705	112.731	ug/l	98
49) 1,4-Dioxane	7.671	88	1044	10.570	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	2476	0.499	ug/l #	1
60) Dibromochloromethane	9.275	129	11600	2.778	ug/l #	9
64) Tetrachloroethene	9.275	164	12055	3.112	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	107767	23.345	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	107767	70.900	ug/l #	15

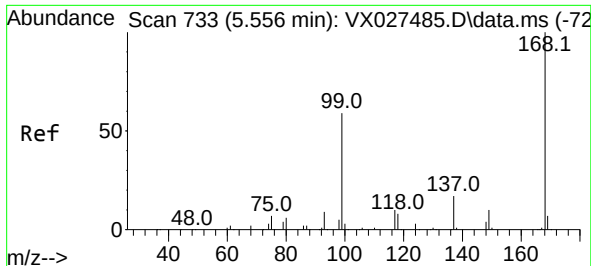
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

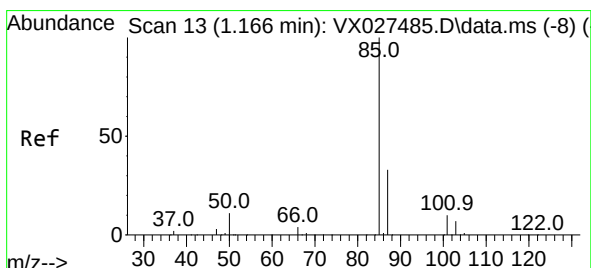
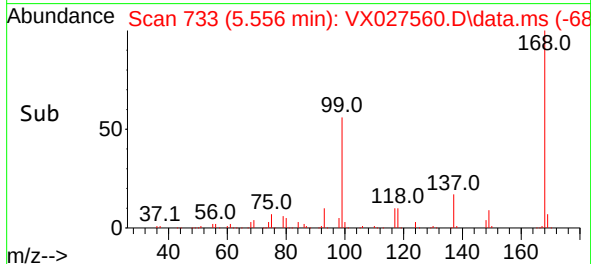
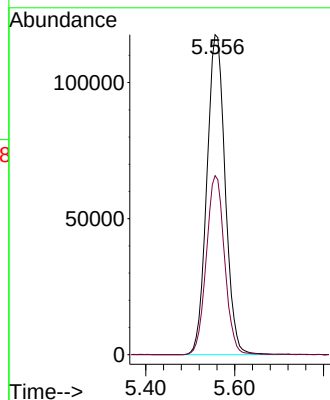
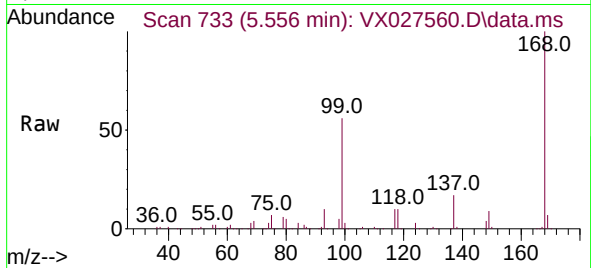




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

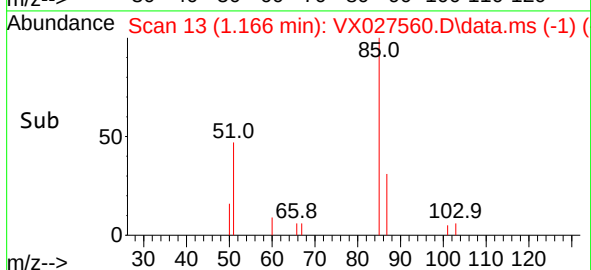
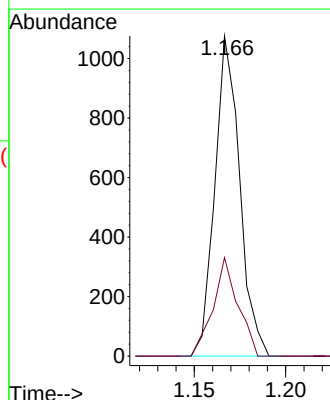
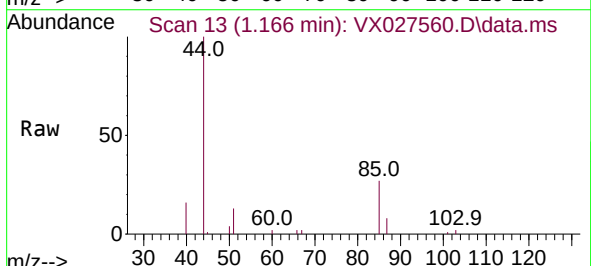
Instrument :
MSVOA_X
ClientSampleId :
RE-132D1-20220315

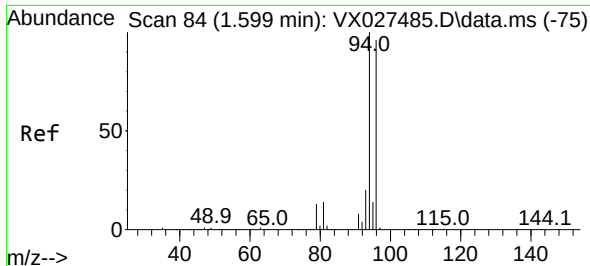
Tgt Ion:168 Resp: 337072
Ion Ratio Lower Upper
168 100
99 56.0 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.314 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt Ion: 85 Resp: 1015
Ion Ratio Lower Upper
85 100
87 30.8 16.2 48.6

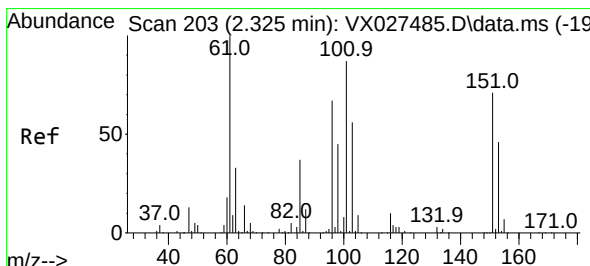
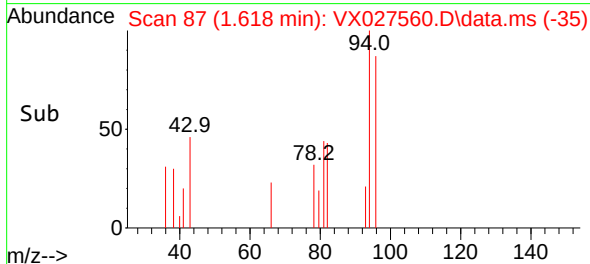
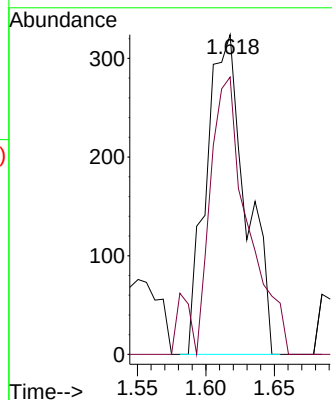
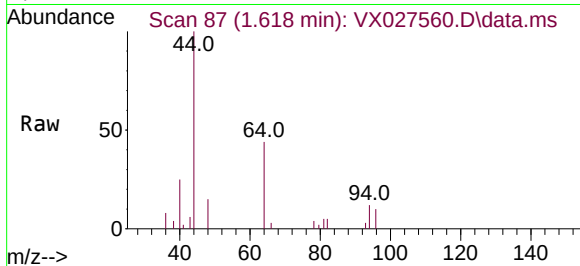




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

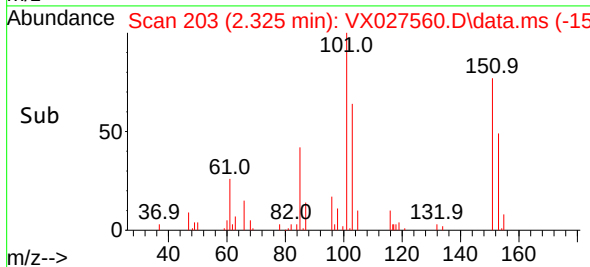
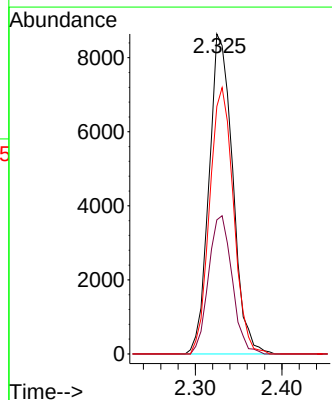
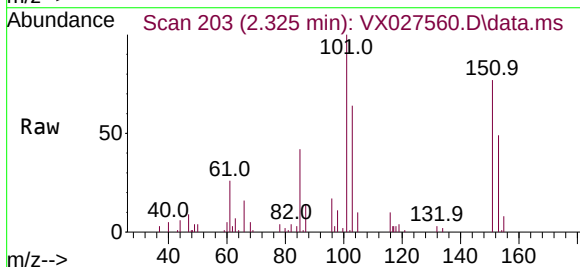
Instrument :
MSVOA_X
ClientSampleId :
RE-132D1-20220315

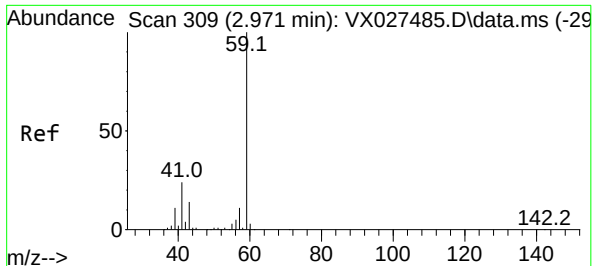
Tgt Ion: 94 Resp: 653
Ion Ratio Lower Upper
94 100
96 70.7 75.3 112.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.034 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt Ion: 101 Resp: 16421
Ion Ratio Lower Upper
101 100
85 42.9 33.5 50.3
151 83.7 61.8 92.6





#11

Tert butyl alcohol

Concen: 0.977 ug/l

RT: 2.959 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

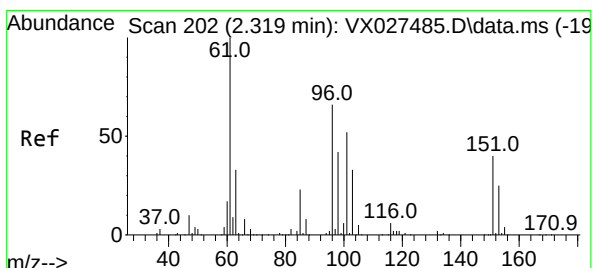
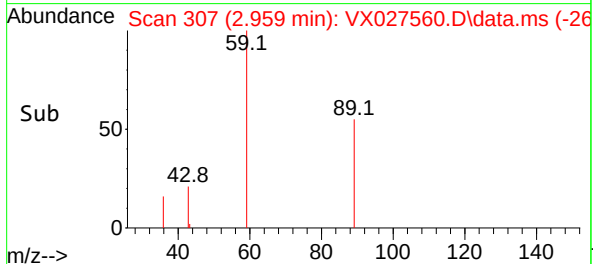
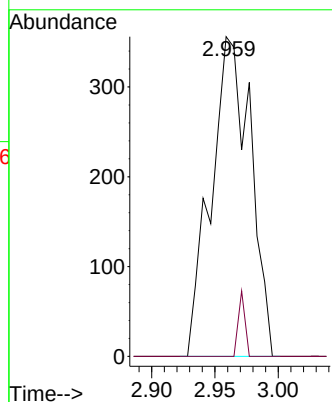
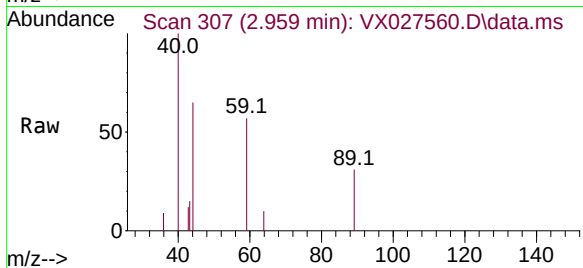
RE-132D1-20220315

Tgt Ion: 59 Resp: 773

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.910 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

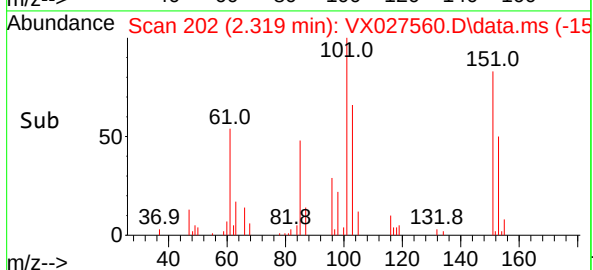
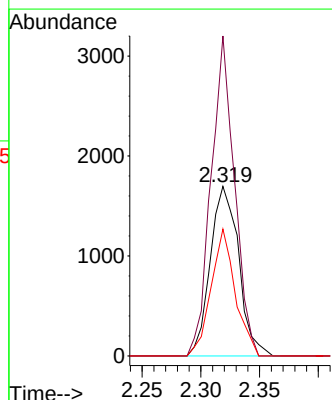
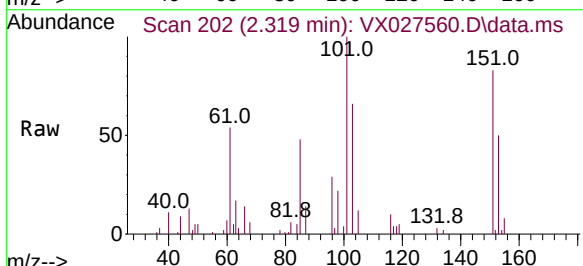
Tgt Ion: 96 Resp: 2848

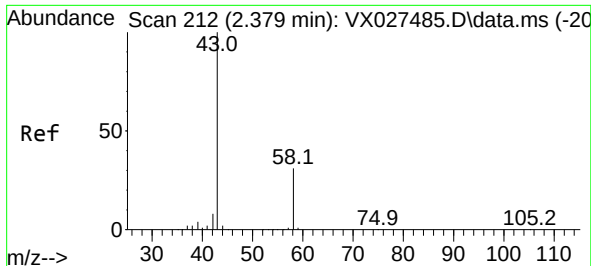
Ion Ratio Lower Upper

96 100

61 188.7 124.6 187.0#

98 74.8 51.0 76.4

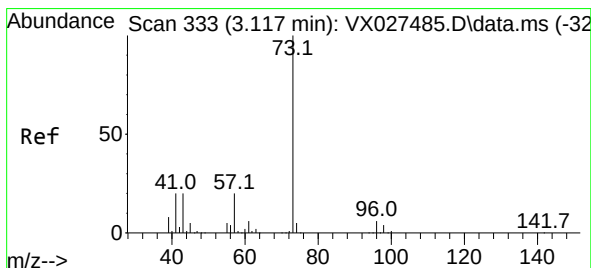
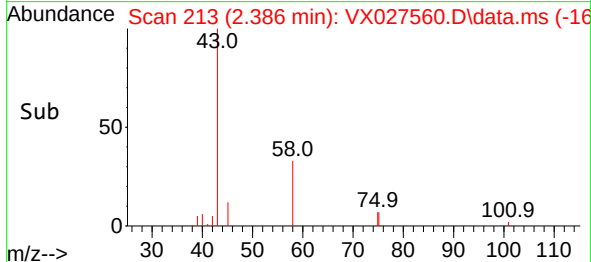
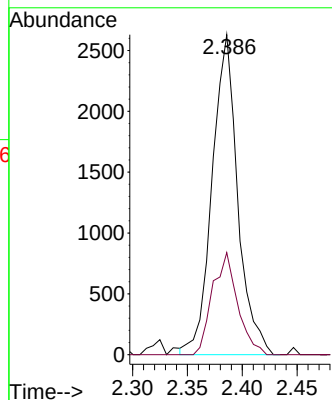
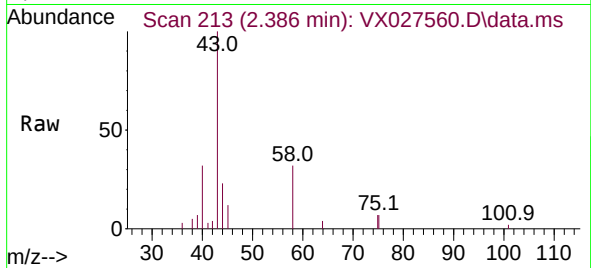




#16
Acetone
Concen: 2.523 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

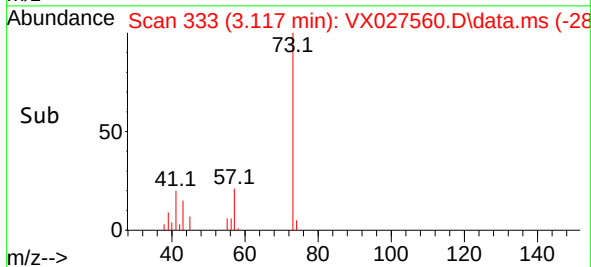
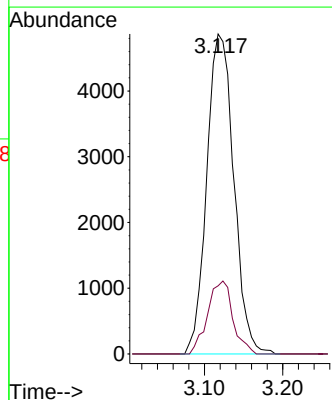
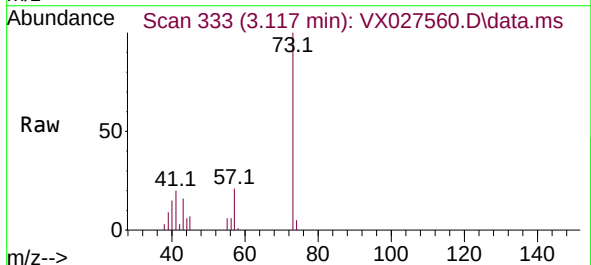
Instrument :
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ClientSampleId :
RE-132D1-20220315

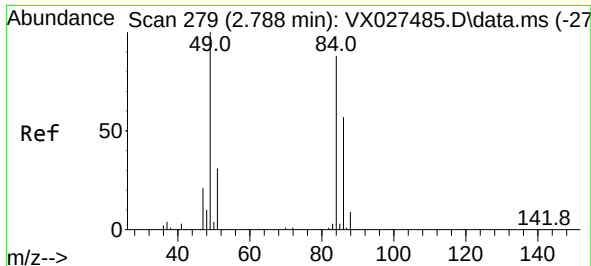
Tgt Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
58 31.9 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 1.105 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt Ion: 73 Resp: 11666
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2

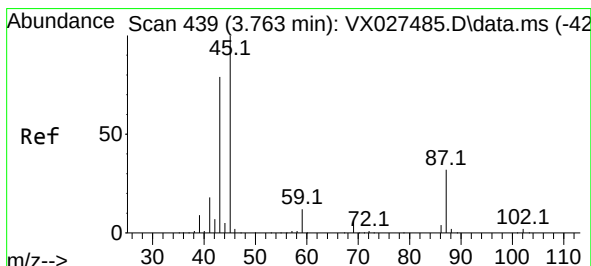
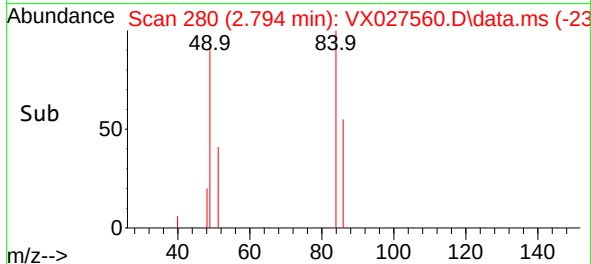
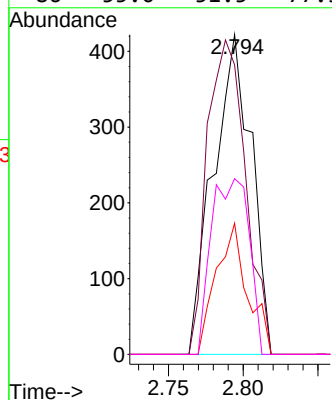
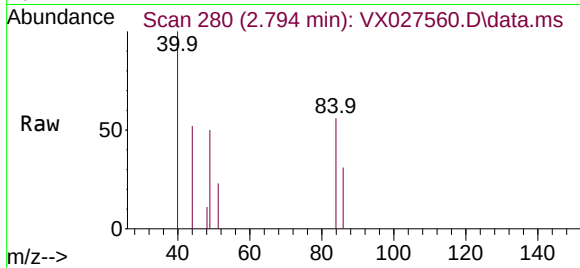




#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

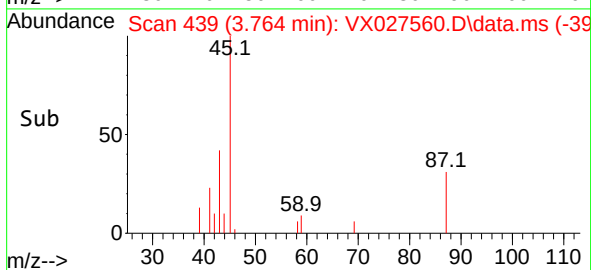
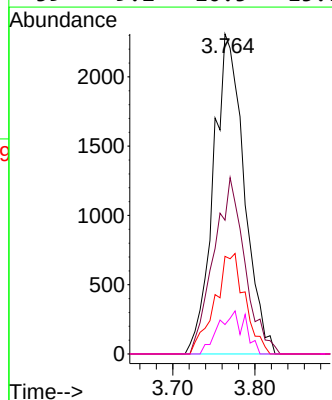
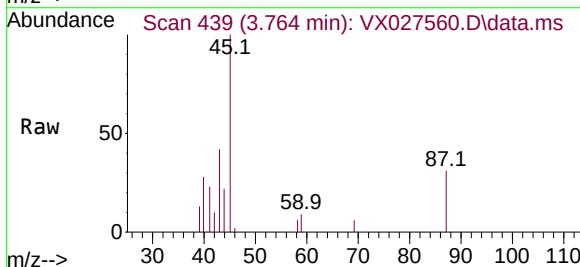
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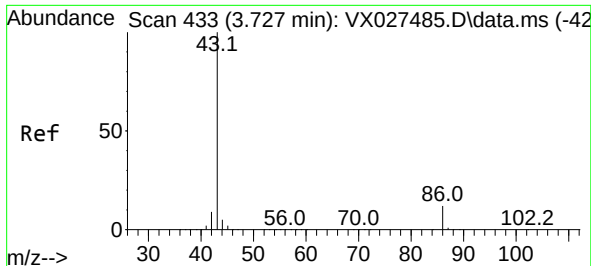
Tgt Ion: 84	Resp: 746
Ion Ratio	Lower Upper
84 100	
49 90.5	85.5 128.3
51 41.0	26.6 39.8#
86 55.0	51.5 77.3



#22
Diisopropyl ether
Concen: 0.627 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt	Ion: 45	Resp:	5998
Ion	Ratio	Lower	Upper
45	100		
43	41.8	50.8	76.2#
87	30.5	26.6	39.8
59	9.2	10.5	15.7#

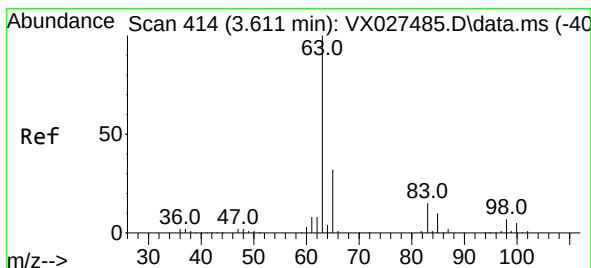
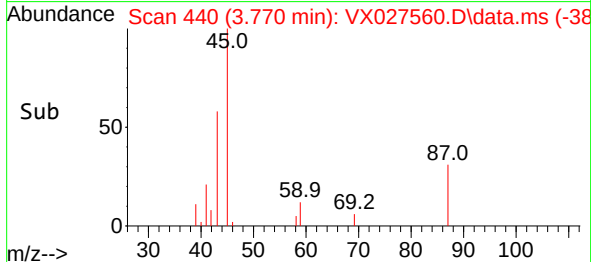
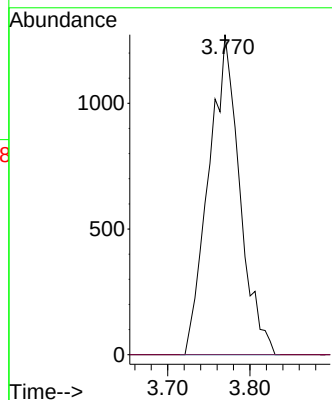
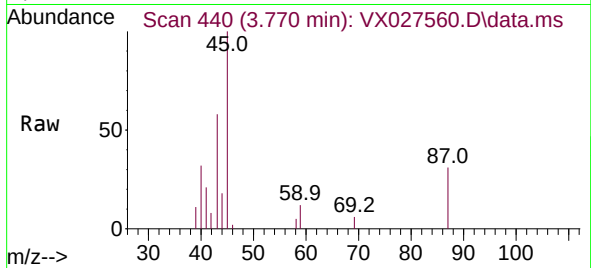




#23
 Vinyl Acetate
 Concen: 0.402 ug/l
 RT: 3.770 min Scan# 440
 Delta R.T. 0.043 min
 Lab File: VX027560.D
 Acq: 19 Mar 2022 15:10

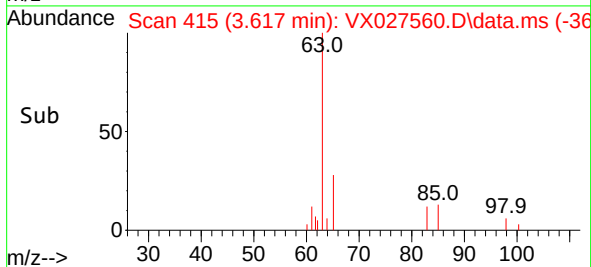
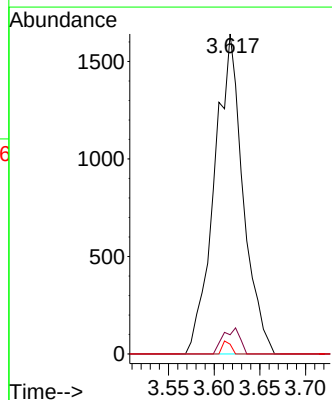
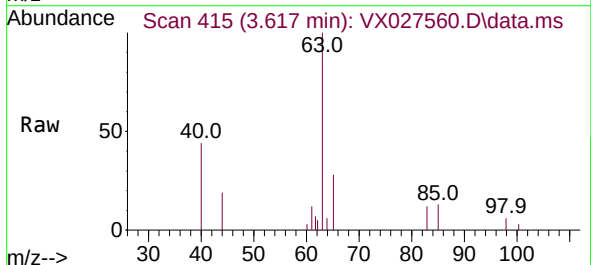
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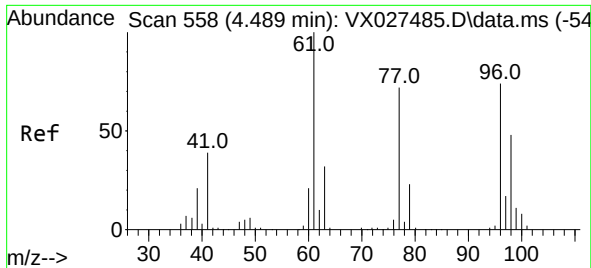
Tgt Ion: 43 Resp: 3343
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#24
 1,1-Dichloroethane
 Concen: 0.618 ug/l
 RT: 3.617 min Scan# 415
 Delta R.T. 0.006 min
 Lab File: VX027560.D
 Acq: 19 Mar 2022 15:10

Tgt Ion: 63 Resp: 3593
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.9 11.7
 100 3.0 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 2.049 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

RE-132D1-20220315

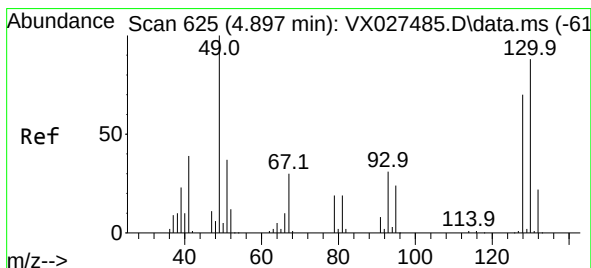
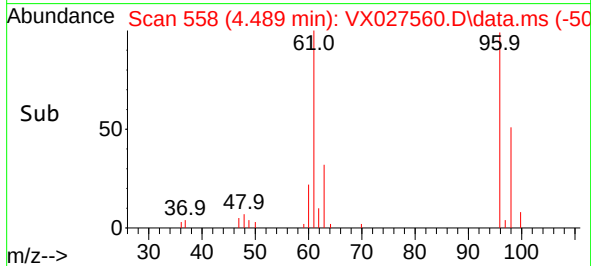
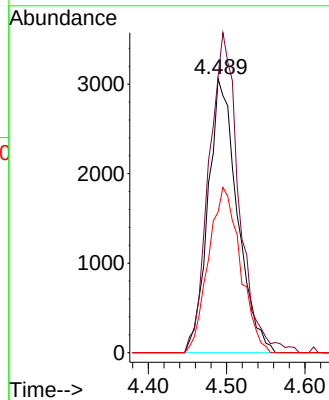
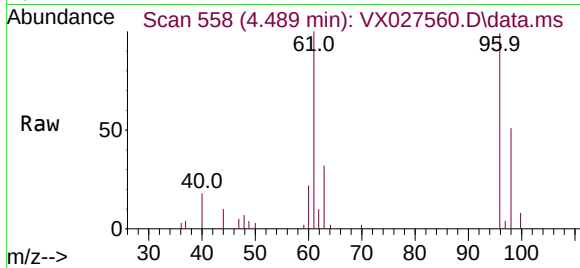
Tgt Ion: 96 Resp: 7934

Ion Ratio Lower Upper

96 100

61 119.9 0.0 283.8

98 65.6 0.0 129.8



#28

Bromochloromethane

Concen: 0.351 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.207 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

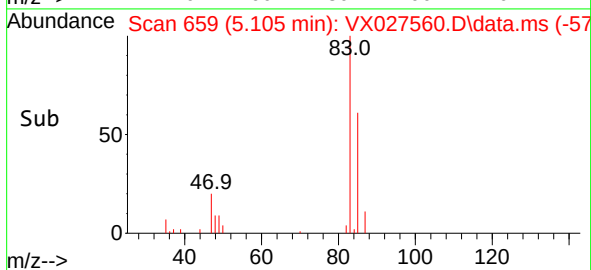
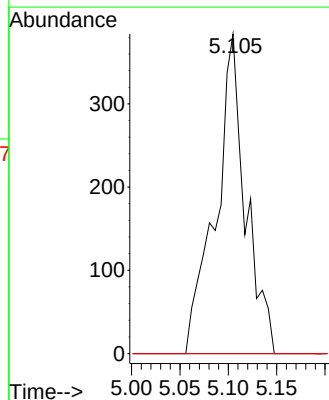
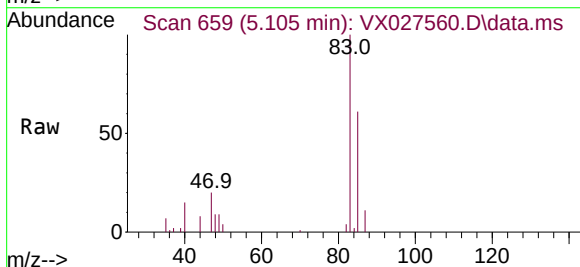
Tgt Ion: 49 Resp: 824

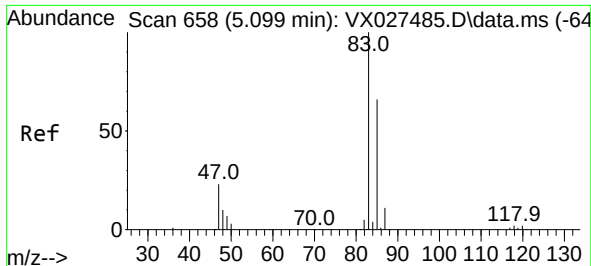
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 70.7 106.1#





#30

Chloroform

Concen: 2.026 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

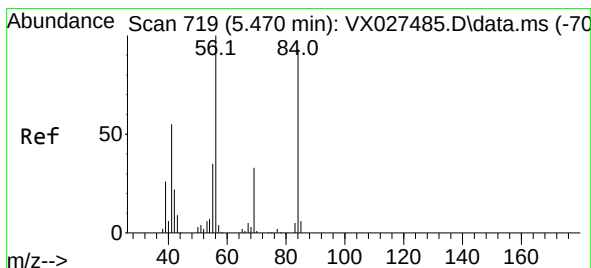
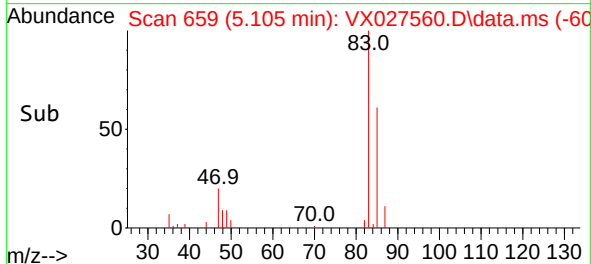
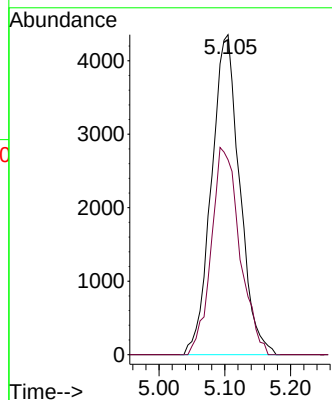
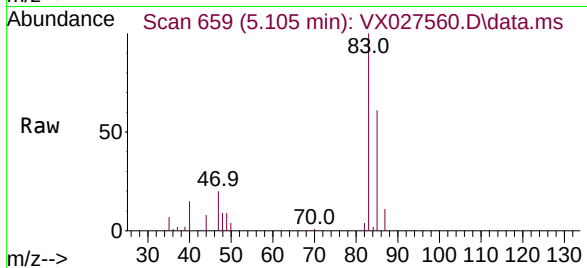
RE-132D1-20220315

Tgt Ion: 83 Resp: 13002

Ion Ratio Lower Upper

83 100

85 60.9 52.7 79.1



#31

Cyclohexane

Concen: 1.114 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

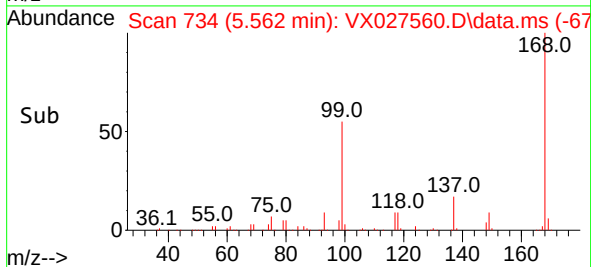
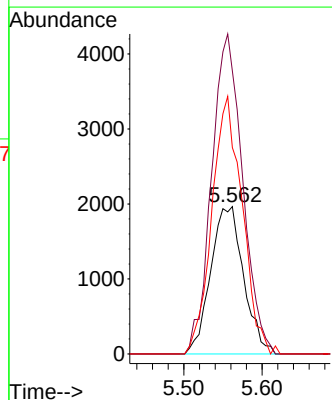
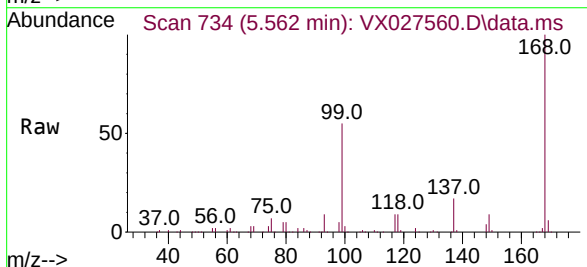
Tgt Ion: 56 Resp: 5744

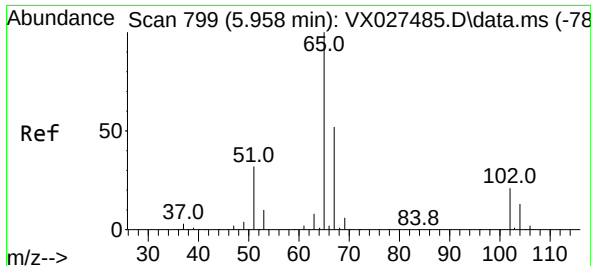
Ion Ratio Lower Upper

56 100

69 192.0 26.7 40.1#

84 140.0 77.2 115.8#

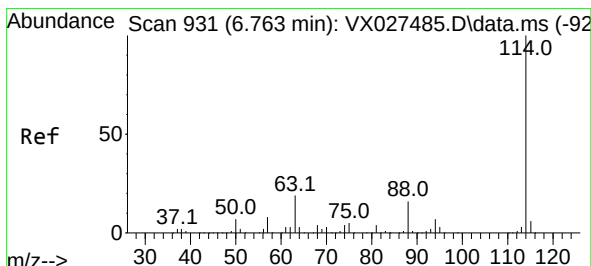
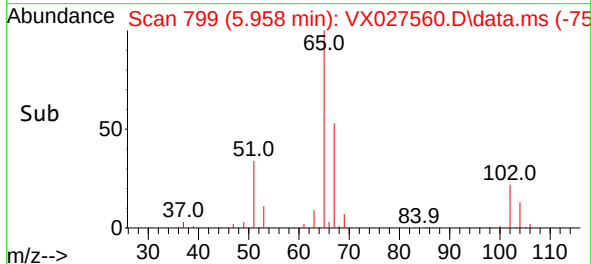
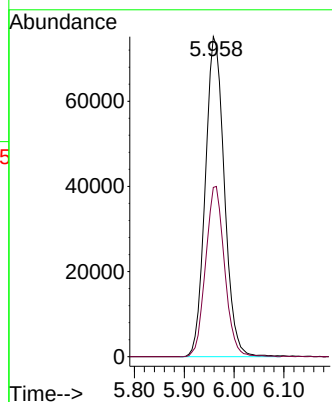
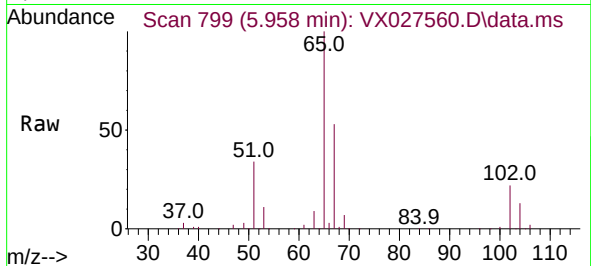




#33
 1,2-Dichloroethane-d4
 Concen: 48.113 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX027560.D
 Acq: 19 Mar 2022 15:10

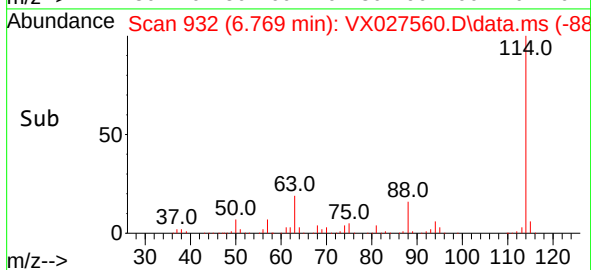
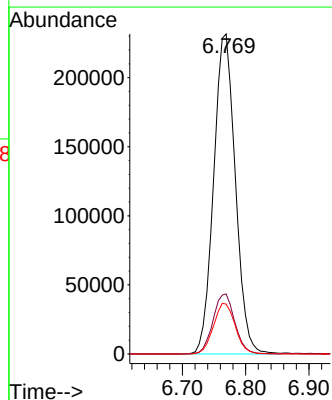
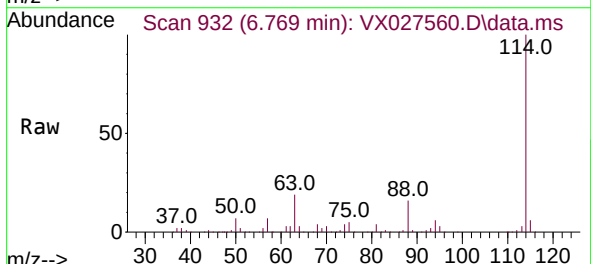
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D1-20220315

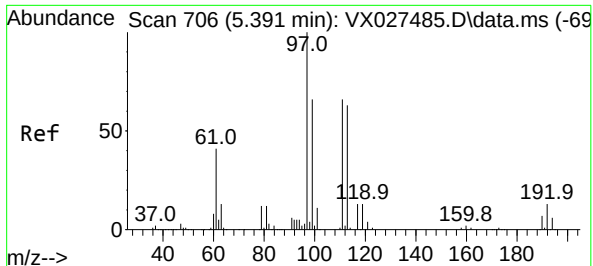
Tgt Ion: 65 Resp: 199784
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX027560.D
 Acq: 19 Mar 2022 15:10

Tgt Ion: 114 Resp: 551092
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.8
 88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.039 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

RE-132D1-20220315

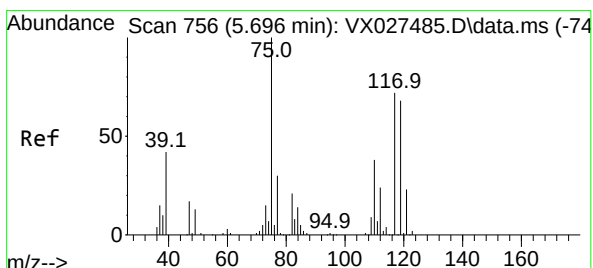
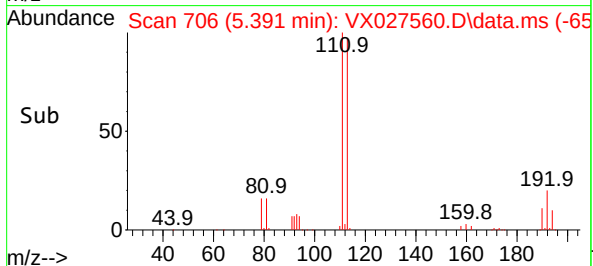
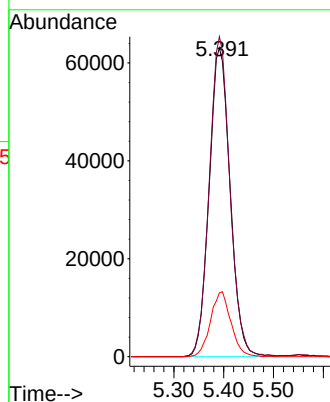
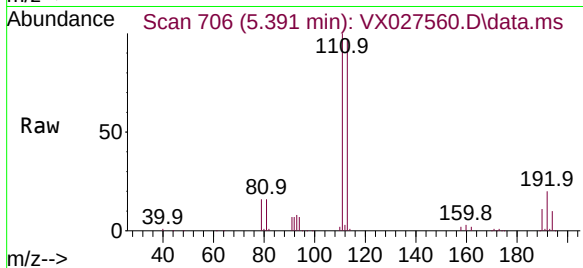
Tgt Ion:113 Resp: 184510

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

192 20.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.809 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

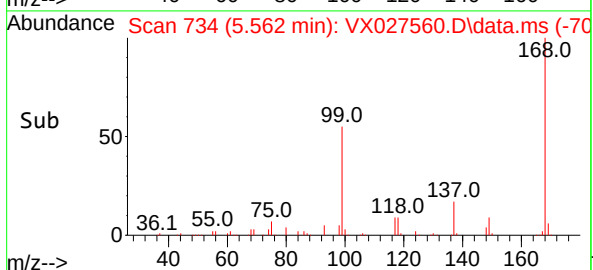
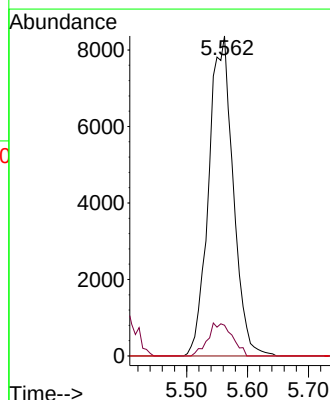
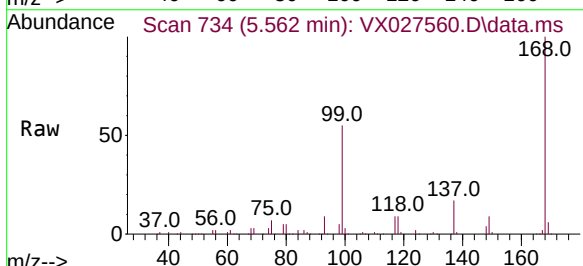
Tgt Ion: 75 Resp: 23299

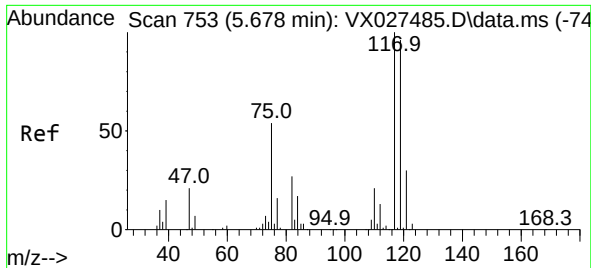
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

77 0.0 24.8 37.2#

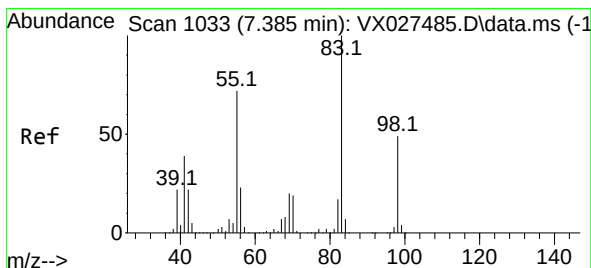
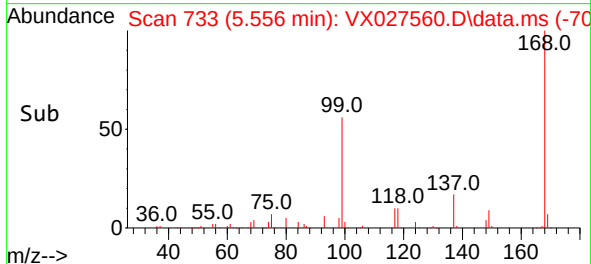
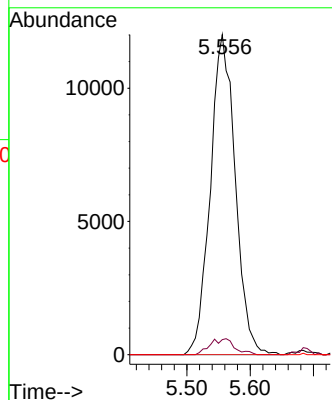
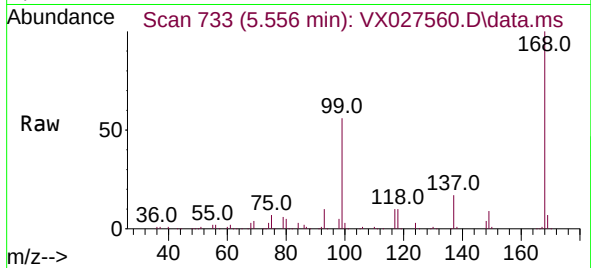




#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

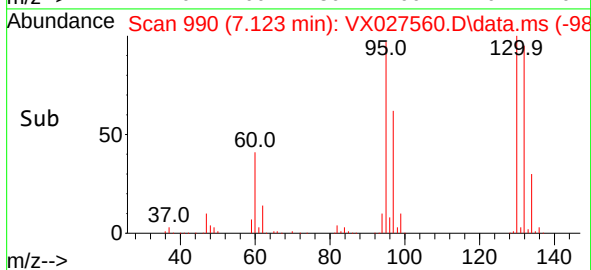
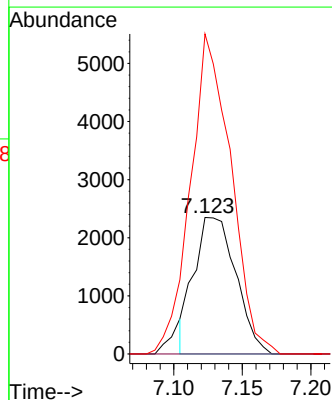
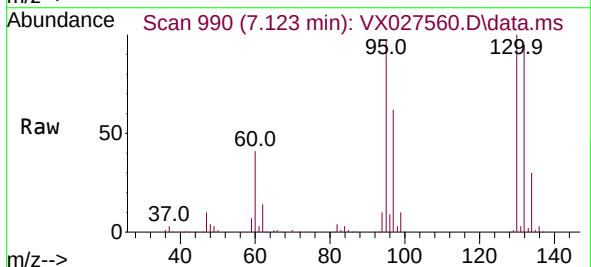
Instrument :
MSVOA_X
ClientSampleId :
RE-132D1-20220315

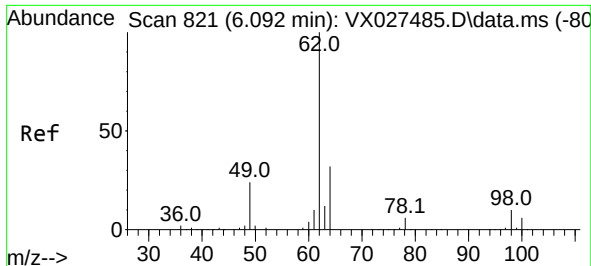
Tgt Ion:117 Resp: 32882
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.820 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt Ion: 83 Resp: 4994
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 234.3 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 0.318 ug/l

RT: 6.105 min Scan# 821

Delta R.T. 0.012 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

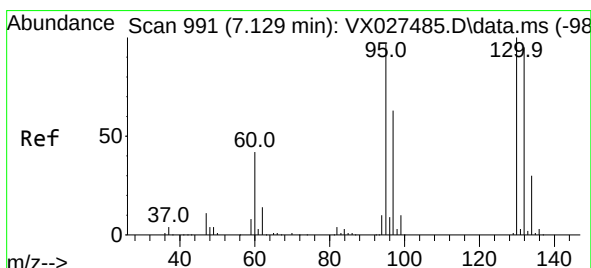
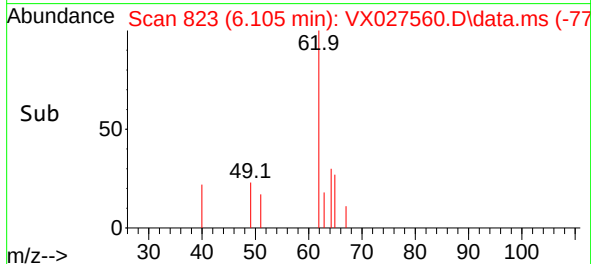
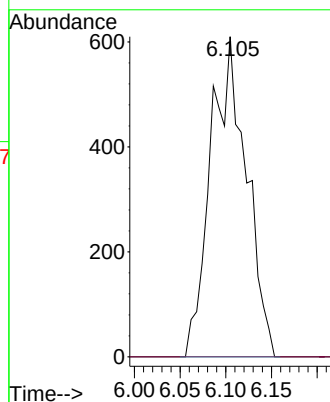
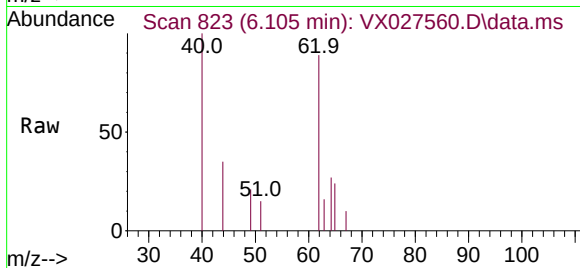
RE-132D1-20220315

Tgt Ion: 62 Resp: 1656

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#44

Trichloroethene

Concen: 112.731 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX027560.D

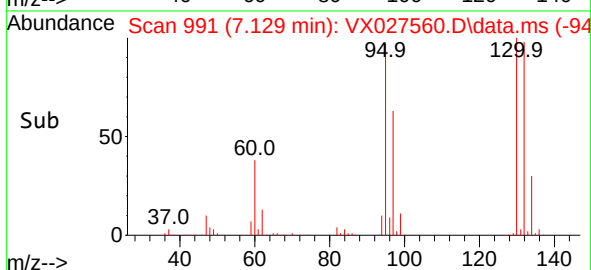
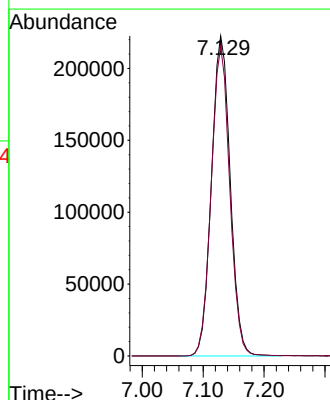
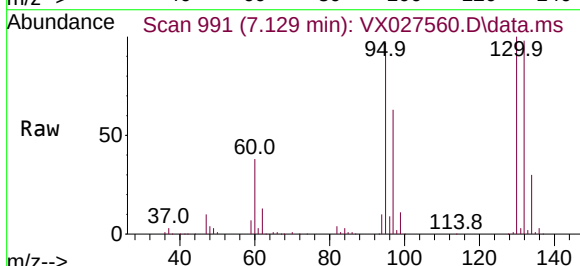
Acq: 19 Mar 2022 15:10

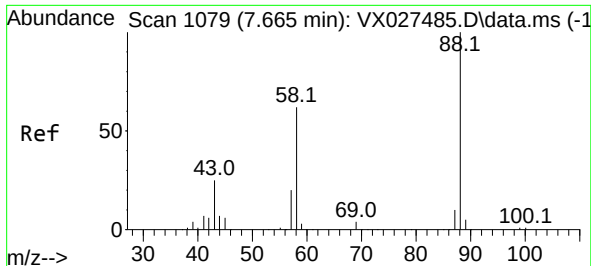
Tgt Ion:130 Resp: 475705

Ion Ratio Lower Upper

130 100

95 96.7 0.0 188.8





#49

1,4-Dioxane

Concen: 10.570 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX027560.D

Acq: 19 Mar 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

RE-132D1-20220315

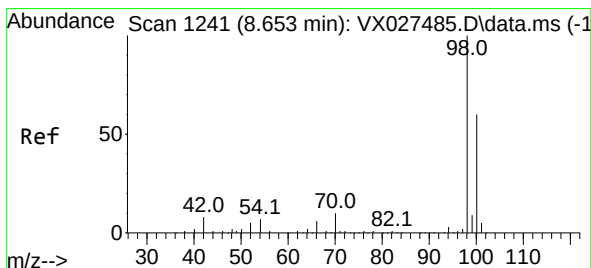
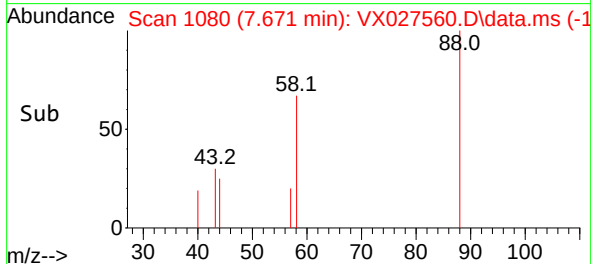
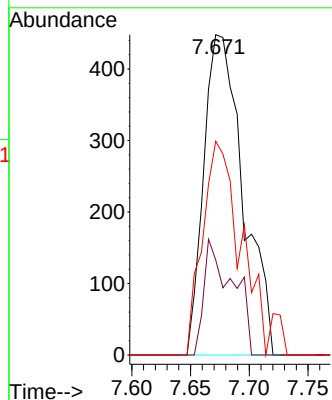
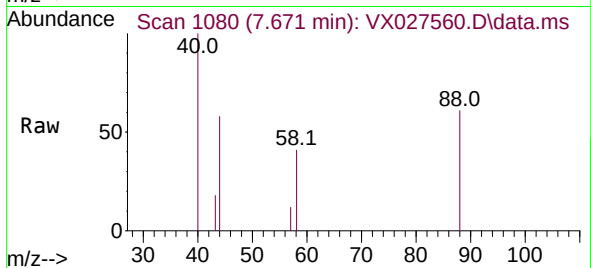
Tgt Ion: 88 Resp: 1044

Ion Ratio Lower Upper

88 100

43 26.3 21.9 32.9

58 67.9 53.7 80.5



#50

Toluene-d8

Concen: 48.447 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX027560.D

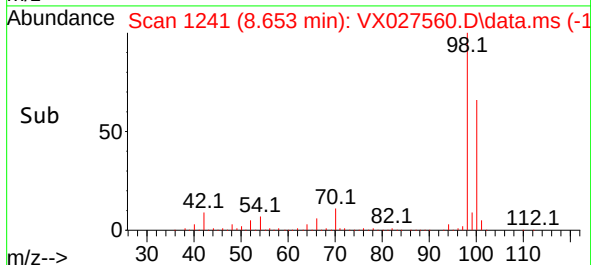
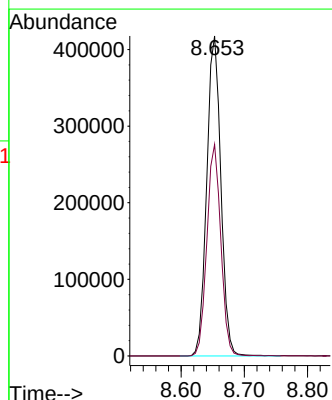
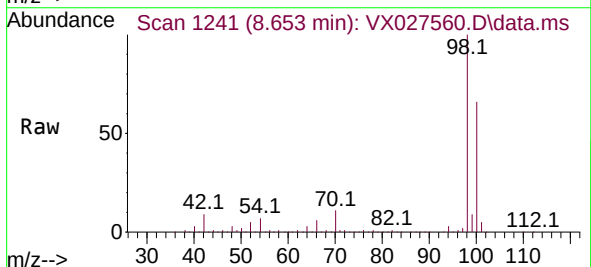
Acq: 19 Mar 2022 15:10

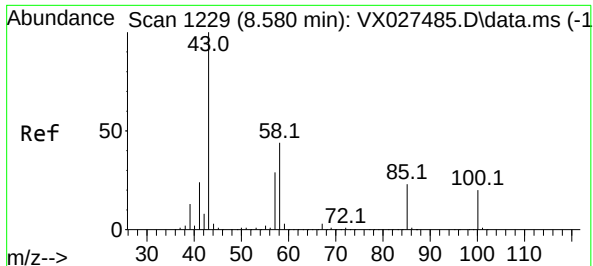
Tgt Ion: 98 Resp: 650013

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8

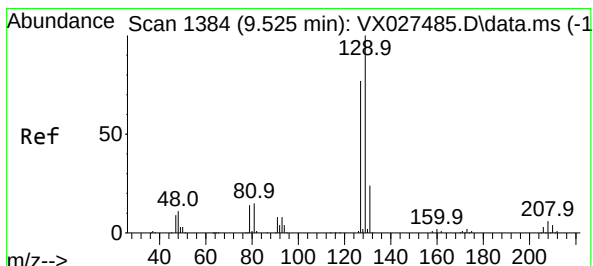
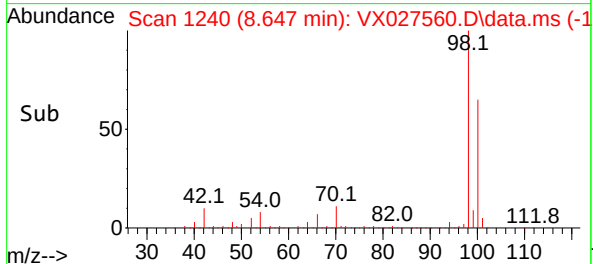
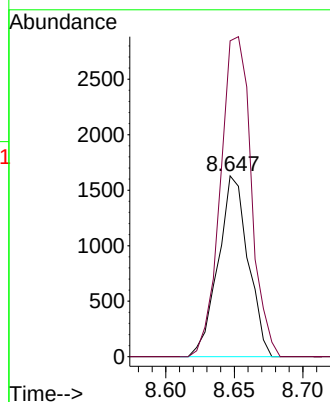
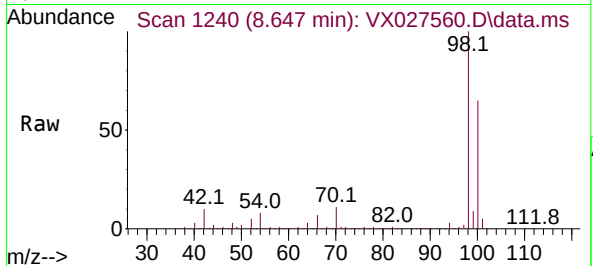




#51
4-Methyl-2-Pentanone
Concen: 0.499 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

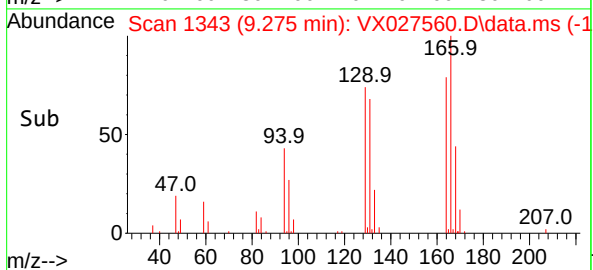
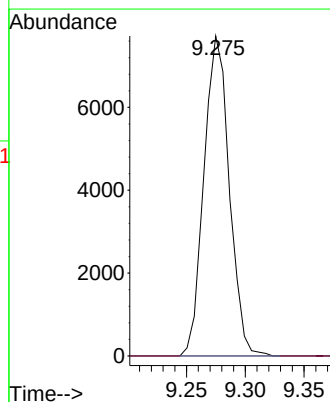
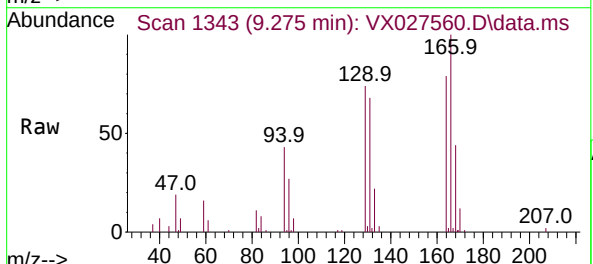
Instrument :
MSVOA_X
ClientSampleId :
RE-132D1-20220315

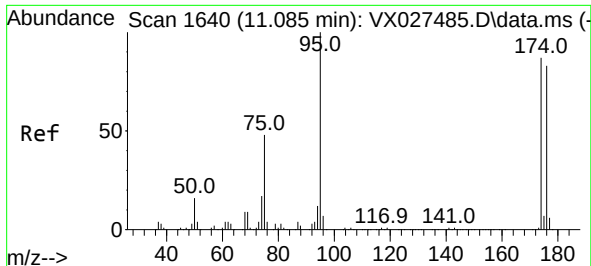
Tgt Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
58 182.4 36.1 54.1#



#60
Dibromochloromethane
Concen: 2.778 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt Ion: 129 Resp: 11600
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#

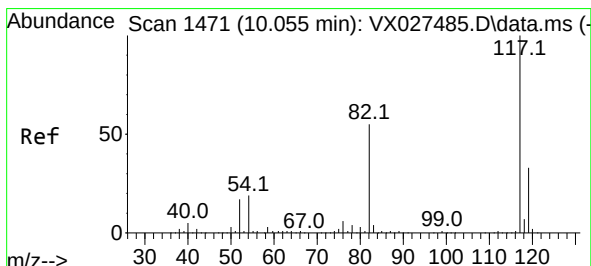
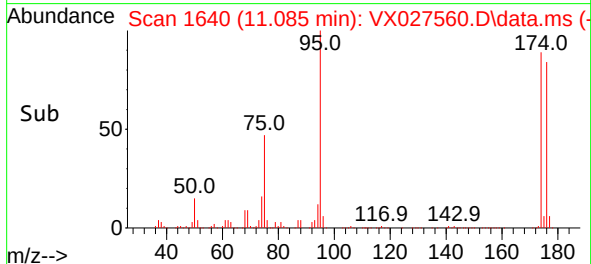
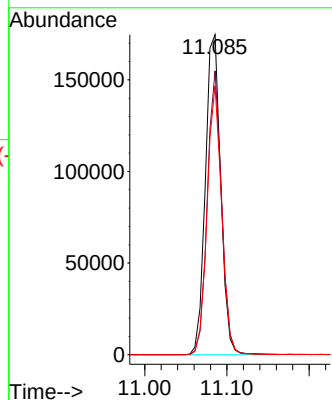
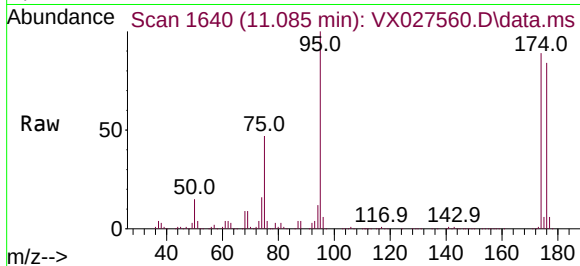




#62
4-Bromofluorobenzene
Concen: 45.780 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

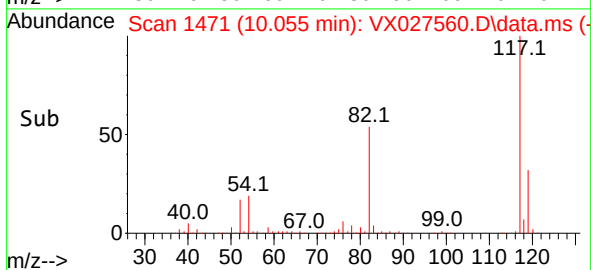
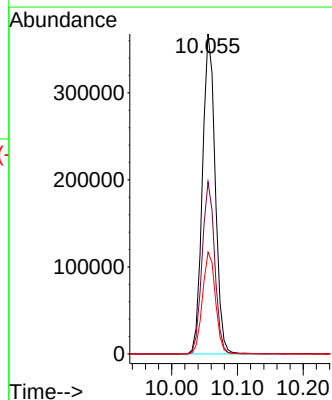
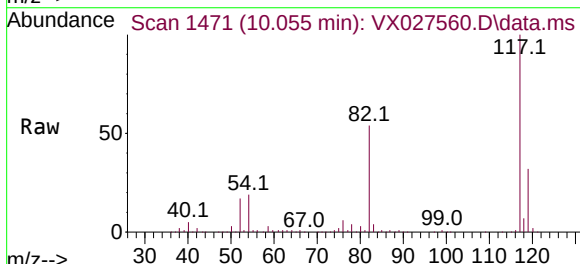
Instrument :
MSVOA_X
ClientSampleId :
RE-132D1-20220315

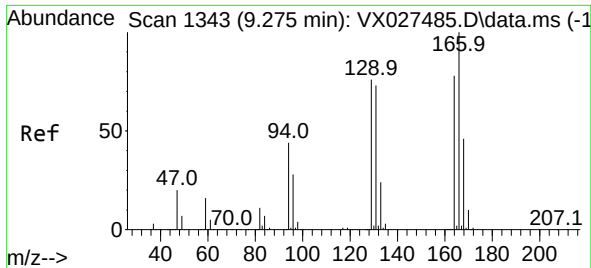
Tgt Ion: 95 Resp: 225764
Ion Ratio Lower Upper
95 100
174 82.9 0.0 163.0
176 79.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt Ion: 117 Resp: 498263
Ion Ratio Lower Upper
117 100
82 53.8 41.8 62.8
119 31.8 24.8 37.2

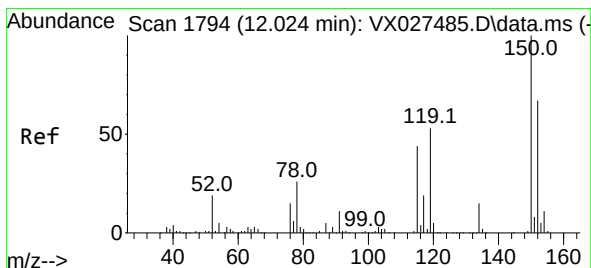
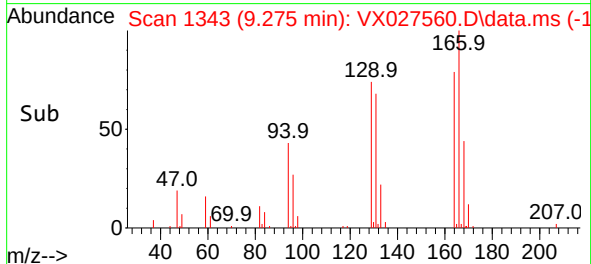
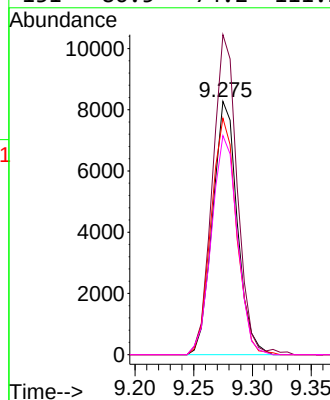
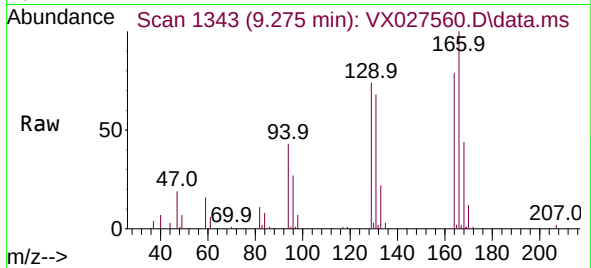




#64
Tetrachloroethene
Concen: 3.112 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

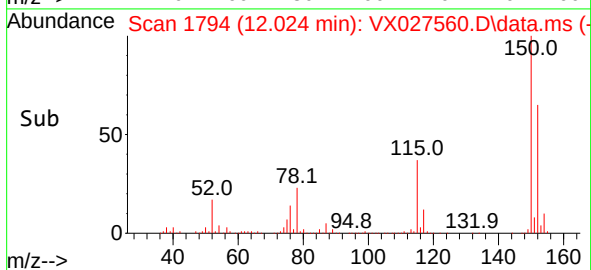
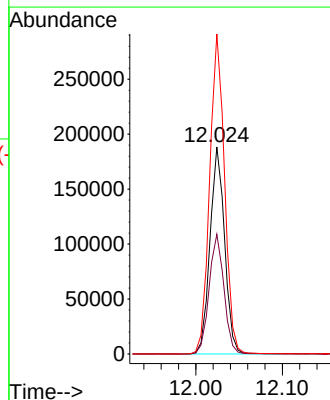
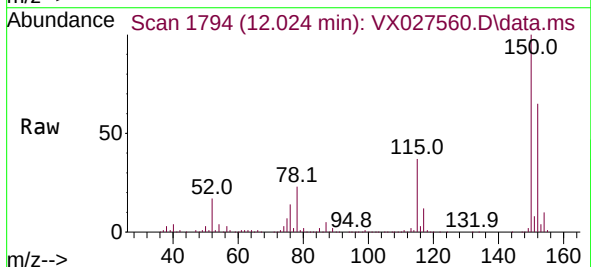
Instrument :
MSVOA_X
ClientSampleId :
RE-132D1-20220315

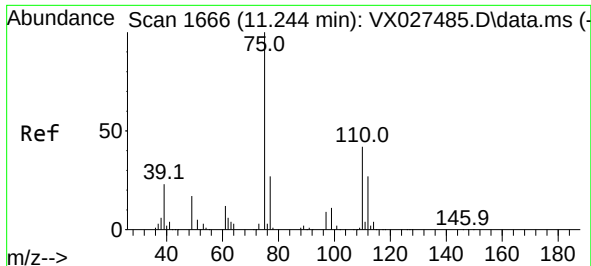
Tgt	Ion:164	Resp:	12055
Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.2	151.8
129	93.4	73.0	109.4
131	86.5	74.2	111.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt Ion:152	Resp:	220698	
Ion	Ratio	Lower	Upper
152	100		
115	58.5	37.5	112.7
150	157.3	0.0	338.2

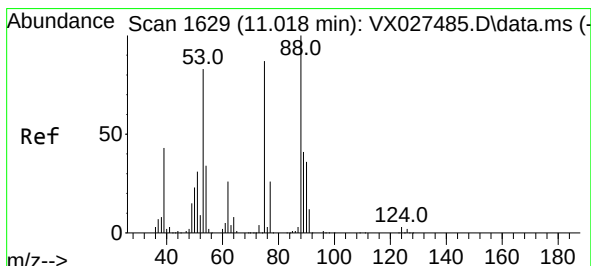
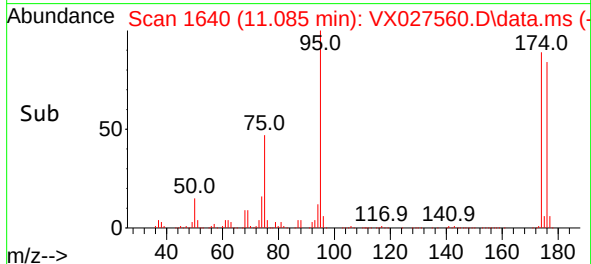
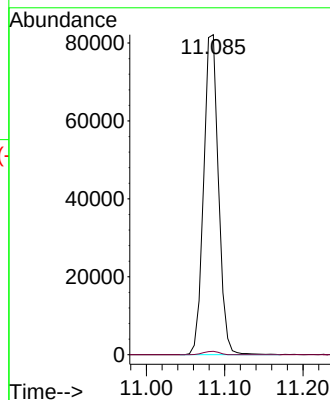
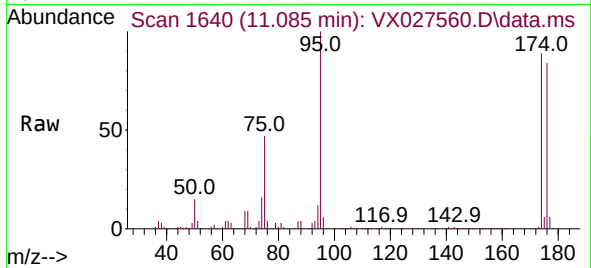




#76
1,2,3-Trichloropropane
Concen: 23.345 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Instrument :
MSVOA_X
ClientSampleId :
RE-132D1-20220315

Tgt Ion: 75 Resp: 107767
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.900 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027560.D
Acq: 19 Mar 2022 15:10

Tgt Ion: 75 Resp: 107767
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

