

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082722\
 Data File : VX030902.D
 Acq On : 28 Aug 2022 04:48
 Operator : JC/MD
 Sample : N4360-7
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D1-20220824

Quant Time: Aug 29 01:16:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

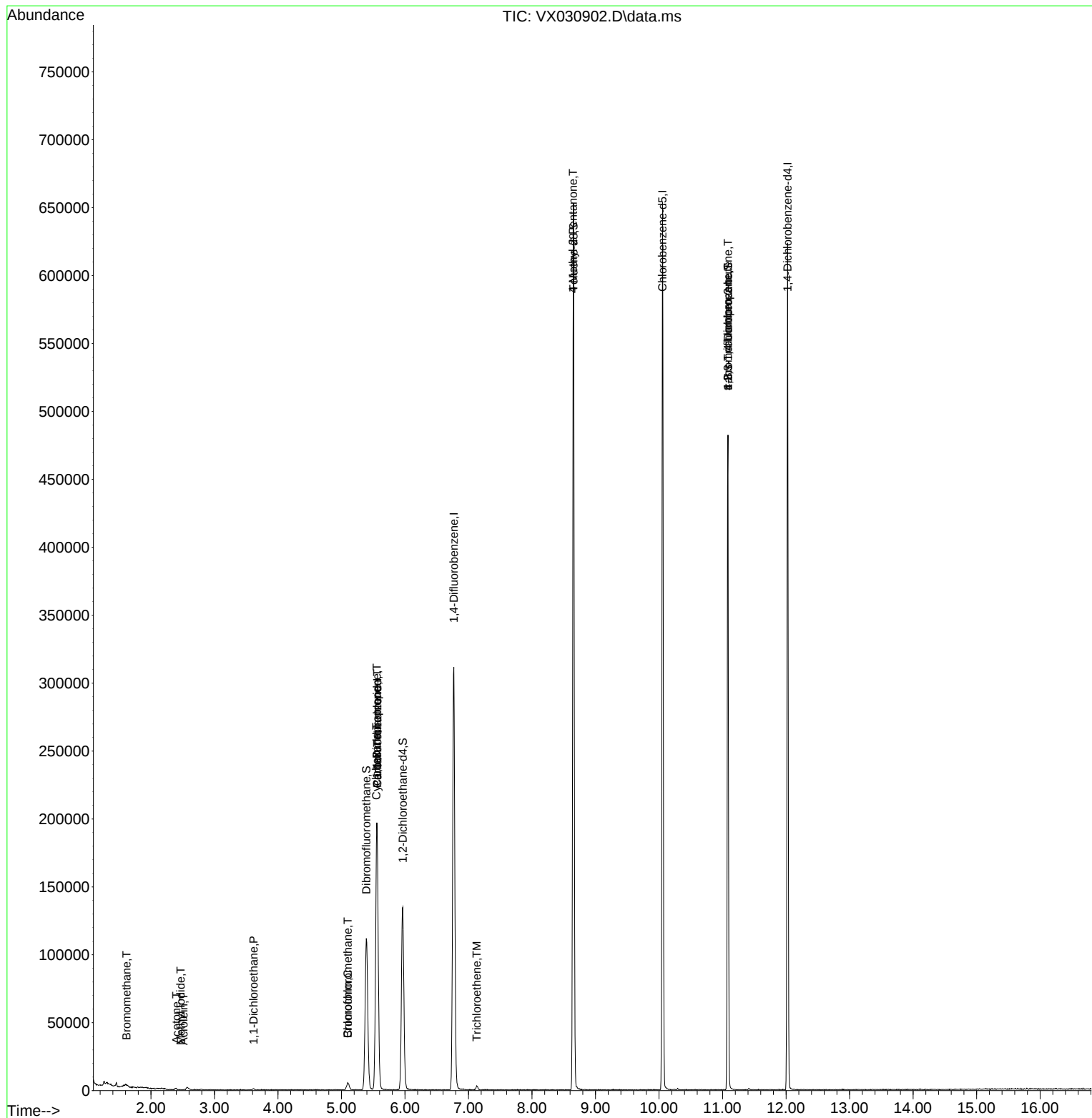
Internal Standards						
1) Pentafluorobenzene	5.562	168	175317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	303655	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	275553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	133962	64.961	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 129.920%#		
35) Dibromofluoromethane	5.391	113	97767	52.388	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.780%		
50) Toluene-d8	8.653	98	368837	56.717	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 113.440%#		
62) 4-Bromofluorobenzene	11.085	95	123714	51.098	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 102.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	291	Below Cal	#	42
4) Vinyl Chloride	1.453	62	29	Below Cal	#	43
5) Bromomethane	1.618	94	323	0.395	ug/l #	40
6) Chloroethane	1.672	64	231	Below Cal	#	41
10) Methyl Iodide	2.465	142	43	4.057	ug/l #	71
13) Acrolein	2.514	56	22	10.106	ug/l #	14
16) Acetone	2.398	43	1242	1.303	ug/l #	71
17) Carbon Disulfide	2.508	76	149	Below Cal	#	74
20) Methylene Chloride	2.788	84	222	Below Cal	#	76
24) 1,1-Dichloroethane	3.617	63	1214	0.363	ug/l #	82
28) Bromochloromethane	5.099	49	400	0.278	ug/l #	12
30) Chloroform	5.099	83	6169	1.751	ug/l	92
31) Cyclohexane	5.550	56	4540	1.722	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	15776	6.208	ug/l #	48
38) Carbon Tetrachloride	5.562	117	18507	6.904	ug/l #	18
44) Trichloroethene	7.129	130	1150	0.524	ug/l	88
51) 4-Methyl-2-Pentanone	8.647	43	1849	0.605	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	67058	26.288	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	67058	84.818	ug/l #	13

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

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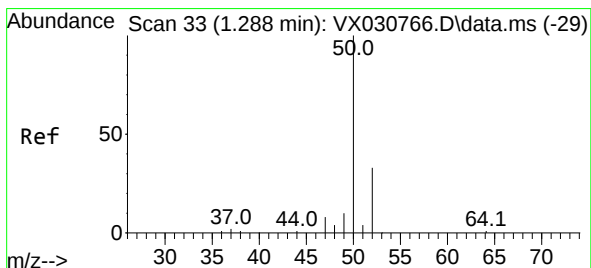
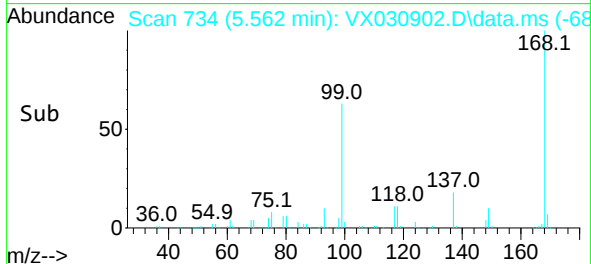
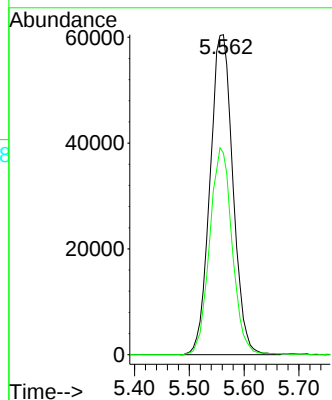
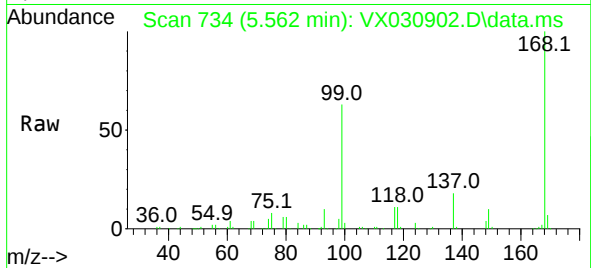




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

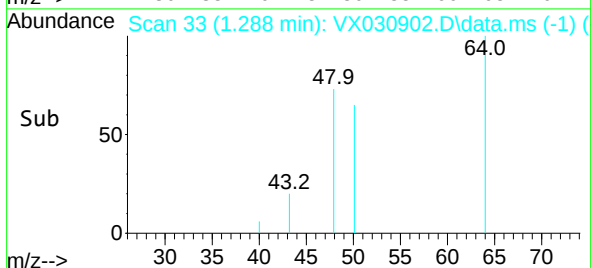
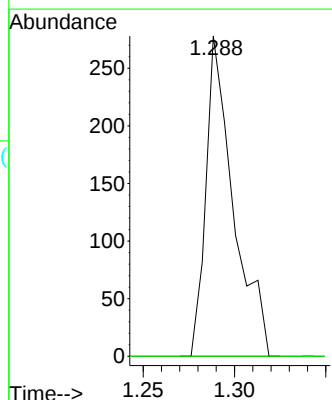
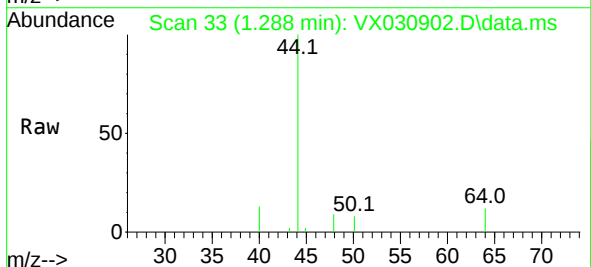
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20220824

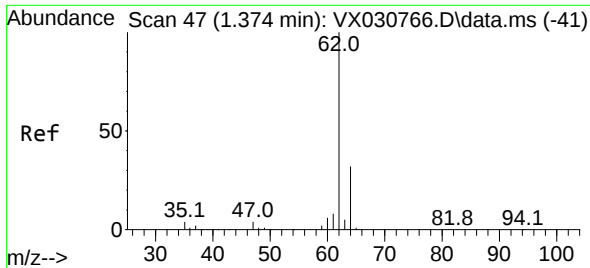
Tgt Ion:168 Resp: 175317
Ion Ratio Lower Upper
168 100
99 63.0 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

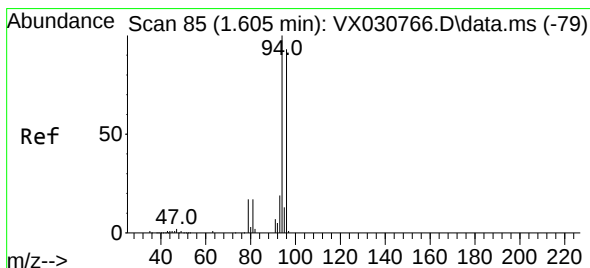
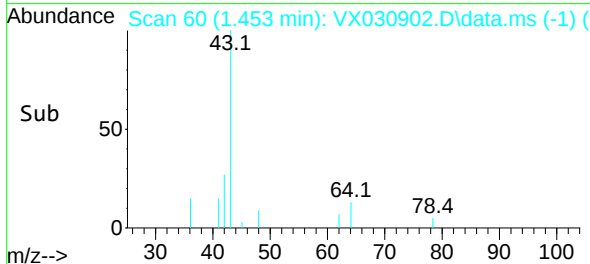
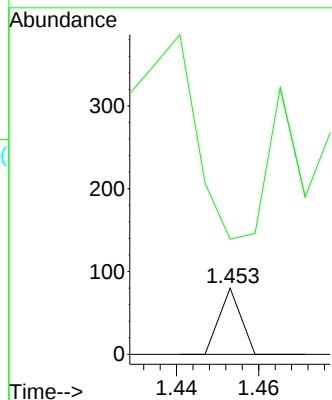
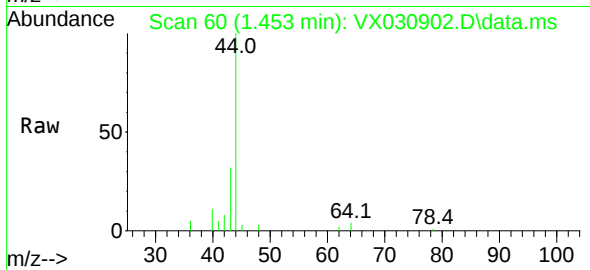




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.453 min Scan# 60
 Delta R.T. 0.079 min
 Lab File: VX030902.D
 Acq: 28 Aug 2022 04:48

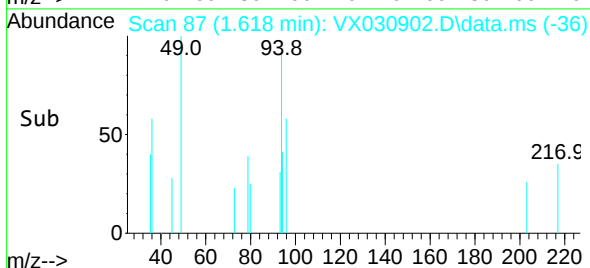
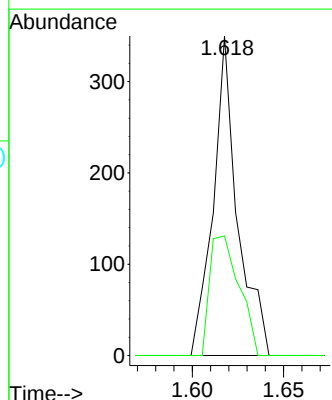
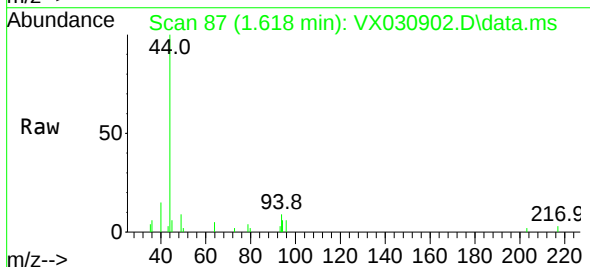
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D1-20220824

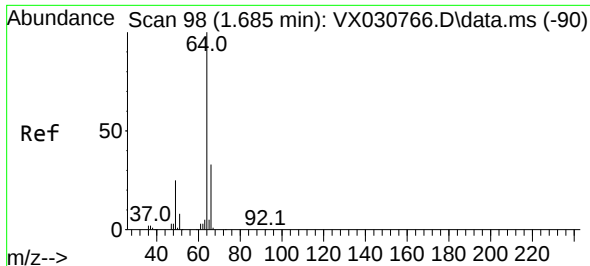
Tgt Ion: 62 Resp: 29
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#5
 Bromomethane
 Concen: 0.395 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.012 min
 Lab File: VX030902.D
 Acq: 28 Aug 2022 04:48

Tgt Ion: 94 Resp: 323
 Ion Ratio Lower Upper
 94 100
 96 37.4 76.9 115.3#

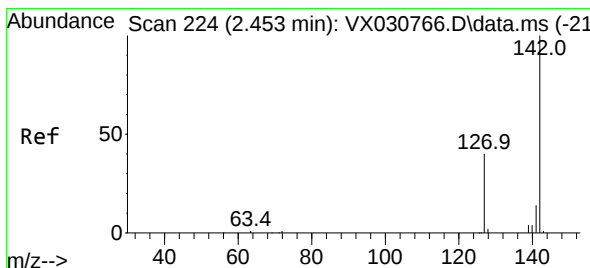
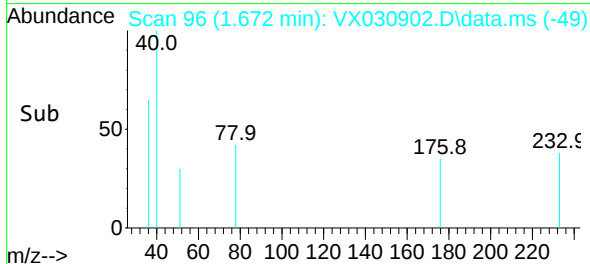
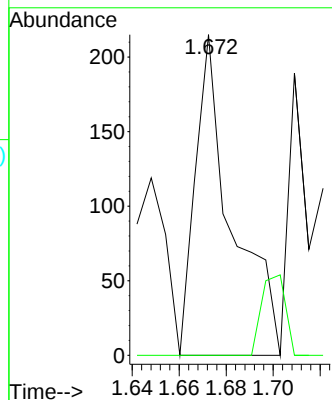
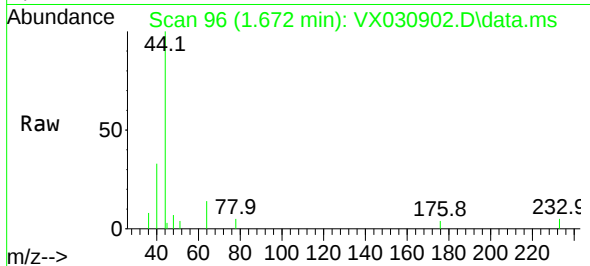




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

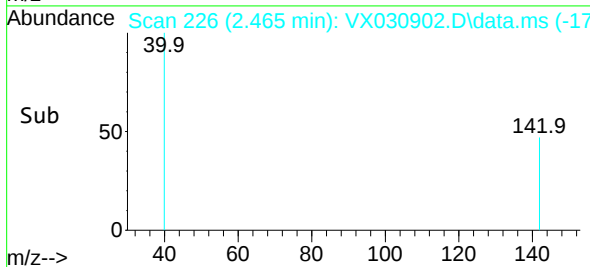
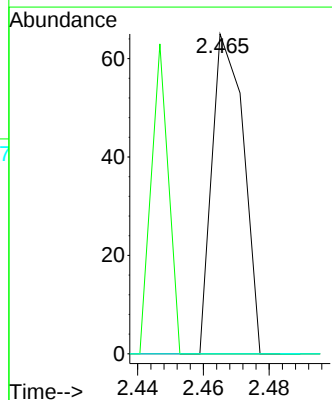
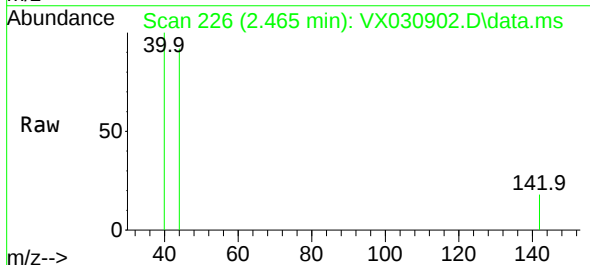
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20220824

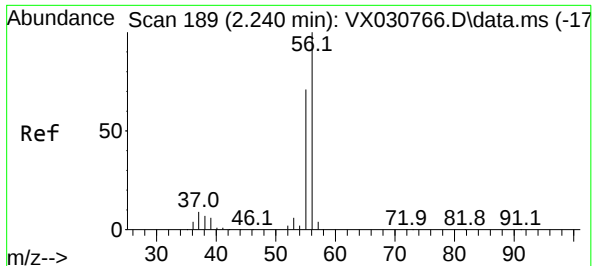
Tgt Ion: 64 Resp: 231
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.057 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Tgt Ion: 142 Resp: 43
Ion Ratio Lower Upper
142 100
127 53.5 30.2 45.2#
141 0.0 11.3 16.9#

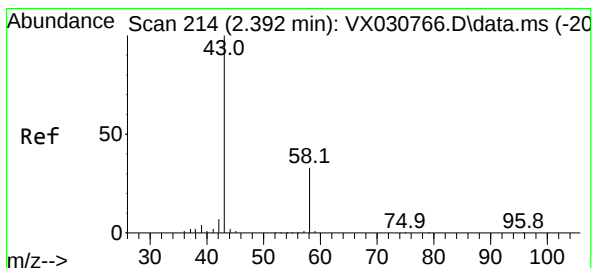
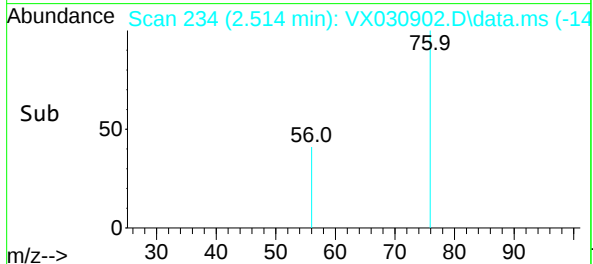
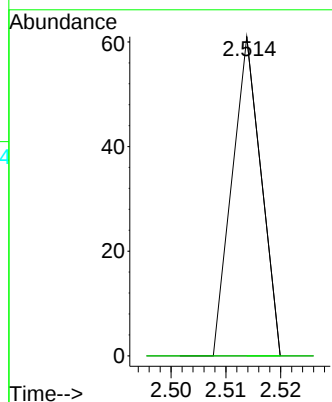
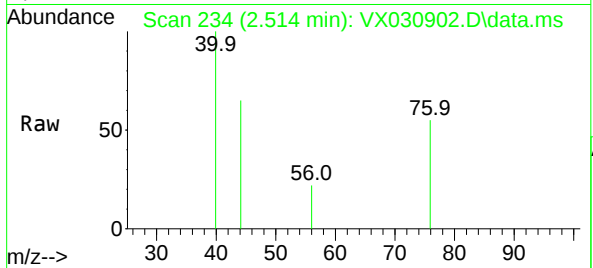




#13
Acrolein
Concen: 10.106 ug/l
RT: 2.514 min Scan# 215
Delta R.T. 0.274 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

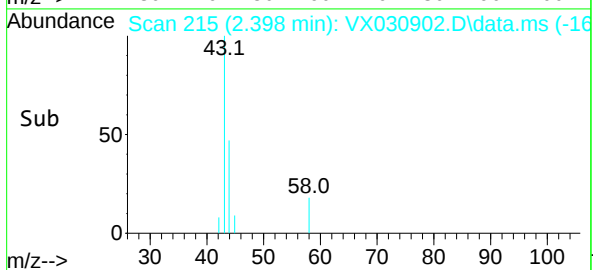
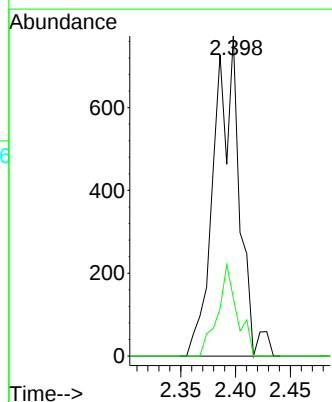
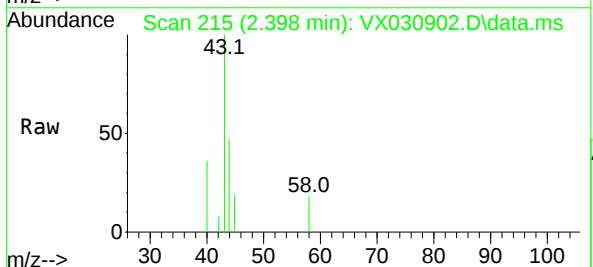
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20220824

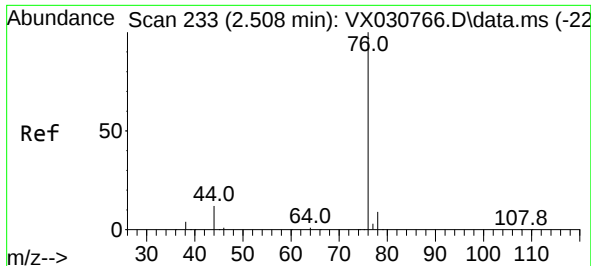
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.303 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
58 18.1 27.7 41.5#

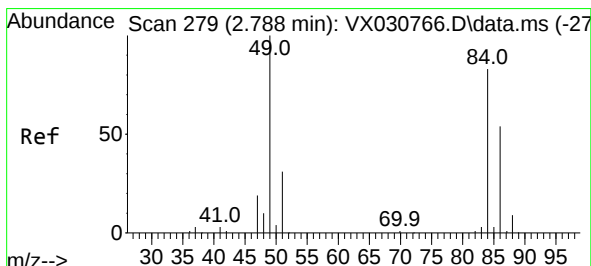
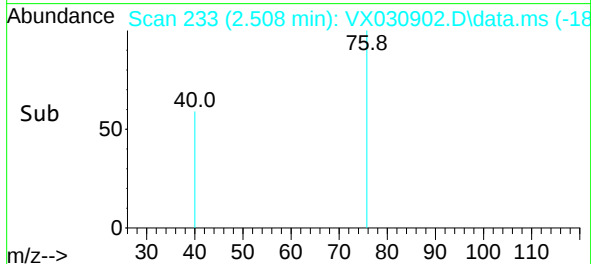
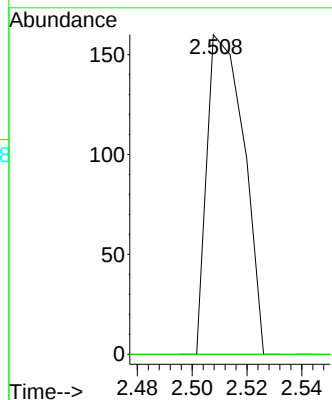
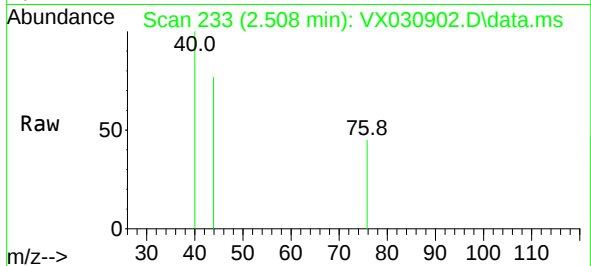




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

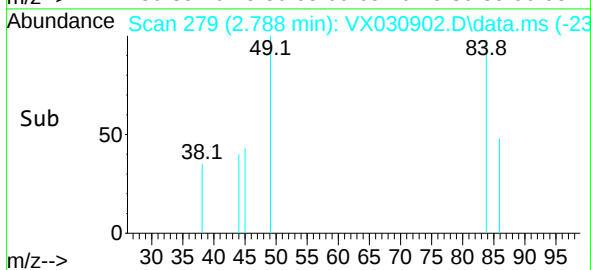
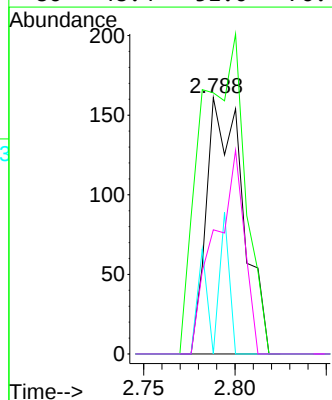
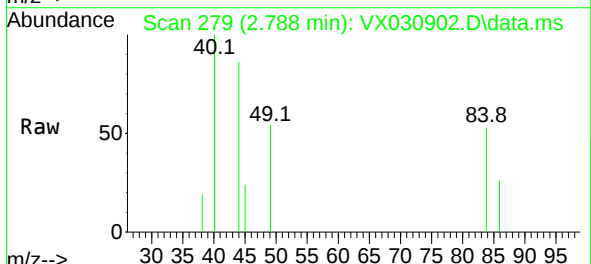
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20220824

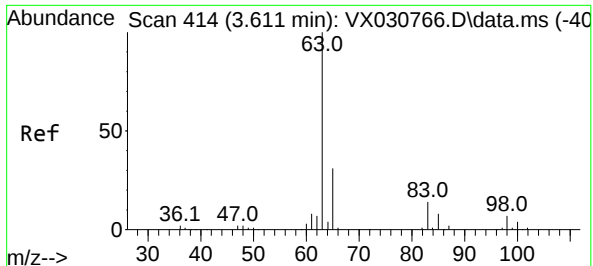
Tgt Ion: 76 Resp: 149
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Tgt Ion: 84 Resp: 222
Ion Ratio Lower Upper
84 100
49 101.9 93.8 140.6
51 0.0 29.4 44.0#
86 48.4 51.0 76.4#





#24

1,1-Dichloroethane

Concen: 0.363 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX030902.D

Acq: 28 Aug 2022 04:48

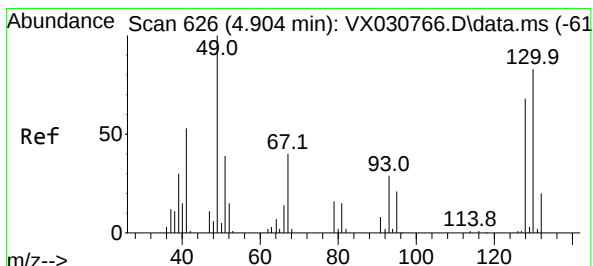
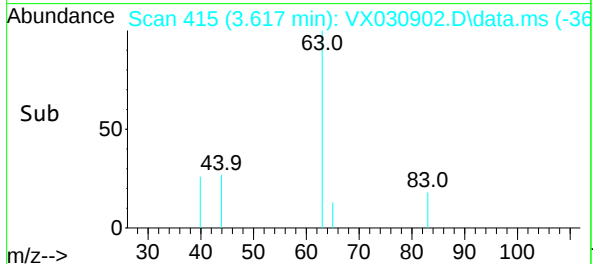
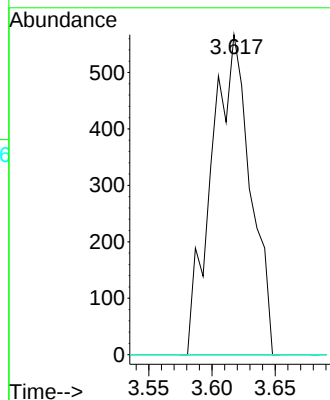
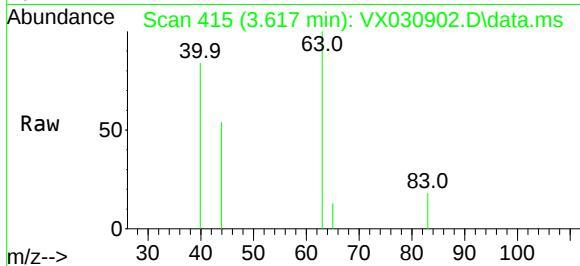
Instrument :

MSVOA_X

ClientSampleId :

RE135D1-20220824

Tgt Ion: 63	Resp:	1214
Ion Ratio	Lower	Upper
63	100	
98	0.0	3.5 10.5#
100	0.0	2.3 6.9#



#28

Bromochloromethane

Concen: 0.278 ug/l

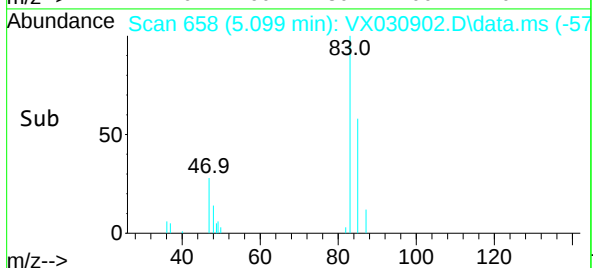
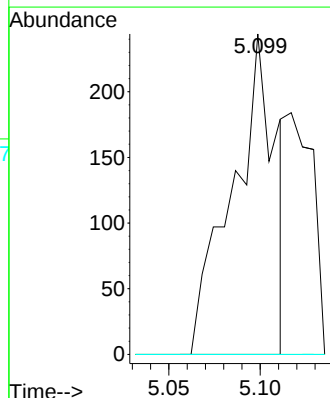
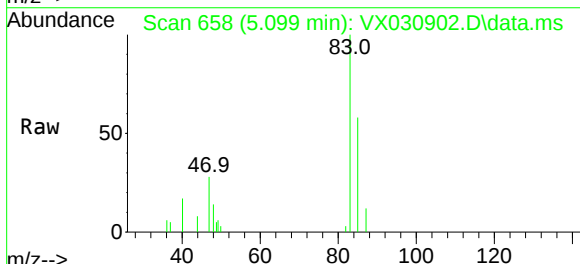
RT: 5.099 min Scan# 658

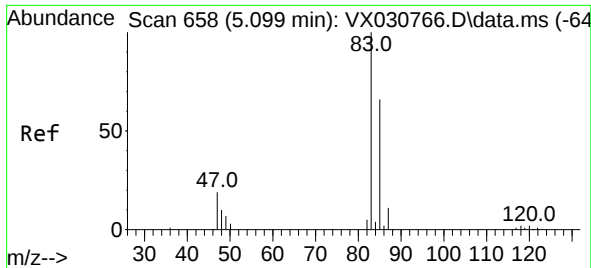
Delta R.T. 0.195 min

Lab File: VX030902.D

Acq: 28 Aug 2022 04:48

Tgt Ion: 49	Resp:	400
Ion Ratio	Lower	Upper
49	100	
129	0.0	0.0 4.4
130	0.0	62.8 94.2#

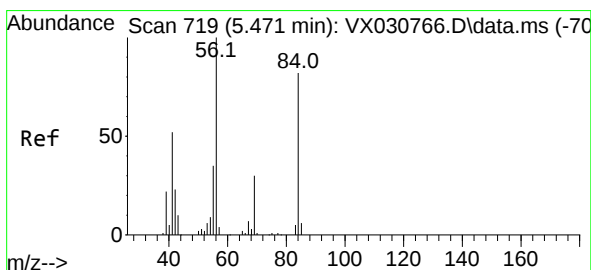
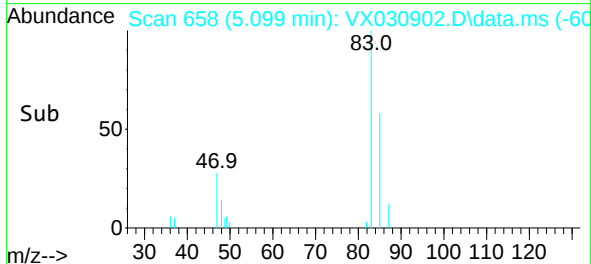
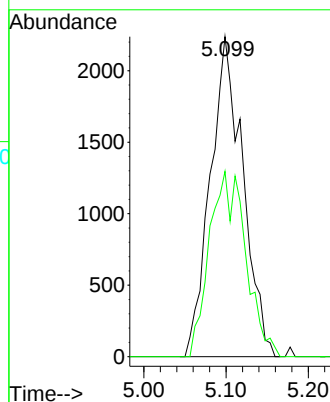
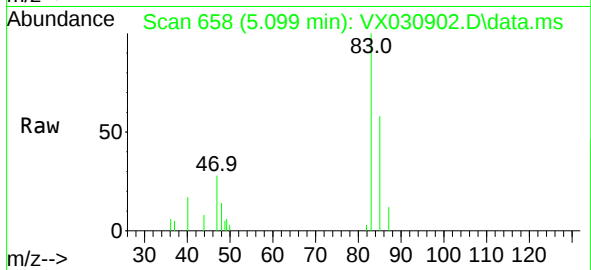




#30
Chloroform
Concen: 1.751 ug/l
RT: 5.099 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

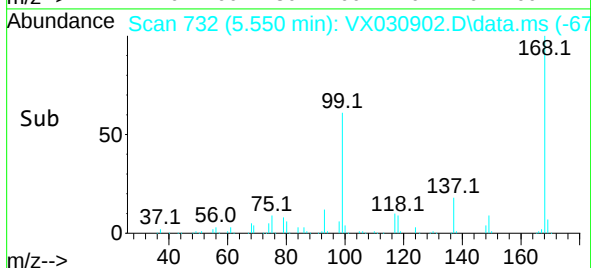
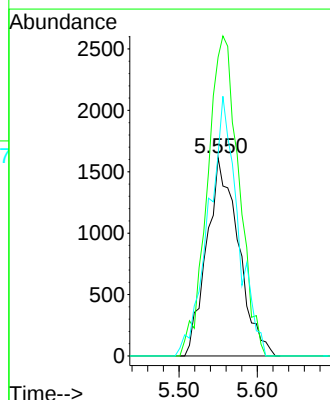
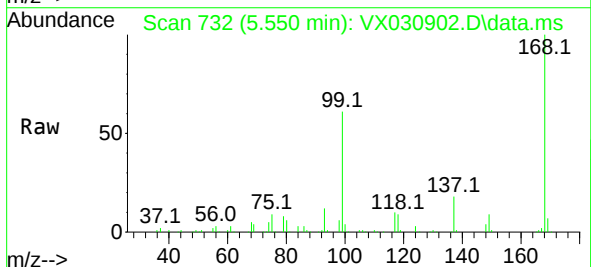
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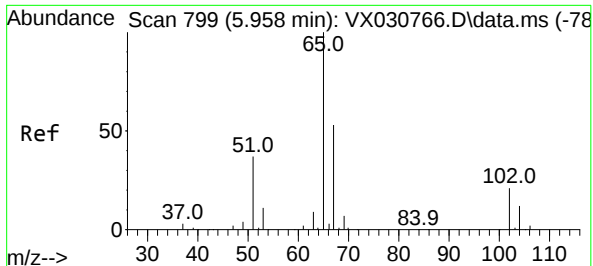
Tgt Ion: 83 Resp: 6169
Ion Ratio Lower Upper
83 100
85 57.9 51.5 77.3



#31
Cyclohexane
Concen: 1.722 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Tgt Ion: 56 Resp: 4540
Ion Ratio Lower Upper
56 100
69 150.7 25.4 38.0#
84 101.5 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 64.961 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030902.D

Acq: 28 Aug 2022 04:48

Instrument :

MSVOA_X

ClientSampleId :

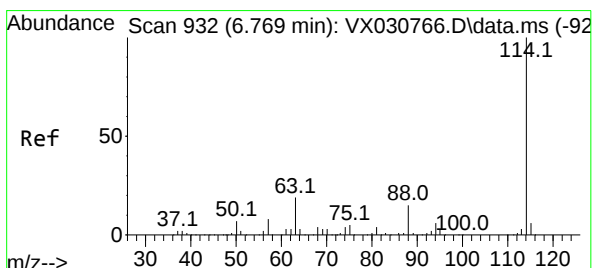
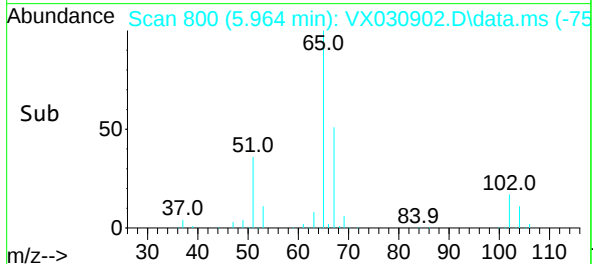
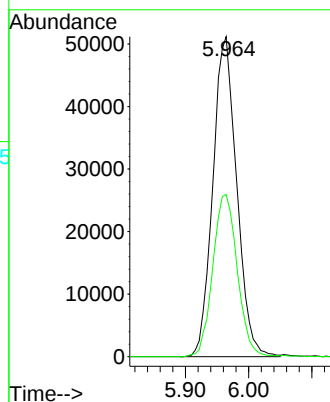
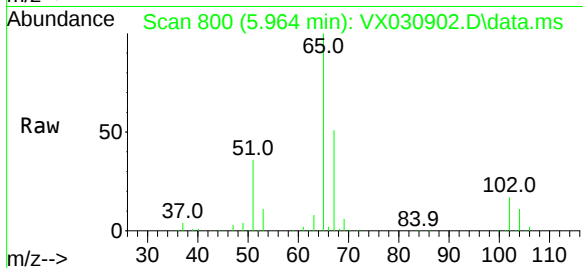
RE135D1-20220824

Tgt Ion: 65 Resp: 133962

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030902.D

Acq: 28 Aug 2022 04:48

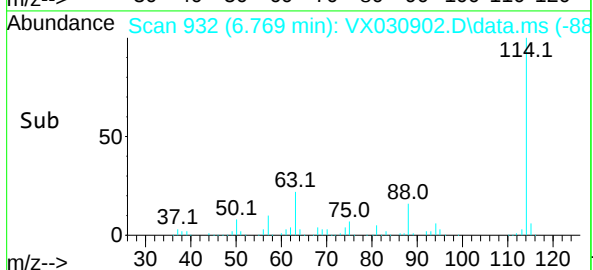
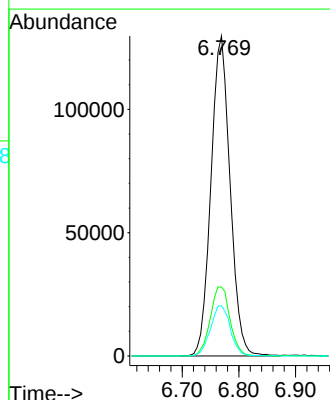
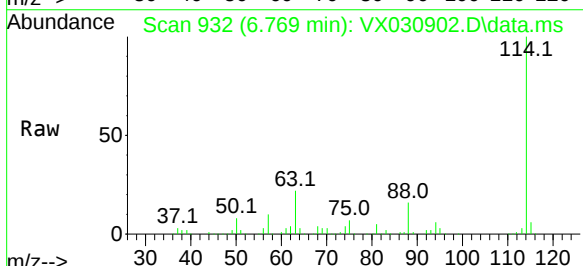
Tgt Ion: 114 Resp: 303655

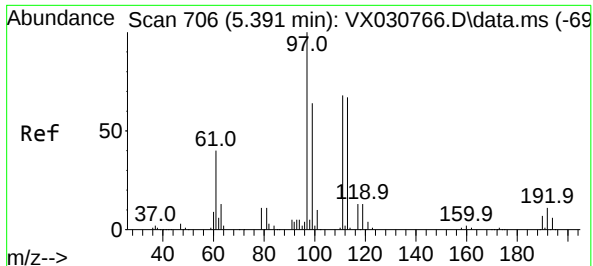
Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.4

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.388 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030902.D

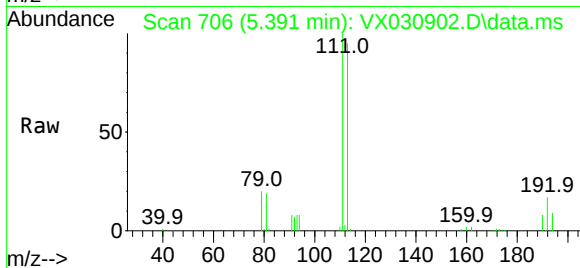
Acq: 28 Aug 2022 04:48

Instrument :

MSVOA_X

ClientSampleId :

RE135D1-20220824



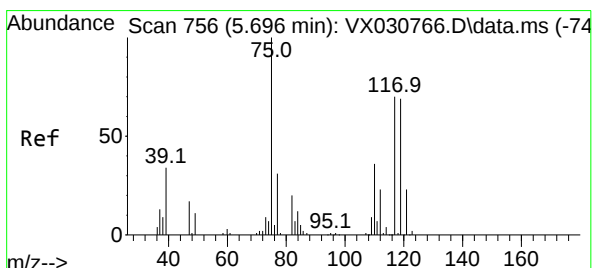
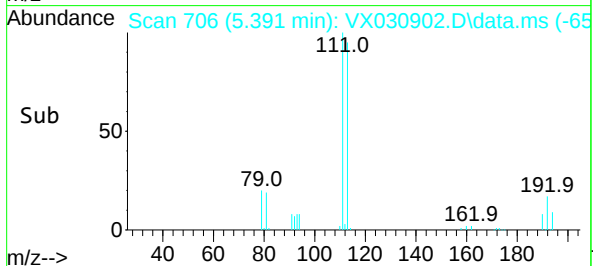
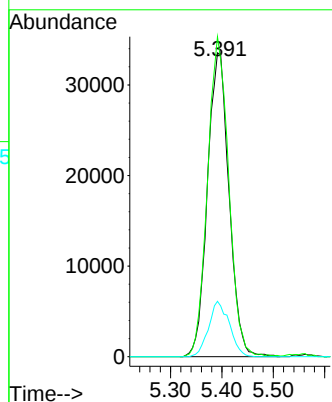
Tgt Ion:113 Resp: 97767

Ion Ratio Lower Upper

113 100

111 103.5 83.2 124.8

192 17.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 6.208 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030902.D

Acq: 28 Aug 2022 04:48

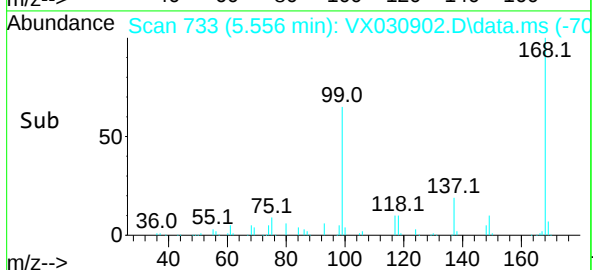
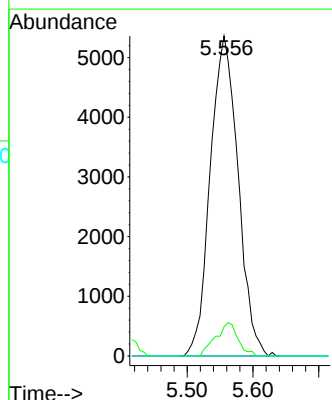
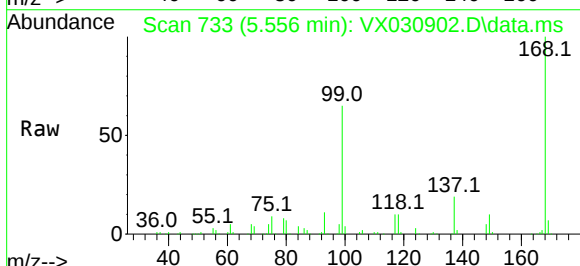
Tgt Ion: 75 Resp: 15776

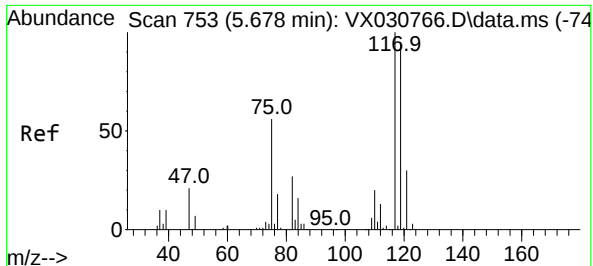
Ion Ratio Lower Upper

75 100

110 8.4 19.3 57.9#

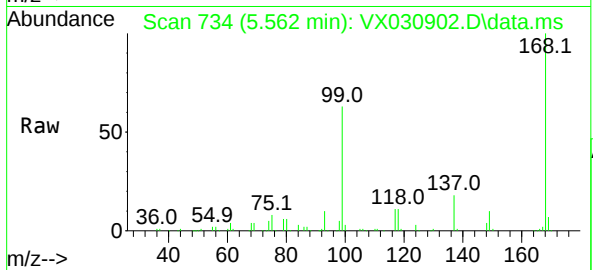
77 0.0 24.4 36.6#



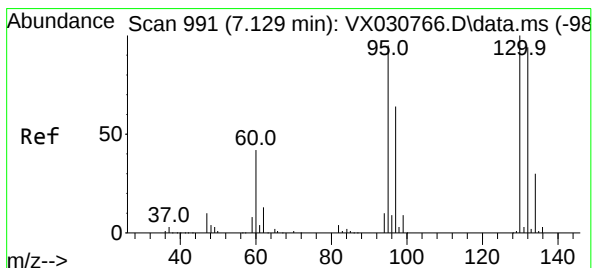
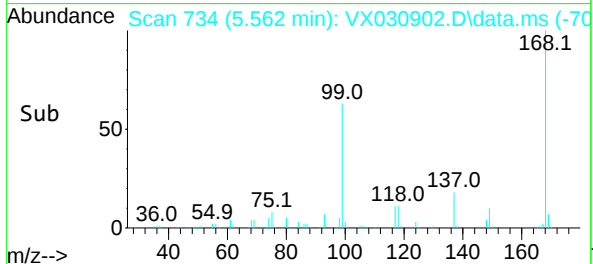
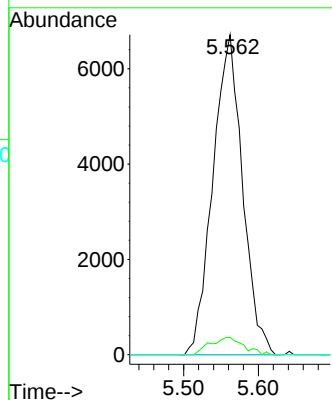


#38
Carbon Tetrachloride
Concen: 6.904 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20220824

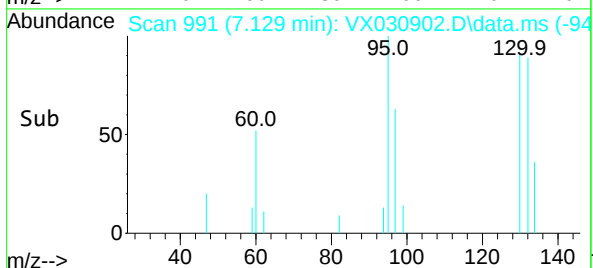
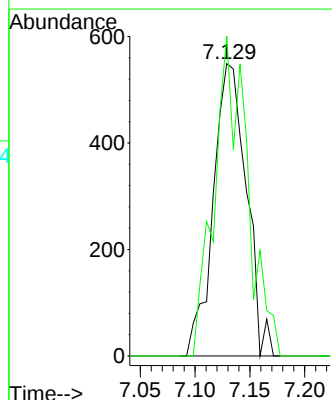
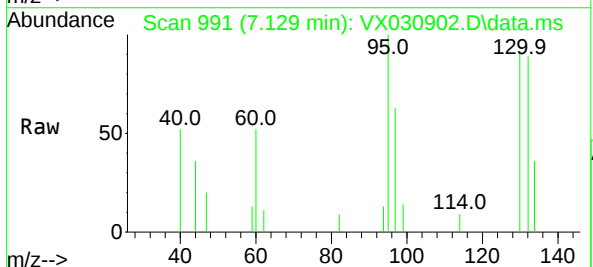


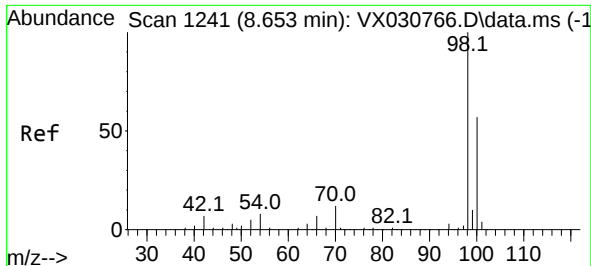
Tgt Ion:117 Resp: 18507
Ion Ratio Lower Upper
117 100
119 5.4 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.524 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Tgt Ion:130 Resp: 1150
Ion Ratio Lower Upper
130 100
95 109.5 0.0 194.8





#50

Toluene-d8

Concen: 56.717 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX030902.D

Acq: 28 Aug 2022 04:48

Instrument :

MSVOA_X

ClientSampleId :

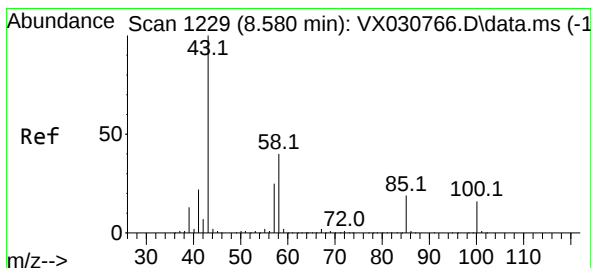
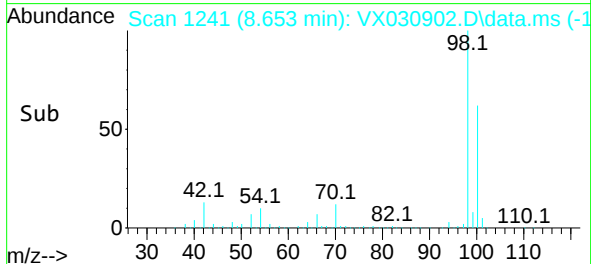
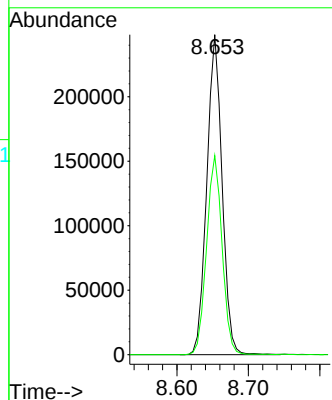
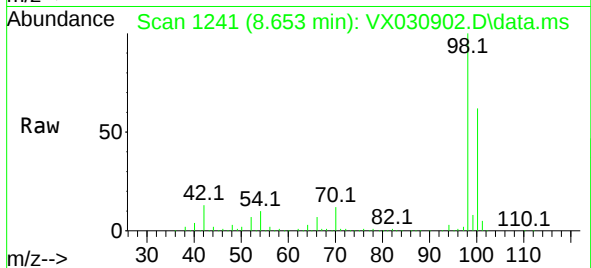
RE135D1-20220824

Tgt Ion: 98 Resp: 368837

Ion Ratio Lower Upper

98 100

100 63.2 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.605 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX030902.D

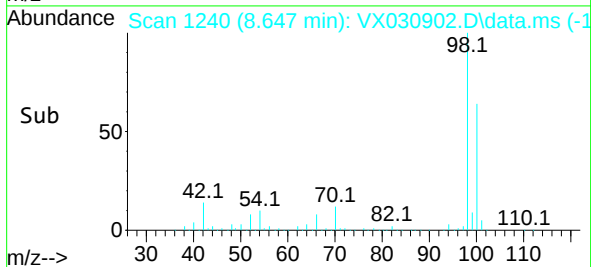
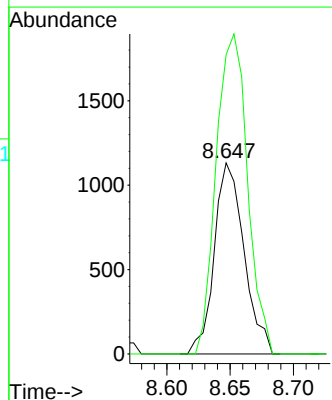
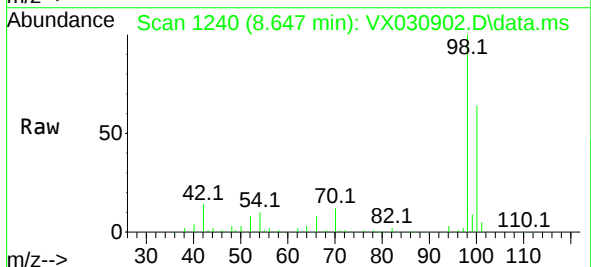
Acq: 28 Aug 2022 04:48

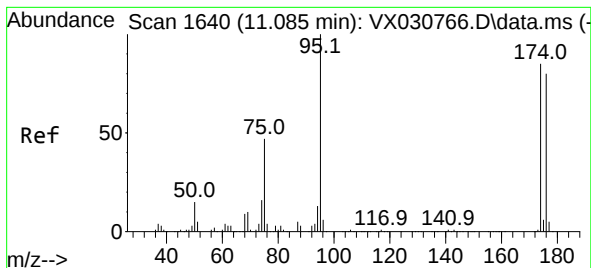
Tgt Ion: 43 Resp: 1849

Ion Ratio Lower Upper

43 100

58 176.7 31.4 47.2#

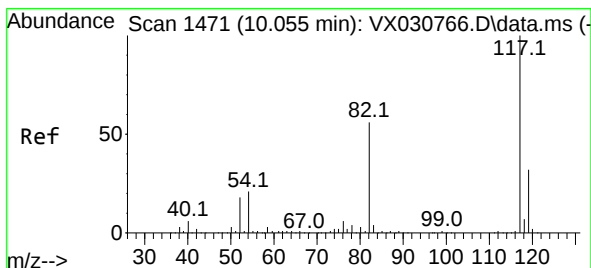
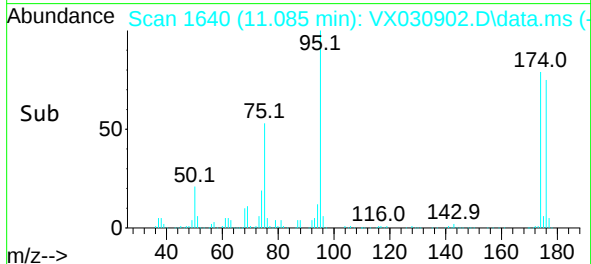
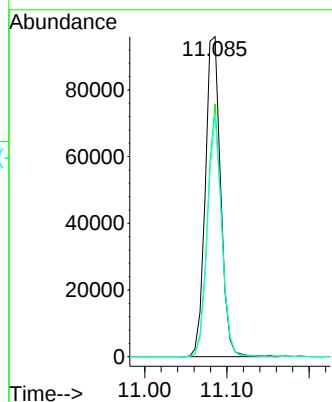
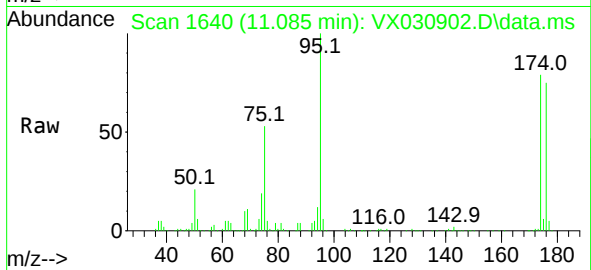




#62
4-Bromofluorobenzene
Concen: 51.098 ug/l
RT: 11.085 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

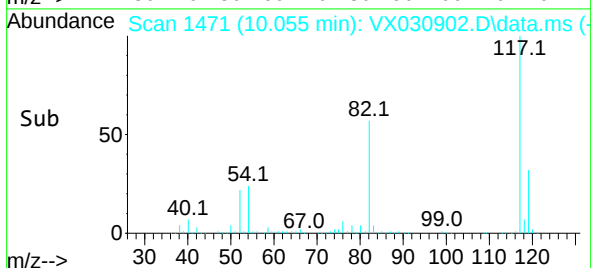
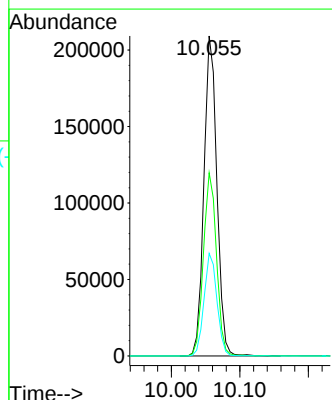
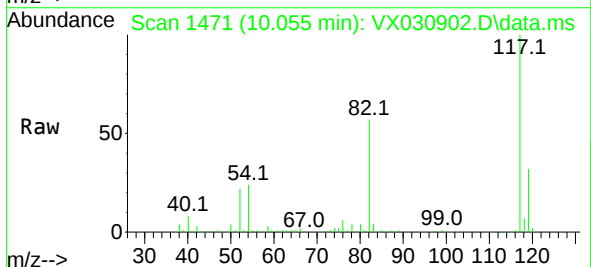
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20220824

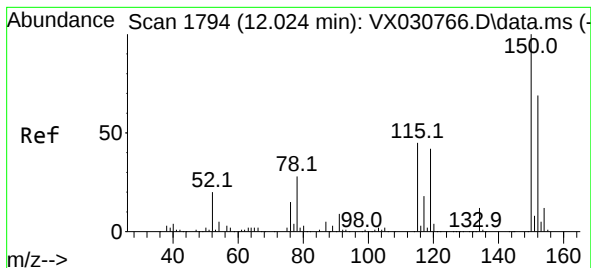
Tgt Ion: 95 Resp: 123714
Ion Ratio Lower Upper
95 100
174 73.3 0.0 149.0
176 69.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Tgt Ion: 117 Resp: 275553
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 32.1 25.4 38.2

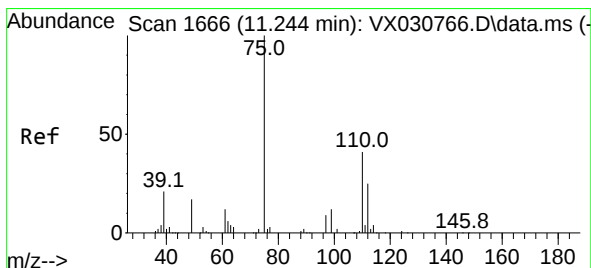
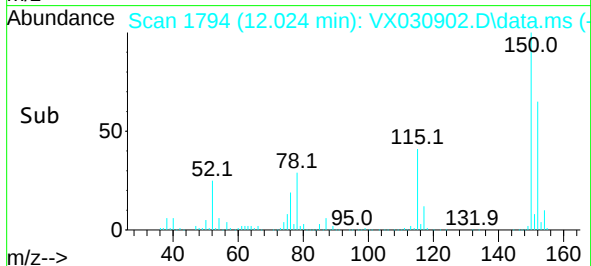
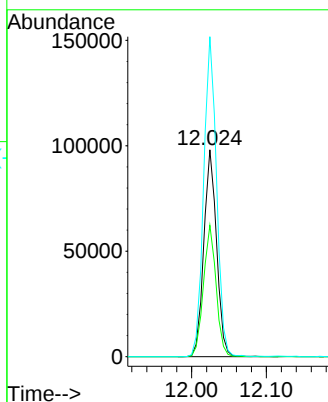
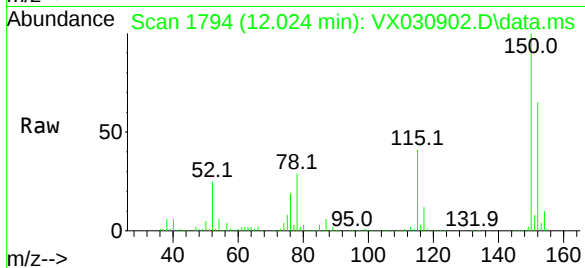




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030902.D
 Acq: 28 Aug 2022 04:48

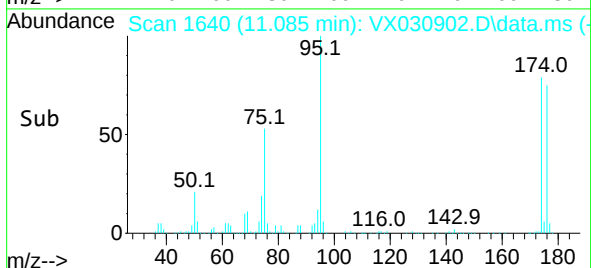
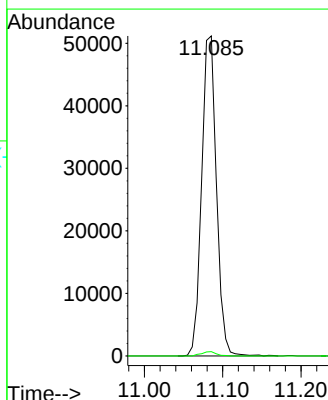
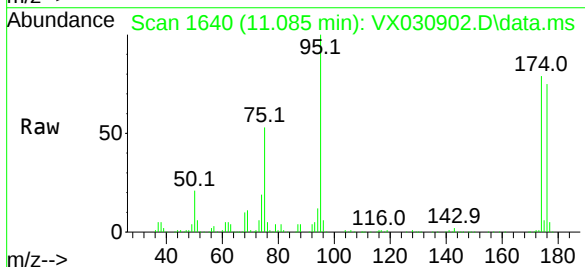
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D1-20220824

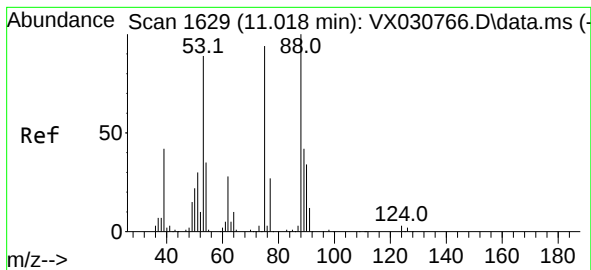
Tgt Ion:152 Resp: 116431
 Ion Ratio Lower Upper
 152 100
 115 62.8 40.5 121.5
 150 155.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 26.288 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030902.D
 Acq: 28 Aug 2022 04:48

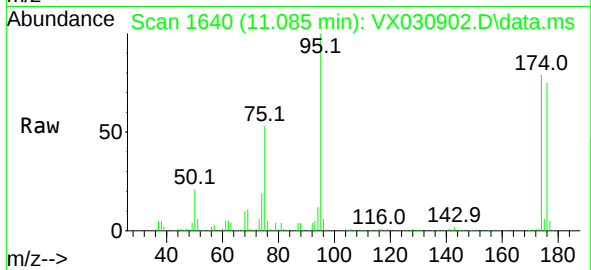
Tgt Ion: 75 Resp: 67058
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.818 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX030902.D
Acq: 28 Aug 2022 04:48

Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20220824



Tgt Ion: 75 Resp: 67058
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

