

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030164.D
 Acq On : 21 Jul 2022 15:56
 Operator : JC/MD
 Sample : N3765-04DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-01A-84DL

Quant Time: Jul 21 16:43:05 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)

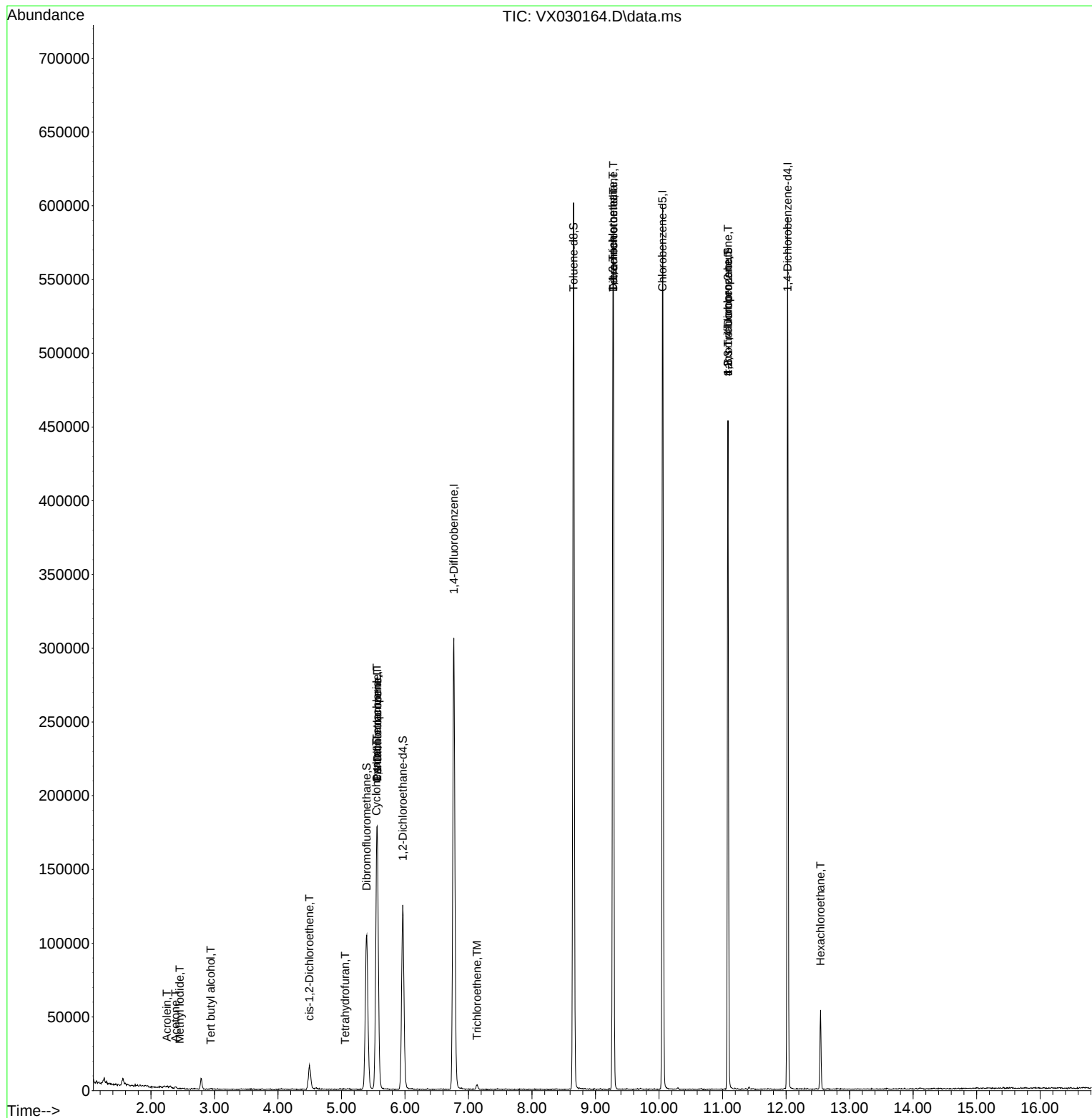
Internal Standards						
1) Pentafluorobenzene	5.562	168	166857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	309520	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112311	55.300	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.600%			
35) Dibromofluoromethane	5.397	113	93632	47.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.700%			
50) Toluene-d8	8.653	98	358076	48.150	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.300%			
62) 4-Bromofluorobenzene	11.085	95	118449	45.898	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.800%			
Target Compounds						Qvalue
10) Methyl Iodide	2.453	142	192	2.517	ug/l #	78
11) Tert butyl alcohol	2.940	59	328	0.626	ug/l #	74
13) Acrolein	2.252	56	24	0.230	ug/l #	1
16) Acetone	2.386	43	1286	1.344	ug/l	99
17) Carbon Disulfide	2.508	76	542	Below Cal	#	74
20) Methylene Chloride	2.794	84	2897	Below Cal	#	92
27) cis-1,2-Dichloroethene	4.495	96	9928	4.575	ug/l	94
29) Tetrahydrofuran	5.056	42	284	0.257	ug/l #	48
31) Cyclohexane	5.550	56	3971	1.349	ug/l #	27
36) 1,1-Dichloropropene	5.562	75	14207	5.562	ug/l #	47
38) Carbon Tetrachloride	5.556	117	17207	7.224	ug/l #	20
44) Trichloroethene	7.135	130	1164	0.496	ug/l	79
55) 1,1,2-Trichloroethane	9.275	97	863	0.410	ug/l #	1
60) Dibromochloromethane	9.281	129	112534	54.872	ug/l #	11
64) Tetrachloroethene	9.281	164	111344	51.669	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	59469	22.767	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59469	65.705	ug/l #	13
90) Hexachloroethane	12.542	117	6189	5.340	ug/l	98

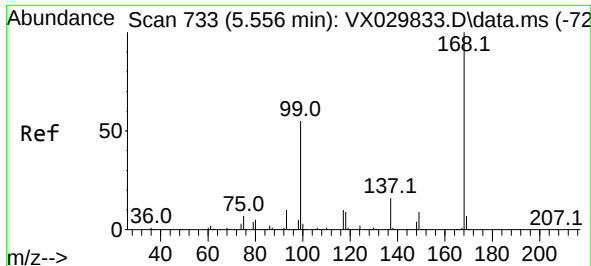
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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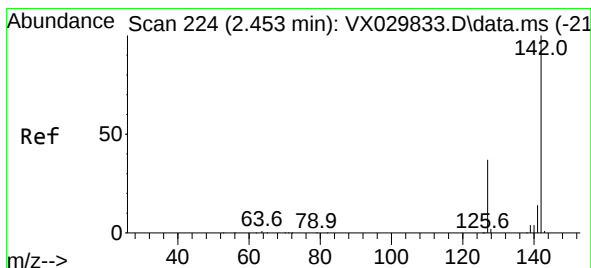
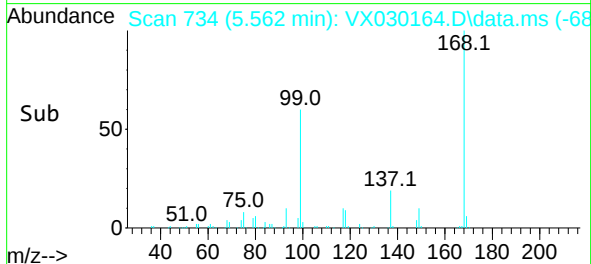
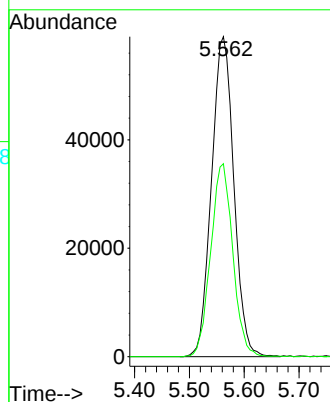
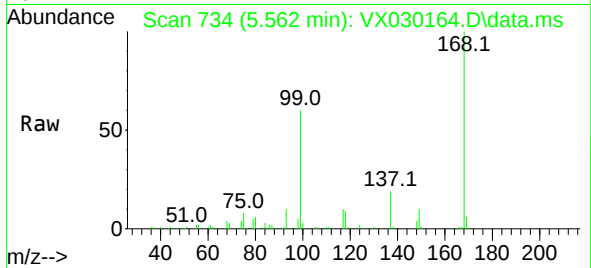




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

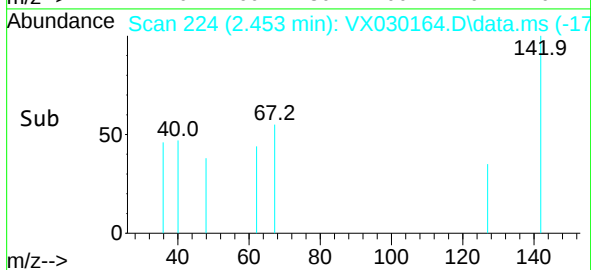
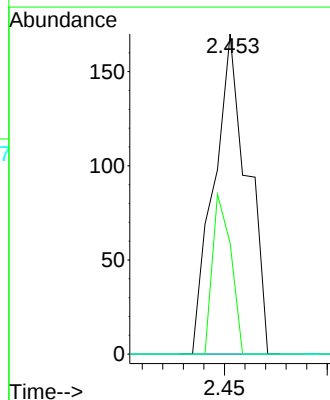
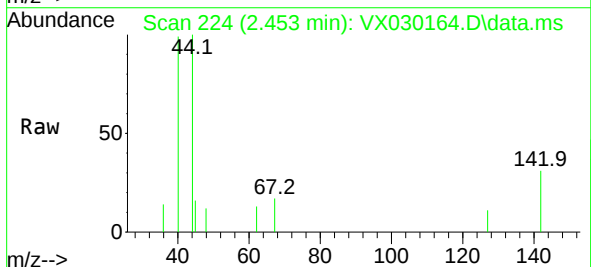
Instrument :
MSVOA_X
ClientSampleId :
SPC-01A-84DL

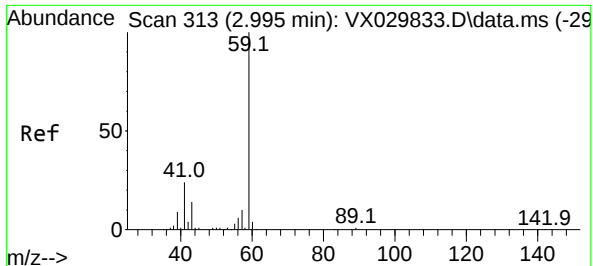
Tgt Ion:168 Resp: 166857
Ion Ratio Lower Upper
168 100
99 60.3 44.0 66.0



#10
Methyl Iodide
Concen: 2.517 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

Tgt Ion:142 Resp: 192
Ion Ratio Lower Upper
142 100
127 27.6 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 0.626 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX030164.D

Acq: 21 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

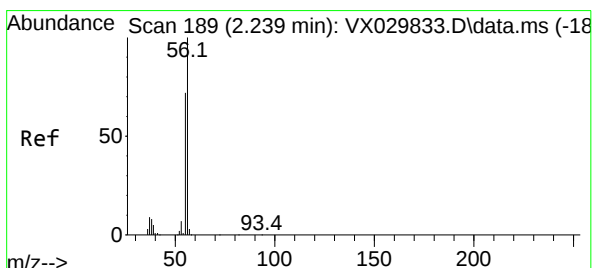
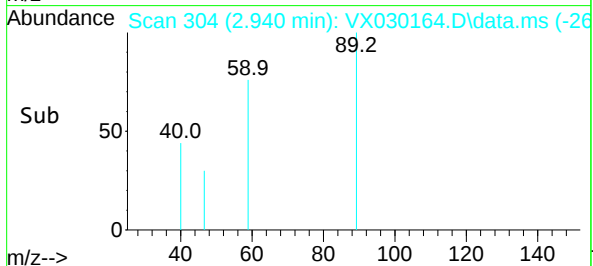
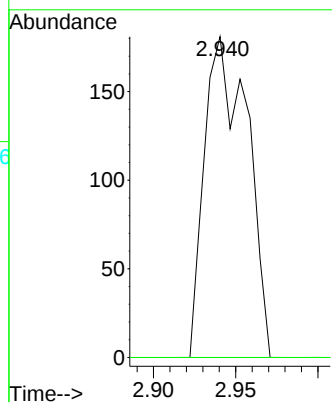
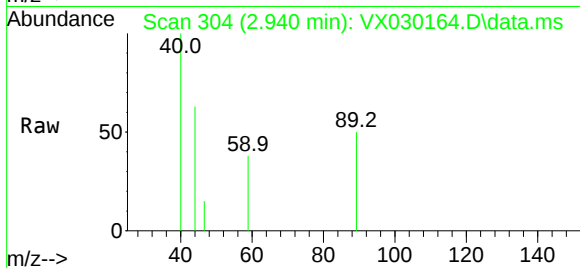
SPC-01A-84DL

Tgt Ion: 59 Resp: 328

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.230 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.013 min

Lab File: VX030164.D

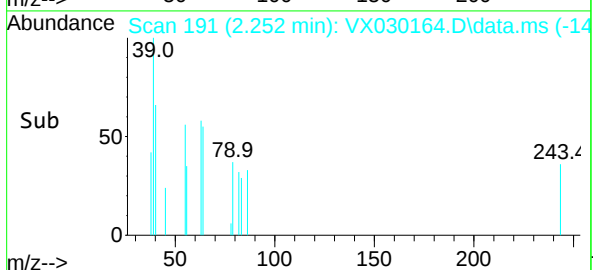
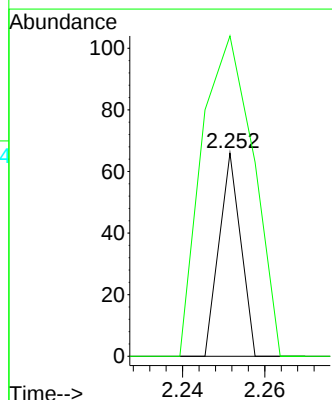
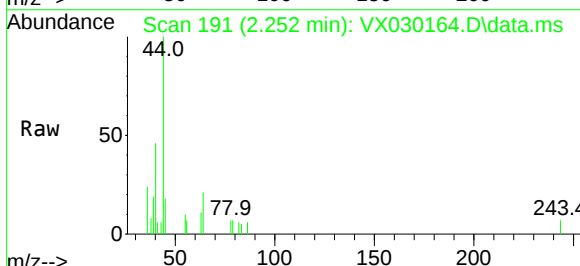
Acq: 21 Jul 2022 15:56

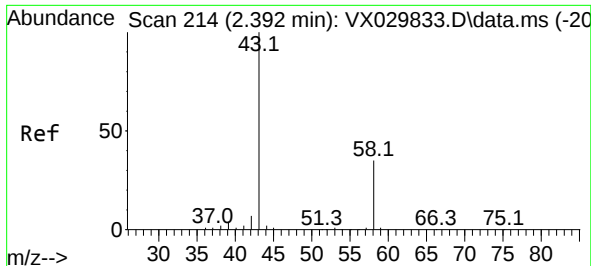
Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 375.0 56.6 84.8#

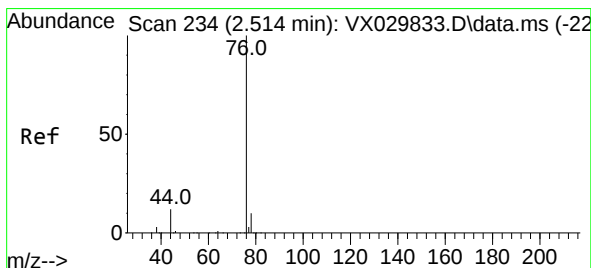
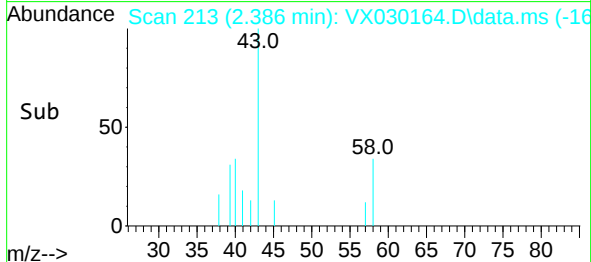
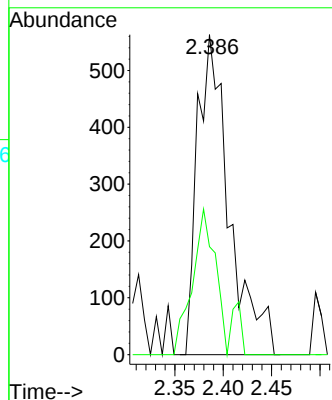
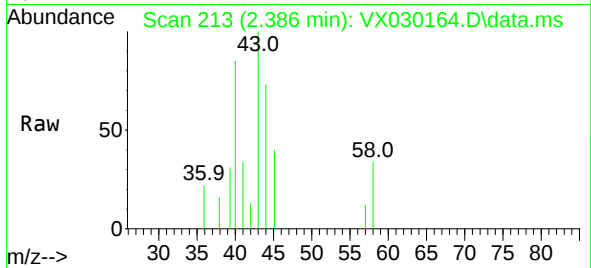




#16
Acetone
Concen: 1.344 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

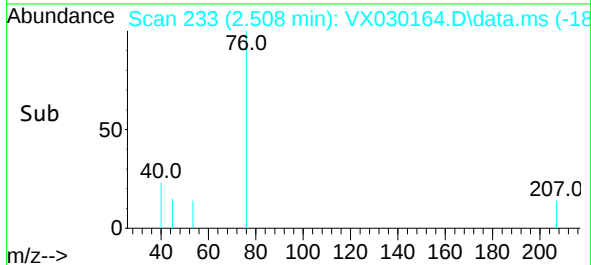
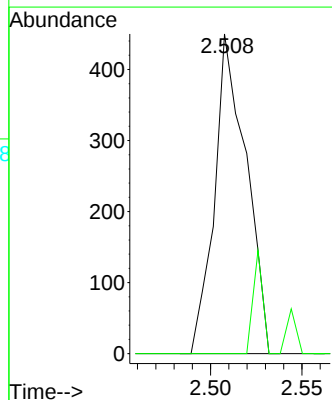
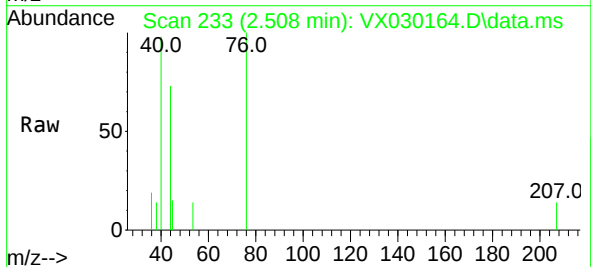
Instrument :
MSVOA_X
ClientSampleId :
SPC-01A-84DL

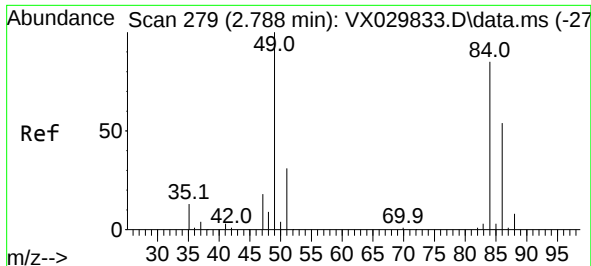
Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 33.7 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

Tgt Ion: 76 Resp: 542
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: VX030164.D

Acq: 21 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

SPC-01A-84DL

Tgt Ion: 84 Resp: 2897

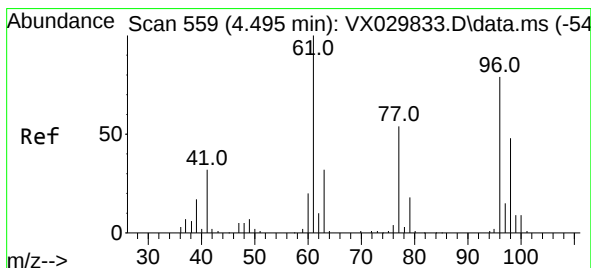
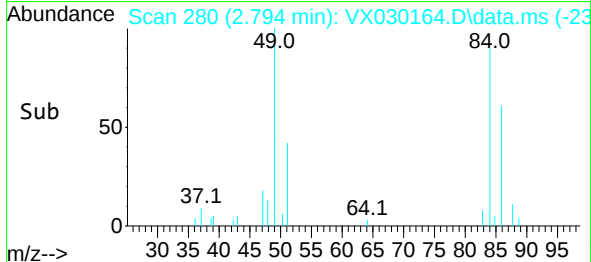
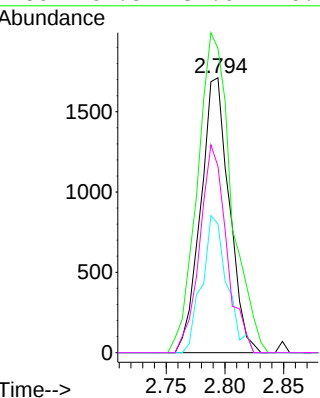
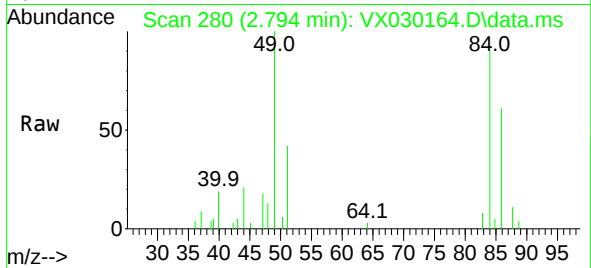
Ion Ratio Lower Upper

84 100

49 110.6 93.8 140.6

51 46.8 29.4 44.0

86 67.8 51.0 76.4



#27

cis-1,2-Dichloroethene

Concen: 4.575 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.000 min

Lab File: VX030164.D

Acq: 21 Jul 2022 15:56

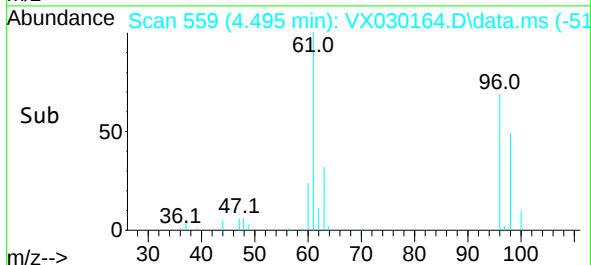
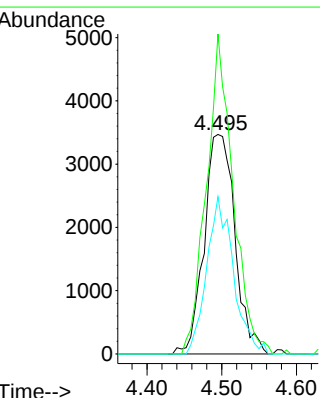
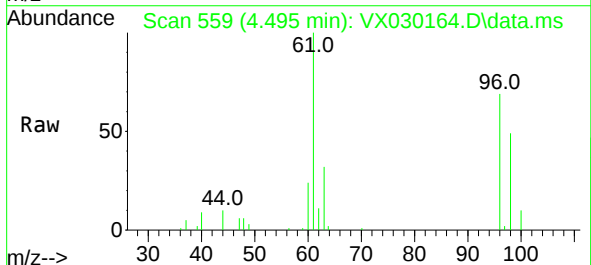
Tgt Ion: 96 Resp: 9928

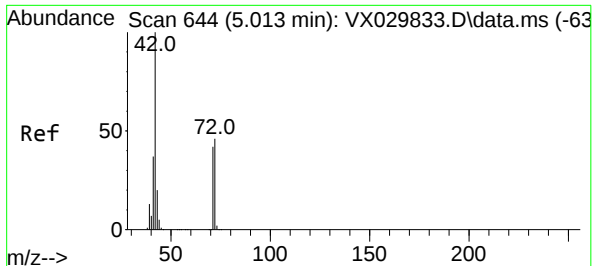
Ion Ratio Lower Upper

96 100

61 126.5 0.0 270.0

98 62.0 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX030164.D

Acq: 21 Jul 2022 15:56

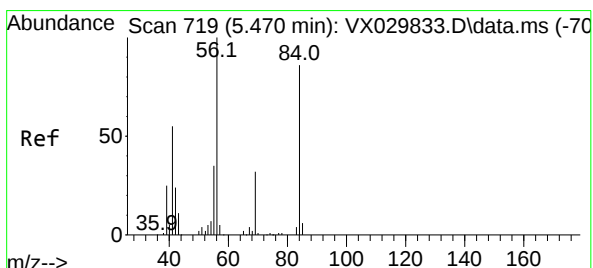
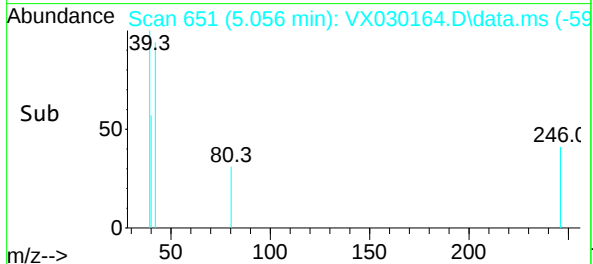
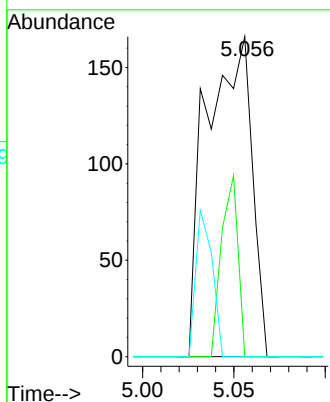
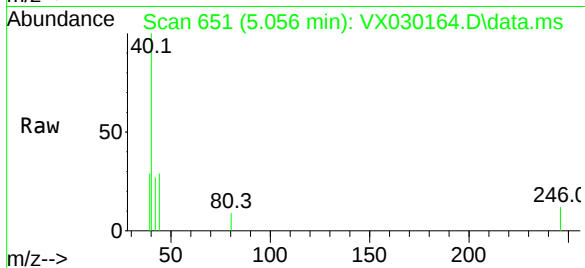
Instrument :

MSVOA_X

ClientSampleId :

SPC-01A-84DL

Tgt Ion:	42	Resp:	284
Ion	Ratio	Lower	Upper
42	100		
72	20.8	36.5	54.7#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.349 ug/l

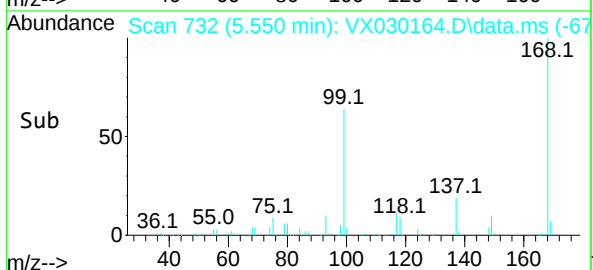
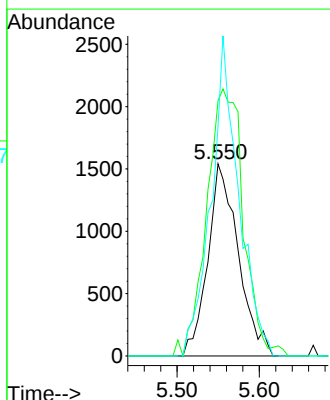
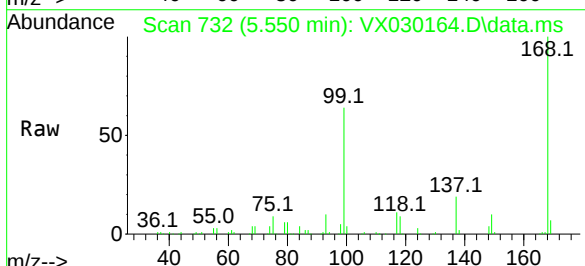
RT: 5.550 min Scan# 732

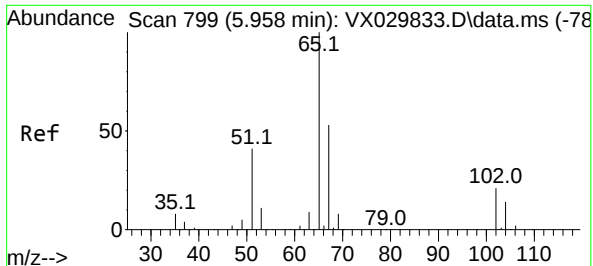
Delta R.T. 0.080 min

Lab File: VX030164.D

Acq: 21 Jul 2022 15:56

Tgt Ion:	56	Resp:	3971
Ion	Ratio	Lower	Upper
56	100		
69	127.7	25.4	38.0#
84	119.7	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 55.300 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030164.D

Acq: 21 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

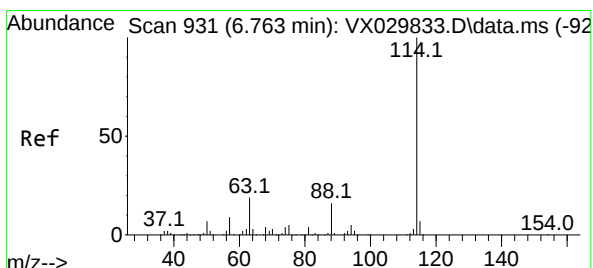
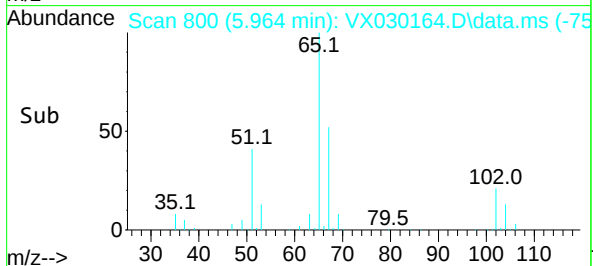
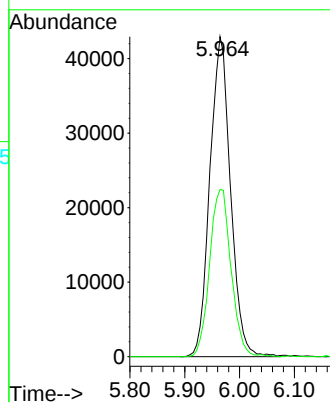
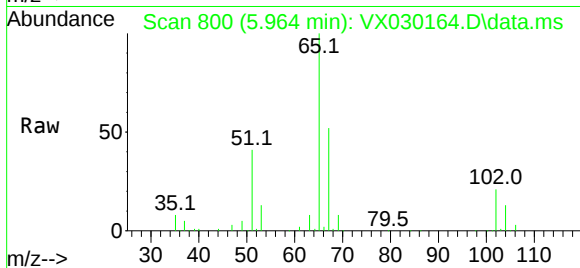
SPC-01A-84DL

Tgt Ion: 65 Resp: 112311

Ion Ratio Lower Upper

65 100

67 54.3 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: VX030164.D

Acq: 21 Jul 2022 15:56

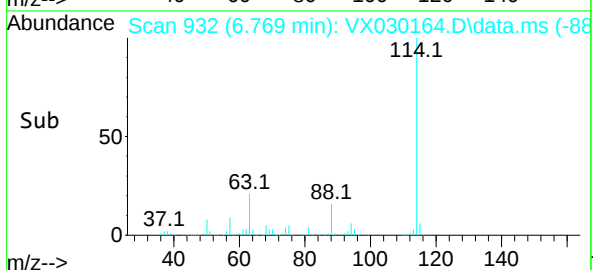
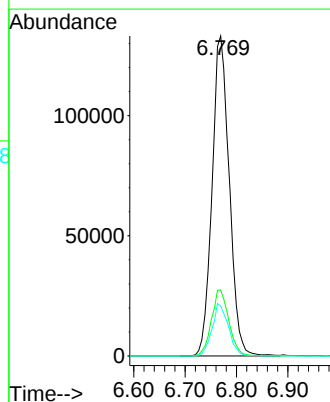
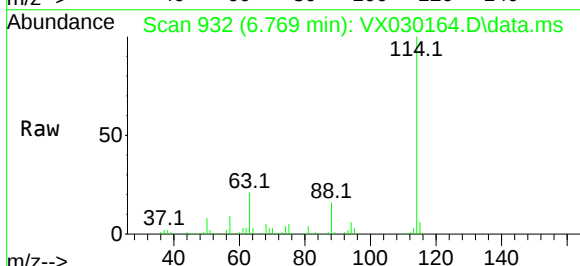
Tgt Ion: 114 Resp: 309520

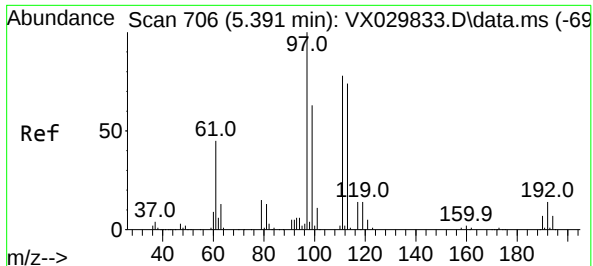
Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.4

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.353 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030164.D

Acq: 21 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

SPC-01A-84DL

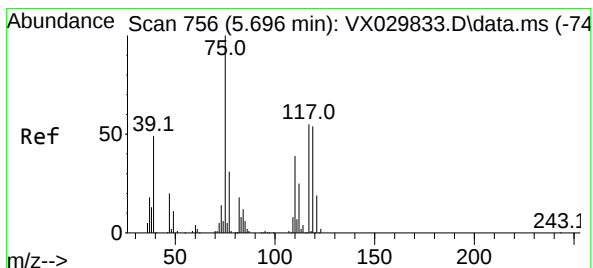
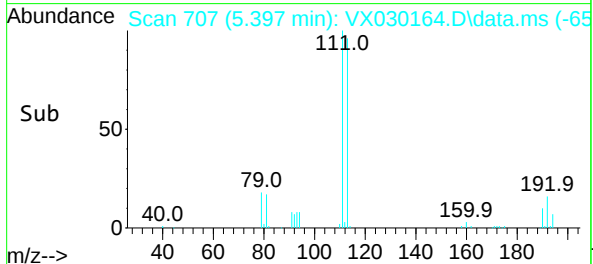
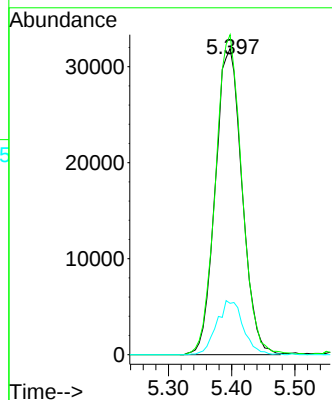
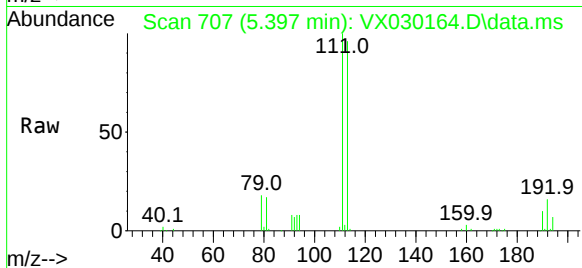
Tgt Ion:113 Resp: 93632

Ion Ratio Lower Upper

113 100

111 103.0 83.2 124.8

192 17.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.562 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030164.D

Acq: 21 Jul 2022 15:56

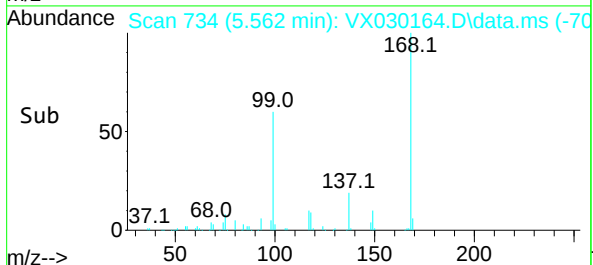
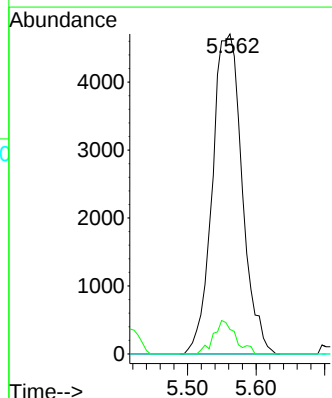
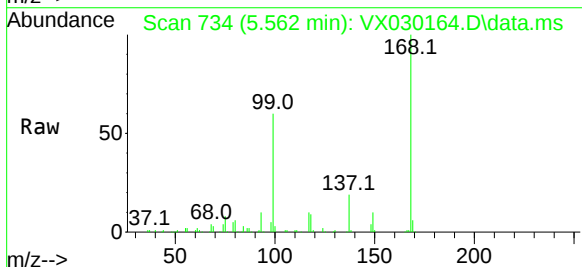
Tgt Ion: 75 Resp: 14207

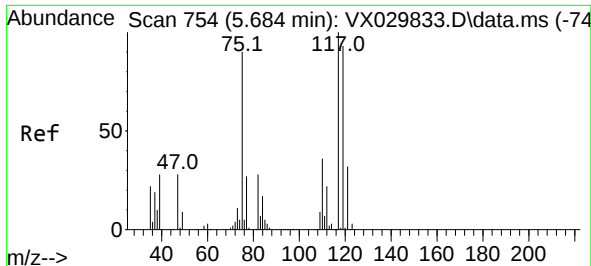
Ion Ratio Lower Upper

75 100

110 7.7 19.3 57.9#

77 0.0 24.4 36.6#

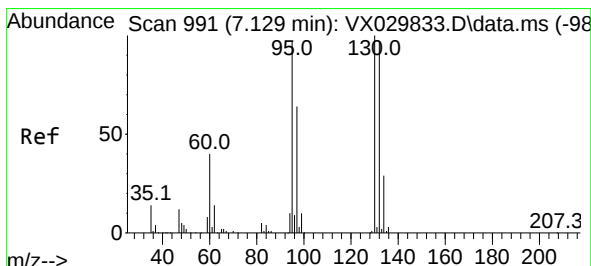
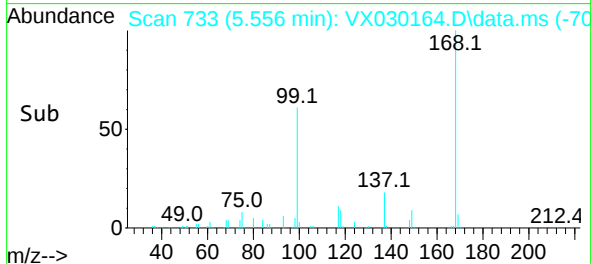
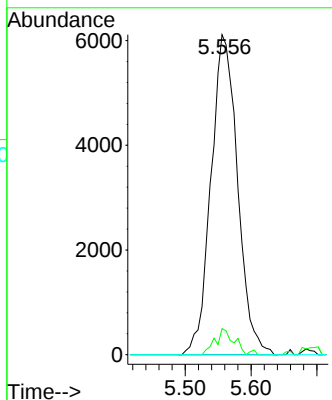
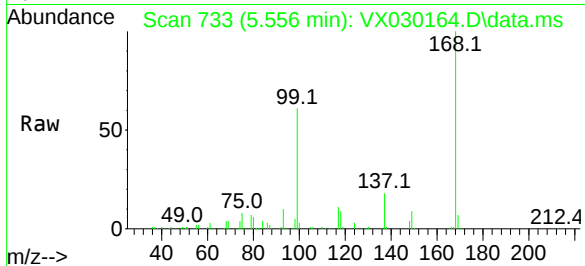




#38
Carbon Tetrachloride
Concen: 7.224 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

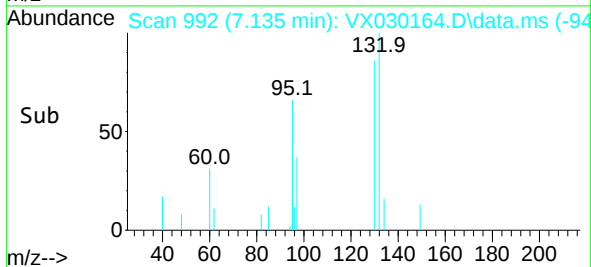
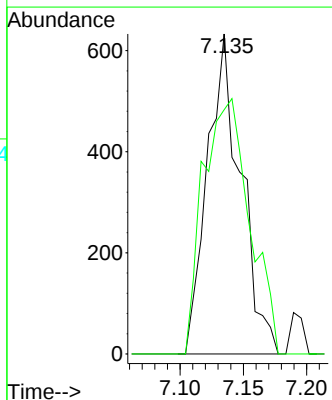
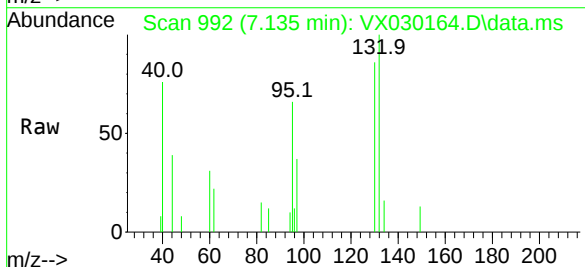
Instrument :
MSVOA_X
ClientSampleId :
SPC-01A-84DL

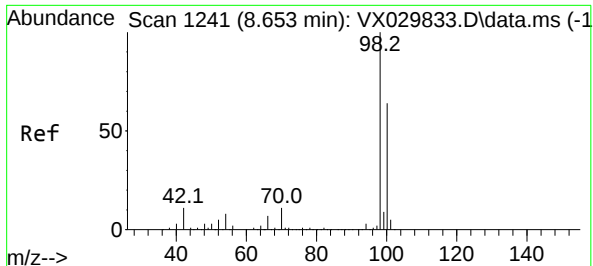
Tgt Ion:117 Resp: 17207
Ion Ratio Lower Upper
117 100
119 8.2 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.496 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

Tgt Ion:130 Resp: 1164
Ion Ratio Lower Upper
130 100
95 76.3 0.0 194.8

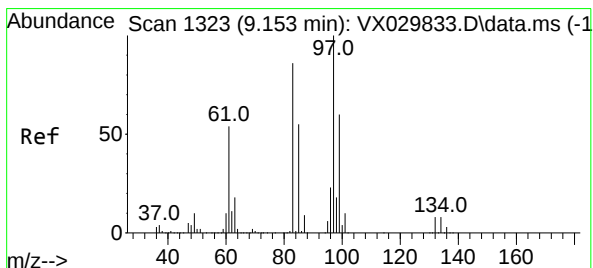
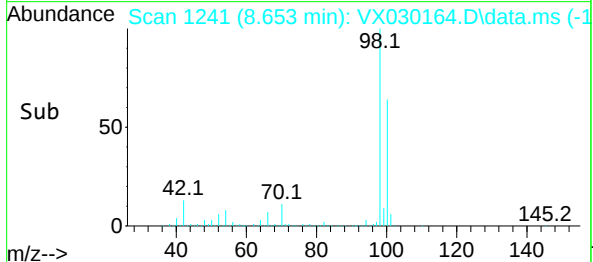
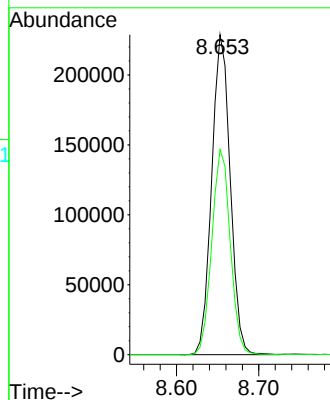
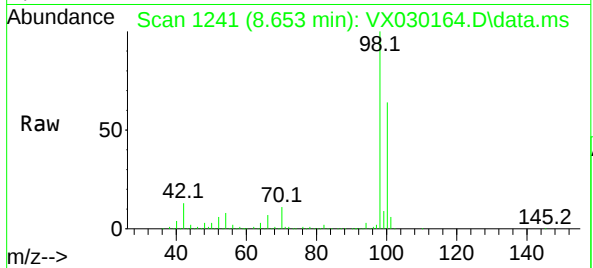




#50
Toluene-d8
Concen: 48.150 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

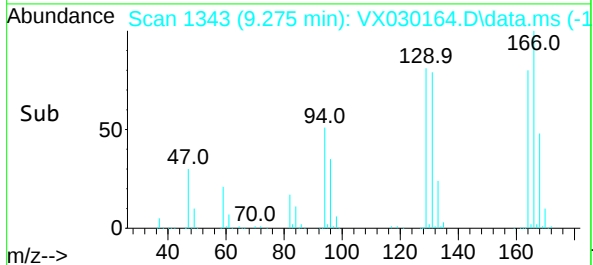
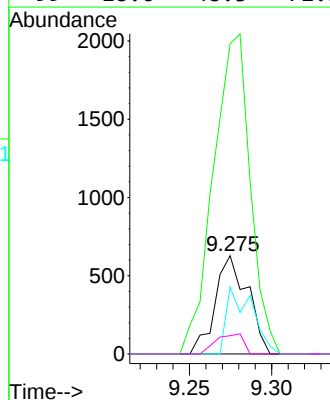
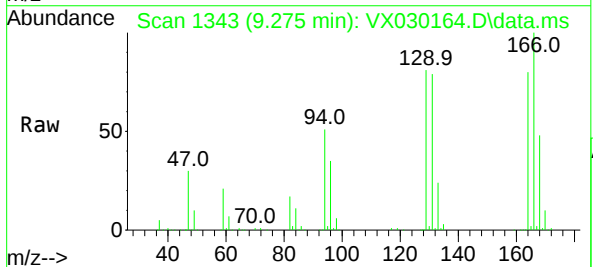
Instrument :
MSVOA_X
ClientSampleId :
SPC-01A-84DL

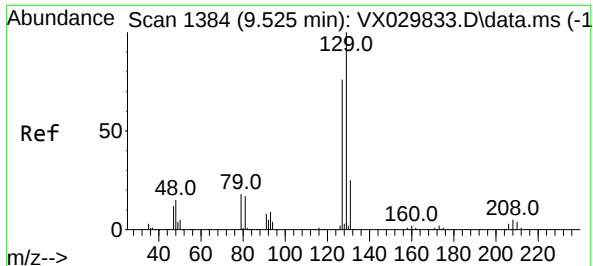
Tgt Ion: 98 Resp: 358076
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.410 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

Tgt Ion: 97 Resp: 863
Ion Ratio Lower Upper
97 100
83 315.8 68.9 103.3#
85 68.2 44.0 66.0#
99 18.6 48.3 72.5#

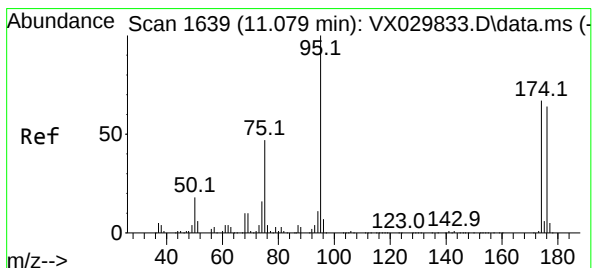
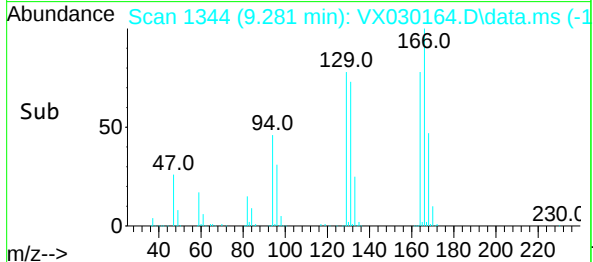
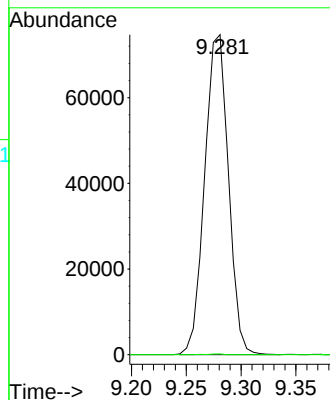
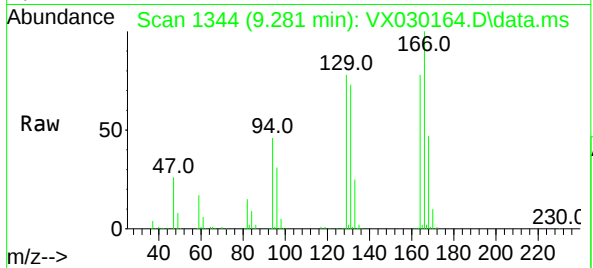




#60
Dibromochloromethane
Concen: 54.872 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

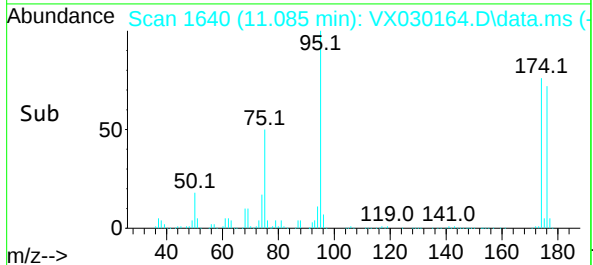
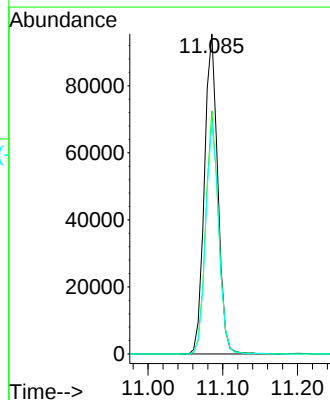
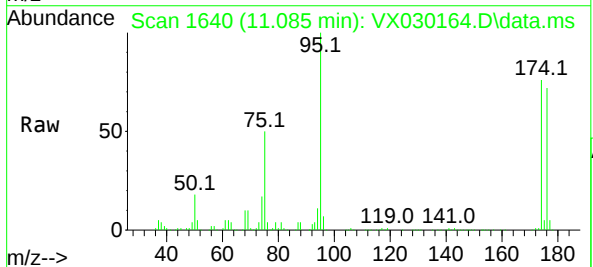
Instrument :
MSVOA_X
ClientSampleId :
SPC-01A-84DL

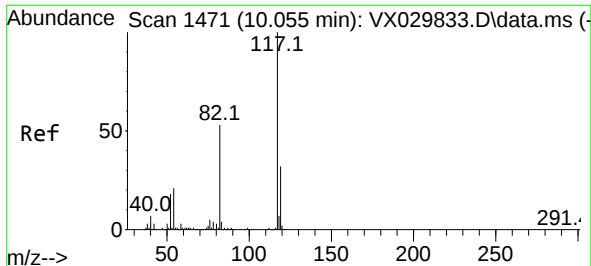
Tgt Ion:129 Resp: 112534
Ion Ratio Lower Upper
129 100
127 0.2 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 45.898 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

Tgt Ion: 95 Resp: 118449
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.0
176 70.7 0.0 146.0

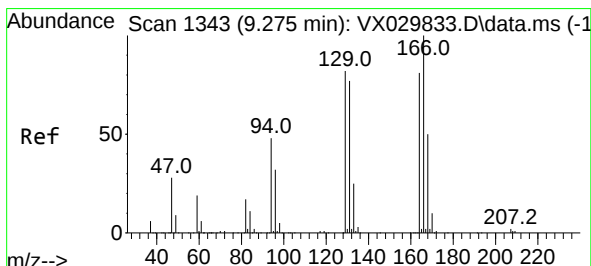
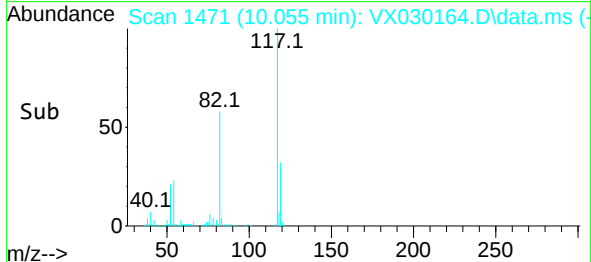
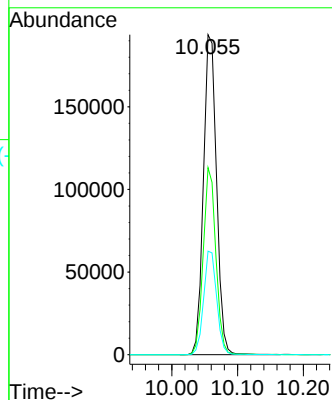
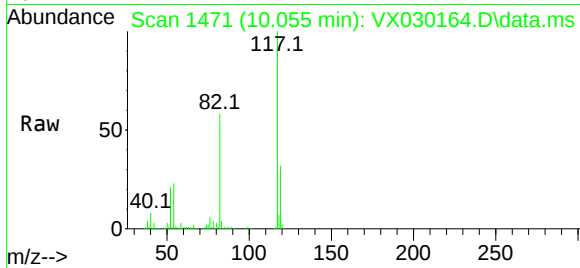




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

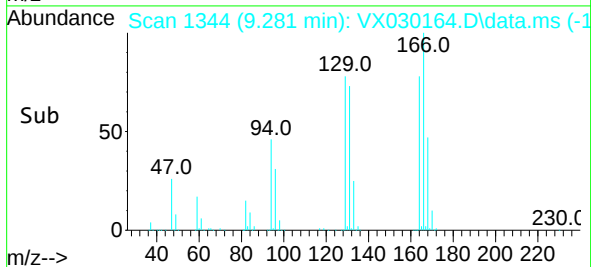
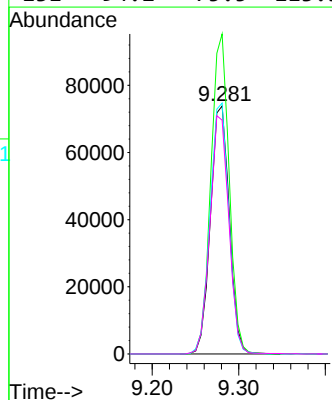
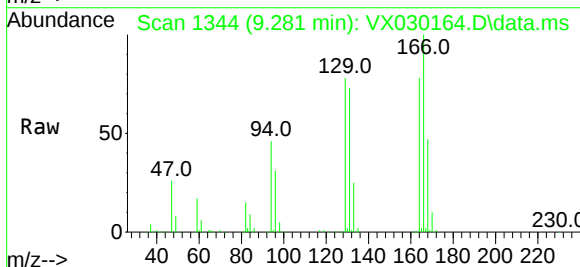
Instrument :
MSVOA_X
ClientSampleId :
SPC-01A-84DL

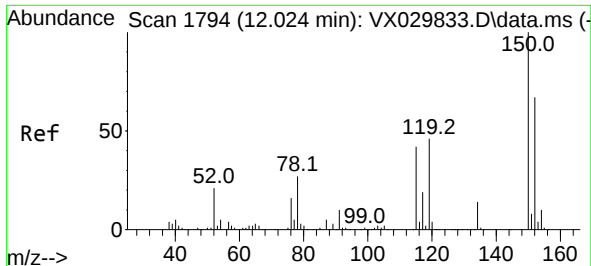
Tgt Ion:117 Resp: 268448
Ion Ratio Lower Upper
117 100
82 58.5 42.7 64.1
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 51.669 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

Tgt Ion:164 Resp: 111344
Ion Ratio Lower Upper
164 100
166 129.0 98.2 147.4
129 101.1 80.8 121.2
131 94.2 75.5 113.3

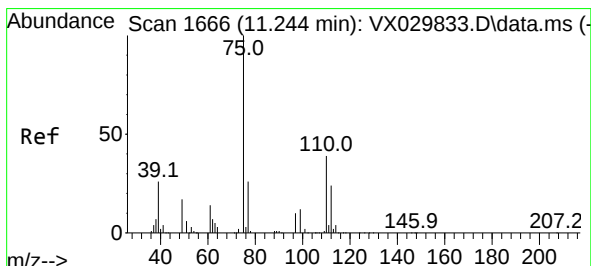
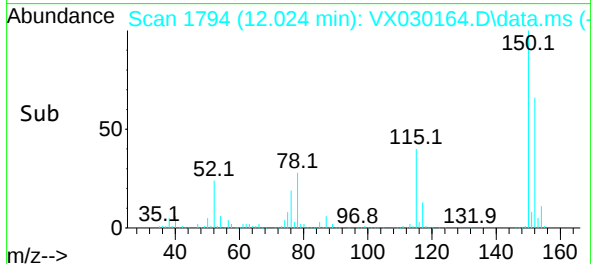
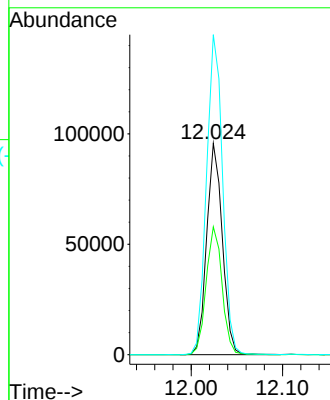
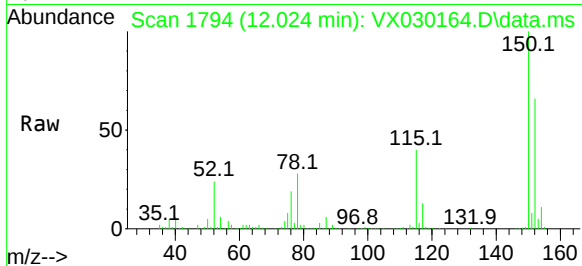




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030164.D
 Acq: 21 Jul 2022 15:56

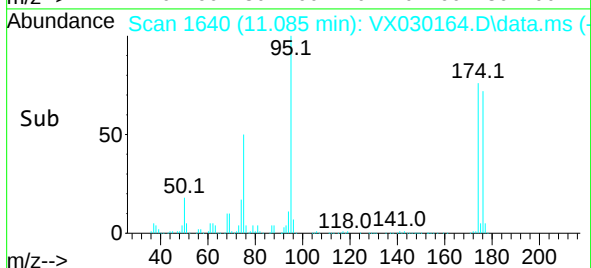
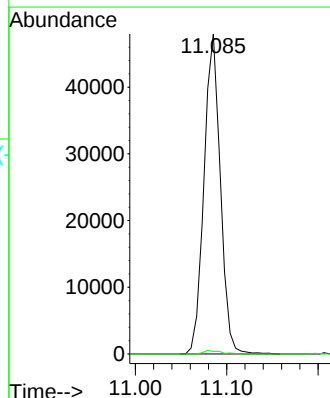
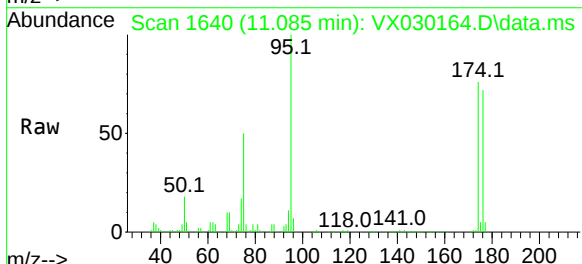
Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-01A-84DL

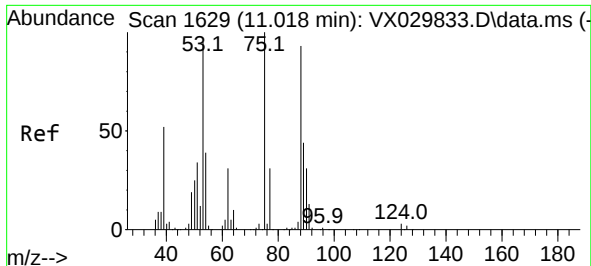
Tgt Ion:152 Resp: 113608
 Ion Ratio Lower Upper
 152 100
 115 61.6 40.5 121.5
 150 155.6 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.767 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030164.D
 Acq: 21 Jul 2022 15:56

Tgt Ion: 75 Resp: 59469
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#

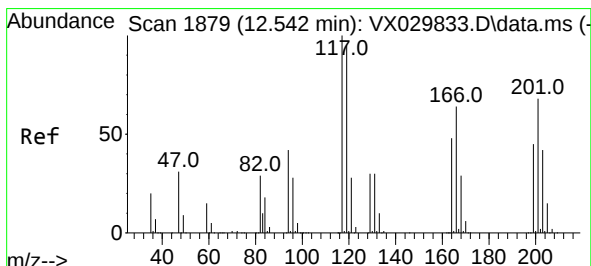
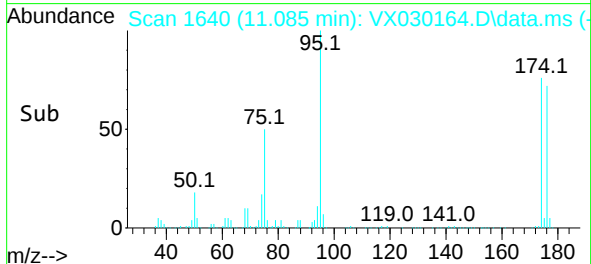
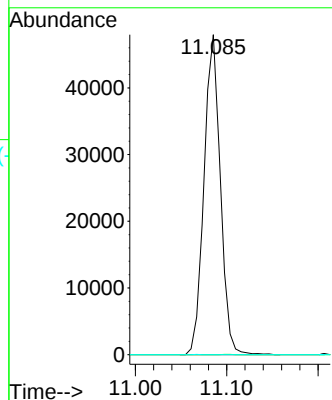
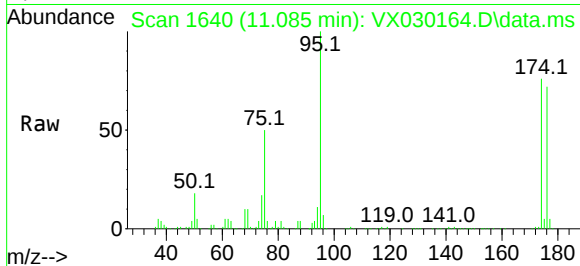




#81
trans-1,4-Dichloro-2-butene
Concen: 65.705 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

Instrument :
MSVOA_X
ClientSampleId :
SPC-01A-84DL

Tgt Ion: 75 Resp: 59469
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#



#90
Hexachloroethane
Concen: 5.340 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX030164.D
Acq: 21 Jul 2022 15:56

Tgt Ion: 117 Resp: 6189
Ion Ratio Lower Upper
117 100
201 69.7 34.2 102.5

