

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071322\
 Data File : VX030048.D
 Acq On : 13 Jul 2022 16:33
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 14 04:57:16 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)

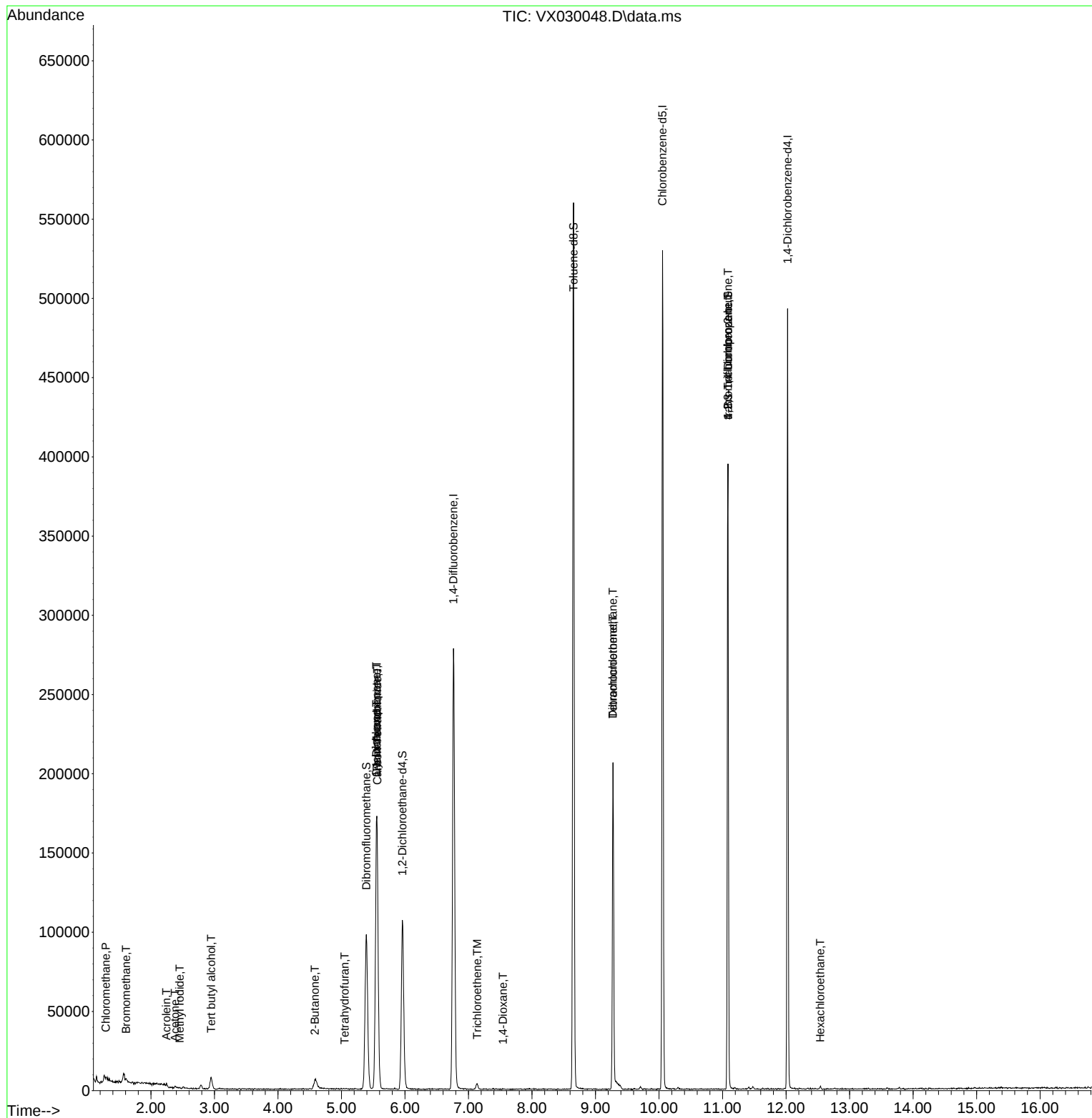
Internal Standards						
1) Pentafluorobenzene	5.556	168	174692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	300438	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93447	43.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.900%		
35) Dibromofluoromethane	5.391	113	87375	45.524	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.040%		
50) Toluene-d8	8.653	98	338716	46.924	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.840%		
62) 4-Bromofluorobenzene	11.085	95	106939	42.690	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25	Below Cal	#	42
3) Chloromethane	1.288	50	804	0.442	ug/l #	74
5) Bromomethane	1.605	94	965	1.124	ug/l #	67
10) Methyl Iodide	2.453	142	663	2.768	ug/l	92
11) Tert butyl alcohol	2.946	59	4189	7.633	ug/l #	74
13) Acrolein	2.239	56	58	0.531	ug/l #	14
16) Acetone	2.379	43	1351	1.348	ug/l	94
17) Carbon Disulfide	2.507	76	1023	Below Cal	#	74
20) Methylene Chloride	2.782	84	1273	Below Cal		85
25) 2-Butanone	4.580	43	980	0.574	ug/l #	48
29) Tetrahydrofuran	5.050	42	246	0.212	ug/l #	62
31) Cyclohexane	5.550	56	3680	1.194	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13397	5.404	ug/l #	47
38) Carbon Tetrachloride	5.562	117	16017	6.928	ug/l #	16
44) Trichloroethene	7.135	130	1354	0.594	ug/l	87
49) 1,4-Dioxane	7.543	88	20	0.348	ug/l #	1
60) Dibromochloromethane	9.275	129	38261	19.220	ug/l #	11
64) Tetrachloroethene	9.275	164	38409	18.931	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	50401	21.787	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	50401	62.876	ug/l #	13
90) Hexachloroethane	12.536	117	213	0.208	ug/l #	34

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

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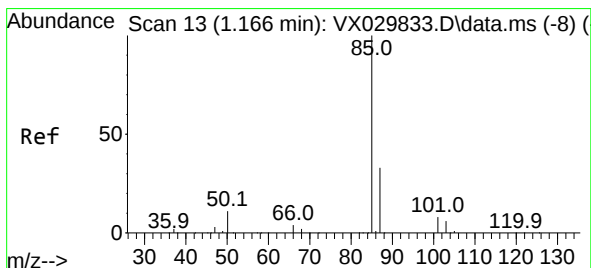
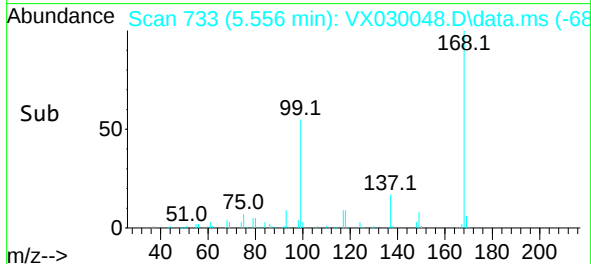
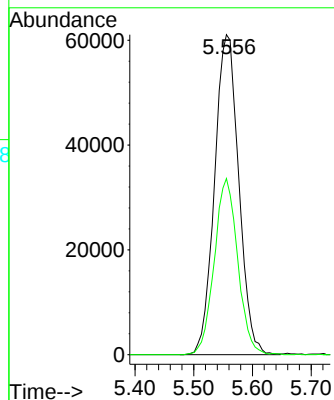
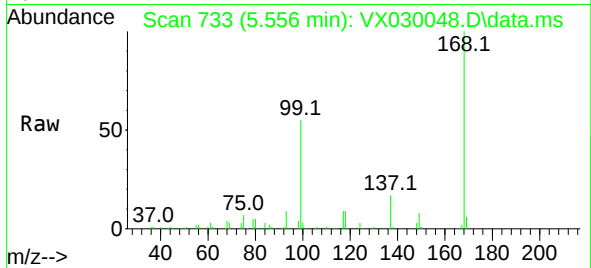




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

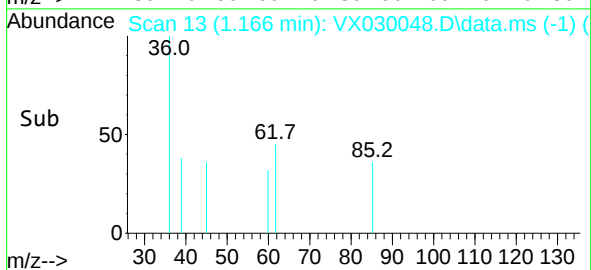
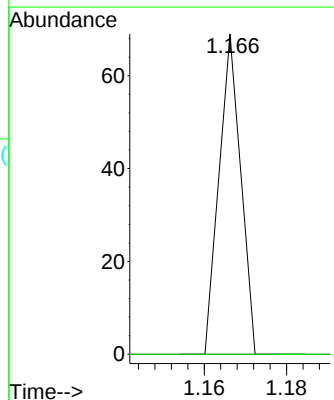
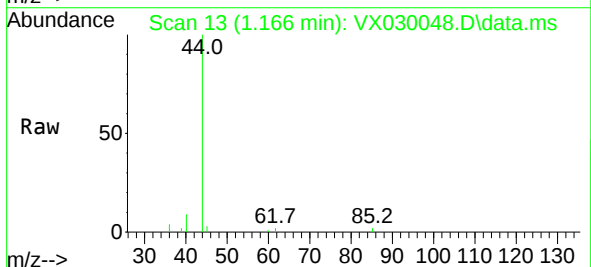
Instrument :
MSVOA_X
ClientSampleId :
IBLK

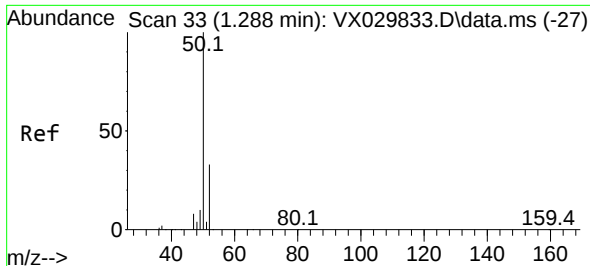
Tgt Ion:168 Resp: 174692
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

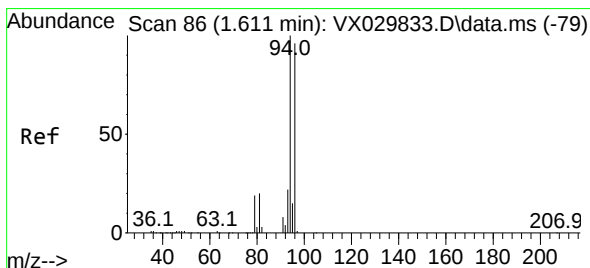
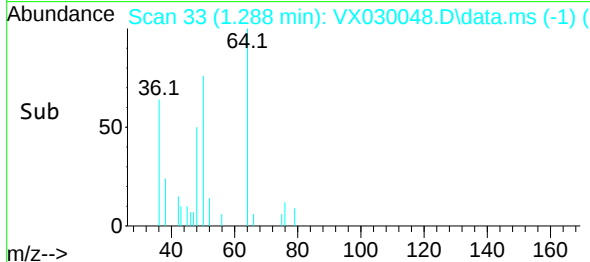
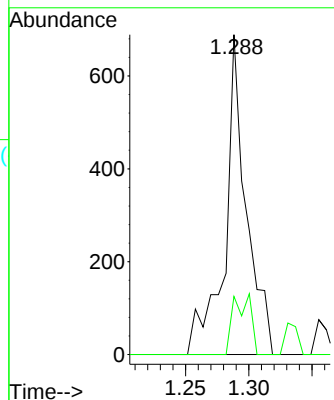
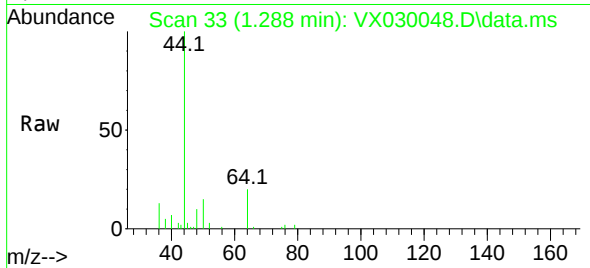




#3
Chloromethane
Concen: 0.442 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

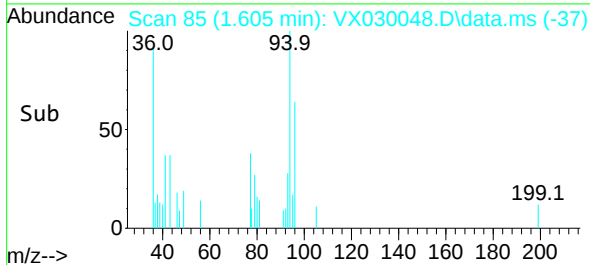
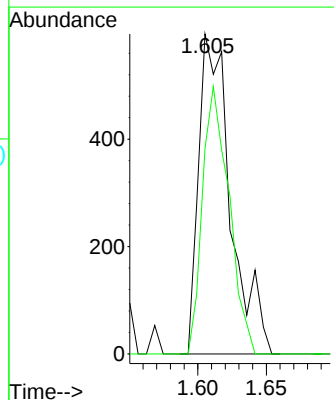
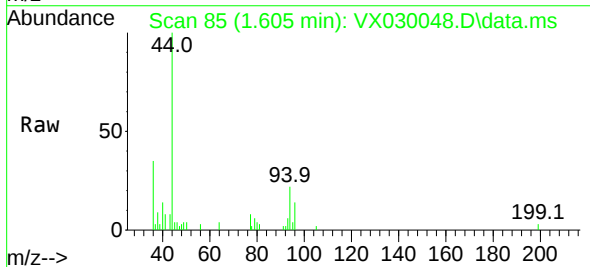
Instrument :
MSVOA_X
ClientSampleId :
IBLK

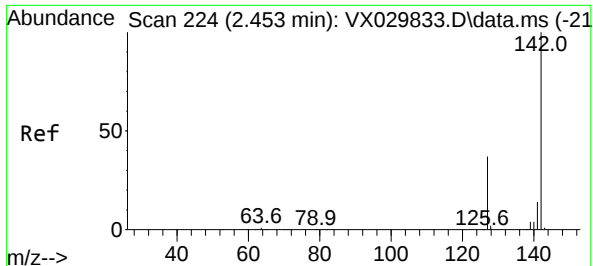
Tgt Ion: 50 Resp: 804
Ion Ratio Lower Upper
50 100
52 18.1 26.3 39.5#



#5
Bromomethane
Concen: 1.124 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

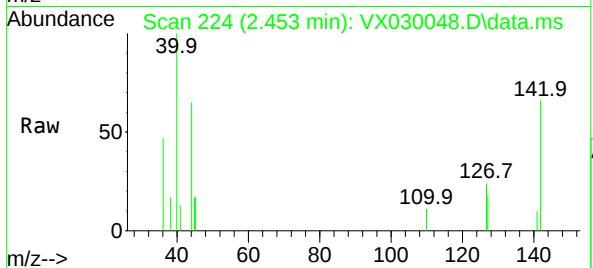
Tgt Ion: 94 Resp: 965
Ion Ratio Lower Upper
94 100
96 64.3 76.9 115.3#



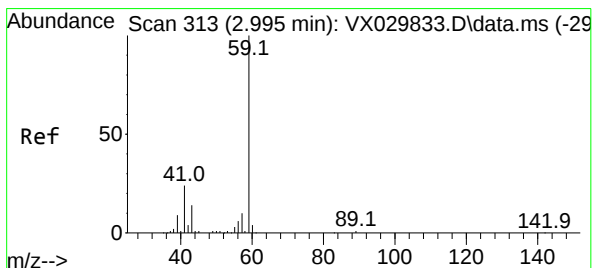
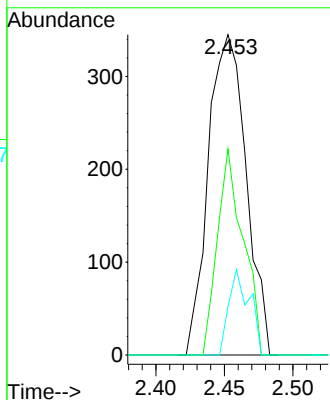
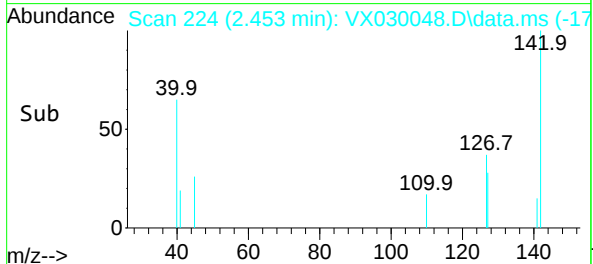


#10
Methyl Iodide
Concen: 2.768 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Instrument :
MSVOA_X
ClientSampleId :
IBLK

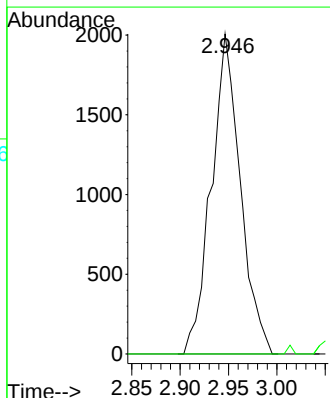
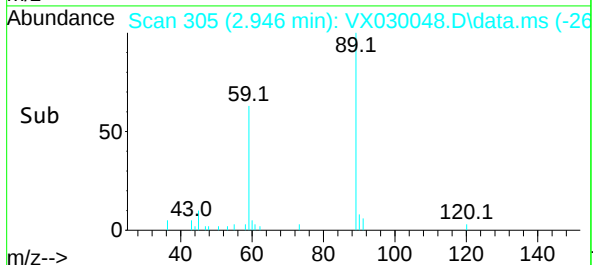
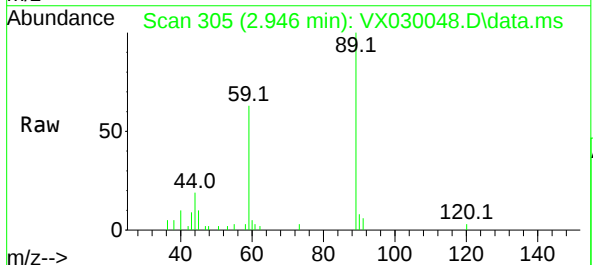


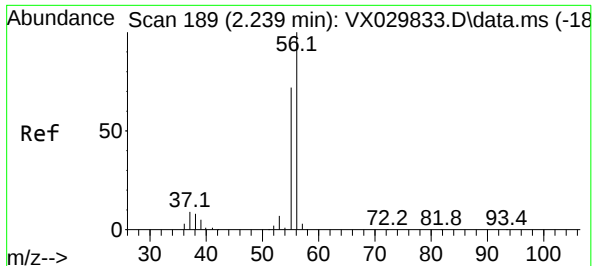
Tgt Ion:142 Resp: 663
Ion Ratio Lower Upper
142 100
127 43.7 30.2 45.2
141 14.6 11.3 16.9



#11
Tert butyl alcohol
Concen: 7.633 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Tgt Ion: 59 Resp: 4189
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

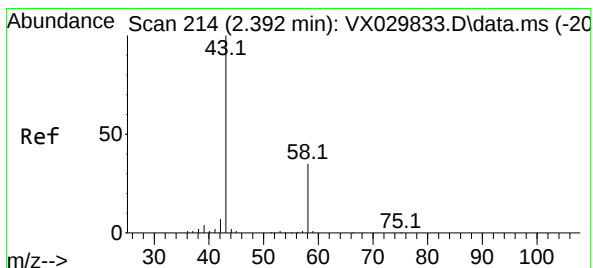
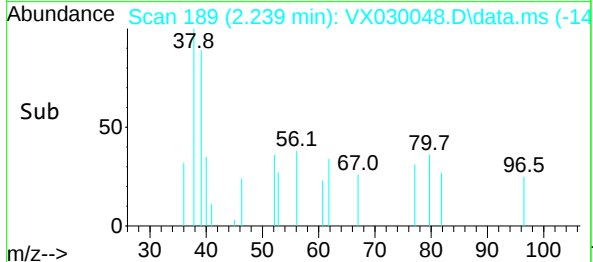
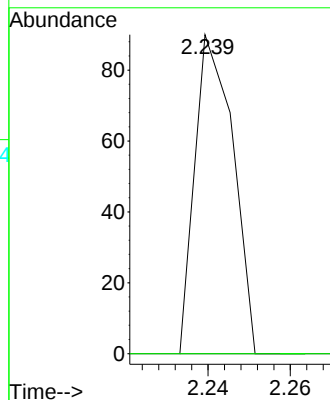
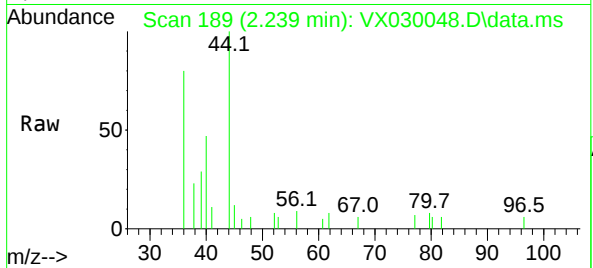




#13
Acrolein
Concen: 0.531 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

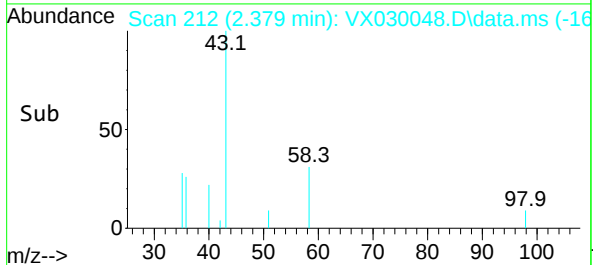
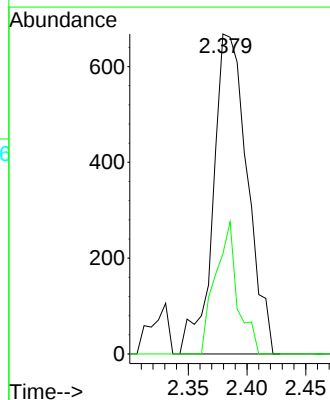
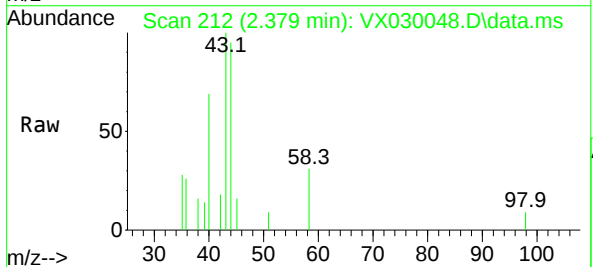
Instrument :
MSVOA_X
ClientSampleId :
IBLK

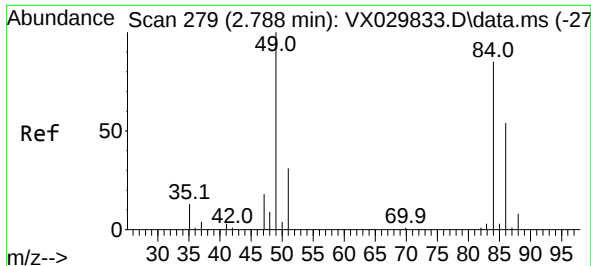
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.348 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.013 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
58 31.3 27.7 41.5



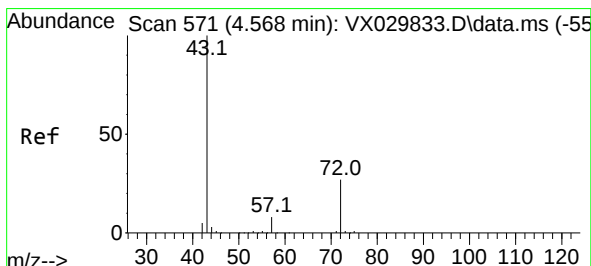
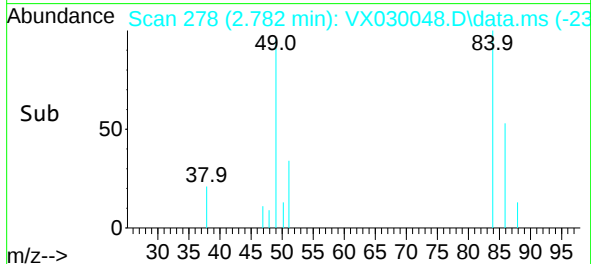
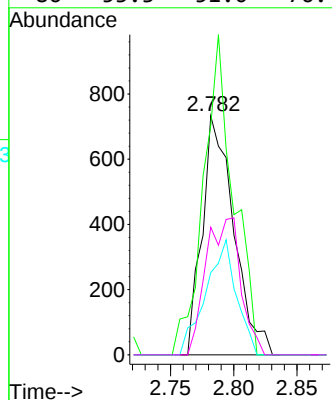
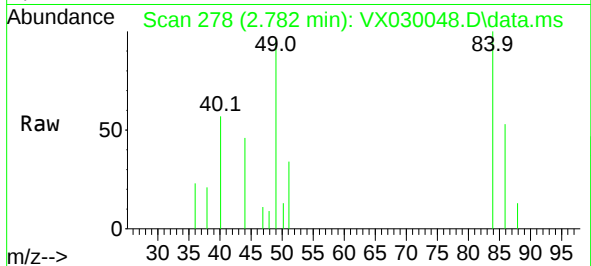


#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 1273

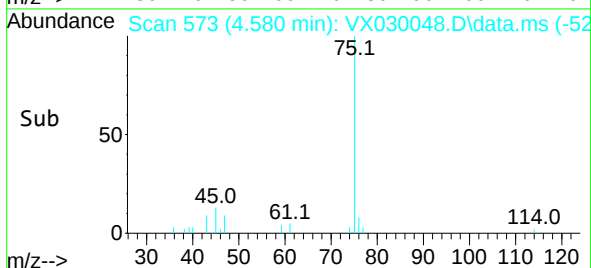
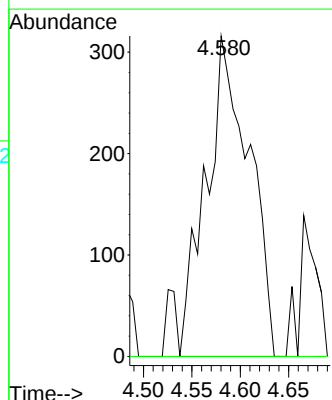
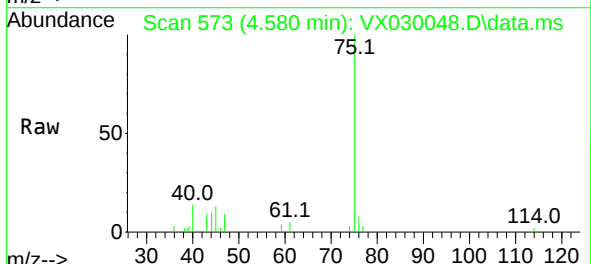
Ion	Ratio	Lower	Upper
84	100		
49	95.9	93.8	140.6
51	34.4	29.4	44.0
86	53.3	51.0	76.4

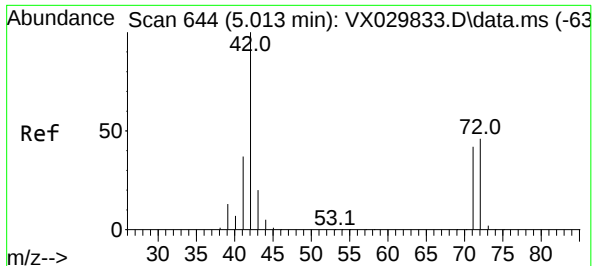


#25
2-Butanone
Concen: 0.574 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Tgt Ion: 43 Resp: 980

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.037 min

Lab File: VX030048.D

Acq: 13 Jul 2022 16:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

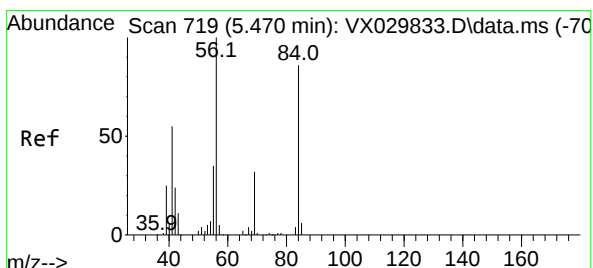
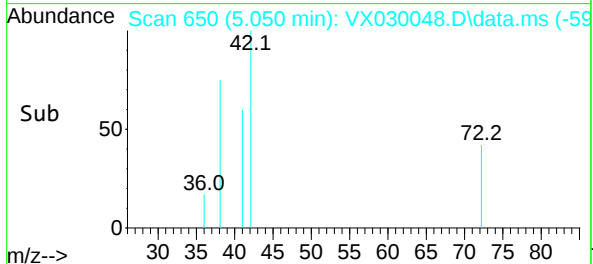
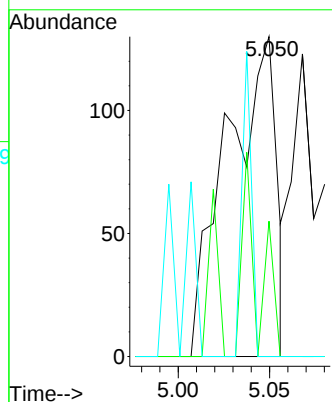
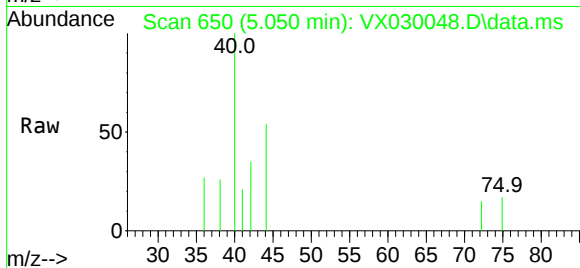
Tgt Ion: 42 Resp: 246

Ion Ratio Lower Upper

42 100

72 20.3 36.5 54.7#

71 18.3 33.9 50.9#



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX030048.D

Acq: 13 Jul 2022 16:33

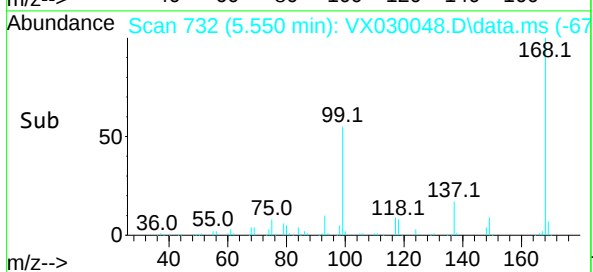
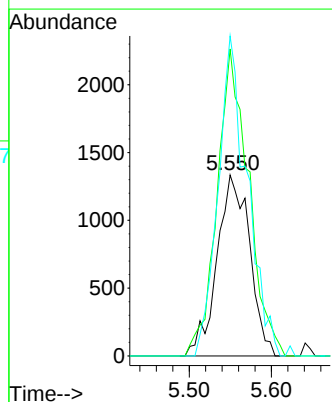
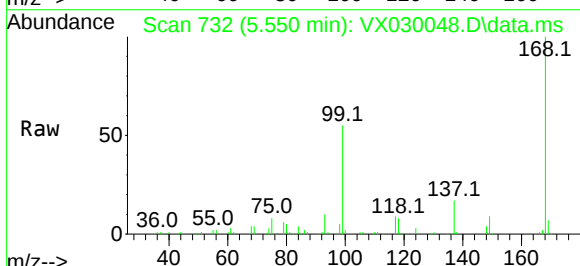
Tgt Ion: 56 Resp: 3680

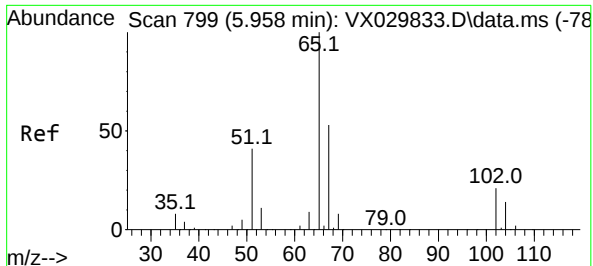
Ion Ratio Lower Upper

56 100

69 169.8 25.4 38.0#

84 196.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.948 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030048.D

Acq: 13 Jul 2022 16:33

Instrument :

MSVOA_X

ClientSampleId :

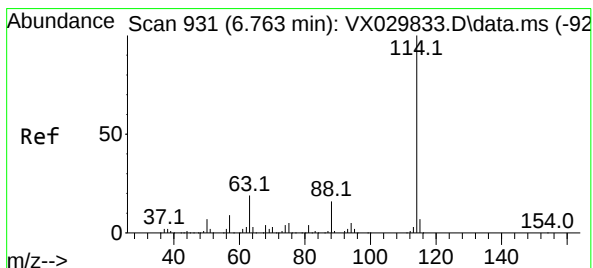
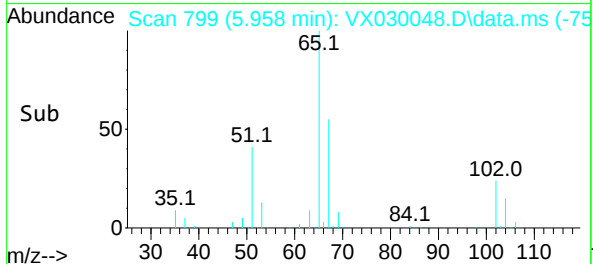
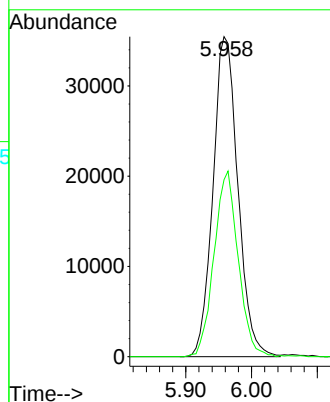
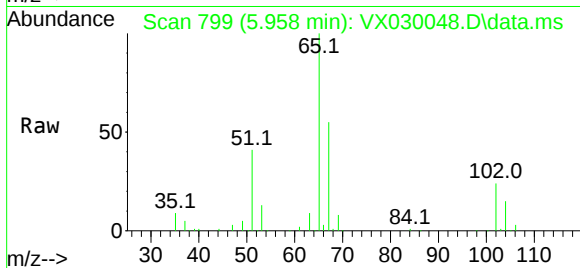
IBLK

Tgt Ion: 65 Resp: 93447

Ion Ratio Lower Upper

65 100

67 56.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX030048.D

Acq: 13 Jul 2022 16:33

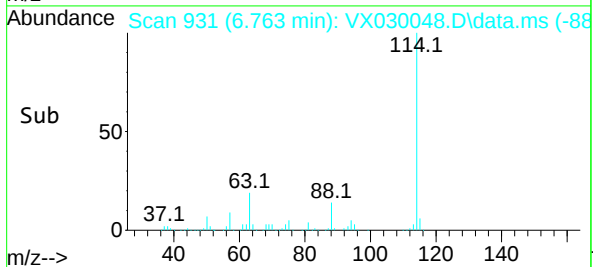
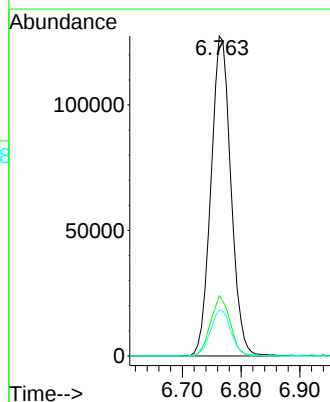
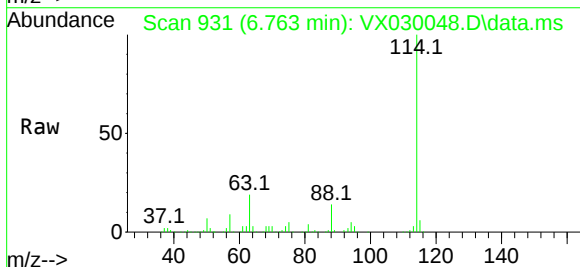
Tgt Ion: 114 Resp: 300438

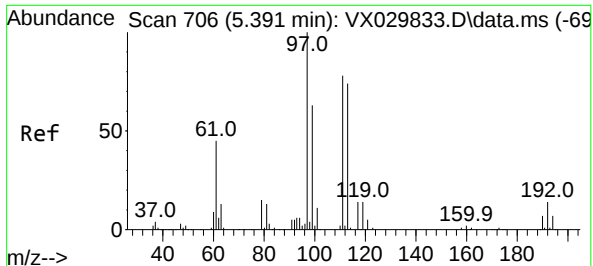
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 14.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 45.524 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030048.D

Acq: 13 Jul 2022 16:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

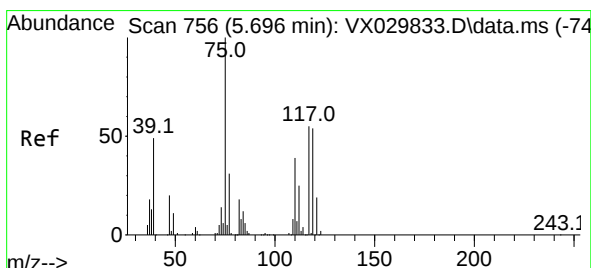
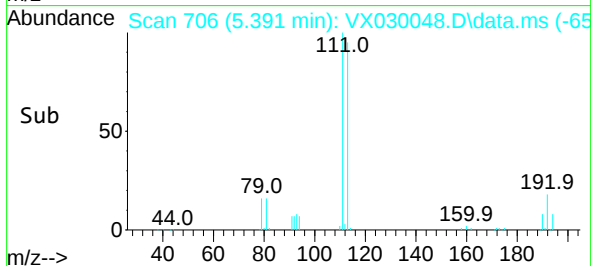
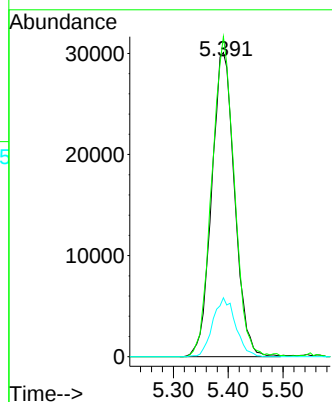
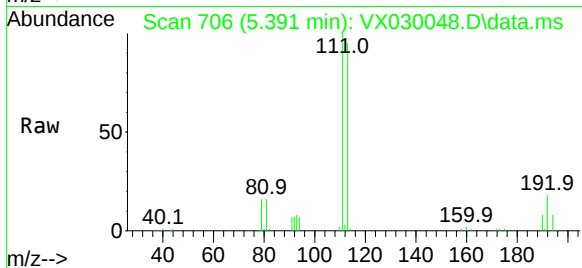
Tgt Ion:113 Resp: 87375

Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

192 19.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.404 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030048.D

Acq: 13 Jul 2022 16:33

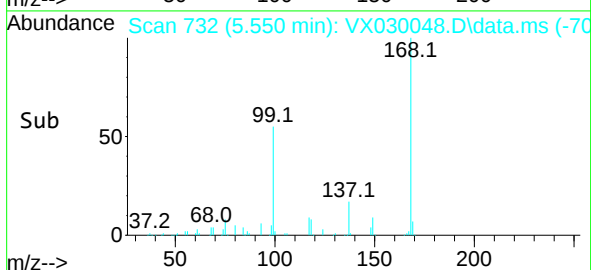
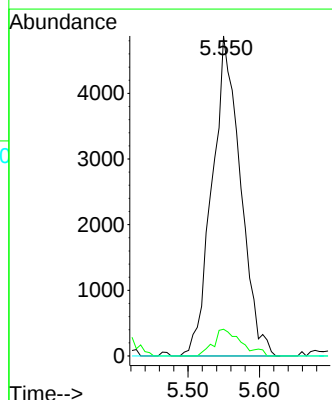
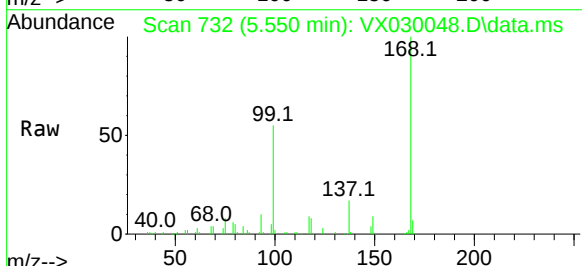
Tgt Ion: 75 Resp: 13397

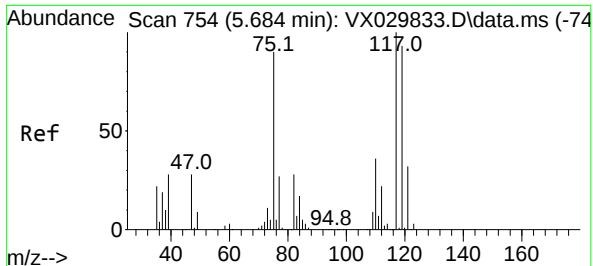
Ion Ratio Lower Upper

75 100

110 8.2 19.3 57.9#

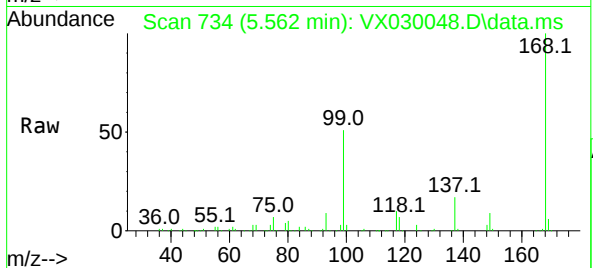
77 0.0 24.4 36.6#



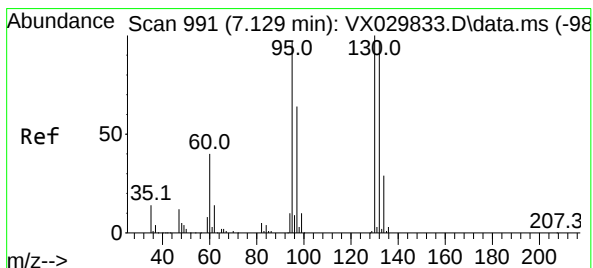
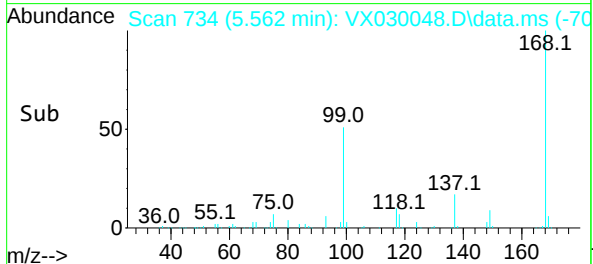
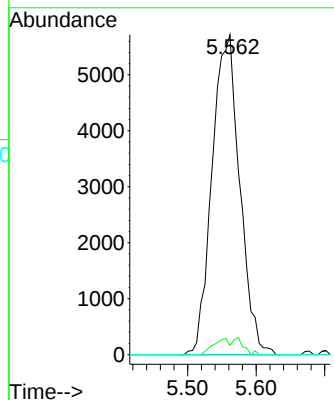


#38
Carbon Tetrachloride
Concen: 6.928 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Instrument :
MSVOA_X
ClientSampleId :
IBLK

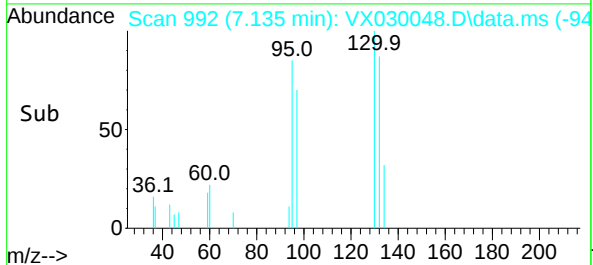
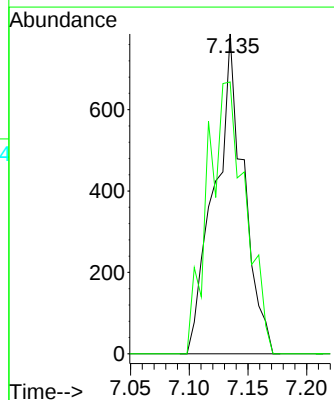
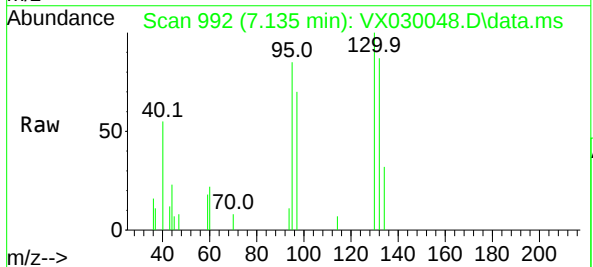


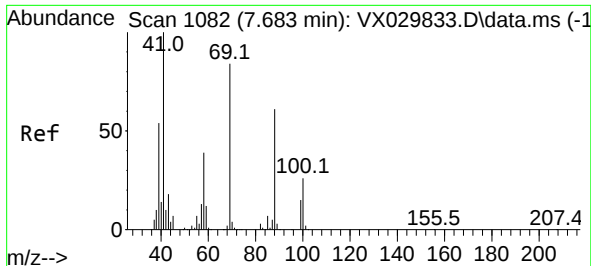
Tgt Ion:117 Resp: 16017
Ion Ratio Lower Upper
117 100
119 2.9 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.594 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Tgt Ion:130 Resp: 1354
Ion Ratio Lower Upper
130 100
95 85.0 0.0 194.8





#49

1,4-Dioxane

Concen: 0.348 ug/l

RT: 7.543 min Scan# 1059

Delta R.T. -0.140 min

Lab File: VX030048.D

Acq: 13 Jul 2022 16:33

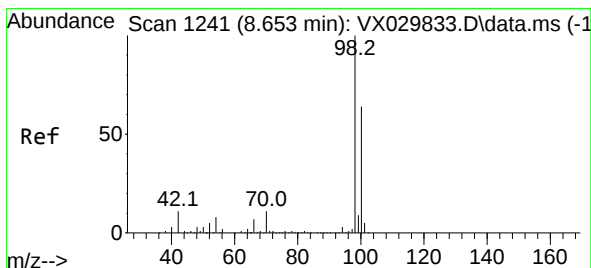
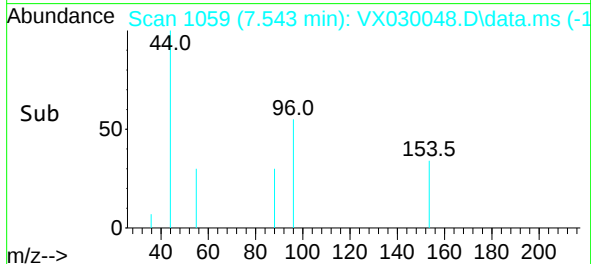
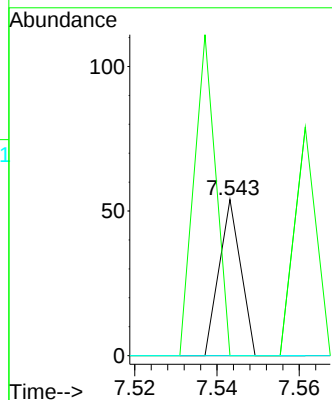
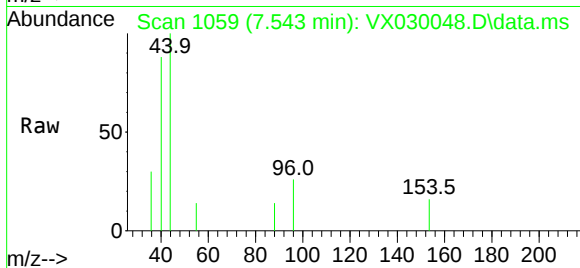
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	205.0	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 46.924 ug/l

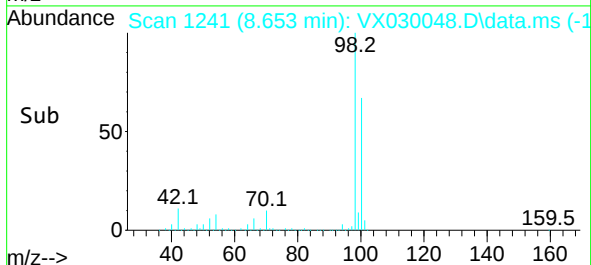
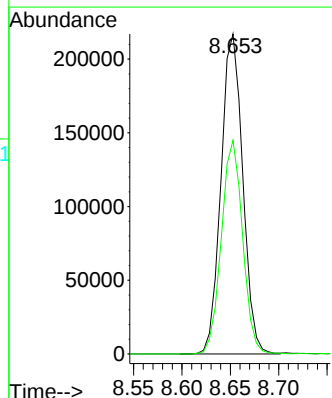
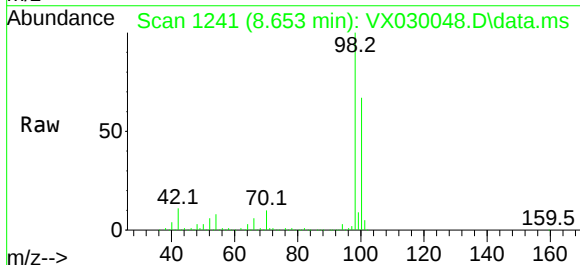
RT: 8.653 min Scan# 1241

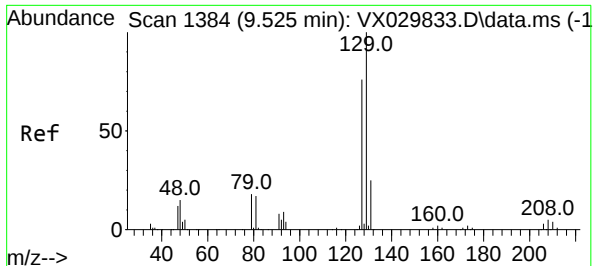
Delta R.T. -0.000 min

Lab File: VX030048.D

Acq: 13 Jul 2022 16:33

Tgt Ion:	98	Resp:	338716
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5

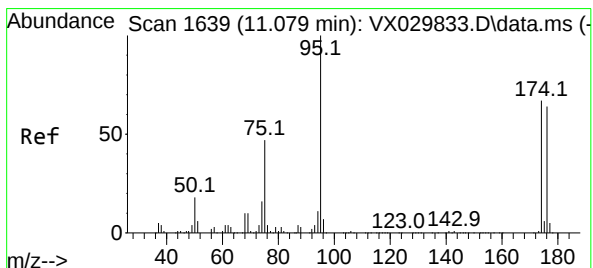
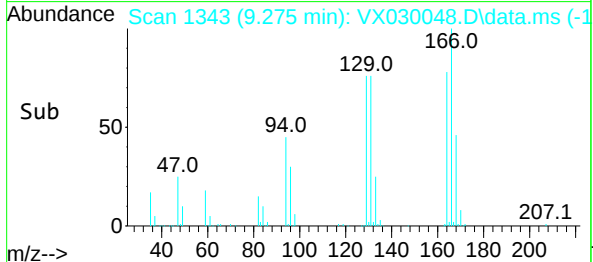
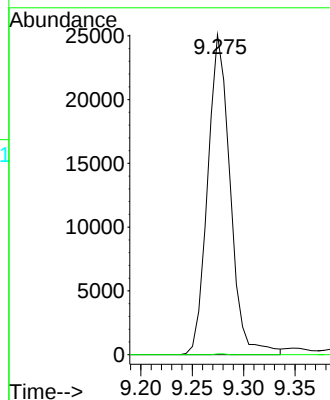
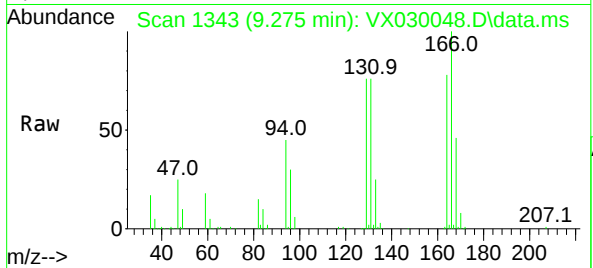




#60
Dibromochloromethane
Concen: 19.220 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

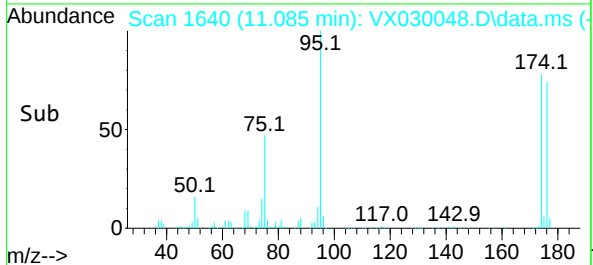
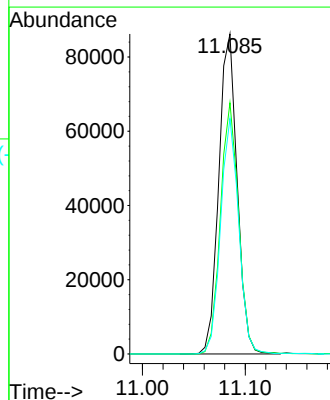
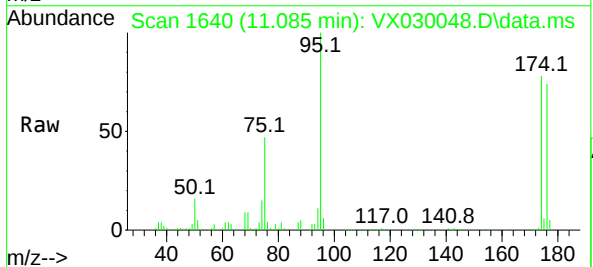
Instrument :
MSVOA_X
ClientSampleId :
IBLK

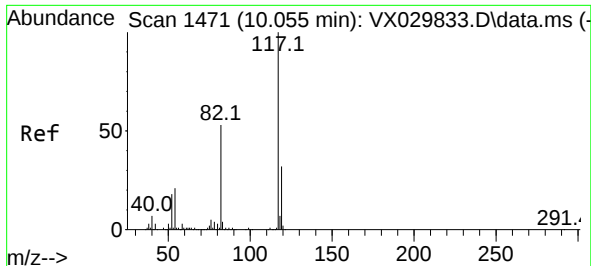
Tgt Ion:129 Resp: 38261
Ion Ratio Lower Upper
129 100
127 0.1 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 42.690 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Tgt Ion: 95 Resp: 106939
Ion Ratio Lower Upper
95 100
174 77.6 0.0 149.0
176 72.4 0.0 146.0

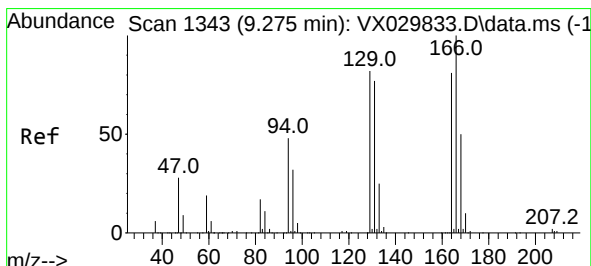
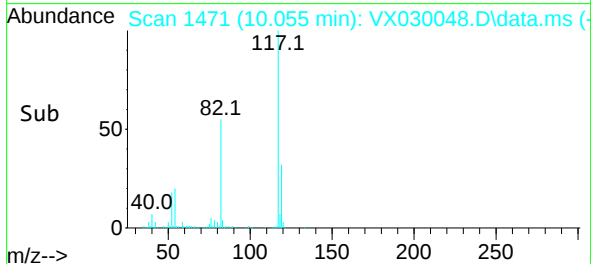
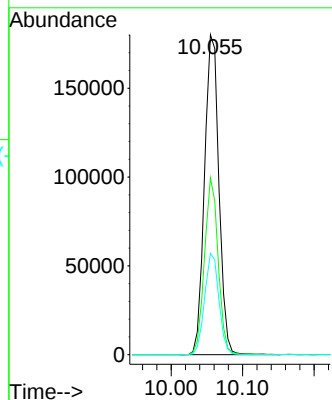
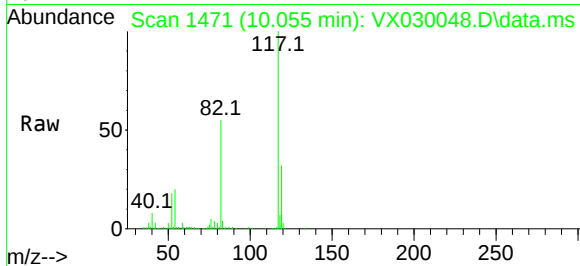




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

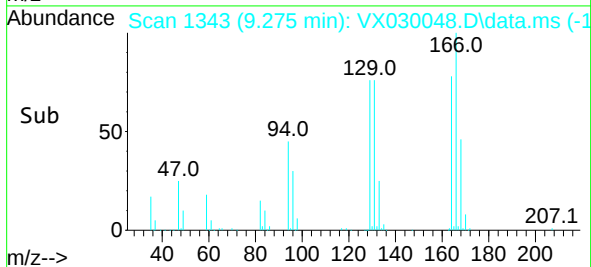
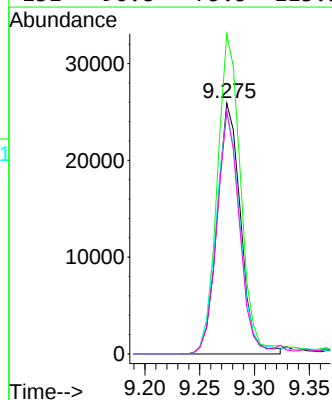
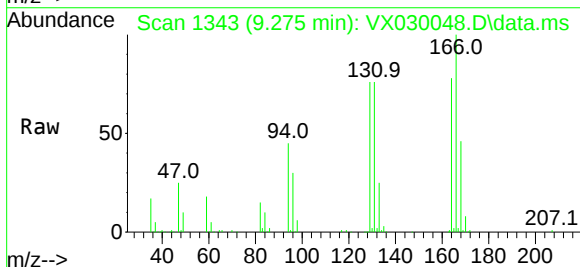
Instrument :
MSVOA_X
ClientSampleId :
IBLK

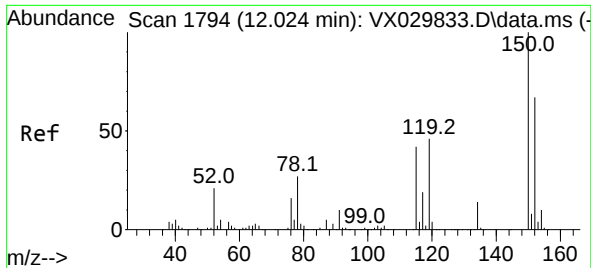
Tgt Ion:117 Resp: 252752
Ion Ratio Lower Upper
117 100
82 55.2 42.7 64.1
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 18.931 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030048.D
Acq: 13 Jul 2022 16:33

Tgt Ion:164 Resp: 38409
Ion Ratio Lower Upper
164 100
166 127.6 98.2 147.4
129 96.8 80.8 121.2
131 96.8 75.5 113.3

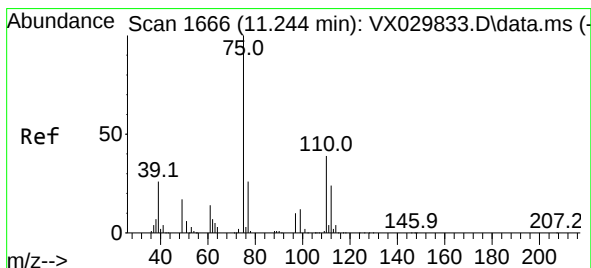
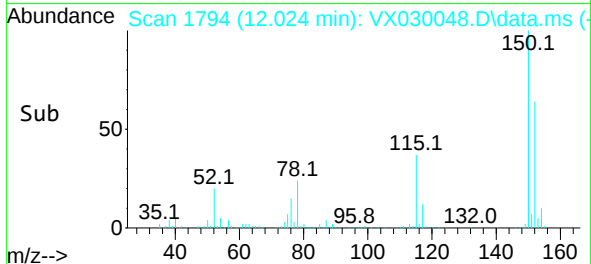
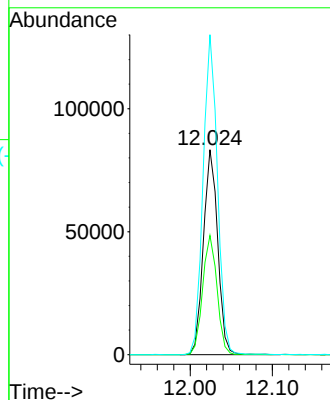
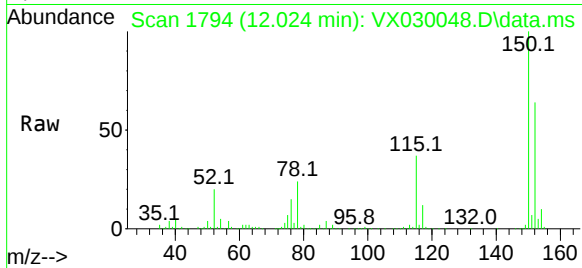




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030048.D
 Acq: 13 Jul 2022 16:33

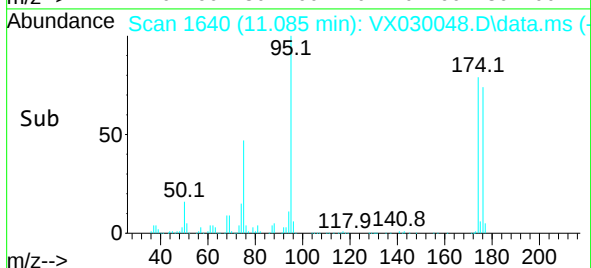
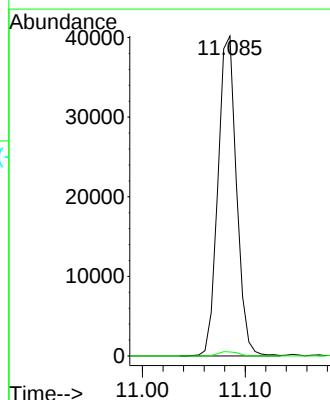
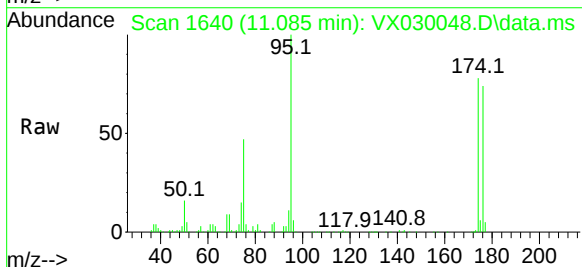
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

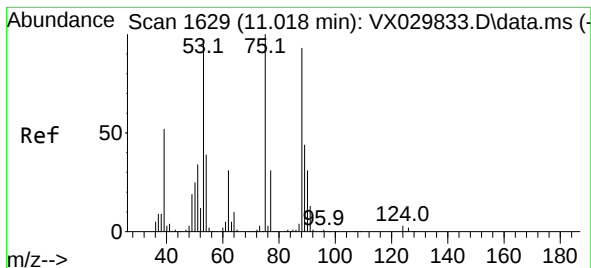
Tgt Ion:152 Resp: 100616
 Ion Ratio Lower Upper
 152 100
 115 58.5 40.5 121.5
 150 156.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.787 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030048.D
 Acq: 13 Jul 2022 16:33

Tgt Ion: 75 Resp: 50401
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#

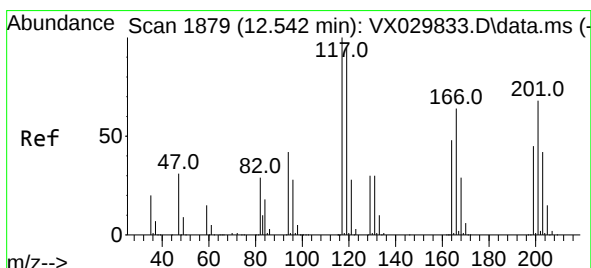
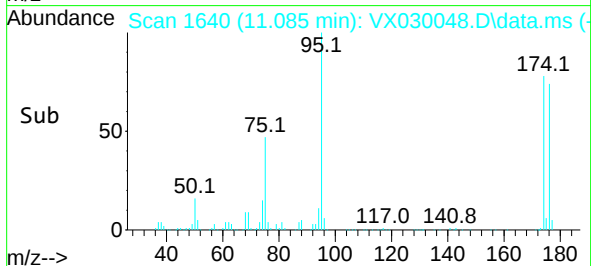
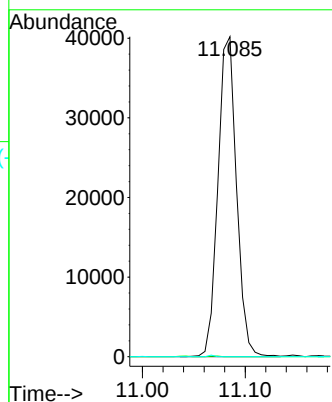
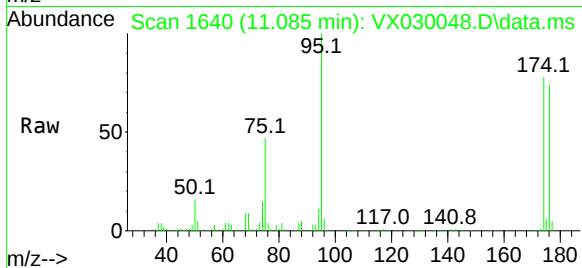




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.876 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030048.D
 Acq: 13 Jul 2022 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 50401
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.1 34.8 52.2#



#90
 Hexachloroethane
 Concen: 0.208 ug/l
 RT: 12.536 min Scan# 1878
 Delta R.T. -0.006 min
 Lab File: VX030048.D
 Acq: 13 Jul 2022 16:33

Tgt Ion: 117 Resp: 213
 Ion Ratio Lower Upper
 117 100
 201 15.0 34.2 102.5#

