

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030852.D
 Acq On : 27 Aug 2022 07:03
 Operator : JC/MD
 Sample : N4281-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20220818

Quant Time: Aug 27 22:20:58 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)

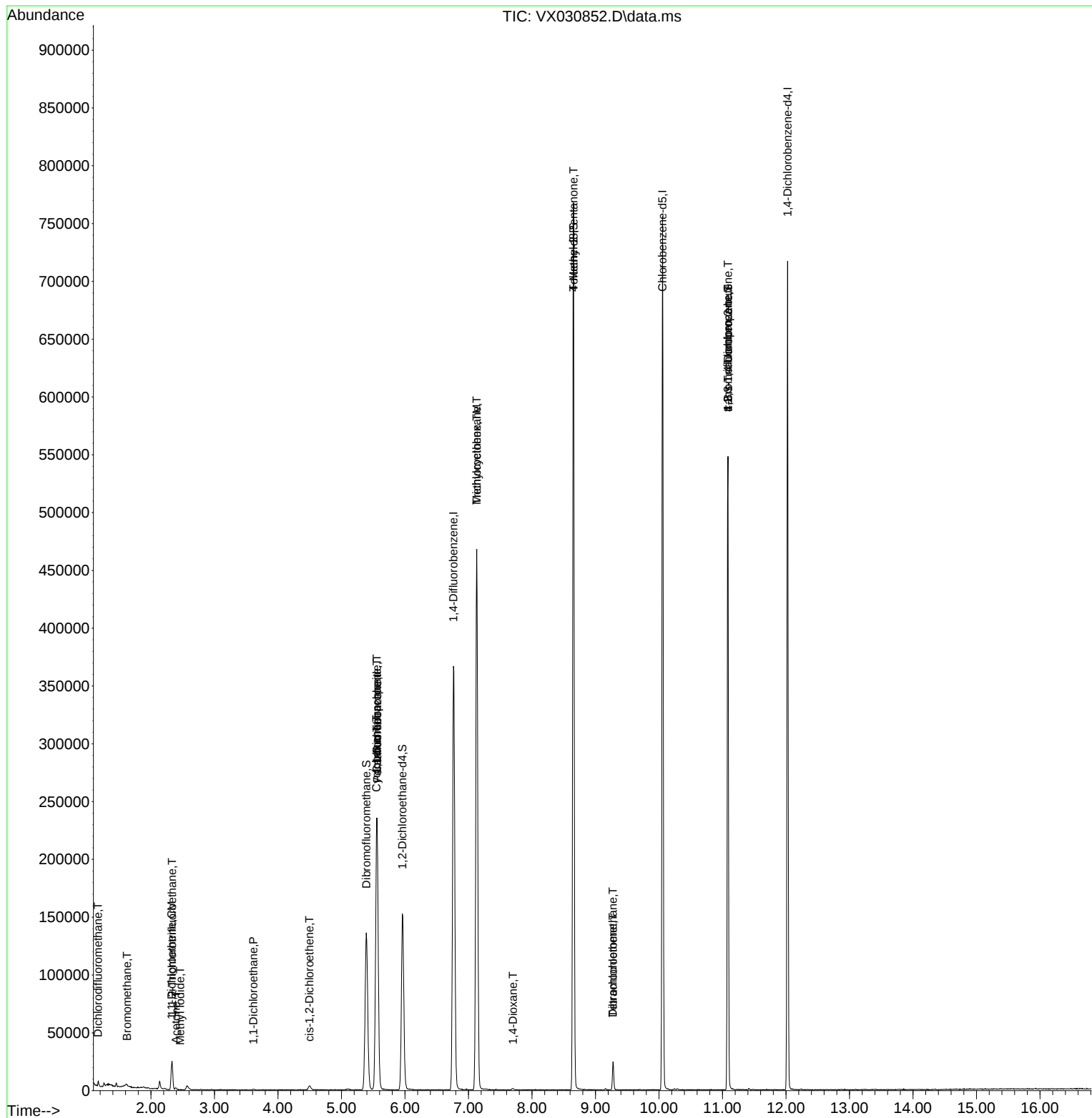
Internal Standards						
1) Pentafluorobenzene	5.562	168	222616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	383378	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	338527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145249	55.469	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.940%	
35) Dibromofluoromethane	5.391	113	121261	51.465	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.940%	
50) Toluene-d8	8.653	98	449067	54.694	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.380%	
62) 4-Bromofluorobenzene	11.085	95	146523	47.934	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.860%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	1662	0.806	ug/l	91
3) Chloromethane	1.288	50	236	Below Cal		90
5) Bromomethane	1.624	94	374	0.361	ug/l #	75
6) Chloroethane	1.703	64	259	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	8531	3.935	ug/l	92
10) Methyl Iodide	2.459	142	122	4.092	ug/l #	45
12) 1,1-Dichloroethene	2.325	96	1044	0.517	ug/l #	90
16) Acetone	2.392	43	1670	1.380	ug/l	90
17) Carbon Disulfide	2.526	76	160	Below Cal	#	74
20) Methylene Chloride	2.794	84	171	Below Cal	#	78
24) 1,1-Dichloroethane	3.611	63	931	0.219	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	2289	0.855	ug/l	84
31) Cyclohexane	5.550	56	4701	1.404	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	18364	5.724	ug/l #	48
38) Carbon Tetrachloride	5.556	117	22844	6.750	ug/l #	17
39) Methylcyclohexane	7.129	83	2203	0.574	ug/l #	1
44) Trichloroethene	7.129	130	178916	64.514	ug/l	99
49) 1,4-Dioxane	7.702	88	1134	16.099	ug/l	91
51) 4-Methyl-2-Pentanone	8.653	43	1762	0.456	ug/l #	1
60) Dibromochloromethane	9.275	129	4355	1.568	ug/l #	11
64) Tetrachloroethene	9.275	164	4413	1.655	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	74826	24.023	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	74826	77.508	ug/l #	13

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

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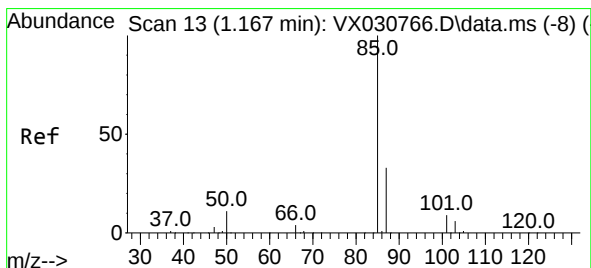
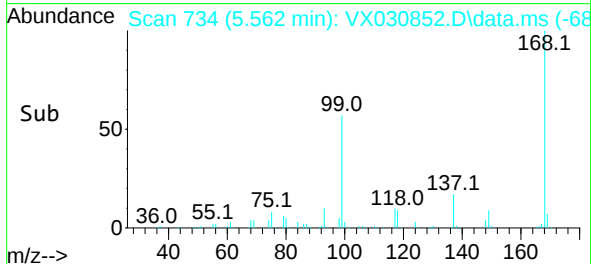
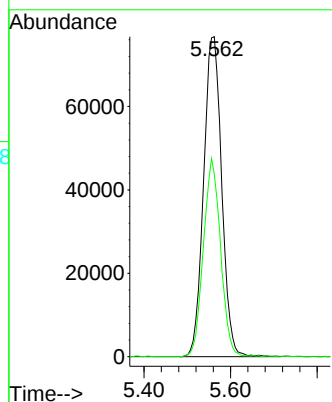
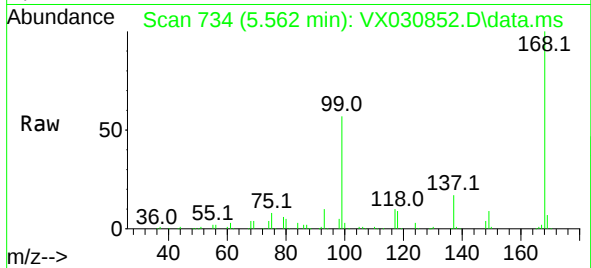




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

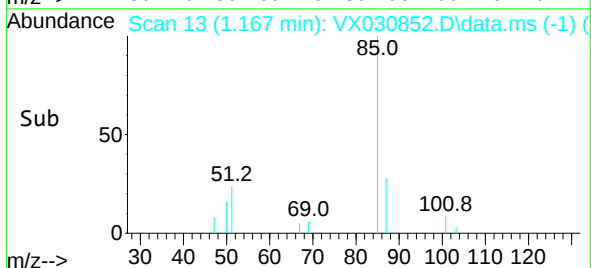
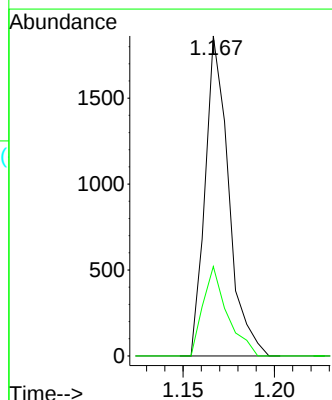
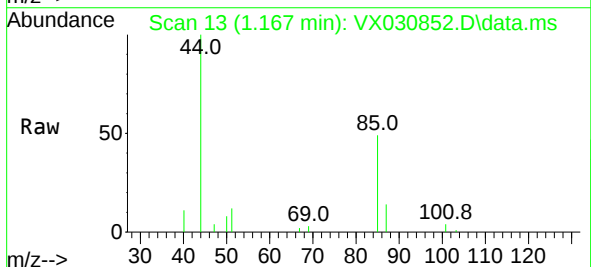
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20220818

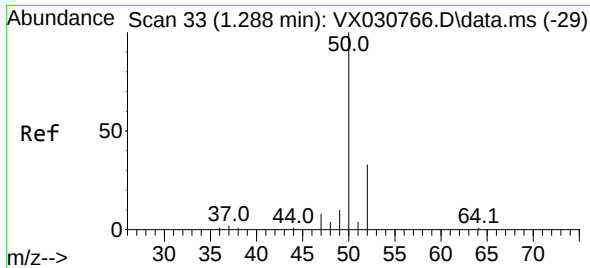
Tgt Ion:168 Resp: 222616
Ion Ratio Lower Upper
168 100
99 57.0 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.806 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion: 85 Resp: 1662
Ion Ratio Lower Upper
85 100
87 27.9 16.5 49.5

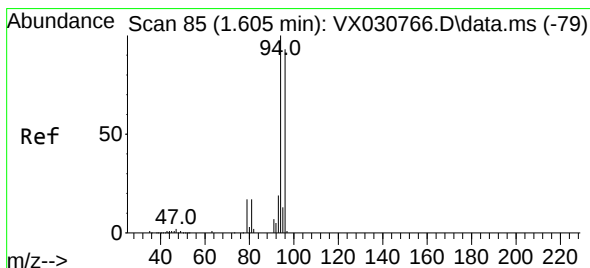
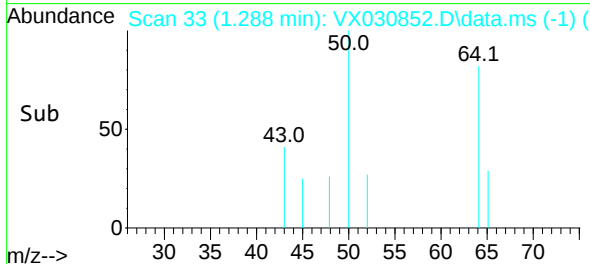
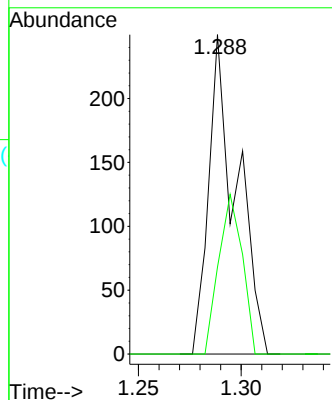
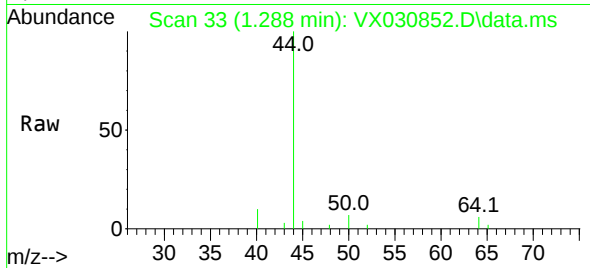




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

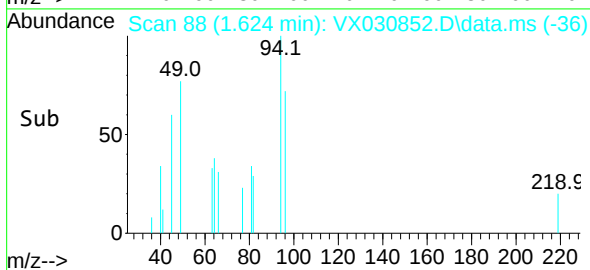
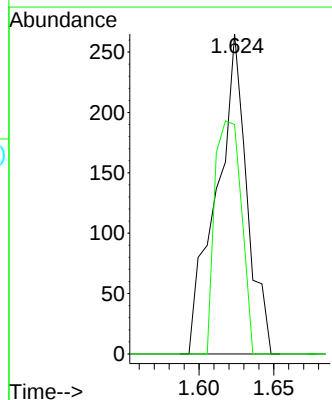
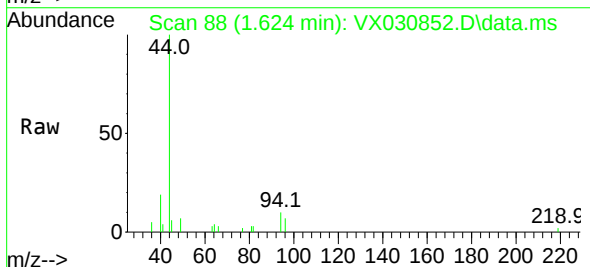
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20220818

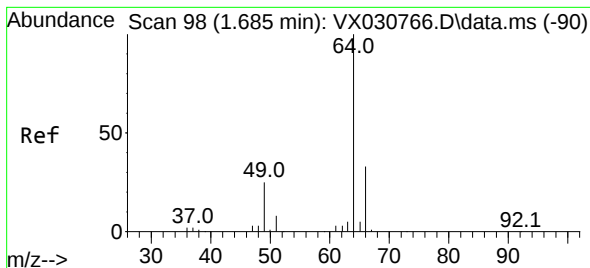
Tgt Ion: 50 Resp: 236
Ion Ratio Lower Upper
50 100
52 27.2 26.3 39.5



#5
Bromomethane
Concen: 0.361 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.018 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 71.7 76.9 115.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.703 min Scan# 101

Delta R.T. 0.018 min

Lab File: VX030852.D

Acq: 27 Aug 2022 07:03

Instrument :

MSVOA_X

ClientSampleId :

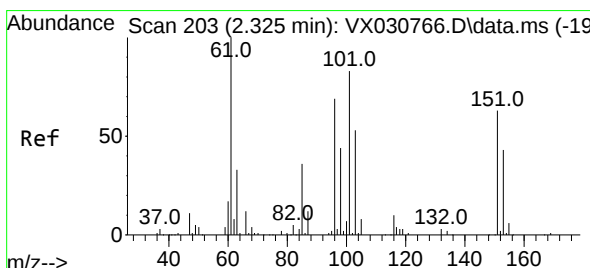
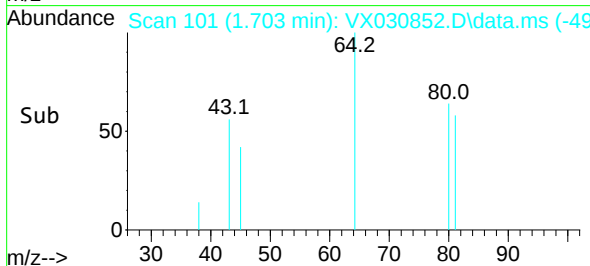
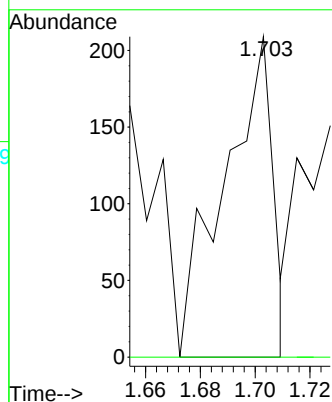
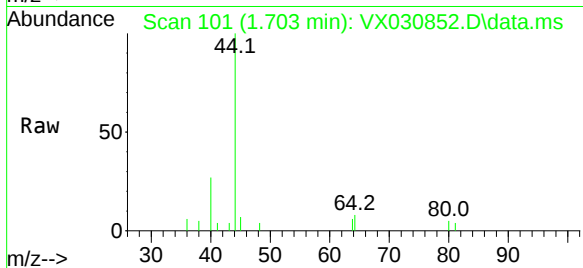
RE132D3-20220818

Tgt Ion: 64 Resp: 259

Ion Ratio Lower Upper

64 100

66 0.0 27.2 40.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.935 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX030852.D

Acq: 27 Aug 2022 07:03

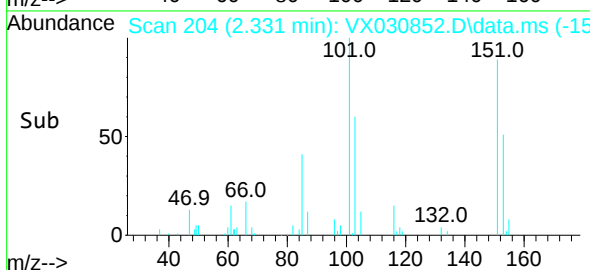
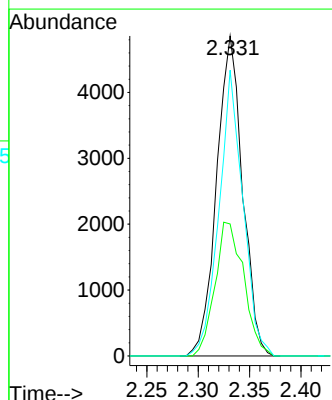
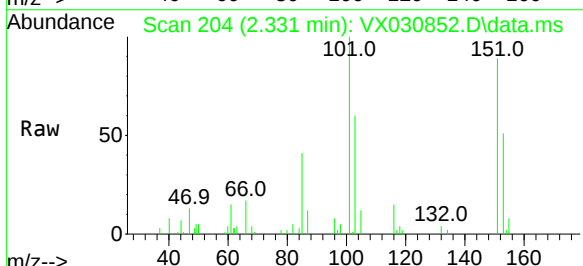
Tgt Ion: 101 Resp: 8531

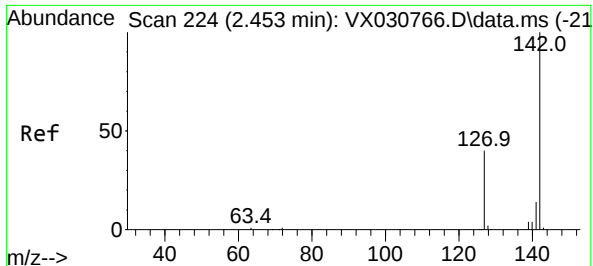
Ion Ratio Lower Upper

101 100

85 46.1 34.0 51.0

151 82.5 59.4 89.0

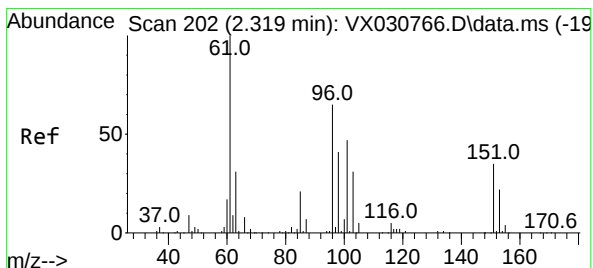
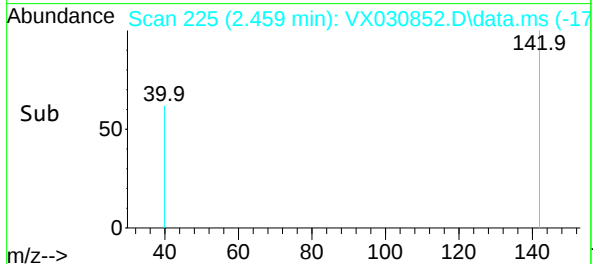
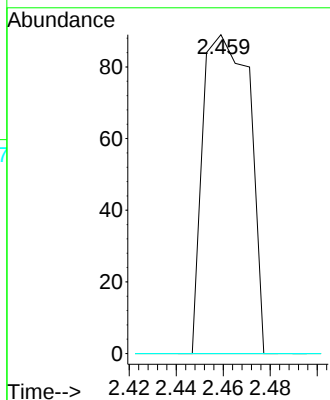
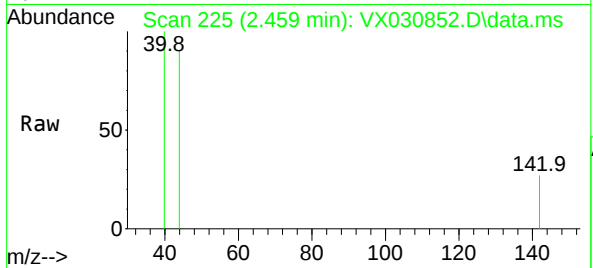




#10
Methyl Iodide
Concen: 4.092 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

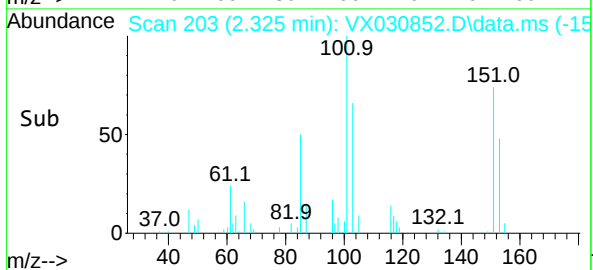
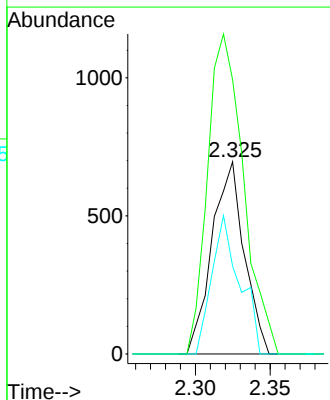
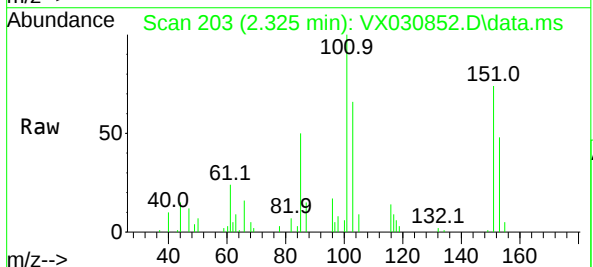
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20220818

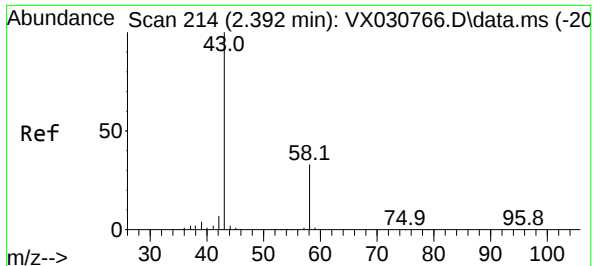
Tgt Ion:142 Resp: 122
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 0.517 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion: 96 Resp: 1044
Ion Ratio Lower Upper
96 100
61 142.7 117.4 176.0
98 45.7 52.2 78.4#

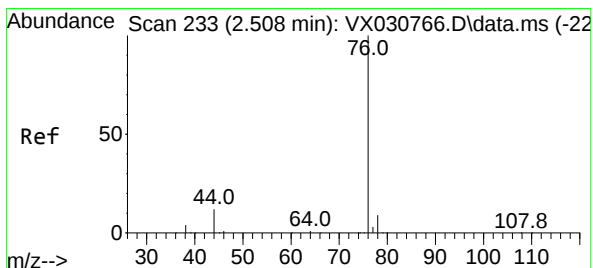
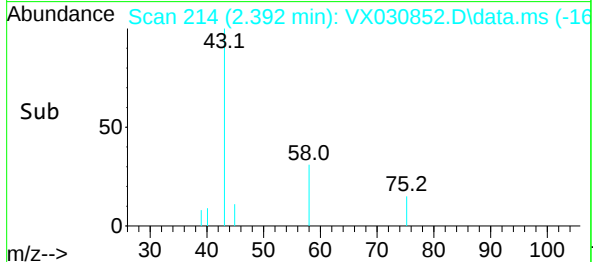
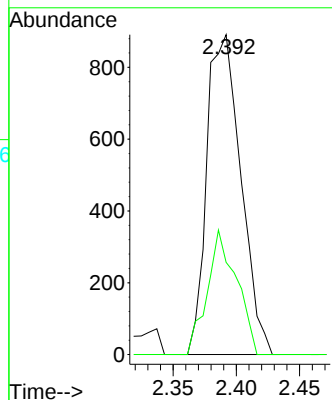
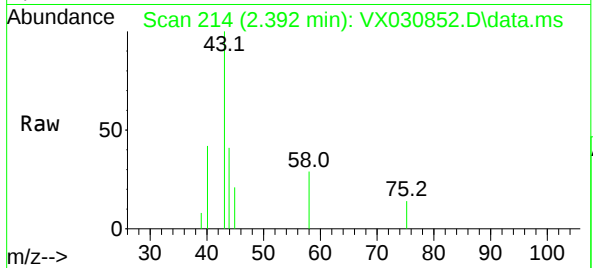




#16
Acetone
Concen: 1.380 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

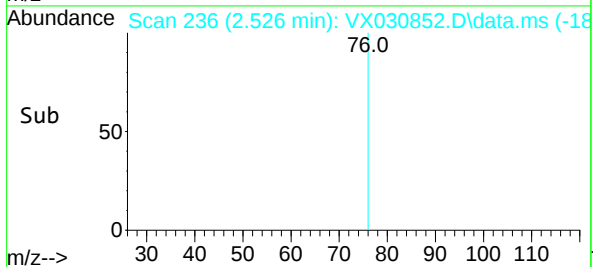
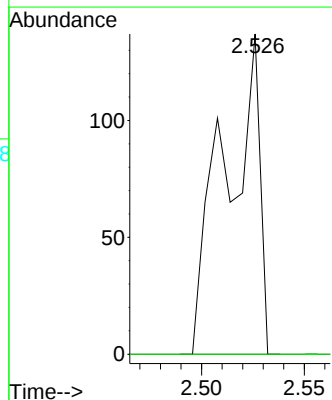
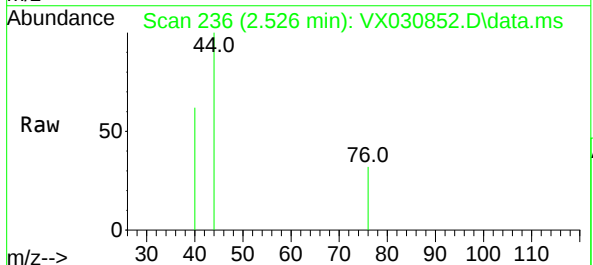
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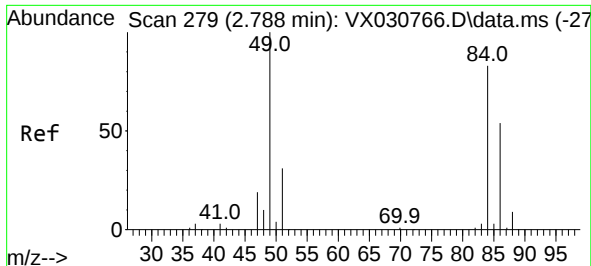
Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
58 28.8 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.526 min Scan# 236
Delta R.T. 0.018 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

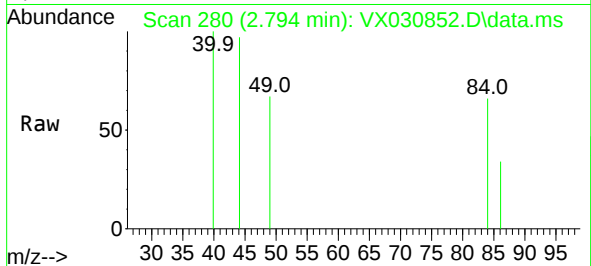
Tgt Ion: 76 Resp: 160
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



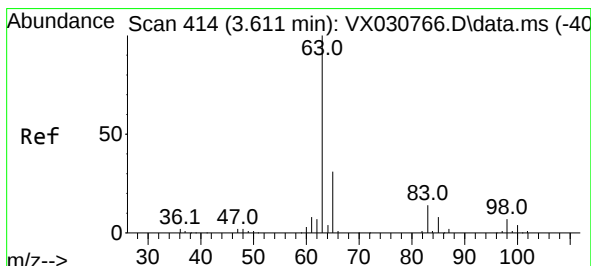
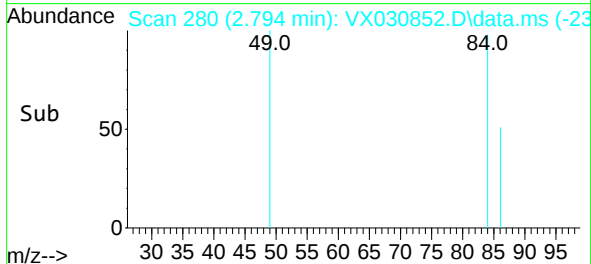
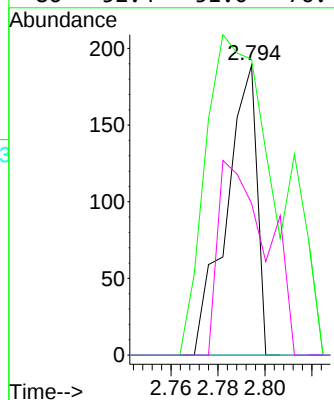


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Instrument :
MSVOA_X
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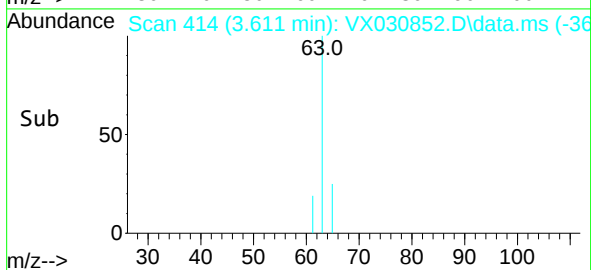
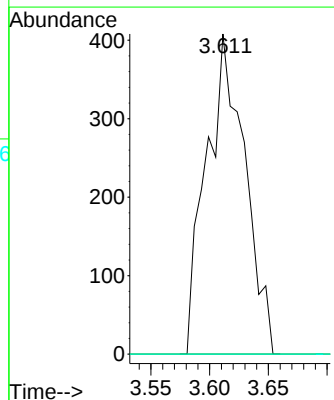
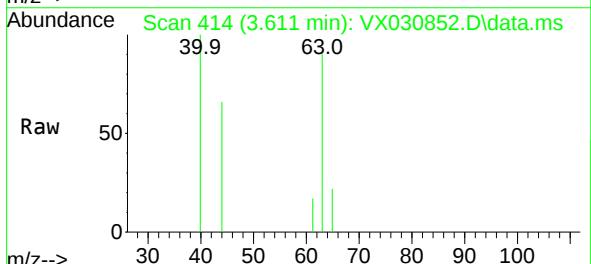


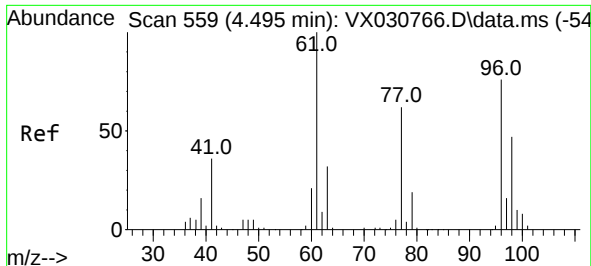
Tgt Ion: 84 Resp: 171
Ion Ratio Lower Upper
84 100
49 102.1 93.8 140.6
51 0.0 29.4 44.0#
86 52.4 51.0 76.4



#24
1,1-Dichloroethane
Concen: 0.219 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion: 63 Resp: 931
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 0.855 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX030852.D

Acq: 27 Aug 2022 07:03

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20220818

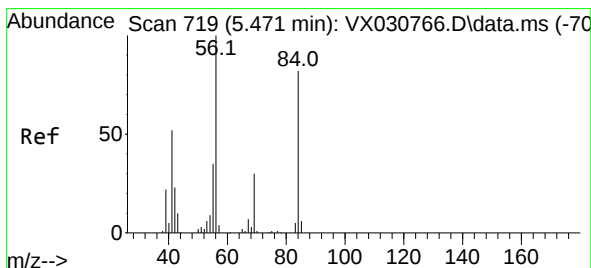
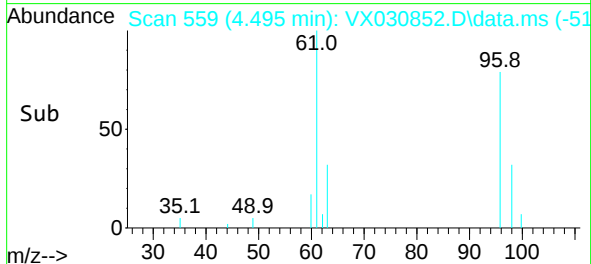
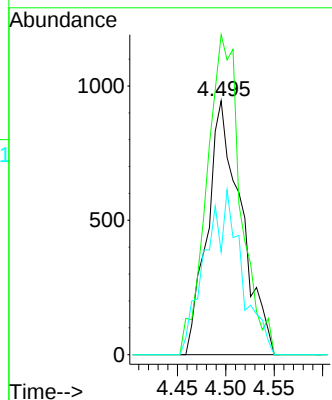
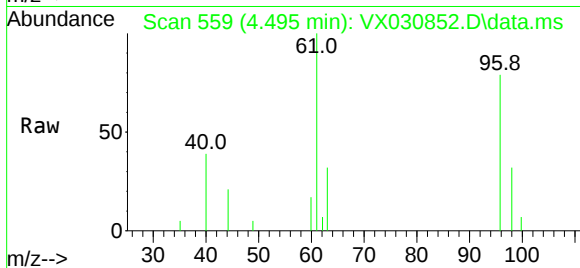
Tgt Ion: 96 Resp: 2289

Ion Ratio Lower Upper

96 100

61 127.4 0.0 270.0

98 34.9 0.0 127.8



#31

Cyclohexane

Concen: 1.404 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX030852.D

Acq: 27 Aug 2022 07:03

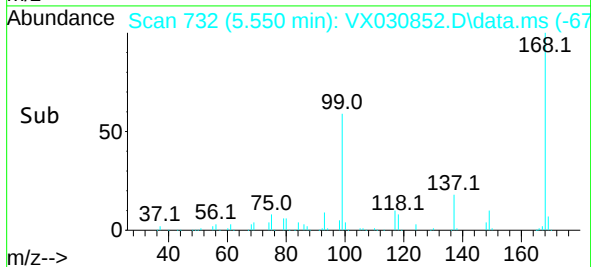
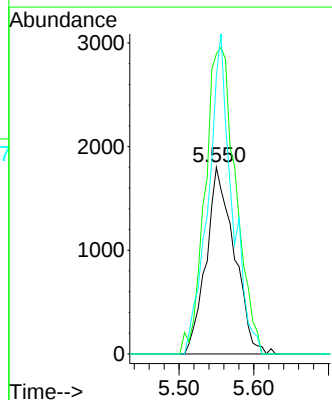
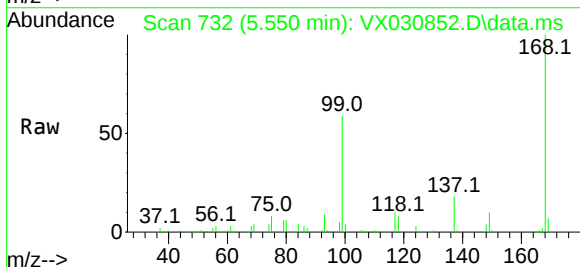
Tgt Ion: 56 Resp: 4701

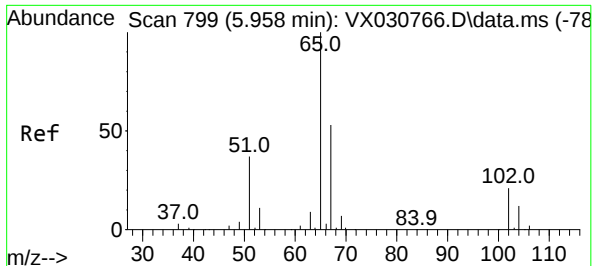
Ion Ratio Lower Upper

56 100

69 160.8 25.4 38.0#

84 149.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 55.469 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030852.D

Acq: 27 Aug 2022 07:03

Instrument :

MSVOA_X

ClientSampleId :

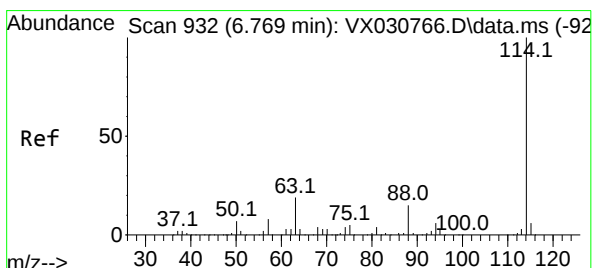
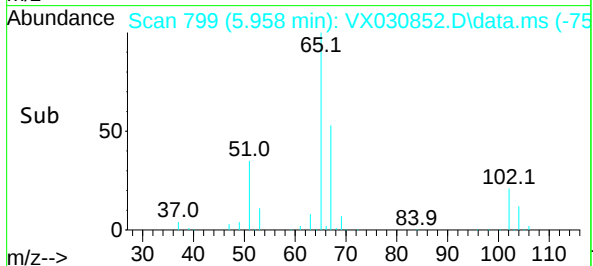
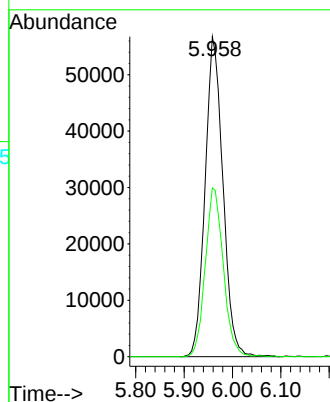
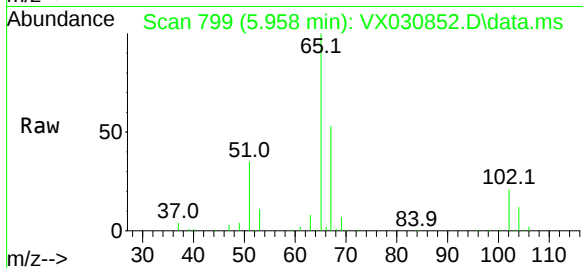
RE132D3-20220818

Tgt Ion: 65 Resp: 145249

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030852.D

Acq: 27 Aug 2022 07:03

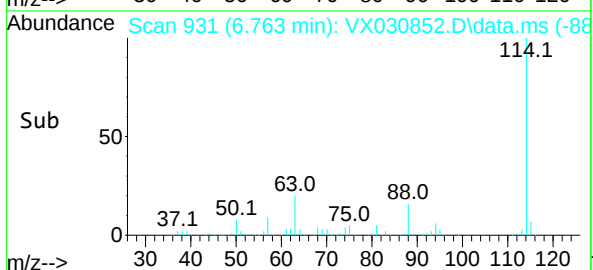
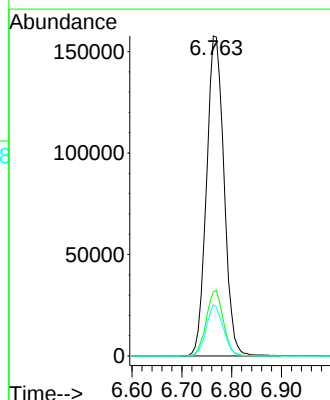
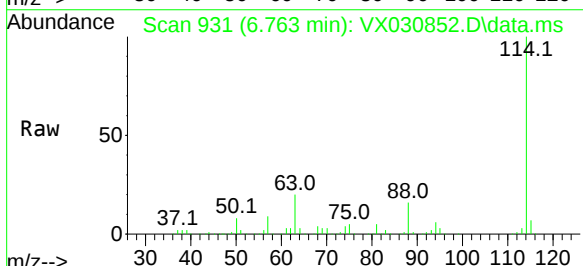
Tgt Ion: 114 Resp: 383378

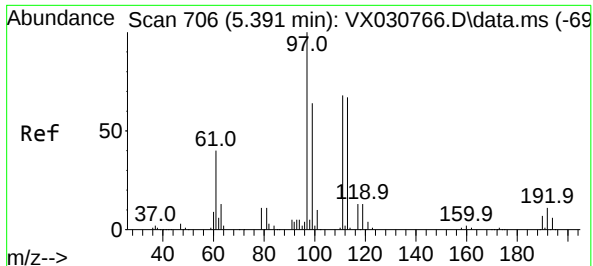
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.465 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030852.D

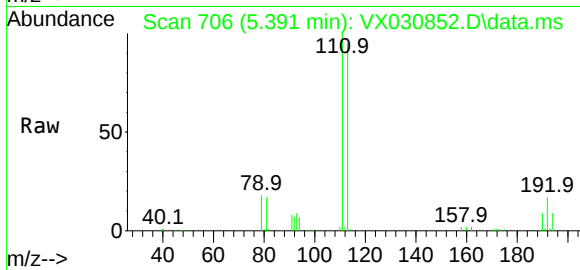
Acq: 27 Aug 2022 07:03

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20220818



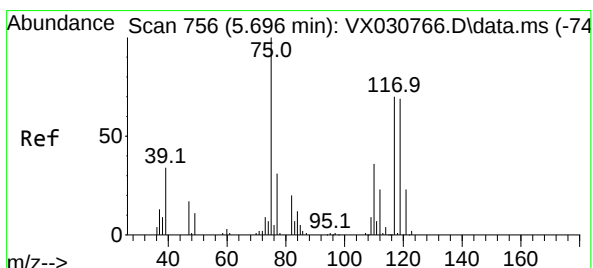
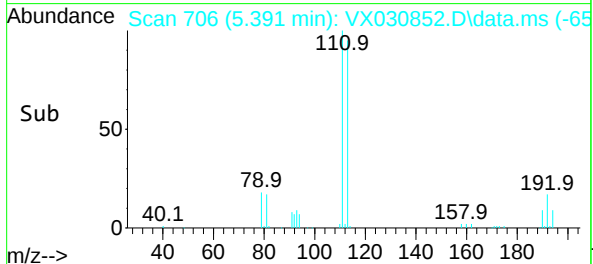
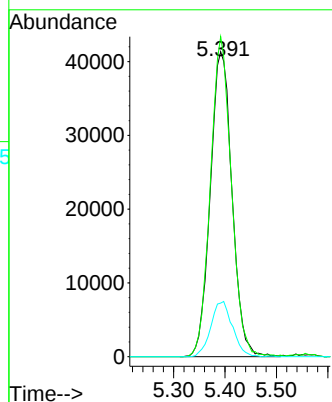
Tgt Ion:113 Resp: 121261

Ion Ratio Lower Upper

113 100

111 101.3 83.2 124.8

192 18.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.724 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030852.D

Acq: 27 Aug 2022 07:03

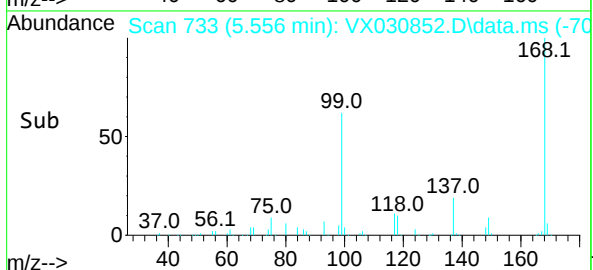
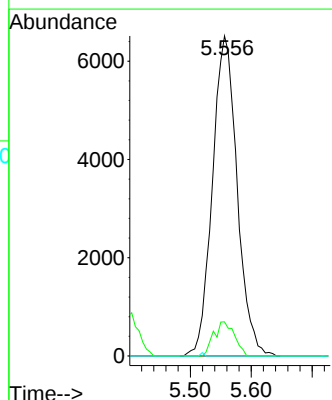
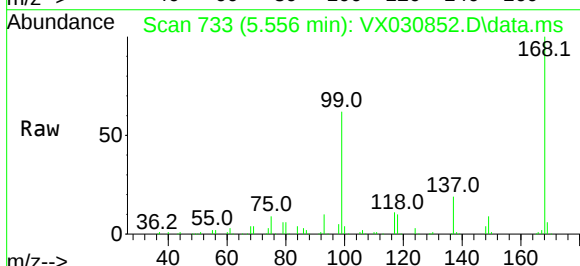
Tgt Ion: 75 Resp: 18364

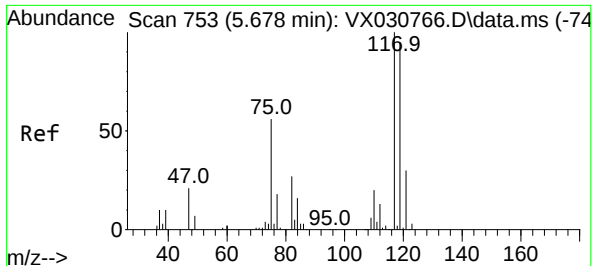
Ion Ratio Lower Upper

75 100

110 8.9 19.3 57.9#

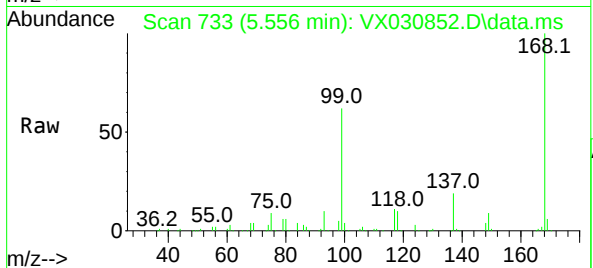
77 0.0 24.4 36.6#



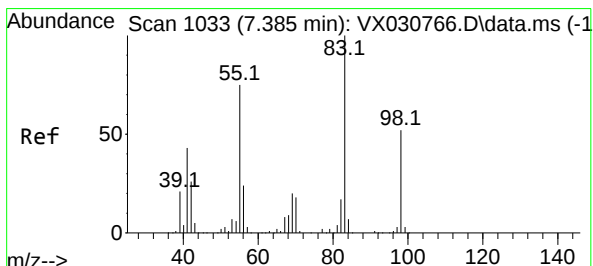
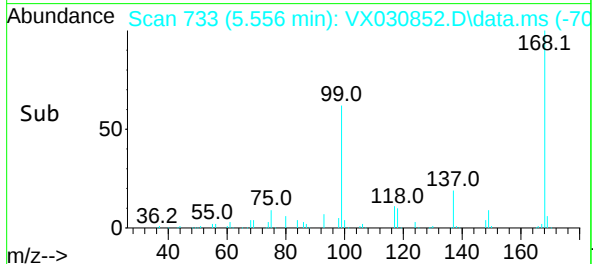
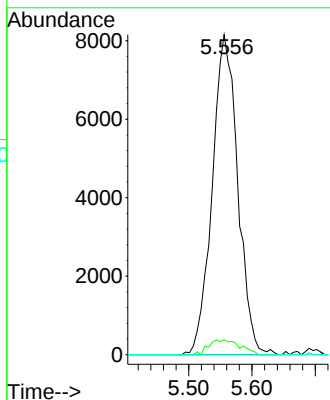


#38
Carbon Tetrachloride
Concen: 6.750 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20220818

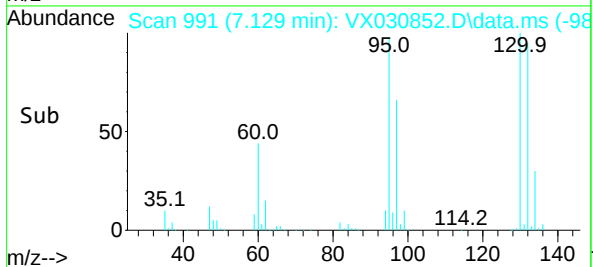
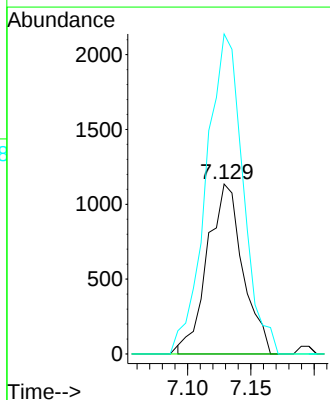
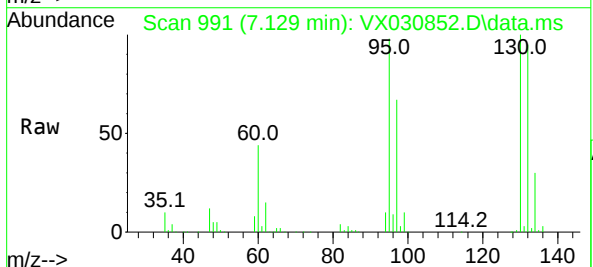


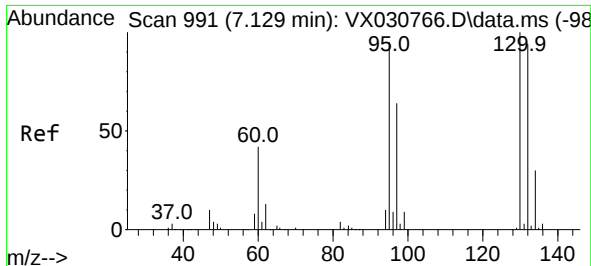
Tgt Ion:117 Resp: 22844
Ion Ratio Lower Upper
117 100
119 4.6 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.574 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion: 83 Resp: 2203
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 198.5 36.5 54.7#

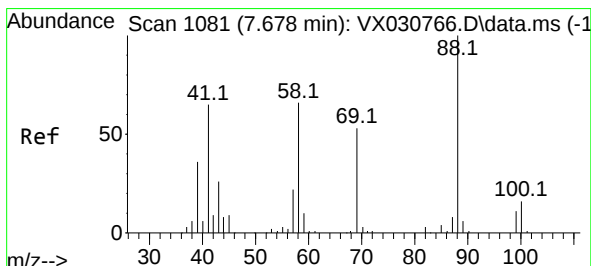
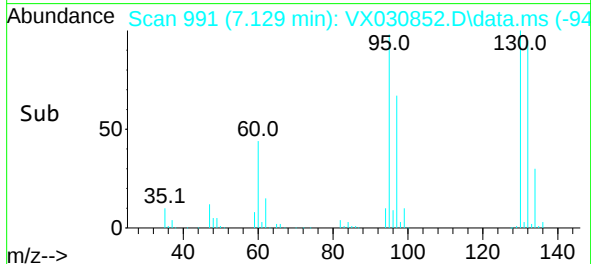
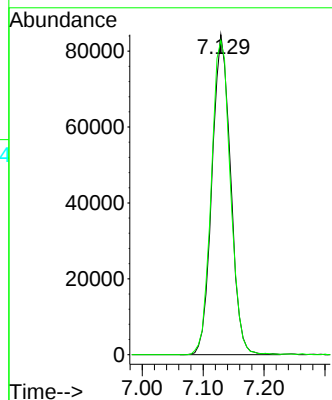
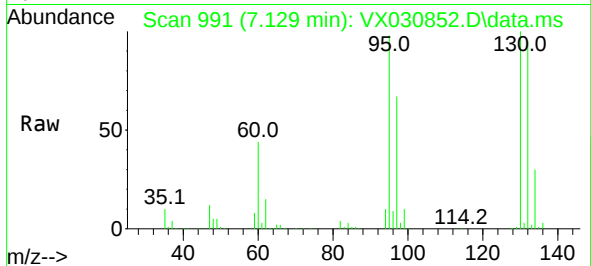




#44
Trichloroethene
Concen: 64.514 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

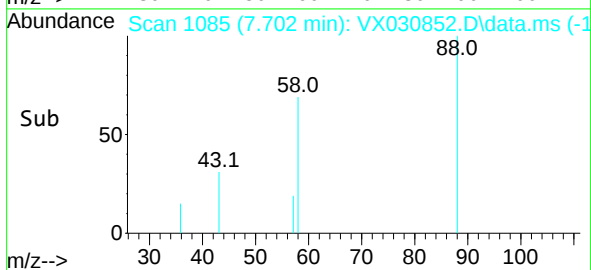
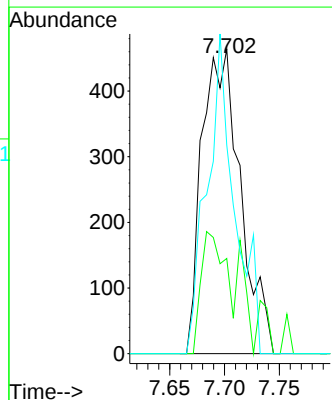
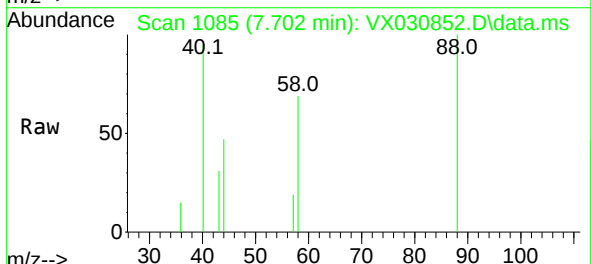
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20220818

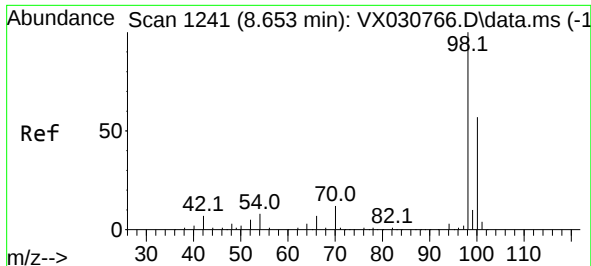
Tgt Ion:130 Resp: 178916
Ion Ratio Lower Upper
130 100
95 98.2 0.0 194.8



#49
1,4-Dioxane
Concen: 16.099 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.024 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion: 88 Resp: 1134
Ion Ratio Lower Upper
88 100
43 25.9 23.8 35.8
58 75.0 53.8 80.6

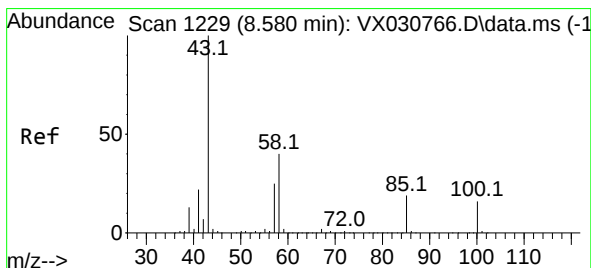
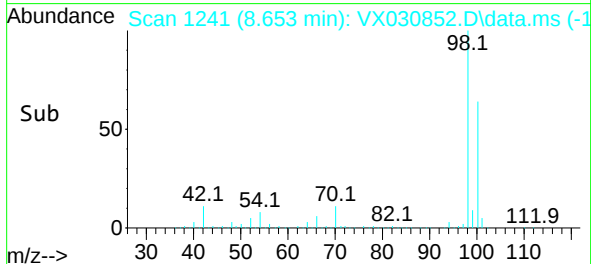
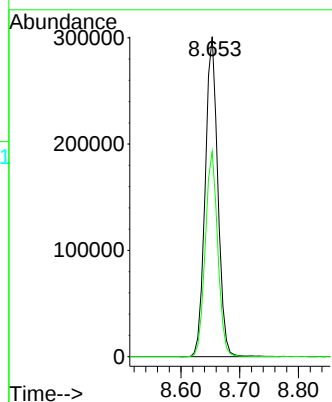
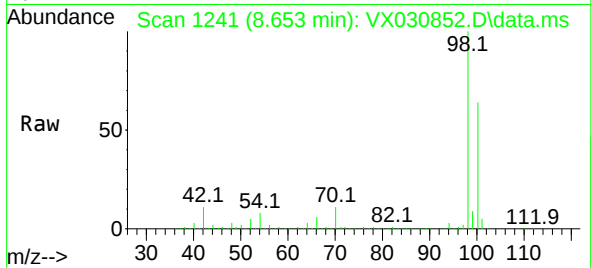




#50
Toluene-d8
Concen: 54.694 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

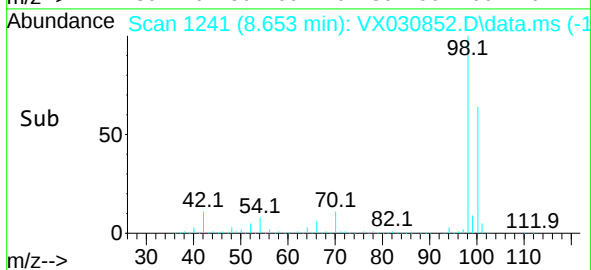
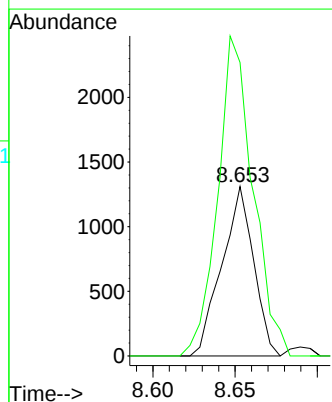
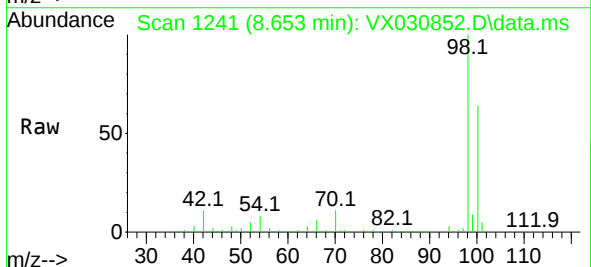
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20220818

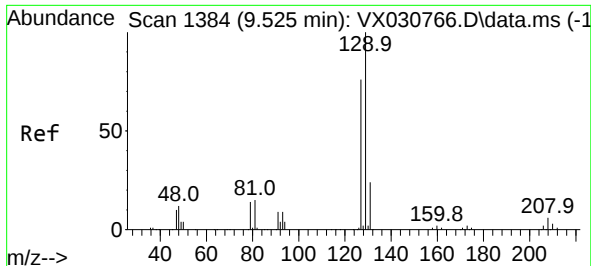
Tgt Ion: 98 Resp: 449067
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.456 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
58 209.5 31.4 47.2#

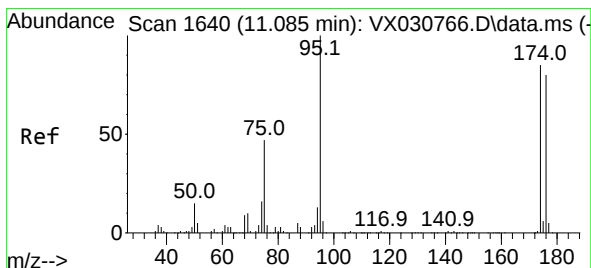
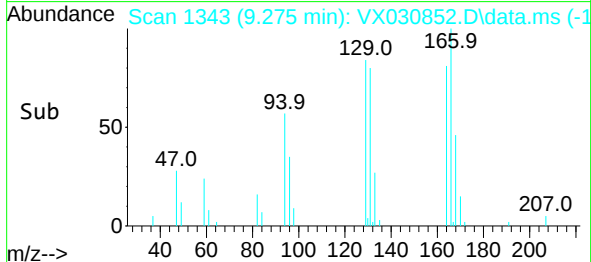
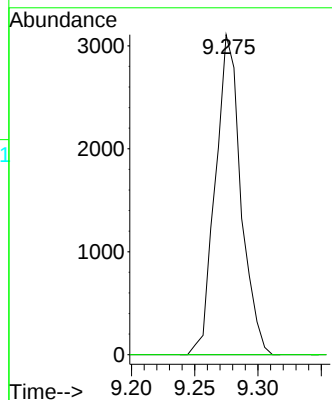
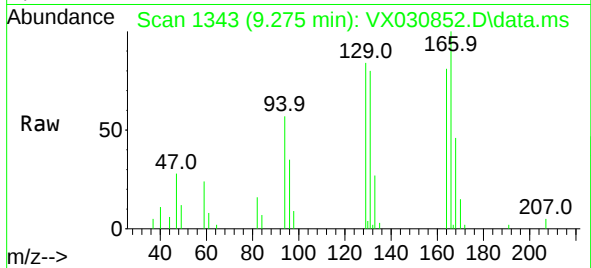




#60
Dibromochloromethane
Concen: 1.568 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

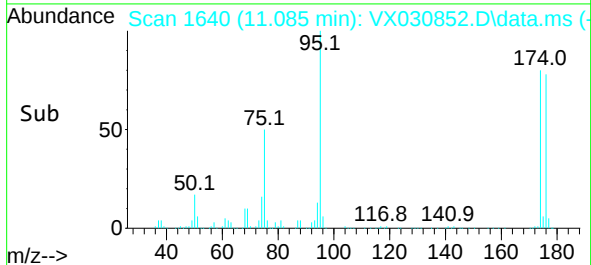
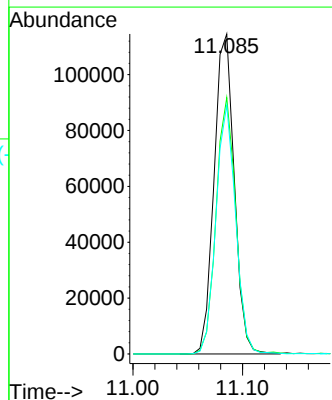
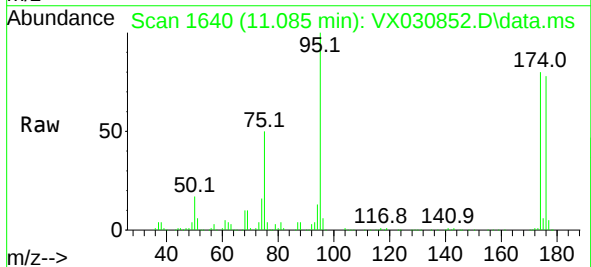
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20220818

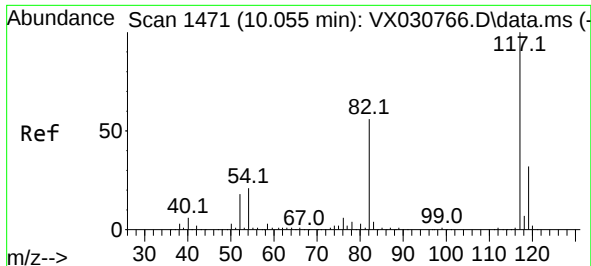
Tgt Ion:129 Resp: 4355
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.934 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion: 95 Resp: 146523
Ion Ratio Lower Upper
95 100
174 78.3 0.0 149.0
176 75.8 0.0 146.0

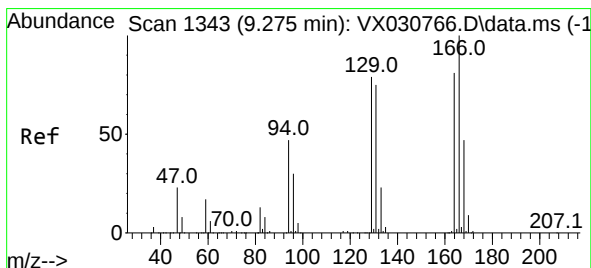
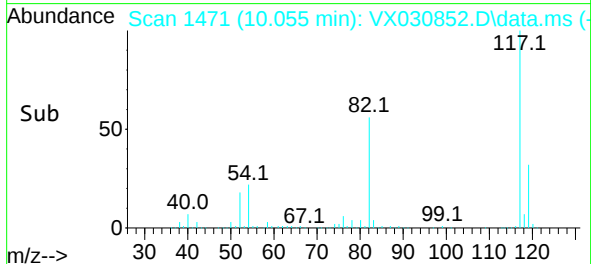
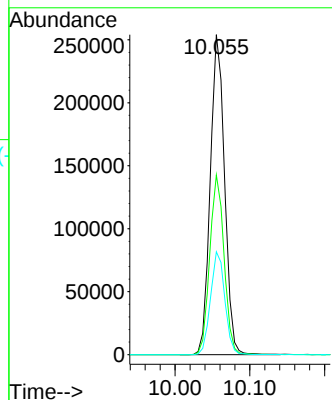
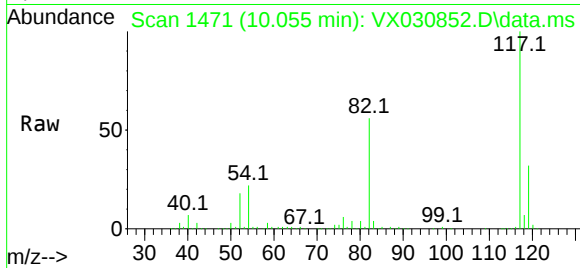




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

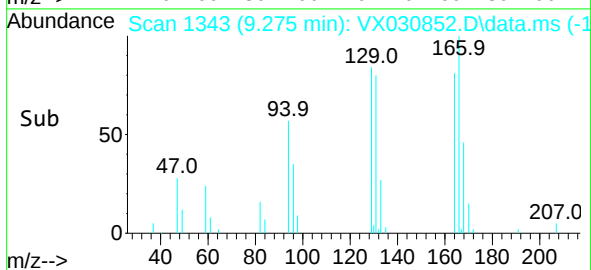
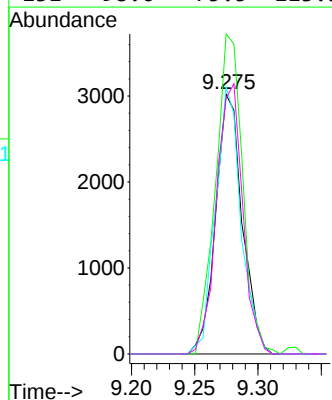
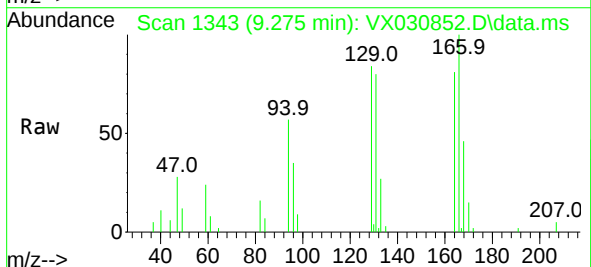
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20220818

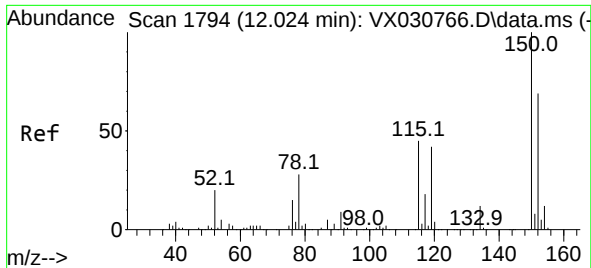
Tgt Ion:117 Resp: 338527
Ion Ratio Lower Upper
117 100
82 56.1 42.7 64.1
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 1.655 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030852.D
Acq: 27 Aug 2022 07:03

Tgt Ion:164 Resp: 4413
Ion Ratio Lower Upper
164 100
166 123.3 98.2 147.4
129 102.9 80.8 121.2
131 98.6 75.5 113.3

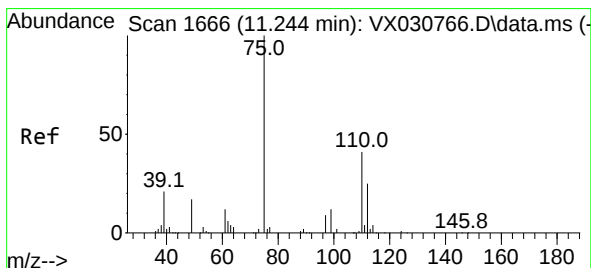
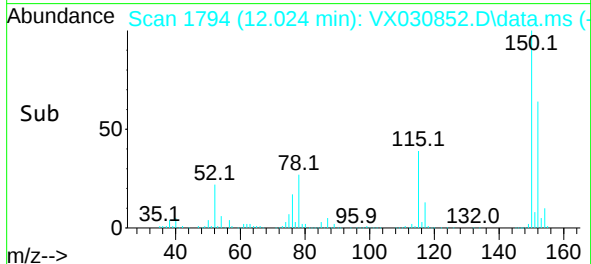
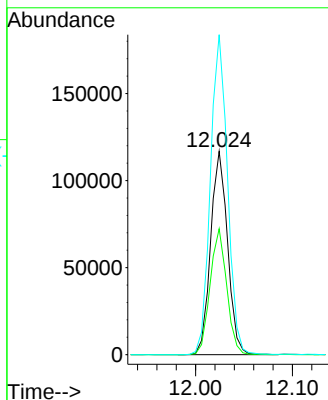
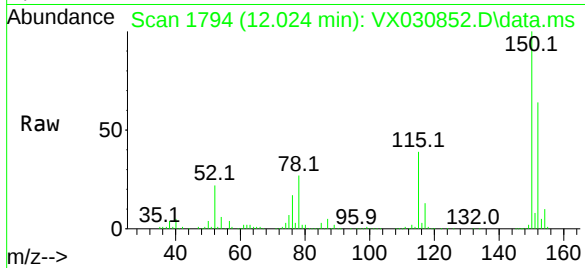




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030852.D
 Acq: 27 Aug 2022 07:03

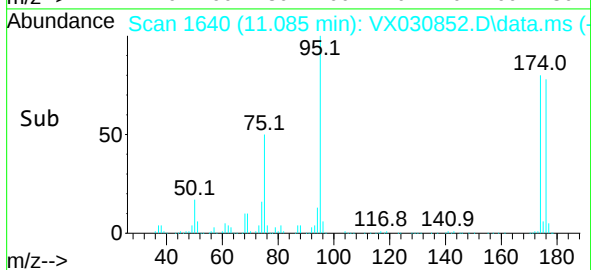
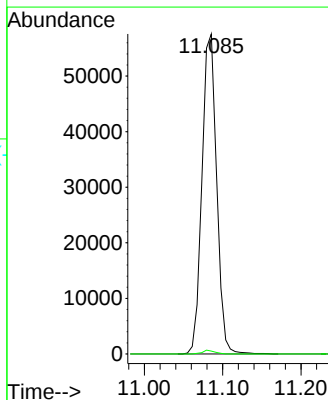
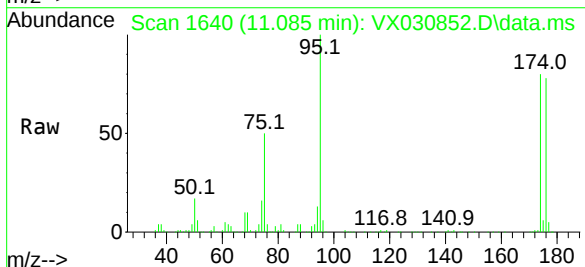
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20220818

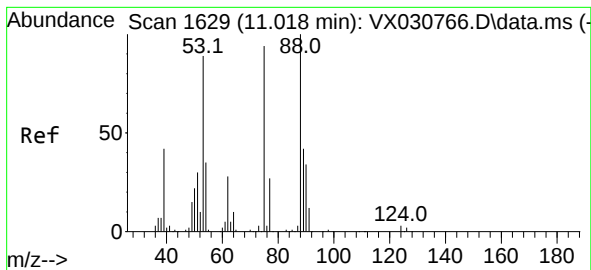
Tgt Ion:152 Resp: 142171
 Ion Ratio Lower Upper
 152 100
 115 60.9 40.5 121.5
 150 158.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.023 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030852.D
 Acq: 27 Aug 2022 07:03

Tgt Ion: 75 Resp: 74826
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.508 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030852.D
 Acq: 27 Aug 2022 07:03

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20220818

Tgt Ion: 75 Resp: 74826
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

