

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030135.D
 Acq On : 20 Jul 2022 16:23
 Operator : JC/MD
 Sample : N3765-01 1000X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-91BN-84DL

Quant Time: Jul 21 03:31:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

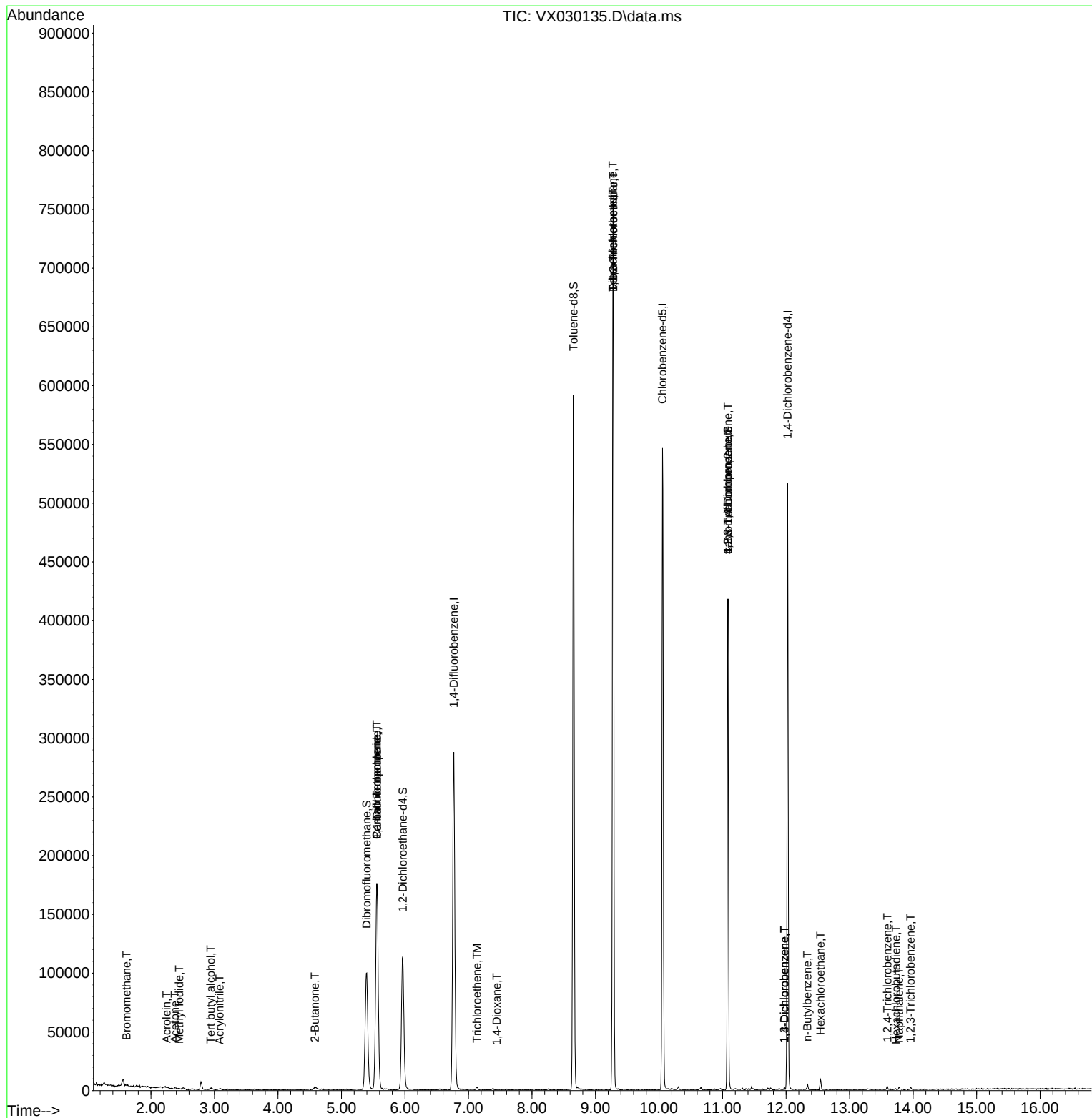
Internal Standards						
1) Pentafluorobenzene	5.555	168	168018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	297199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105422	51.549	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.100%			
35) Dibromofluoromethane	5.397	113	90585	47.711	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.420%			
50) Toluene-d8	8.652	98	344499	48.245	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.480%			
62) 4-Bromofluorobenzene	11.085	95	109420	44.157	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	190	Below Cal	#	42
5) Bromomethane	1.617	94	354	0.429	ug/l #	31
10) Methyl Iodide	2.446	142	639	2.769	ug/l #	69
11) Tert butyl alcohol	2.940	59	895	1.696	ug/l #	74
13) Acrolein	2.245	56	66	0.628	ug/l #	1
15) Acrylonitrile	3.080	53	359	0.299	ug/l #	77
16) Acetone	2.379	43	1819	1.888	ug/l	94
17) Carbon Disulfide	2.507	76	1640	Below Cal		95
20) Methylene Chloride	2.788	84	2645	Below Cal		89
25) 2-Butanone	4.580	43	410	0.250	ug/l #	48
36) 1,1-Dichloropropene	5.555	75	12986	5.295	ug/l #	49
38) Carbon Tetrachloride	5.555	117	16839	7.363	ug/l #	16
44) Trichloroethene	7.134	130	712	0.316	ug/l	73
49) 1,4-Dioxane	7.445	88	20	0.352	ug/l #	1
55) 1,1,2-Trichloroethane	9.280	97	1184	0.586	ug/l #	1
60) Dibromochloromethane	9.274	129	142440	72.333	ug/l #	11
64) Tetrachloroethene	9.274	164	141588	69.599	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	54561	23.585	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54561	68.066	ug/l #	12
87) 1,3-Dichlorobenzene	11.975	146	749	0.231	ug/l	89
88) 1,4-Dichlorobenzene	11.975	146	749	0.225	ug/l	88
89) n-Butylbenzene	12.335	91	1130	0.210	ug/l	89
90) Hexachloroethane	12.542	117	1158	1.128	ug/l	89
93) 1,2,4-Trichlorobenzene	13.597	180	805	0.398	ug/l	75
94) Hexachlorobutadiene	13.731	225	228	0.283	ug/l #	48
95) Naphthalene	13.780	128	1762	0.220	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.962	180	571	0.278	ug/l	94

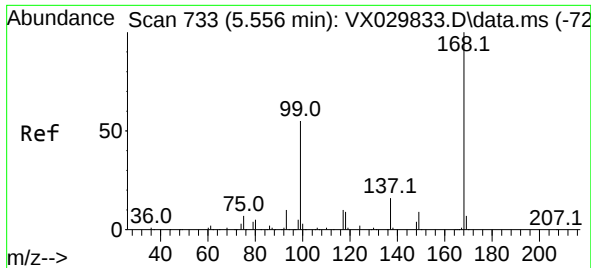
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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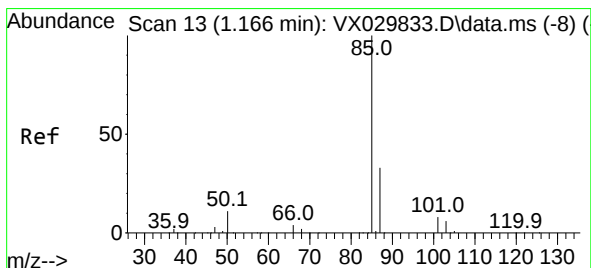
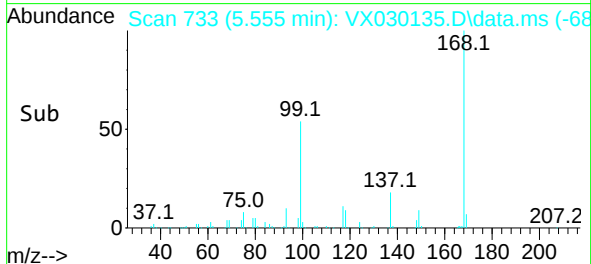
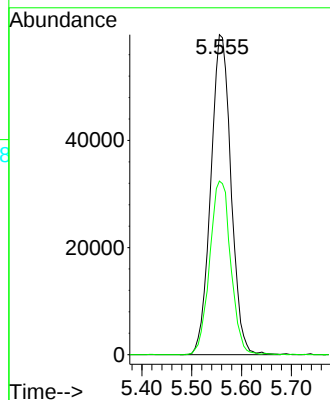
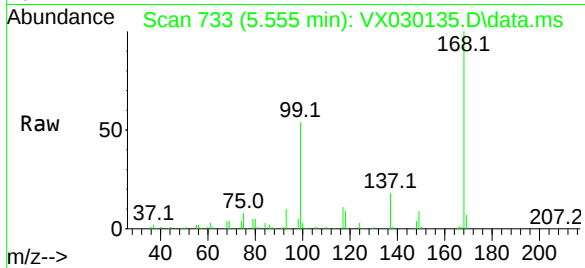




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

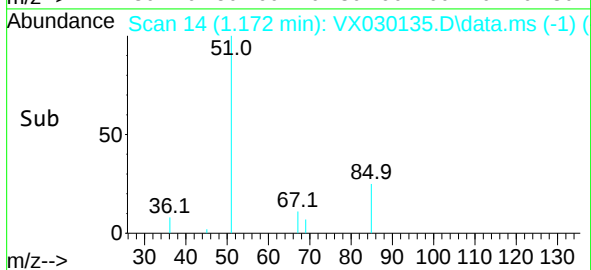
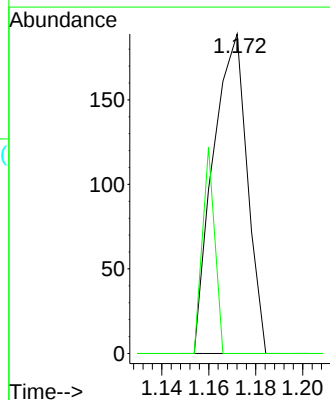
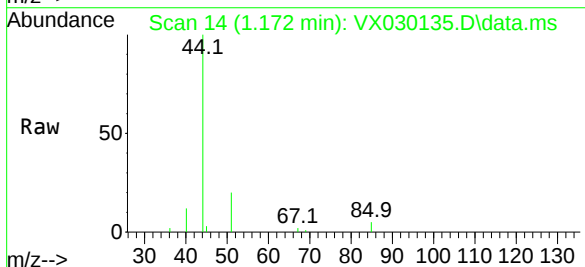
Instrument :
MSVOA_X
ClientSampleId :
SPC-91BN-84DL

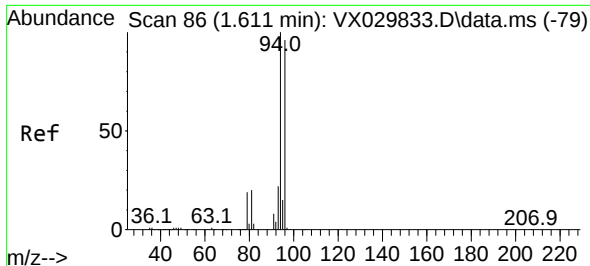
Tgt Ion:168 Resp: 168018
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion: 85 Resp: 190
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

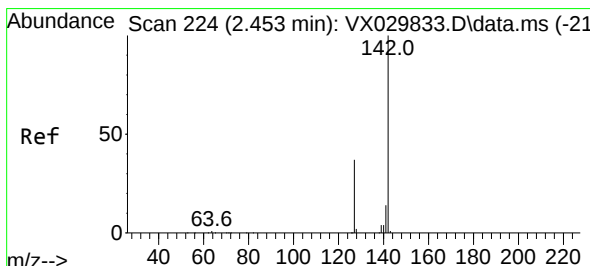
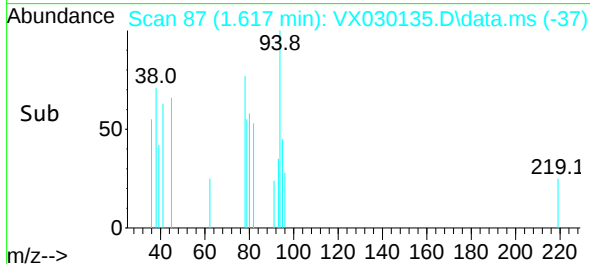
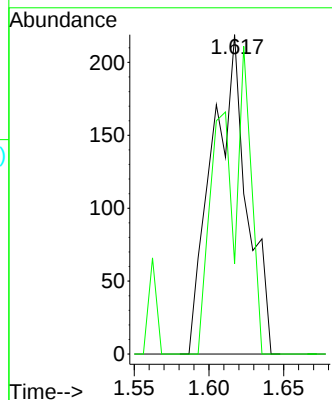
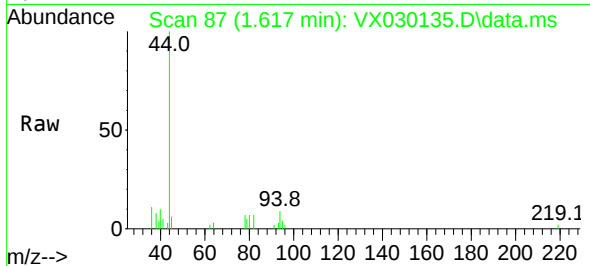




#5
Bromomethane
Concen: 0.429 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

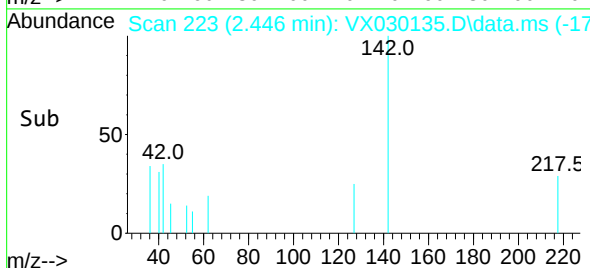
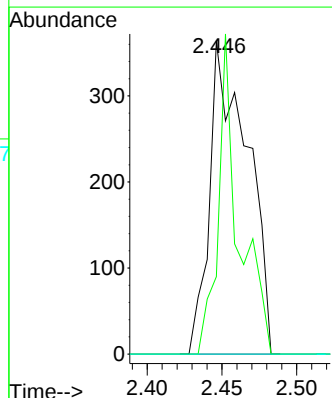
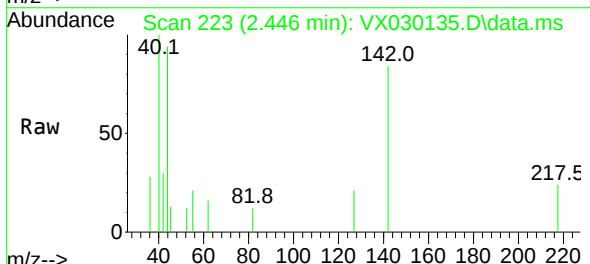
Instrument :
MSVOA_X
ClientSampleId :
SPC-91BN-84DL

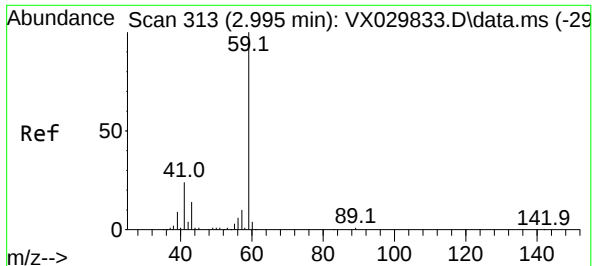
Tgt Ion: 94 Resp: 354
Ion Ratio Lower Upper
94 100
96 28.3 76.9 115.3#



#10
Methyl Iodide
Concen: 2.769 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.007 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion: 142 Resp: 639
Ion Ratio Lower Upper
142 100
127 55.2 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.696 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

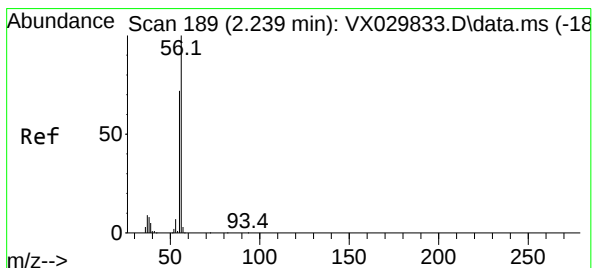
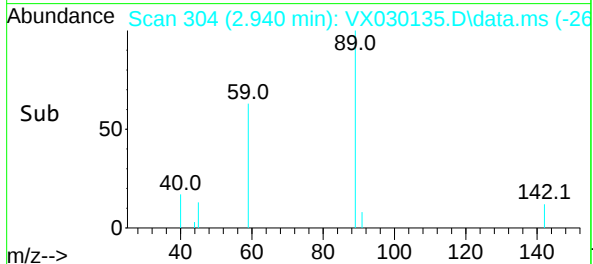
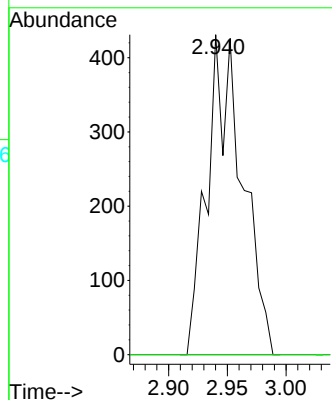
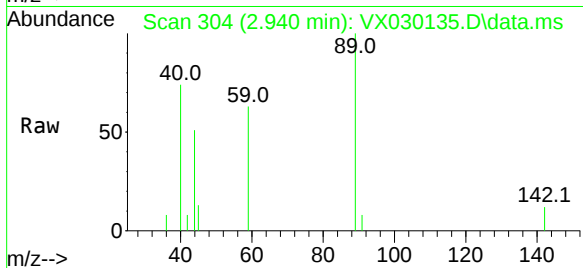
SPC-91BN-84DL

Tgt Ion: 59 Resp: 895

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.628 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX030135.D

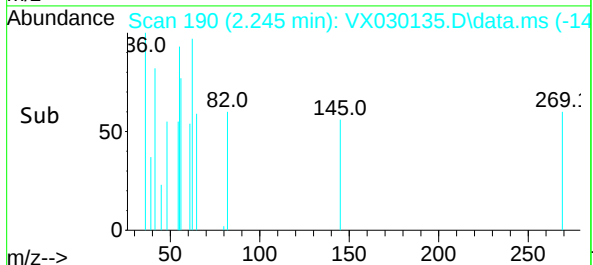
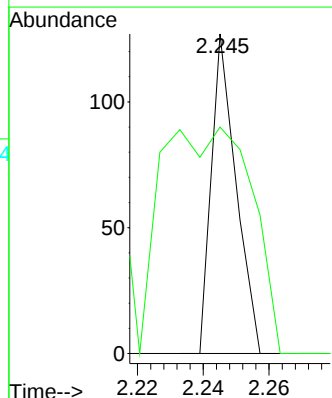
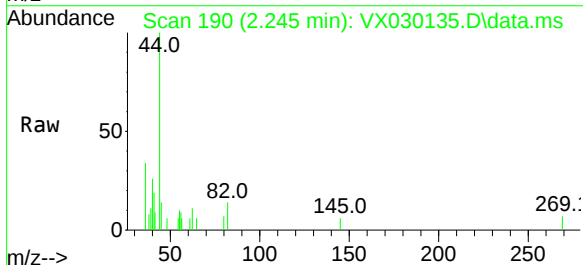
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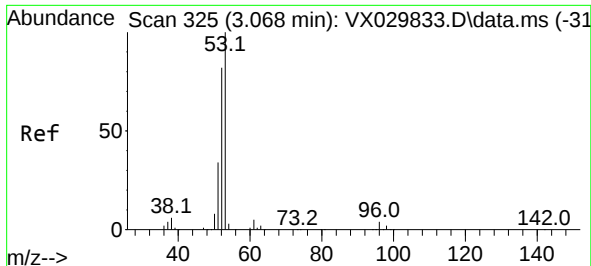
Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 262.1 56.6 84.8#

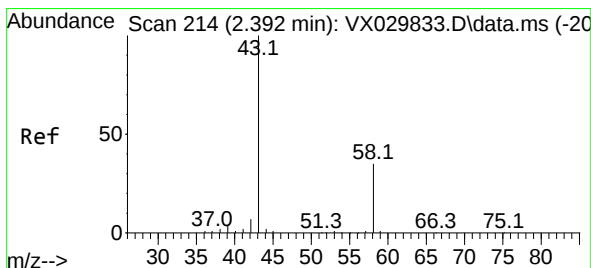
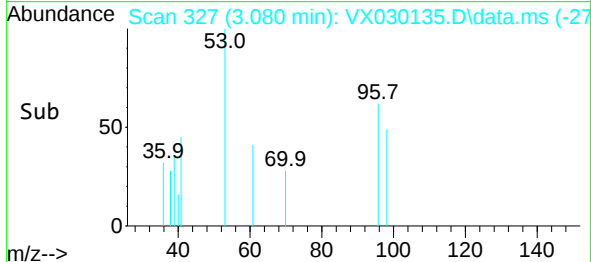
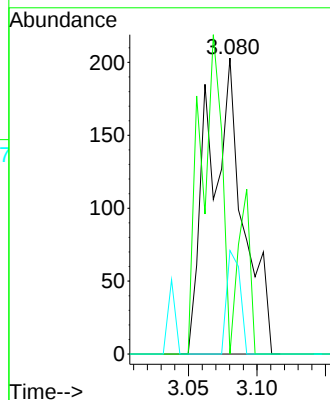
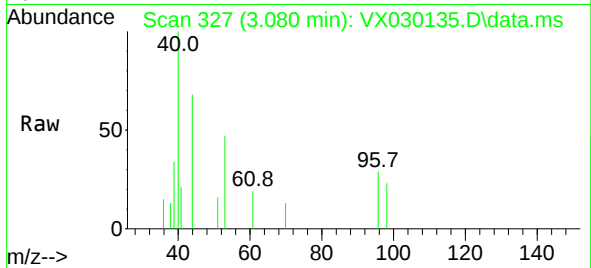




#15
Acrylonitrile
Concen: 0.299 ug/l
RT: 3.080 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

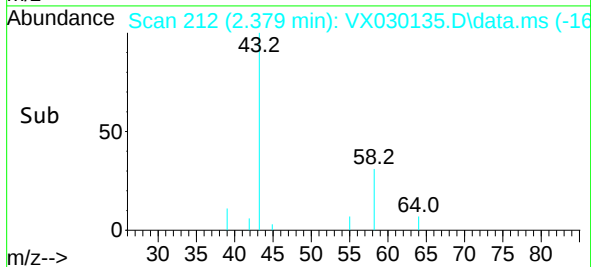
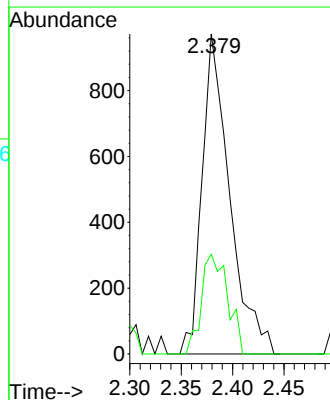
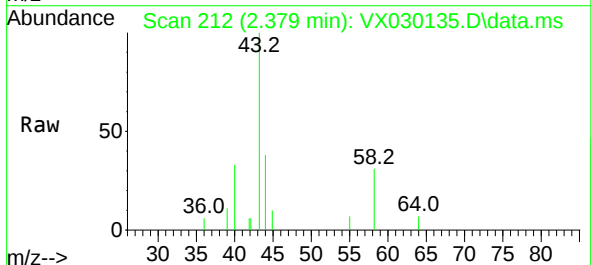
Instrument :
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ClientSampleId :
SPC-91BN-84DL

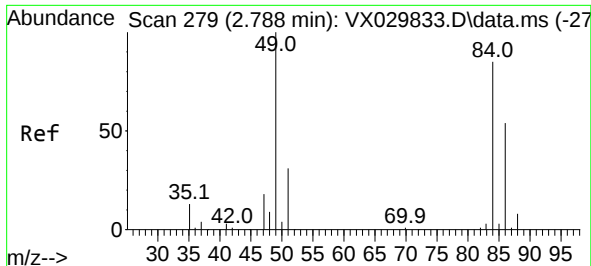
Tgt Ion: 53 Resp: 359
Ion Ratio Lower Upper
53 100
52 65.7 65.4 98.0
51 13.4 27.7 41.5#



#16
Acetone
Concen: 1.888 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.013 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion: 43 Resp: 1819
Ion Ratio Lower Upper
43 100
58 31.2 27.7 41.5



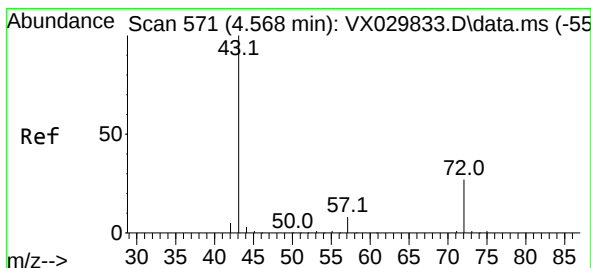
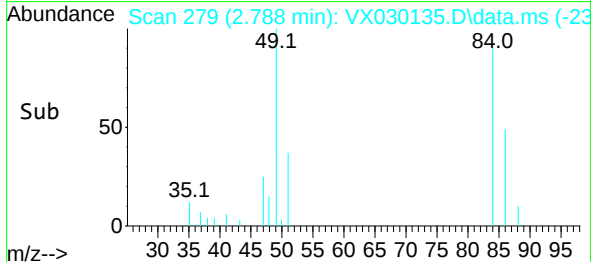
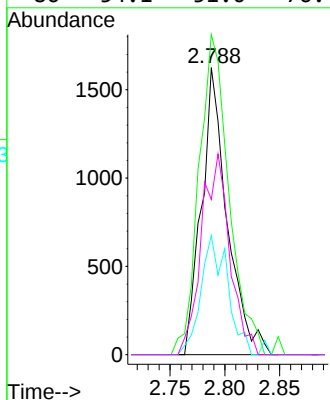
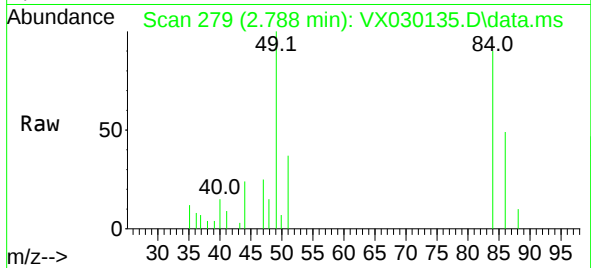


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Instrument :
MSVOA_X
ClientSampleId :
SPC-91BN-84DL

Tgt Ion: 84 Resp: 2645

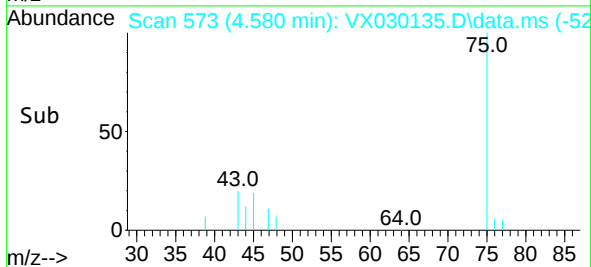
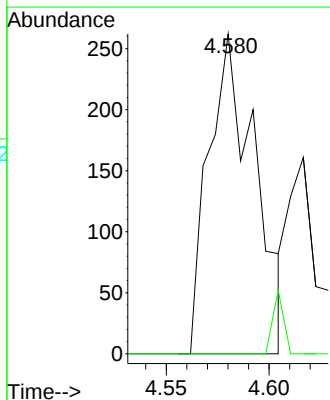
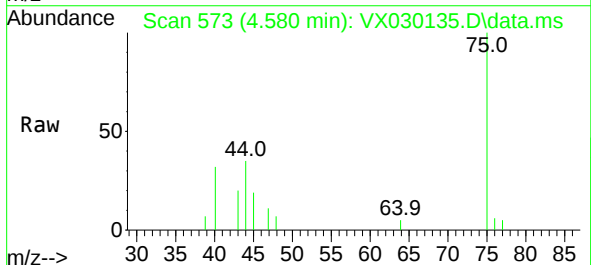
Ion	Ratio	Lower	Upper
84	100		
49	105.8	93.8	140.6
51	41.5	29.4	44.0
86	54.1	51.0	76.4

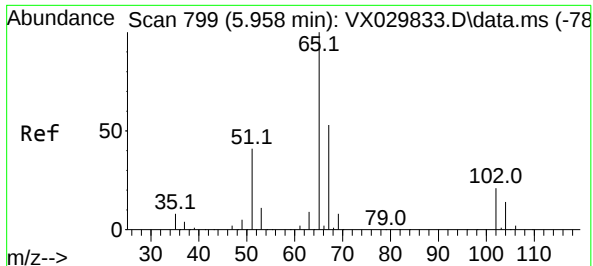


#25
2-Butanone
Concen: 0.250 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion: 43 Resp: 410

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#33

1,2-Dichloroethane-d4

Concen: 51.549 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

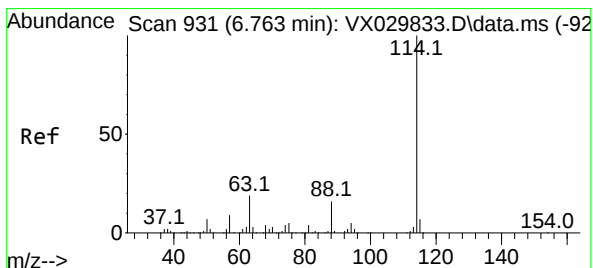
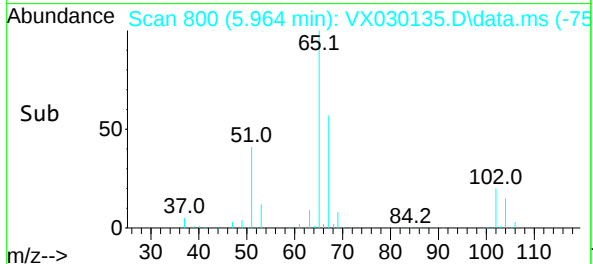
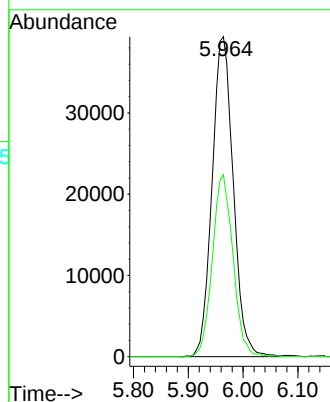
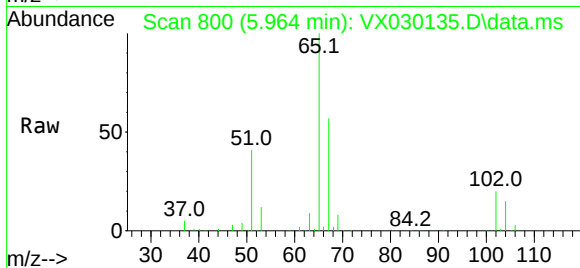
SPC-91BN-84DL

Tgt Ion: 65 Resp: 105422

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

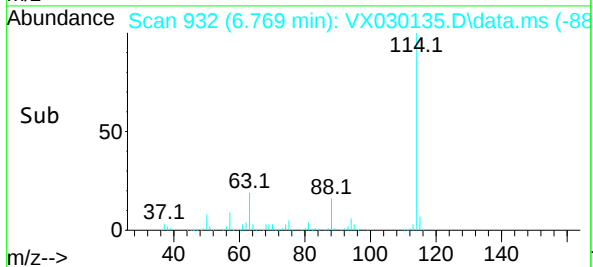
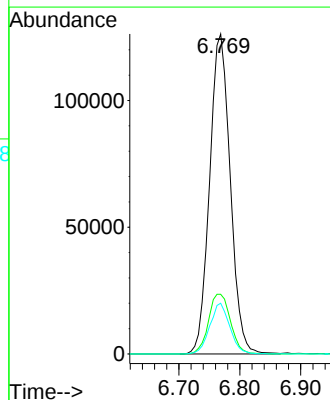
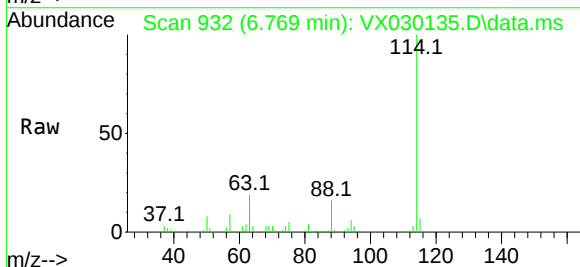
Tgt Ion: 114 Resp: 297199

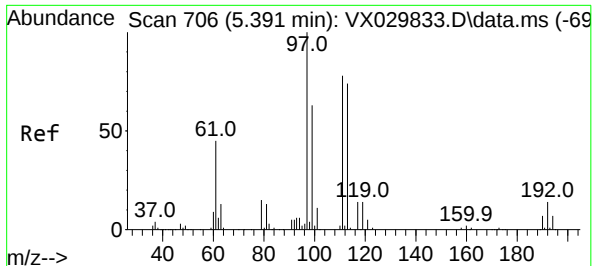
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.711 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030135.D

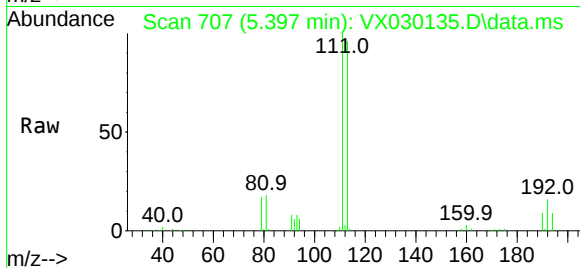
Acq: 20 Jul 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

SPC-91BN-84DL



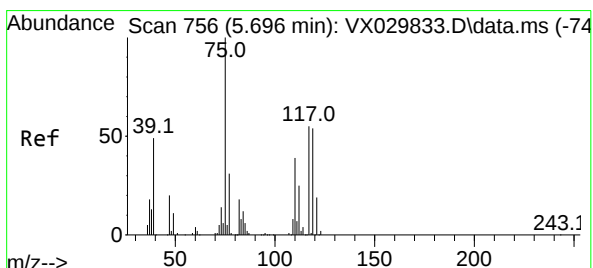
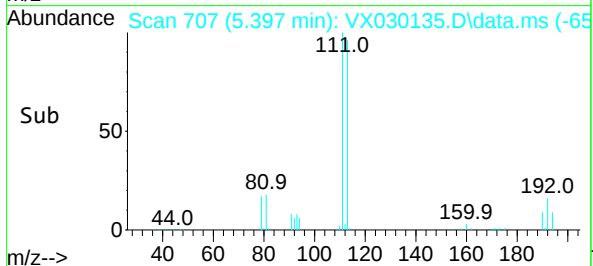
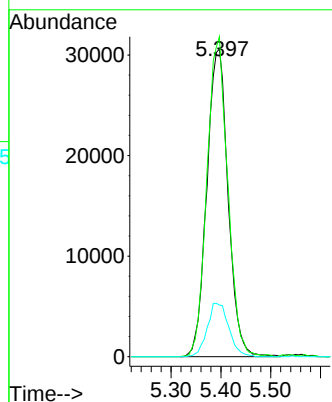
Tgt Ion:113 Resp: 90585

Ion Ratio Lower Upper

113 100

111 101.7 83.2 124.8

192 17.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.295 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.141 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

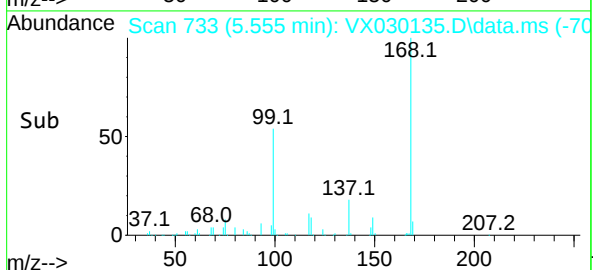
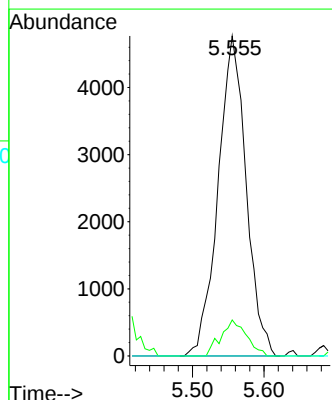
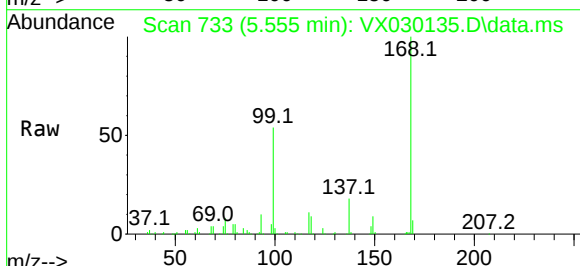
Tgt Ion: 75 Resp: 12986

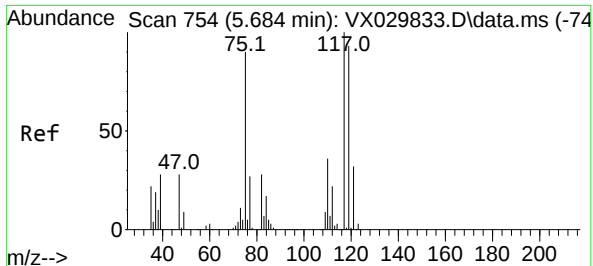
Ion Ratio Lower Upper

75 100

110 10.3 19.3 57.9#

77 0.0 24.4 36.6#

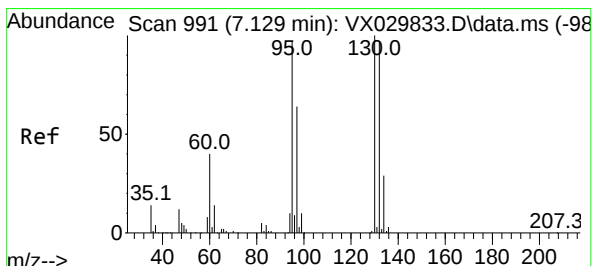
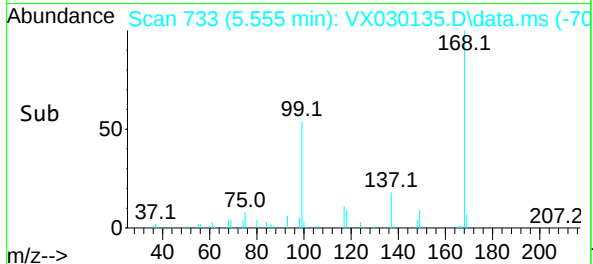
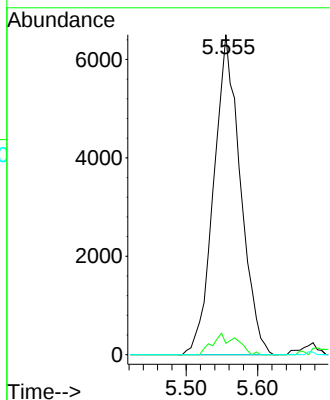
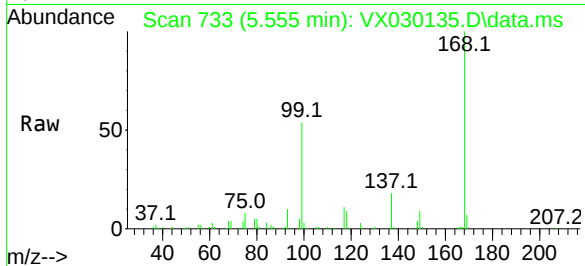




#38
Carbon Tetrachloride
Concen: 7.363 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.129 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

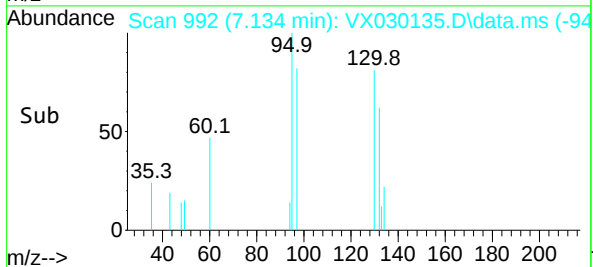
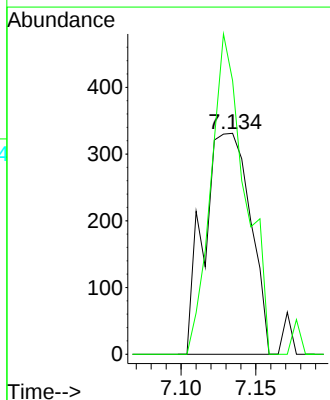
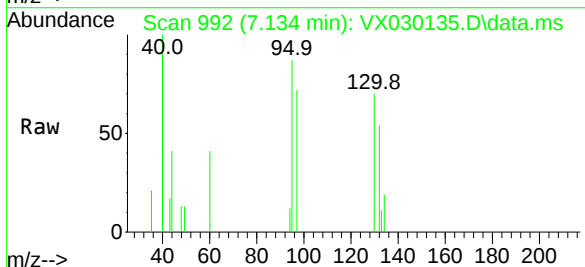
Instrument :
MSVOA_X
ClientSampleId :
SPC-91BN-84DL

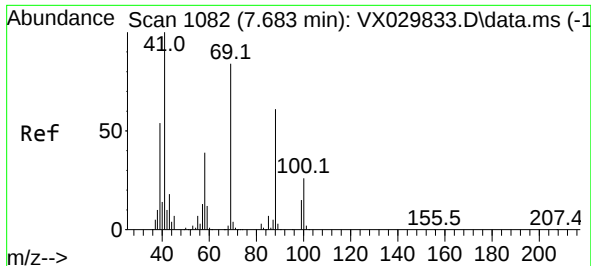
Tgt Ion:117 Resp: 16839
Ion Ratio Lower Upper
117 100
119 3.5 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.316 ug/l
RT: 7.134 min Scan# 992
Delta R.T. 0.005 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion:130 Resp: 712
Ion Ratio Lower Upper
130 100
95 123.9 0.0 194.8





#49

1,4-Dioxane

Concen: 0.352 ug/l

RT: 7.445 min Scan# 1043

Delta R.T. -0.238 min

Lab File: VX030135.D

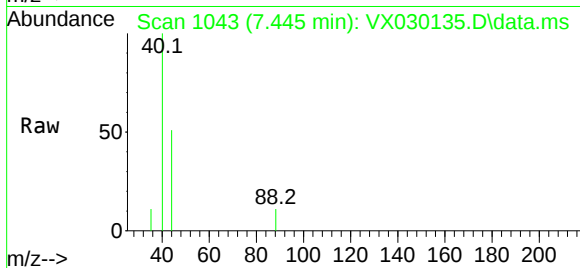
Acq: 20 Jul 2022 16:23

Instrument :

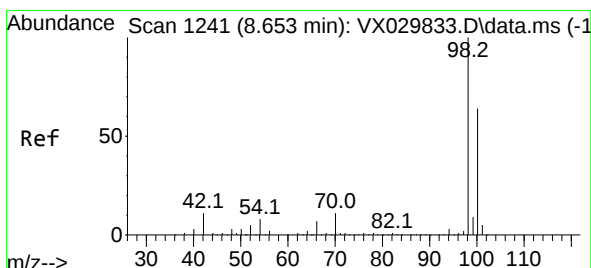
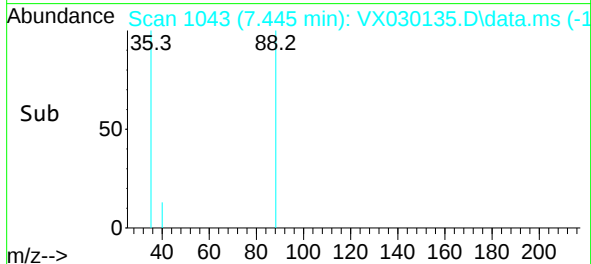
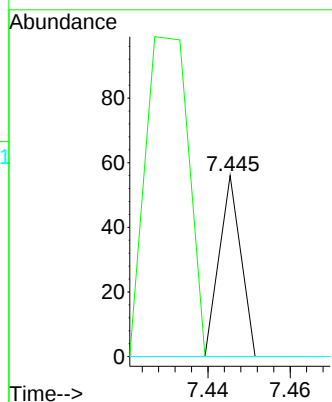
MSVOA_X

ClientSampleId :

SPC-91BN-84DL



Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	360.0	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 48.245 ug/l

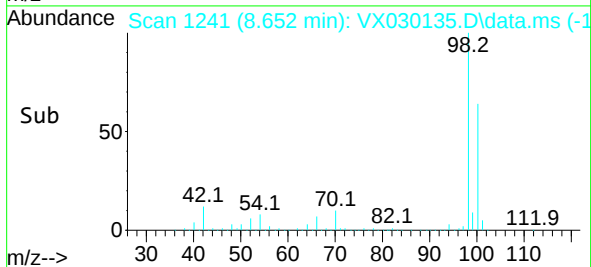
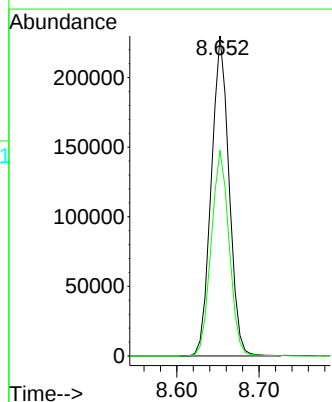
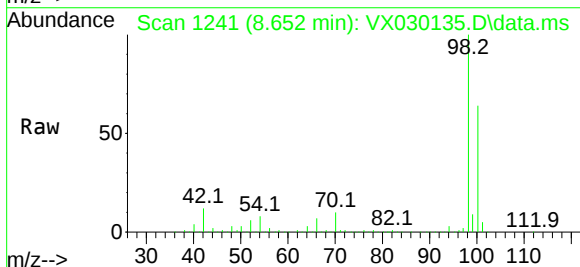
RT: 8.652 min Scan# 1241

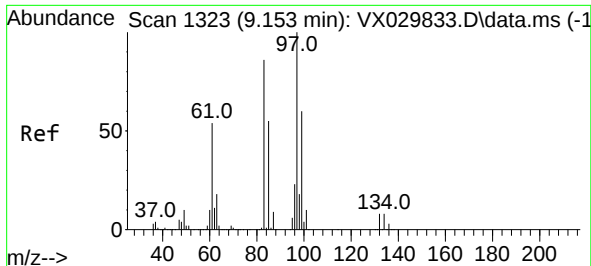
Delta R.T. -0.001 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

Tgt Ion:	98	Resp:	344499
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5





#55

1,1,2-Trichloroethane

Concen: 0.586 ug/l

RT: 9.280 min Scan# 11

Delta R.T. 0.127 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

SPC-91BN-84DL

Tgt Ion: 97 Resp: 1184

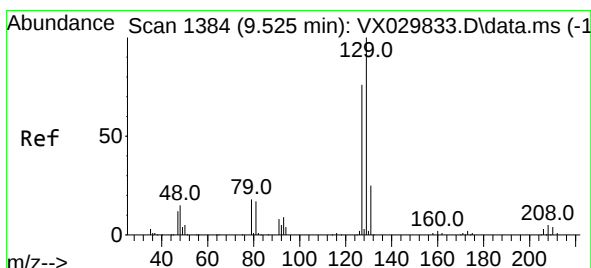
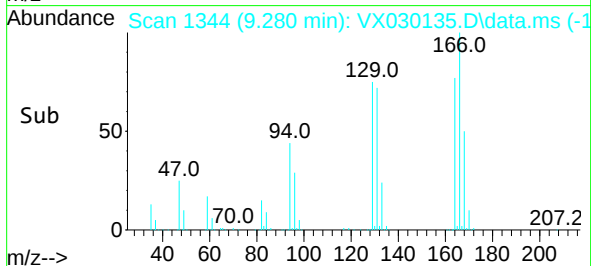
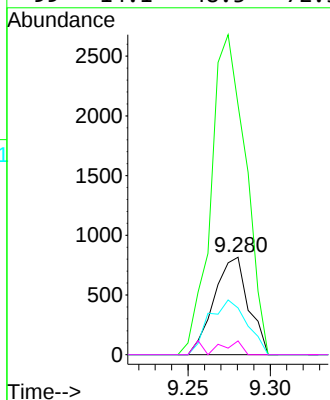
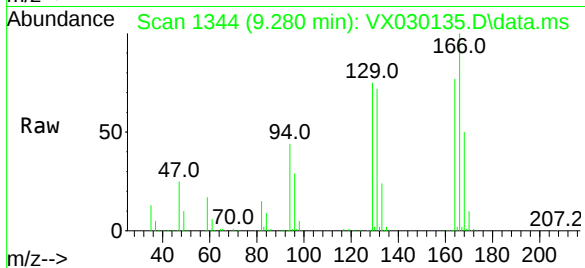
Ion Ratio Lower Upper

97 100

83 256.4 68.9 103.3#

85 47.9 44.0 66.0

99 14.1 48.3 72.5#



#60

Dibromochloromethane

Concen: 72.333 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.251 min

Lab File: VX030135.D

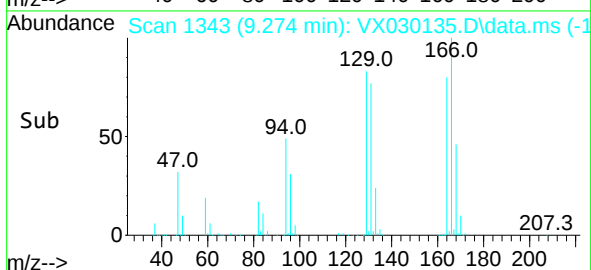
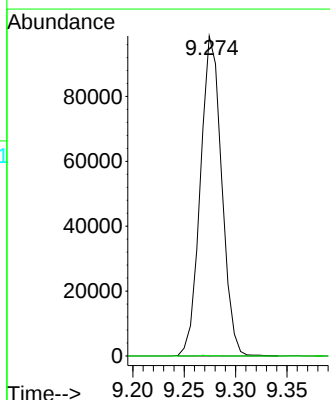
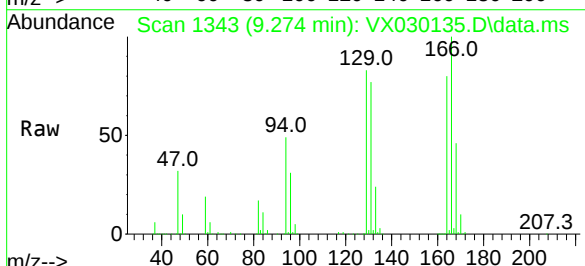
Acq: 20 Jul 2022 16:23

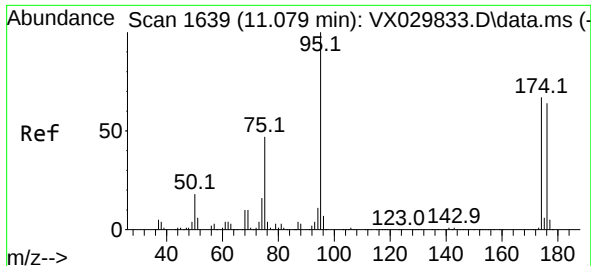
Tgt Ion: 129 Resp: 142440

Ion Ratio Lower Upper

129 100

127 0.1 38.5 115.5#

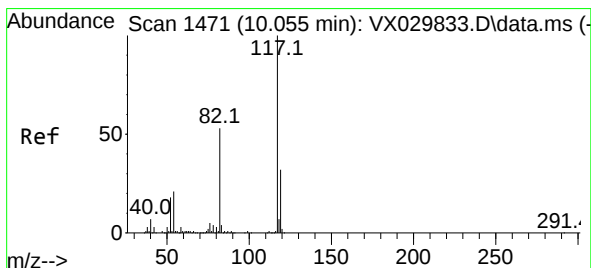
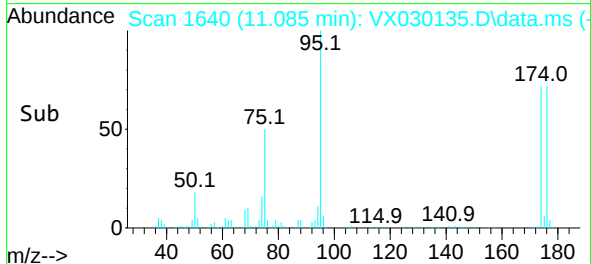
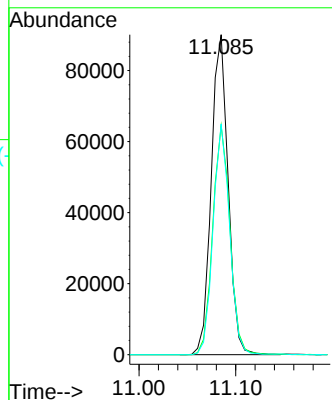
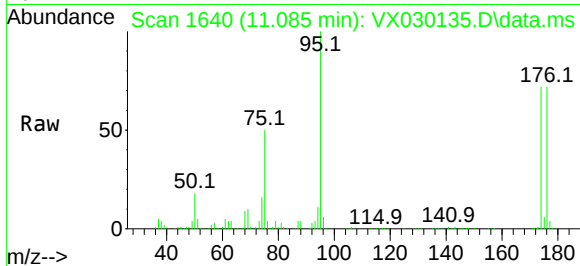




#62
4-Bromofluorobenzene
Concen: 44.157 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

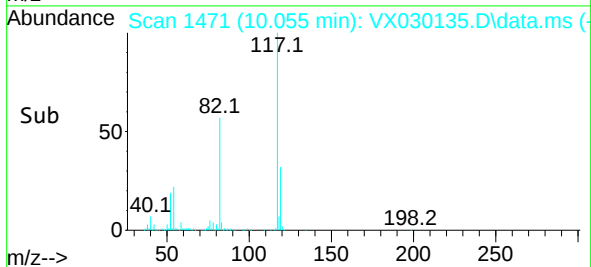
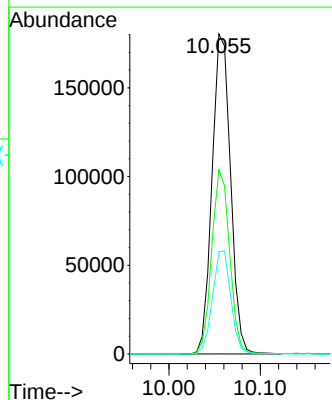
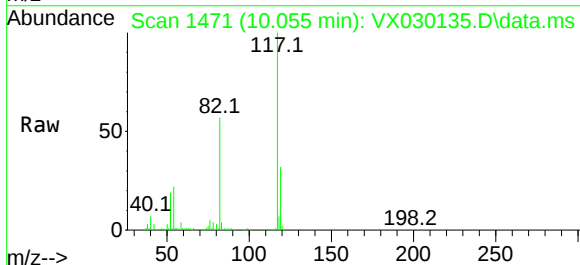
Instrument :
MSVOA_X
ClientSampleId :
SPC-91BN-84DL

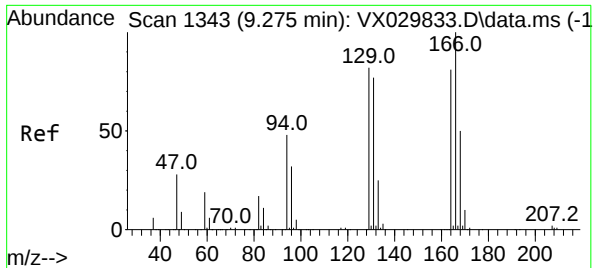
Tgt Ion: 95 Resp: 109420
Ion Ratio Lower Upper
95 100
174 72.9 0.0 149.0
176 70.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion: 117 Resp: 253425
Ion Ratio Lower Upper
117 100
82 57.4 42.7 64.1
119 32.0 25.4 38.2



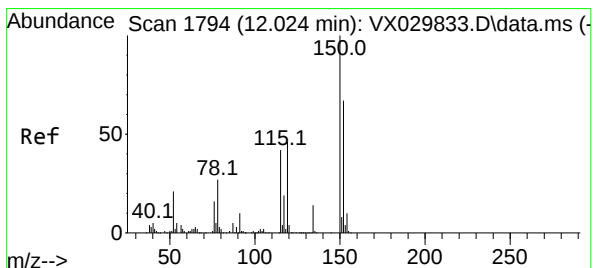
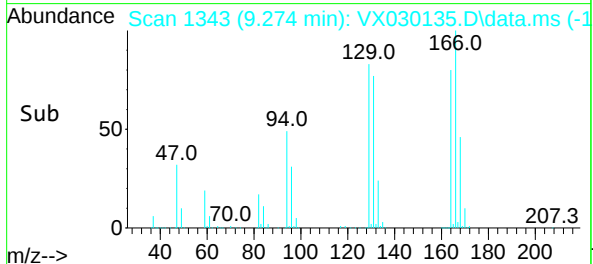
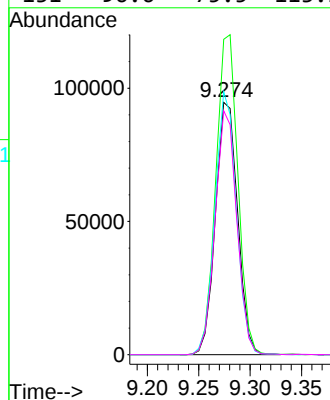
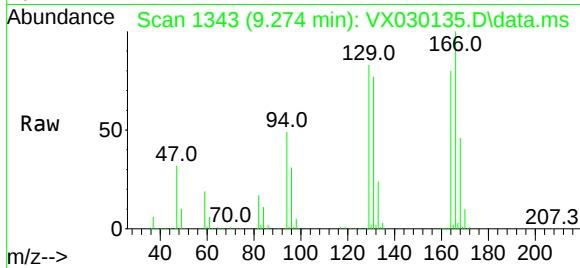


#64
Tetrachloroethene
Concen: 69.599 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Instrument :
MSVOA_X
ClientSampleId :
SPC-91BN-84DL

Tgt Ion:164 Resp: 141588

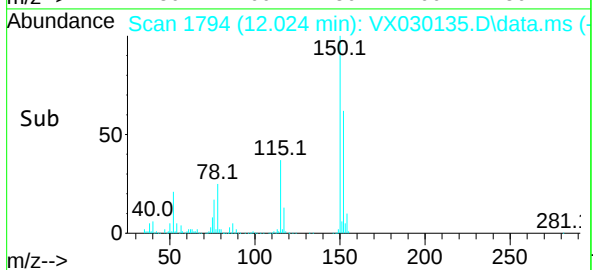
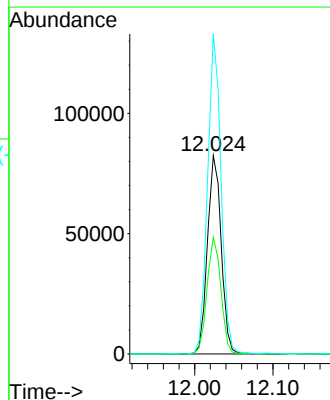
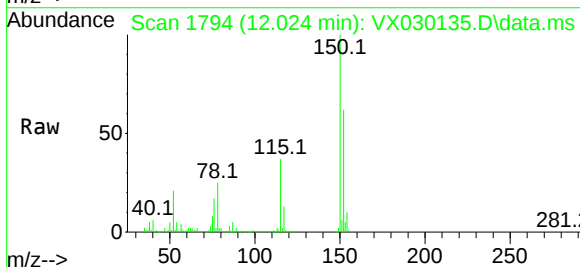
Ion	Ratio	Lower	Upper
164	100		
166	125.0	98.2	147.4
129	104.2	80.8	121.2
131	96.6	75.5	113.3

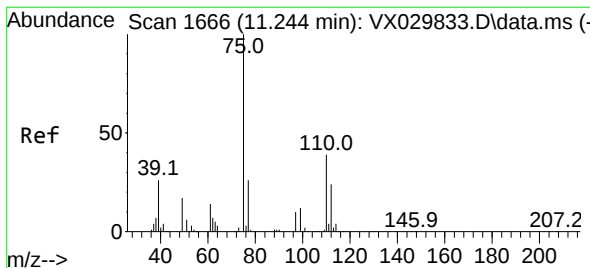


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion:152 Resp: 100616

Ion	Ratio	Lower	Upper
152	100		
115	58.9	40.5	121.5
150	156.9	0.0	347.0

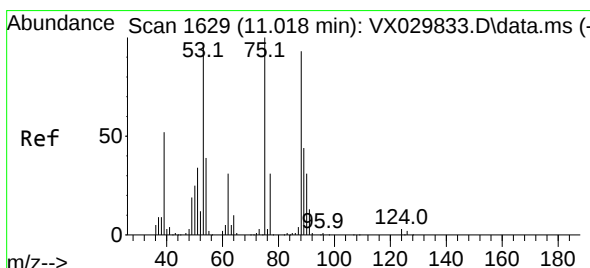
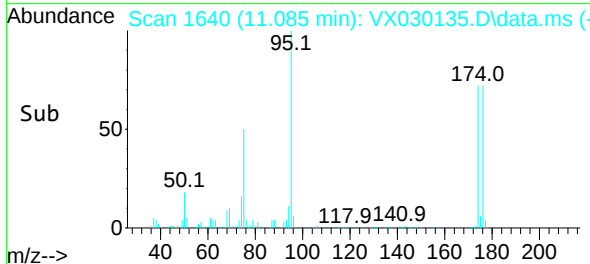
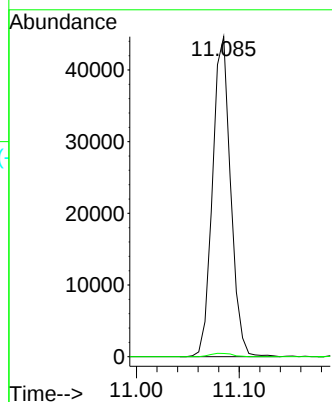
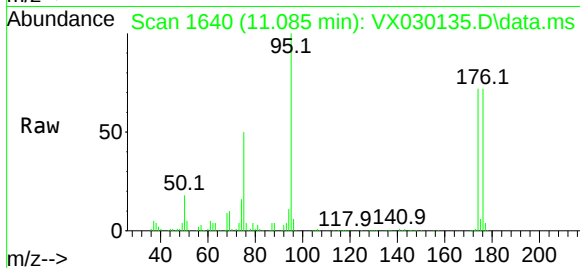




#76
1,2,3-Trichloropropane
Concen: 23.585 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

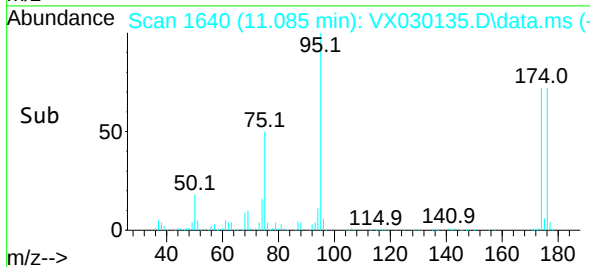
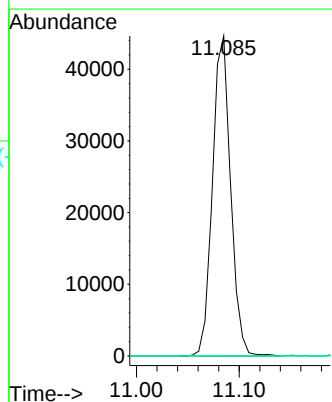
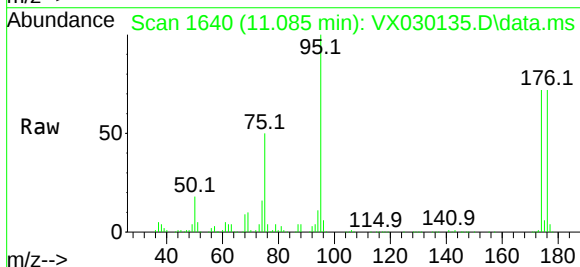
Instrument :
MSVOA_X
ClientSampleId :
SPC-91BN-84DL

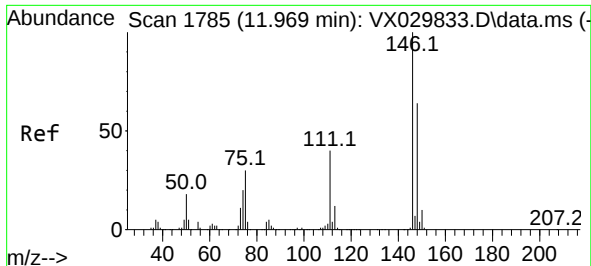
Tgt Ion: 75 Resp: 54561
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.066 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion: 75 Resp: 54561
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#87

1,3-Dichlorobenzene

Concen: 0.231 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

SPC-91BN-84DL

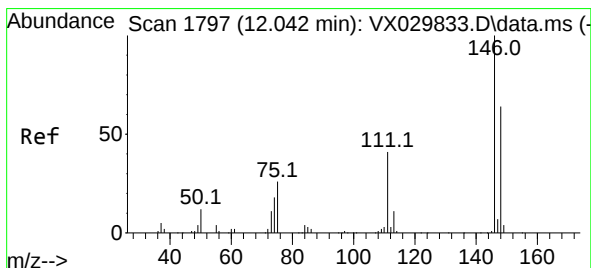
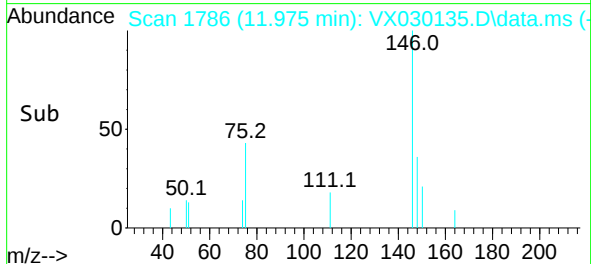
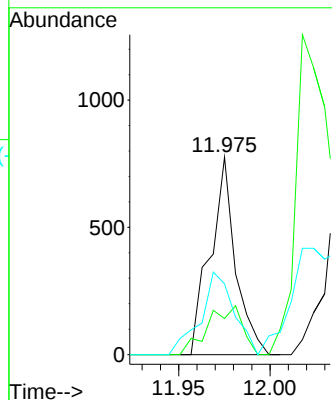
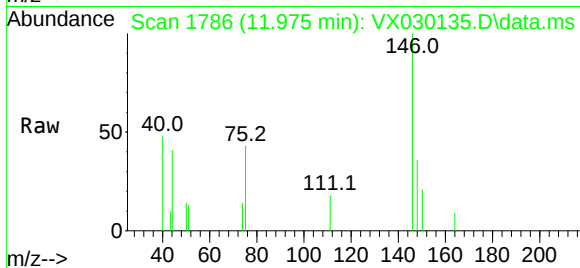
Tgt Ion:146 Resp: 749

Ion Ratio Lower Upper

146 100

111 33.8 20.3 60.8

148 55.0 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.225 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

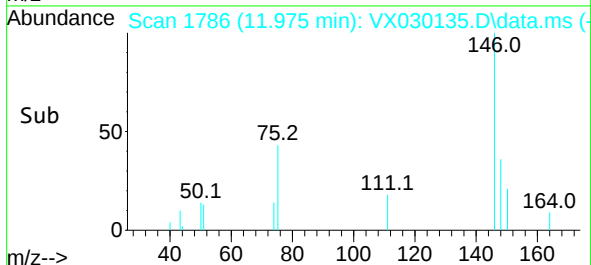
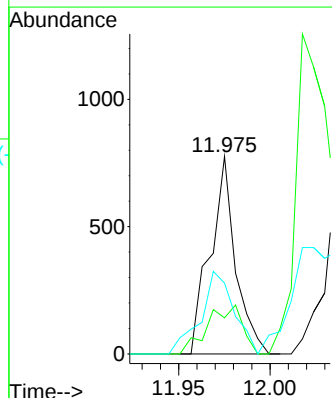
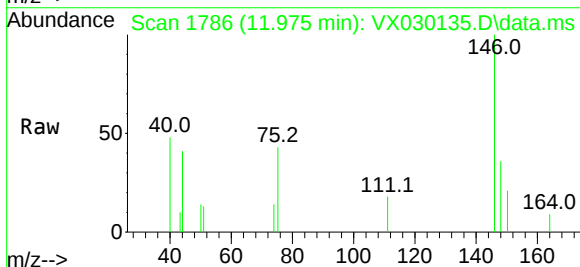
Tgt Ion:146 Resp: 749

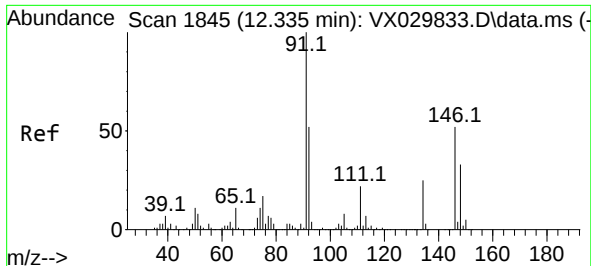
Ion Ratio Lower Upper

146 100

111 33.8 20.3 60.9

148 55.0 32.3 96.8





#89

n-Butylbenzene

Concen: 0.210 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

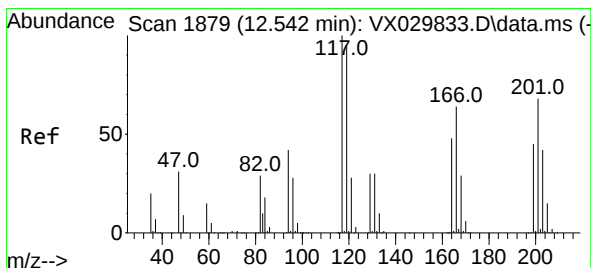
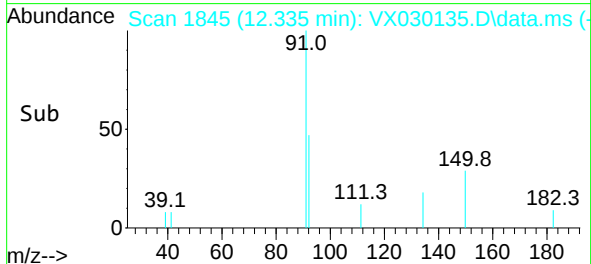
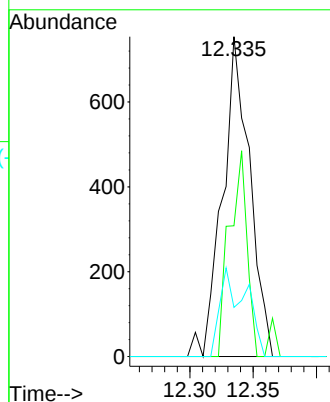
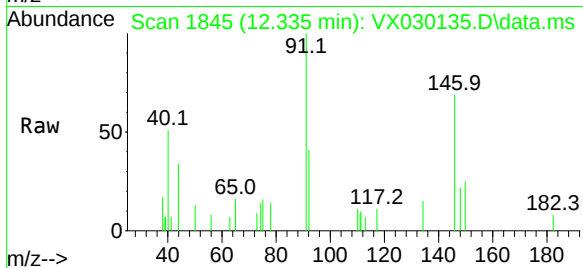
Instrument :

MSVOA_X

ClientSampleId :

SPC-91BN-84DL

Tgt Ion: 91	Resp:	1130
Ion	Ratio	Lower Upper
91	100	
92	41.6	26.2 78.5
134	25.9	12.6 37.8



#90

Hexachloroethane

Concen: 1.128 ug/l

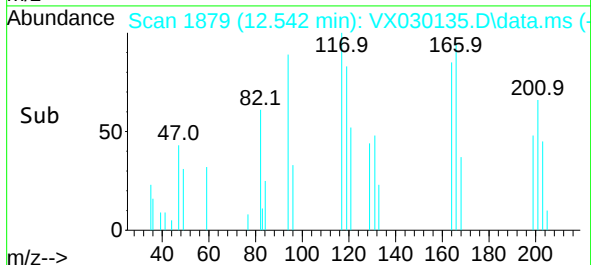
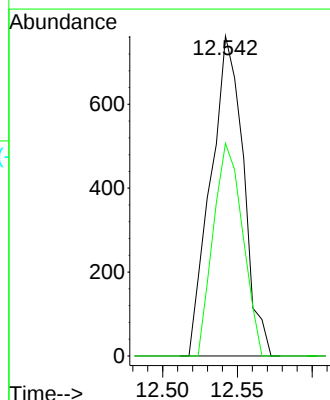
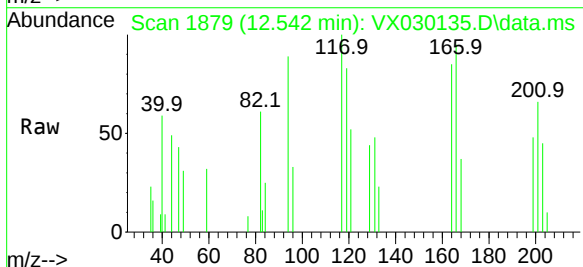
RT: 12.542 min Scan# 1879

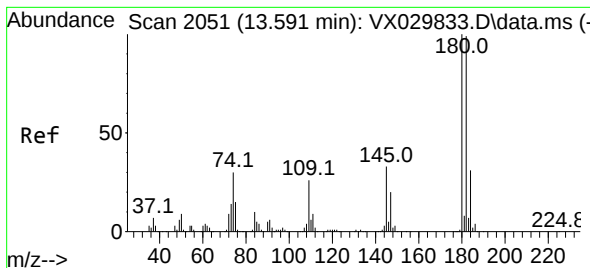
Delta R.T. 0.000 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

Tgt Ion: 117	Resp:	1158
Ion	Ratio	Lower Upper
117	100	
201	59.5	34.2 102.5





#93

1,2,4-Trichlorobenzene

Concen: 0.398 ug/l

RT: 13.597 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

Instrument :

MSVOA_X

ClientSampleId :

SPC-91BN-84DL

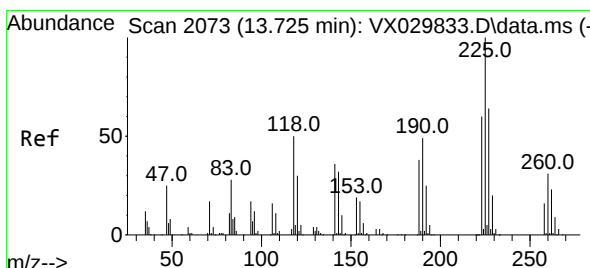
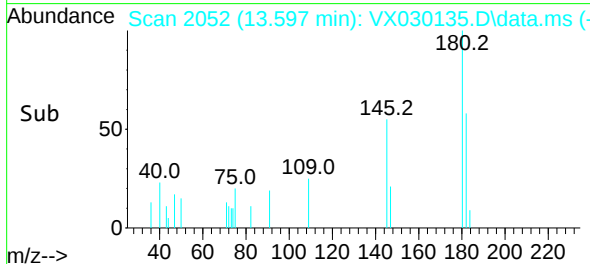
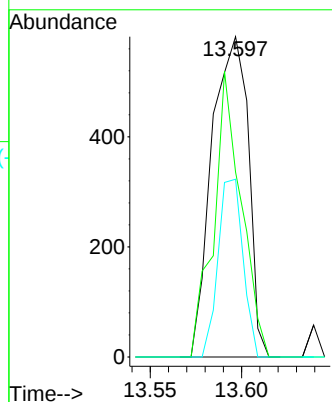
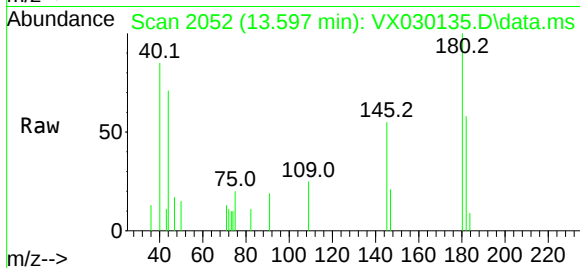
Tgt Ion:180 Resp: 805

Ion Ratio Lower Upper

180 100

182 67.8 48.2 144.6

145 38.0 15.9 47.6



#94

Hexachlorobutadiene

Concen: 0.283 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX030135.D

Acq: 20 Jul 2022 16:23

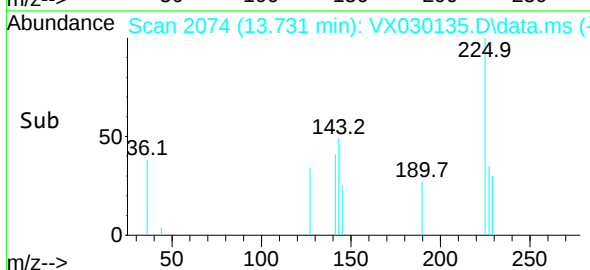
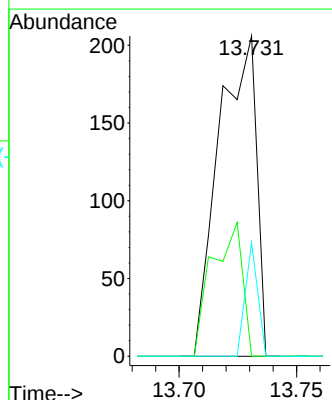
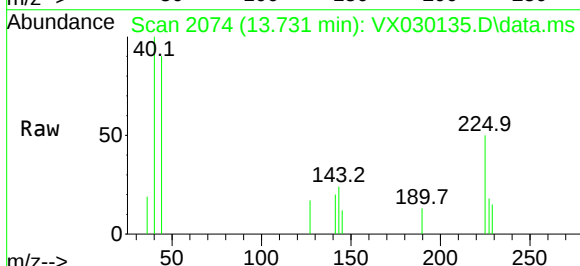
Tgt Ion:225 Resp: 228

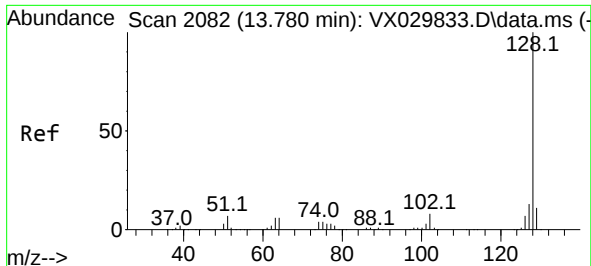
Ion Ratio Lower Upper

225 100

223 33.8 30.6 91.6

227 11.8 31.9 95.9#

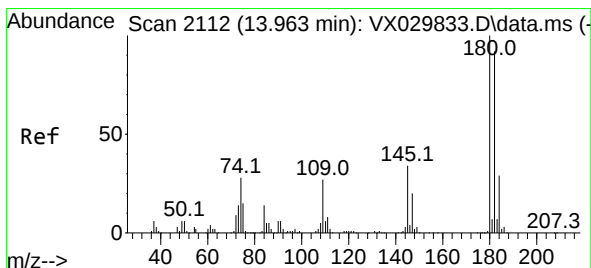
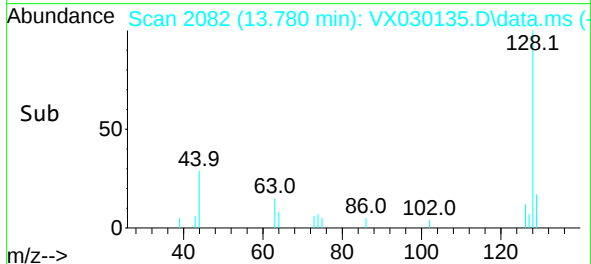
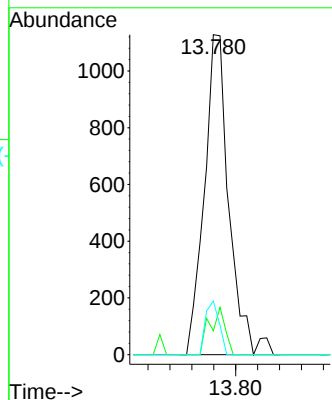
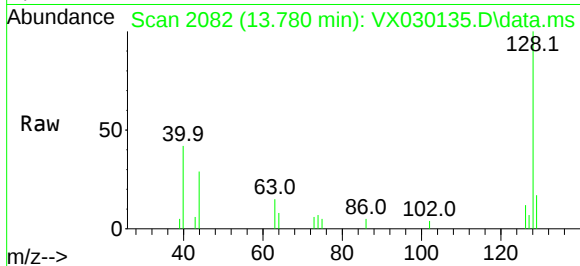




#95
Naphthalene
Concen: 0.220 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Instrument :
MSVOA_X
ClientSampleId :
SPC-91BN-84DL

Tgt Ion:128 Resp: 1762
Ion Ratio Lower Upper
128 100
127 9.4 10.2 15.2#
129 9.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.278 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. -0.001 min
Lab File: VX030135.D
Acq: 20 Jul 2022 16:23

Tgt Ion:180 Resp: 571
Ion Ratio Lower Upper
180 100
182 91.2 47.0 141.0
145 25.7 17.0 50.9

