

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030145.D
 Acq On : 20 Jul 2022 20:19
 Operator : JC/MD
 Sample : N3767-01 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TANK-M

Quant Time: Jul 21 03:33:54 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.	T.Q	Ion	Response	Conc	Units	Dev(Min)

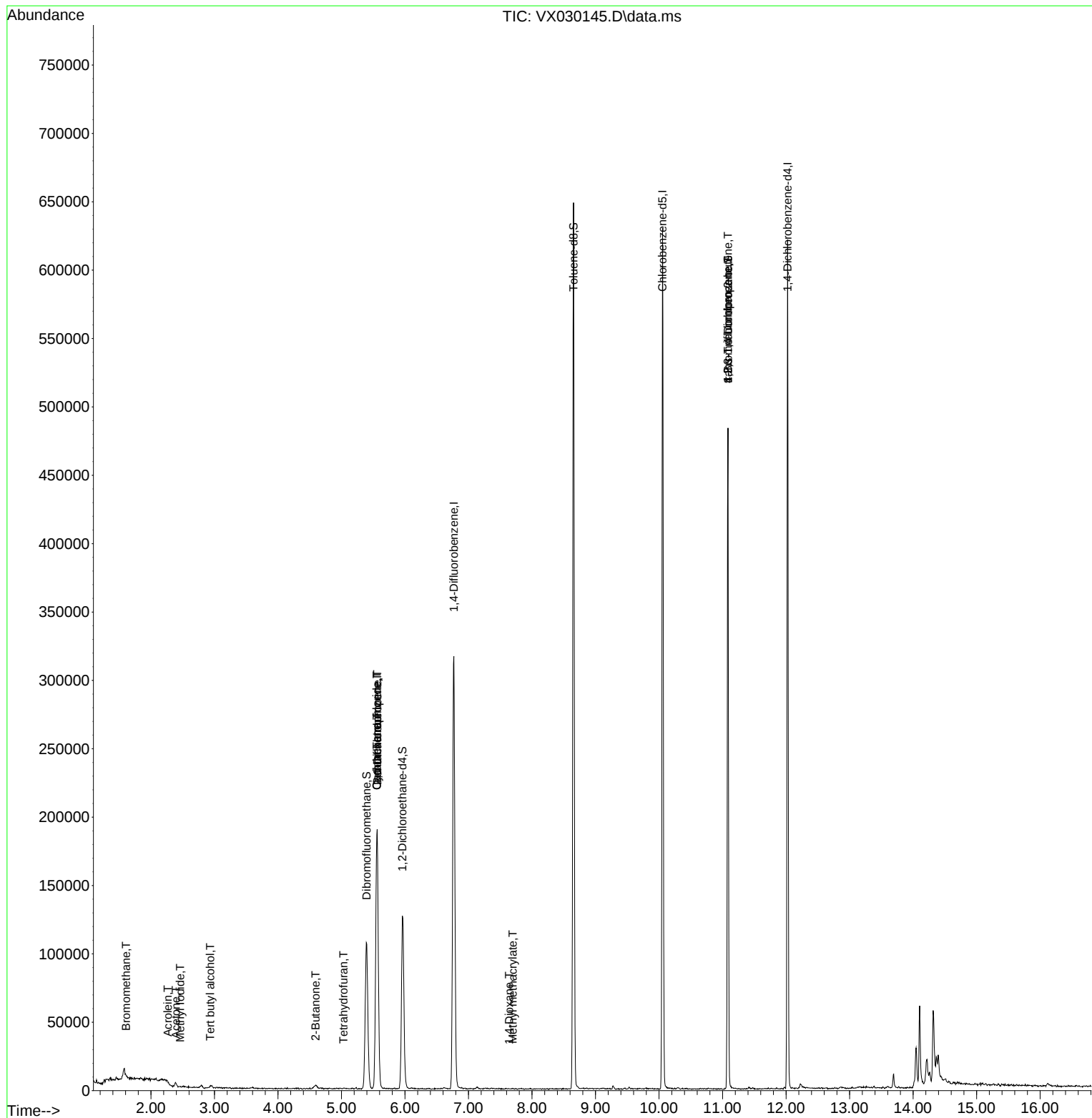
Internal Standards							
1) Pentafluorobenzene	5.562	168		180949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114		330083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		286662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		123585	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65		116512	52.900	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.800%	
35) Dibromofluoromethane	5.397	113		94700	44.909	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.820%	
50) Toluene-d8	8.653	98		379785	47.888	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.780%	
62) 4-Bromofluorobenzene	11.085	95		129219	46.952	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.900%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.276	85		44	Below Cal	#	1
5) Bromomethane	1.605	94		330	0.371	ug/l #	80
10) Methyl Iodide	2.459	142		253	2.541	ug/l #	61
11) Tert butyl alcohol	2.934	59		1132	1.991	ug/l #	74
13) Acrolein	2.264	56		213	1.881	ug/l #	14
16) Acetone	2.392	43		3345	3.223	ug/l	98
17) Carbon Disulfide	2.508	76		469	Below Cal	#	74
20) Methylene Chloride	2.794	84		1084	Below Cal	#	59
25) 2-Butanone	4.593	43		1026	0.580	ug/l #	90
29) Tetrahydrofuran	5.032	42		431	0.359	ug/l #	48
31) Cyclohexane	5.556	56		4031	1.263	ug/l #	1
36) 1,1-Dichloropropene	5.562	75		14604	5.362	ug/l #	49
38) Carbon Tetrachloride	5.556	117		17967	7.074	ug/l #	17
48) Methyl methacrylate	7.696	41		545	0.224	ug/l #	19
49) 1,4-Dioxane	7.641	88		23	0.365	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75		62962	22.158	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75		62962	63.948	ug/l #	12

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

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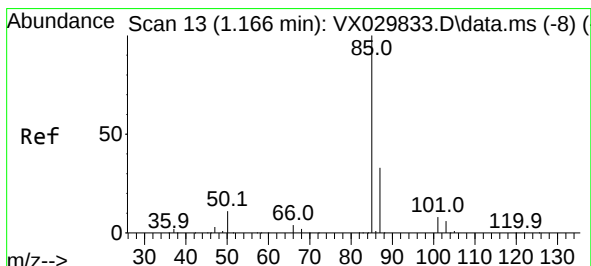
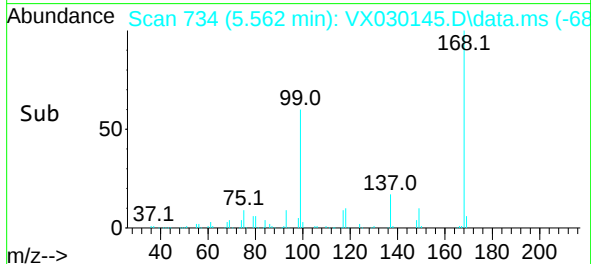
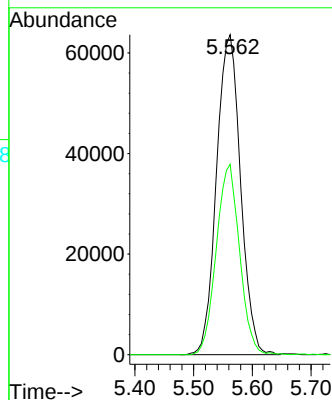
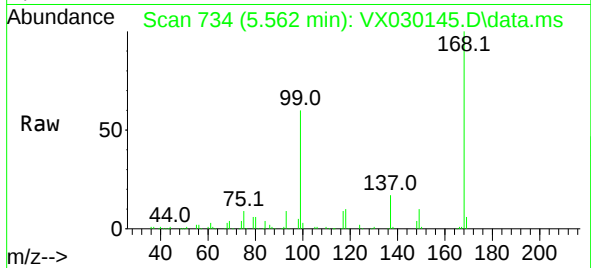




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

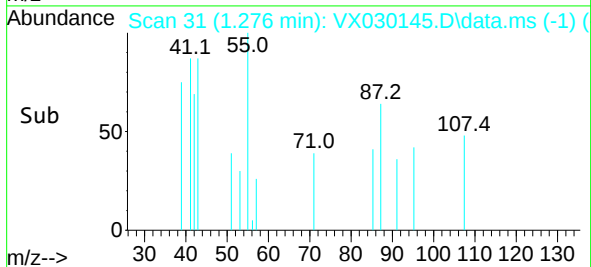
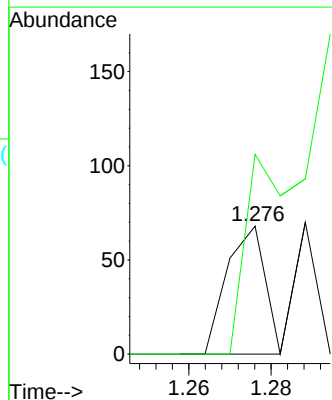
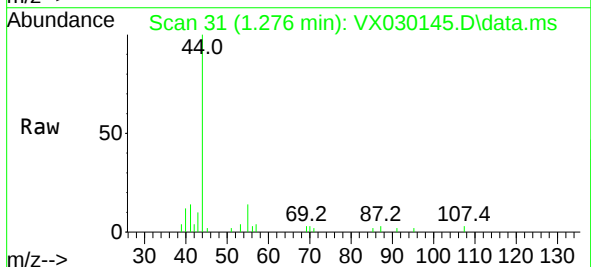
Instrument :
MSVOA_X
ClientSampleId :
TANK-M

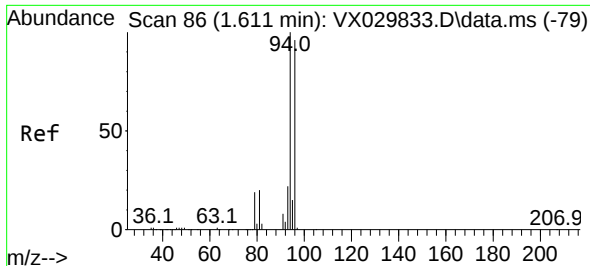
Tgt Ion:168 Resp: 180949
Ion Ratio Lower Upper
168 100
99 59.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.276 min Scan# 31
Delta R.T. 0.110 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

Tgt Ion: 85 Resp: 44
Ion Ratio Lower Upper
85 100
87 155.9 16.5 49.5#

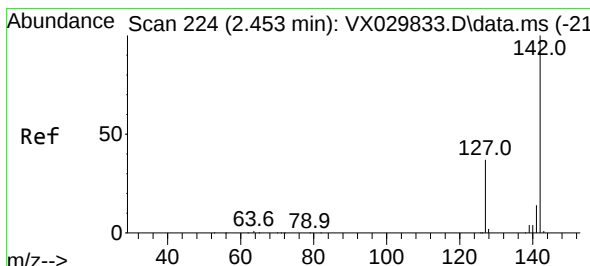
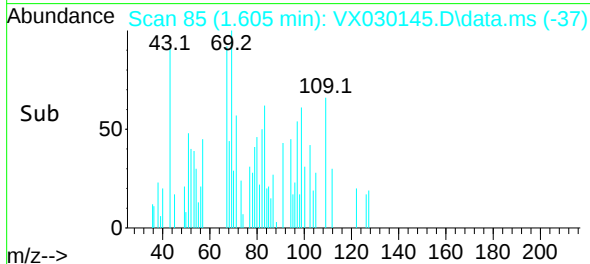
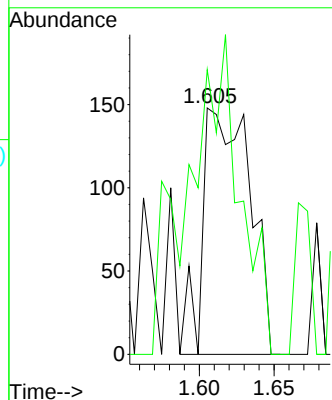
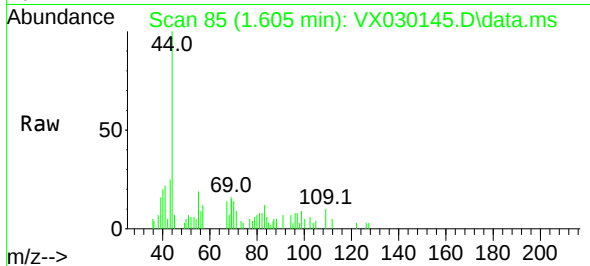




#5
Bromomethane
Concen: 0.371 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

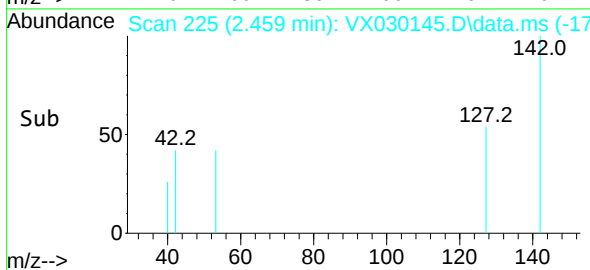
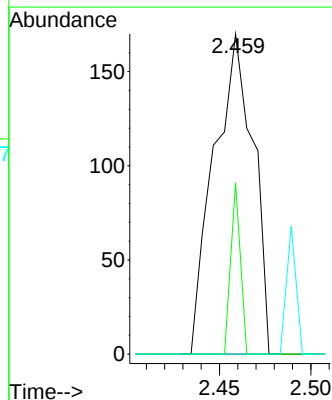
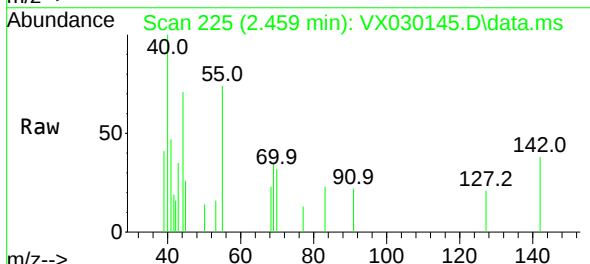
Instrument :
MSVOA_X
ClientSampleId :
TANK-M

Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 115.5 76.9 115.3#



#10
Methyl Iodide
Concen: 2.541 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

Tgt Ion: 142 Resp: 253
Ion Ratio Lower Upper
142 100
127 13.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.991 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.061 min

Lab File: VX030145.D

Acq: 20 Jul 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

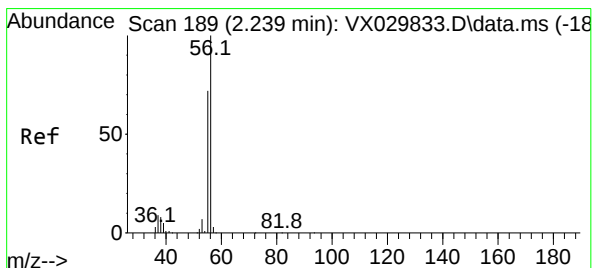
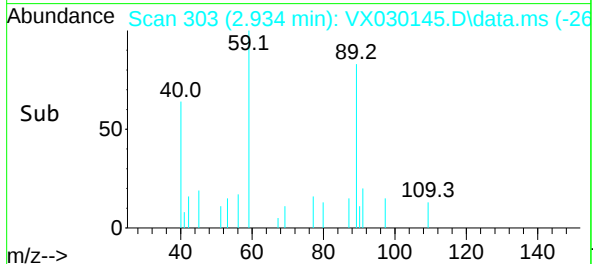
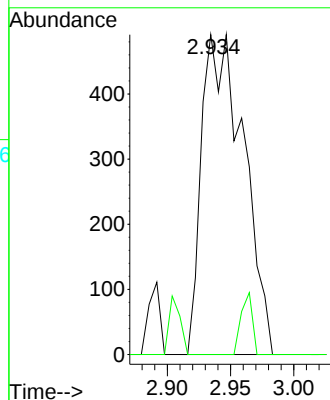
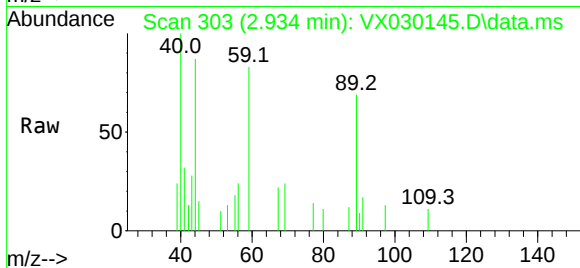
TANK-M

Tgt Ion: 59 Resp: 1132

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 1.881 ug/l

RT: 2.264 min Scan# 193

Delta R.T. 0.025 min

Lab File: VX030145.D

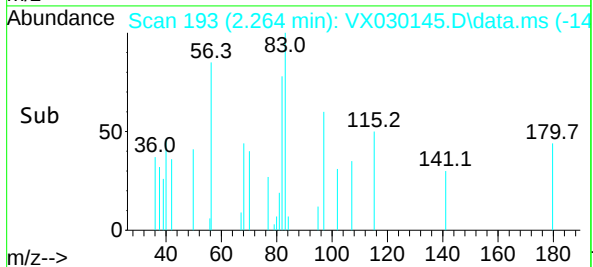
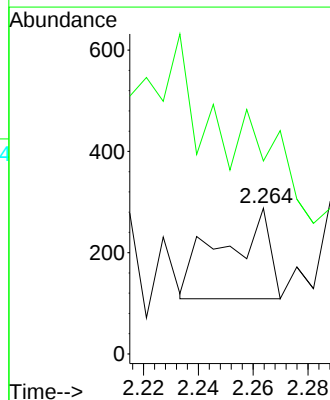
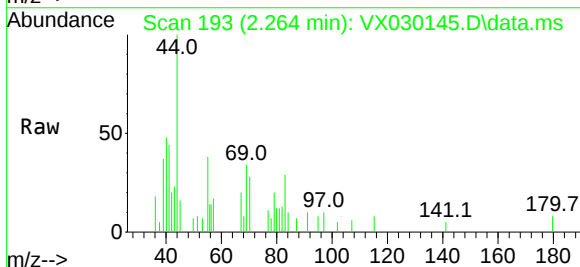
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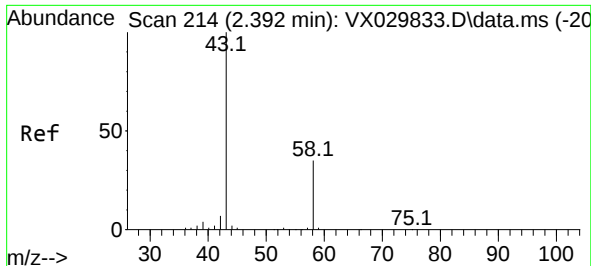
Tgt Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

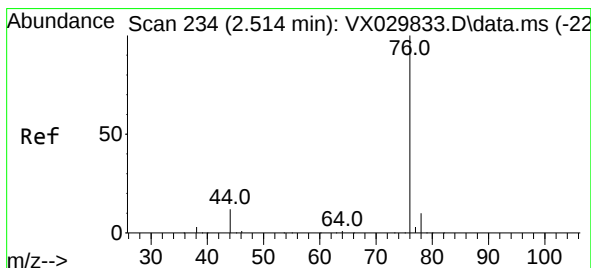
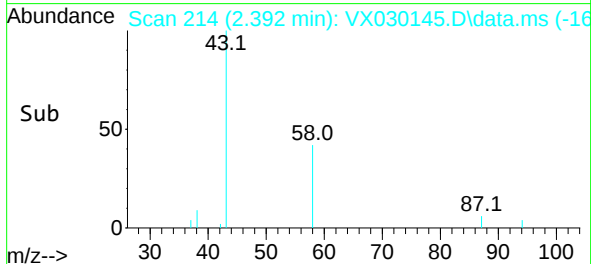
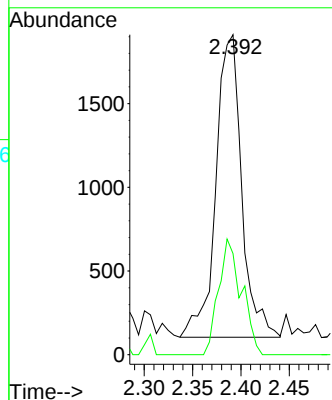
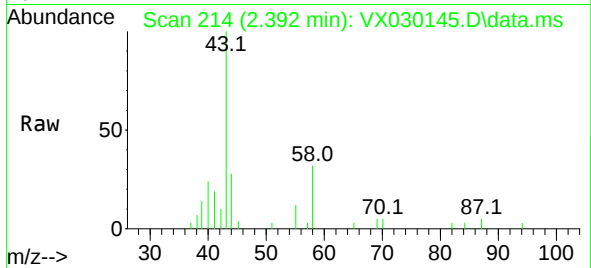




#16
Acetone
Concen: 3.223 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

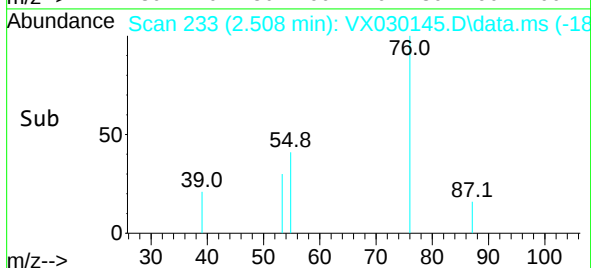
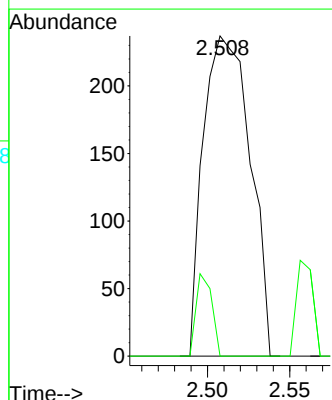
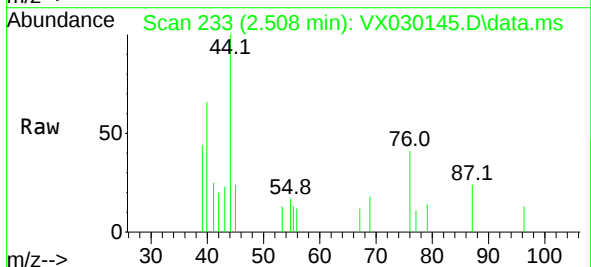
Instrument :
MSVOA_X
ClientSampleId :
TANK-M

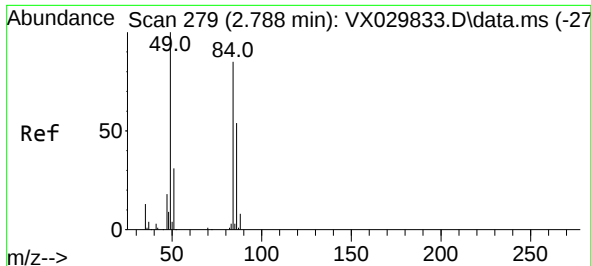
Tgt Ion: 43 Resp: 3345
Ion Ratio Lower Upper
43 100
58 33.4 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

Tgt Ion: 76 Resp: 469
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: VX030145.D

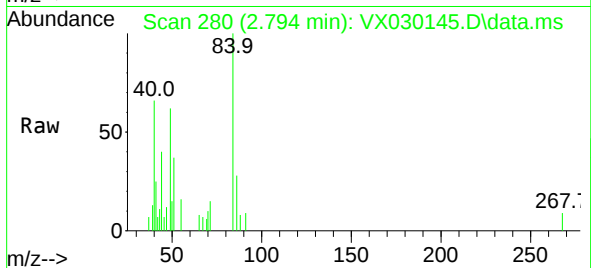
Acq: 20 Jul 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

TANK-M



Tgt Ion: 84 Resp: 1084

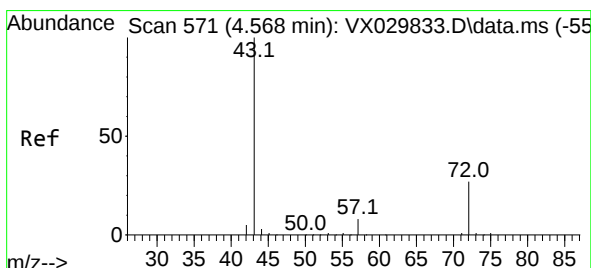
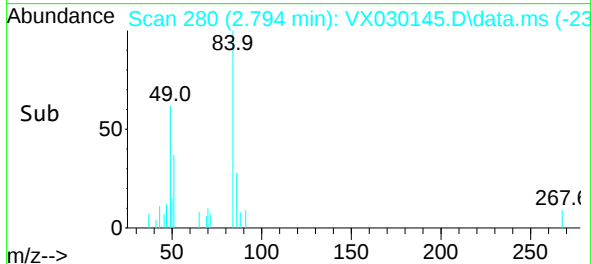
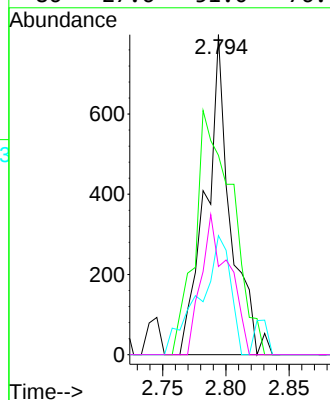
Ion Ratio Lower Upper

84 100

49 62.3 93.8 140.6#

51 37.2 29.4 44.0

86 27.6 51.0 76.4#



#25

2-Butanone

Concen: 0.580 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX030145.D

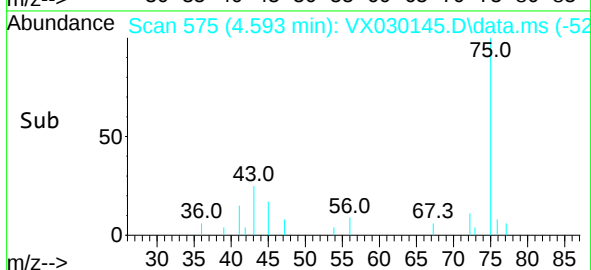
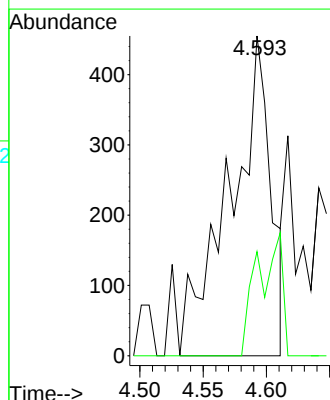
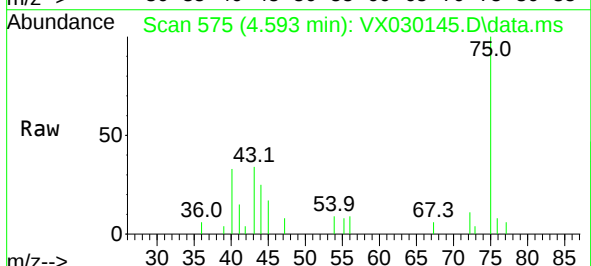
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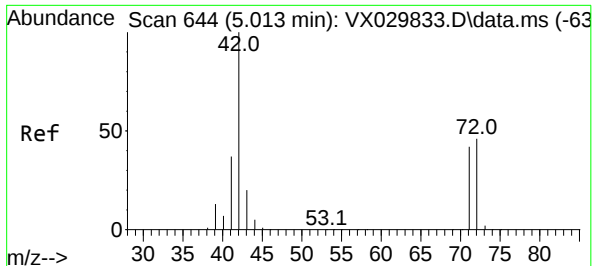
Tgt Ion: 43 Resp: 1026

Ion Ratio Lower Upper

43 100

72 32.5 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.359 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX030145.D

Acq: 20 Jul 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

TANK-M

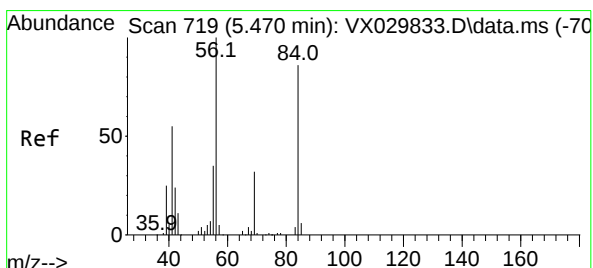
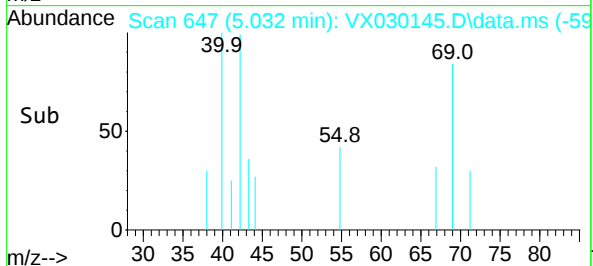
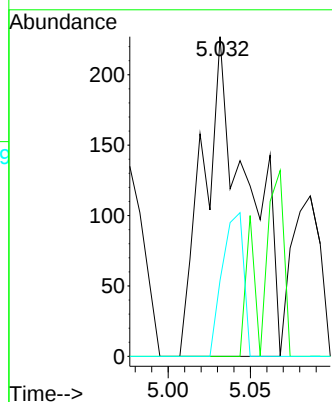
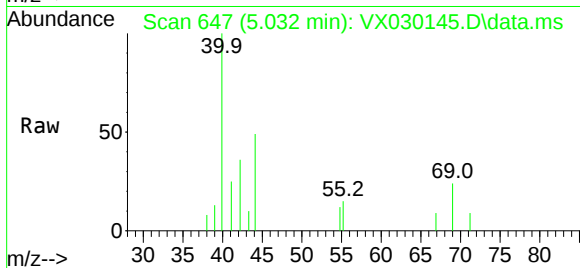
Tgt Ion: 42 Resp: 431

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 21.3 33.9 50.9#



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX030145.D

Acq: 20 Jul 2022 20:19

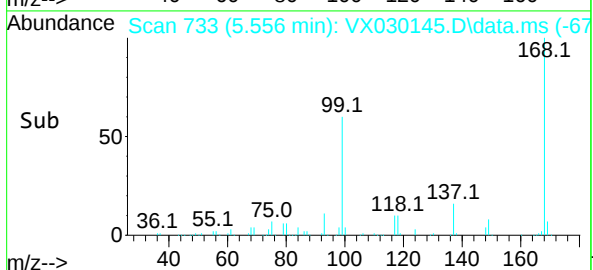
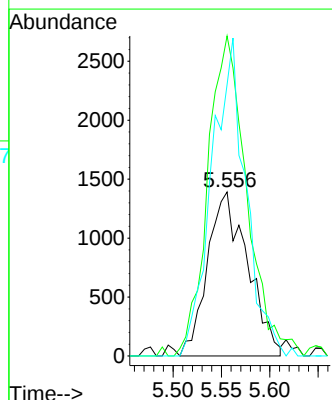
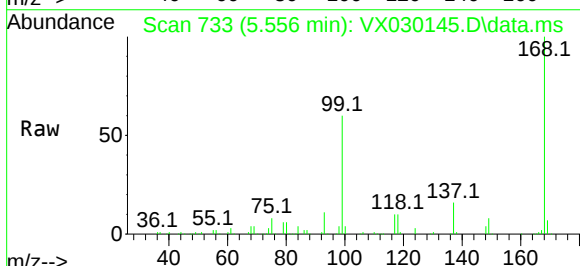
Tgt Ion: 56 Resp: 4031

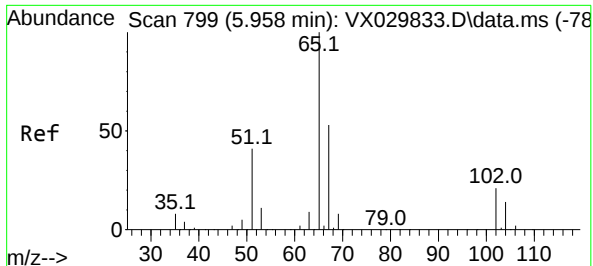
Ion Ratio Lower Upper

56 100

69 190.4 25.4 38.0#

84 165.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 52.900 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030145.D

Acq: 20 Jul 2022 20:19

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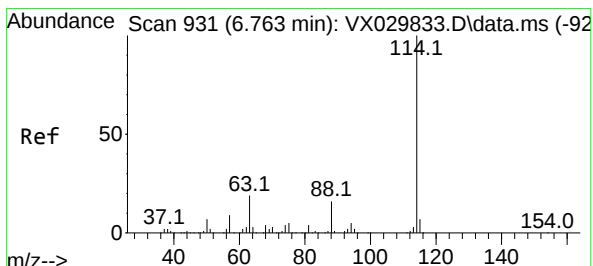
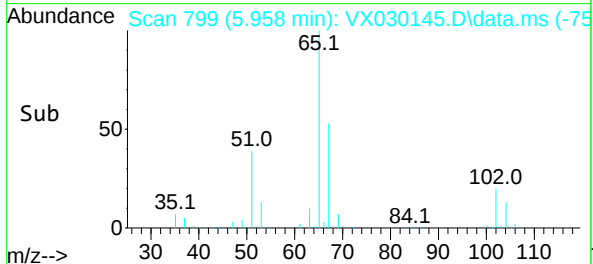
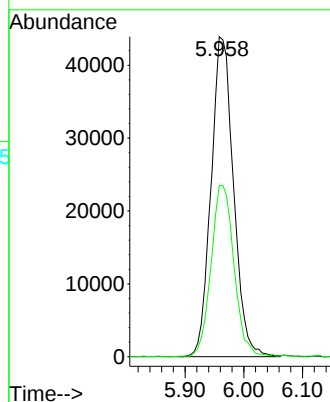
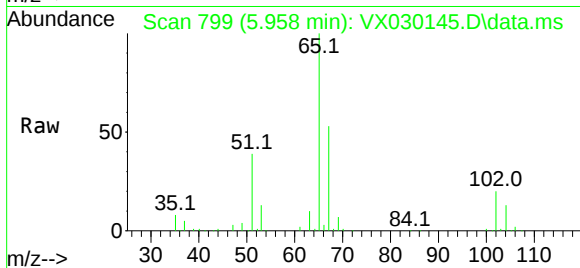
TANK-M

Tgt Ion: 65 Resp: 116512

Ion Ratio Lower Upper

65 100

67 54.8 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: VX030145.D

Acq: 20 Jul 2022 20:19

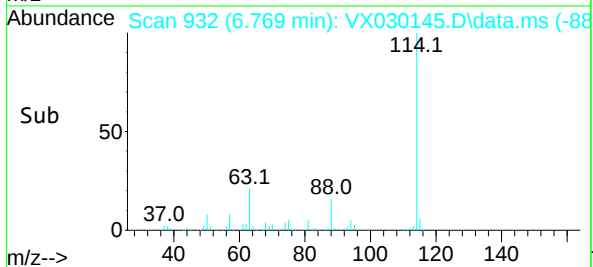
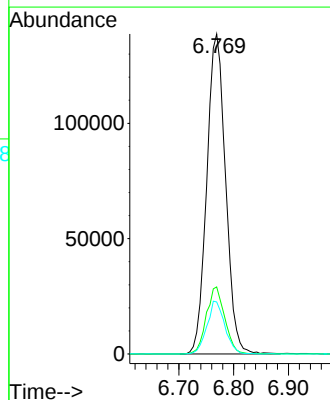
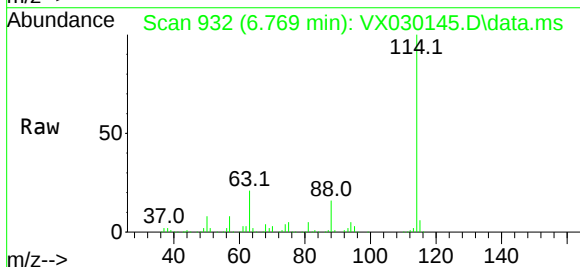
Tgt Ion: 114 Resp: 330083

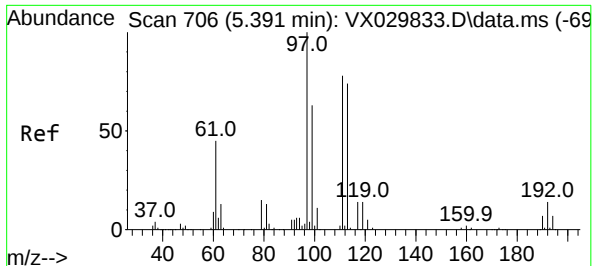
Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

88 16.2 0.0 31.8

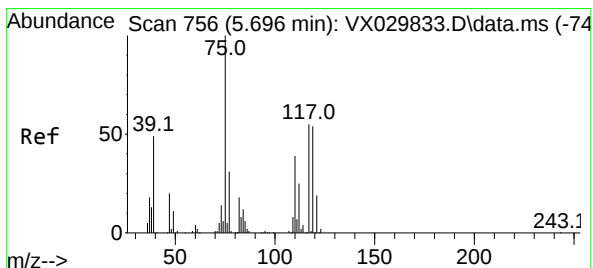
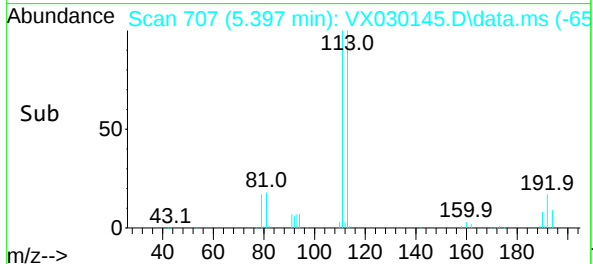
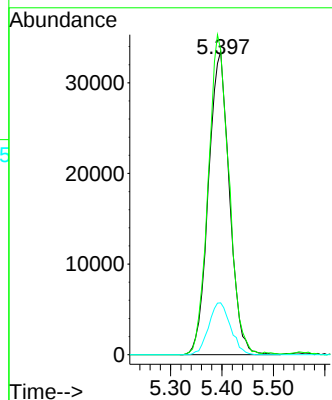
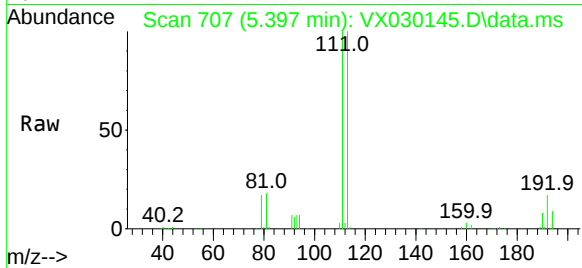




#35
Dibromofluoromethane
Concen: 44.909 ug/l
RT: 5.397 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

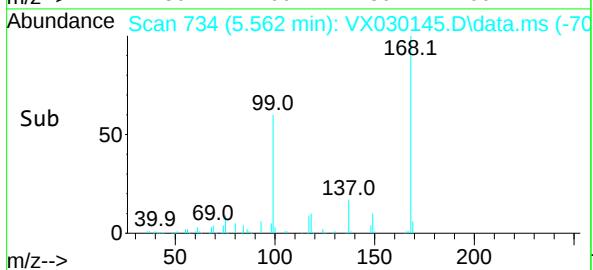
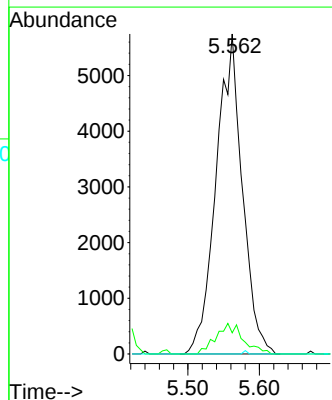
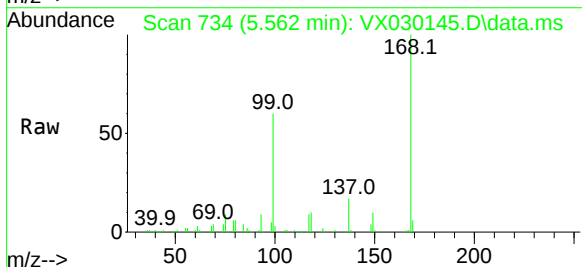
Instrument :
MSVOA_X
ClientSampleId :
TANK-M

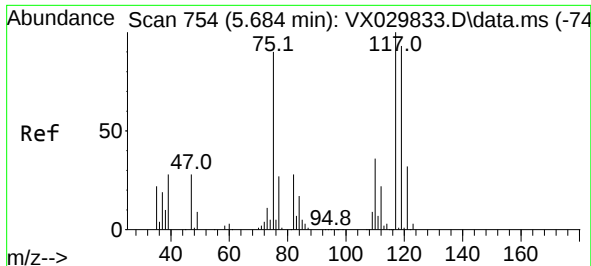
Tgt Ion:113 Resp: 94700
Ion Ratio Lower Upper
113 100
111 104.4 83.2 124.8
192 17.8 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.362 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

Tgt Ion: 75 Resp: 14604
Ion Ratio Lower Upper
75 100
110 9.9 19.3 57.9#
77 0.0 24.4 36.6#

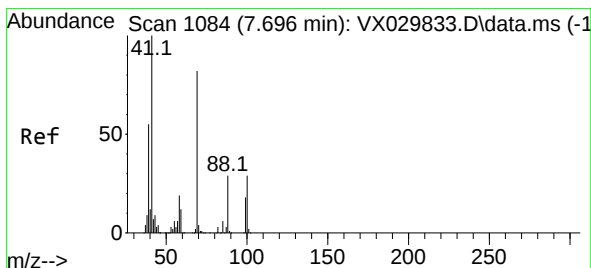
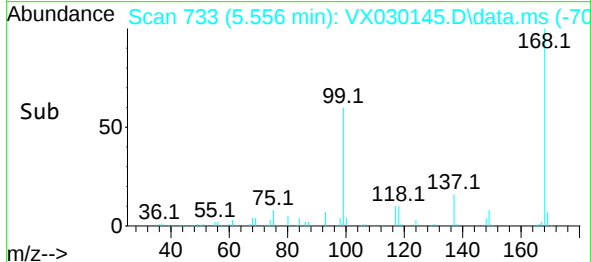
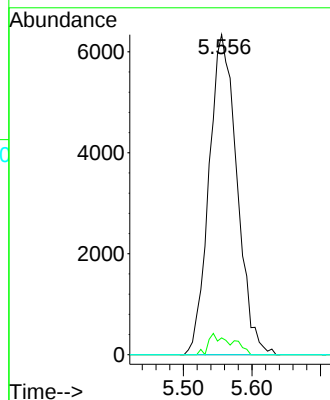
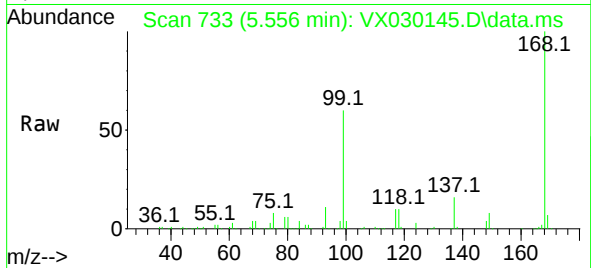




#38
Carbon Tetrachloride
Concen: 7.074 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

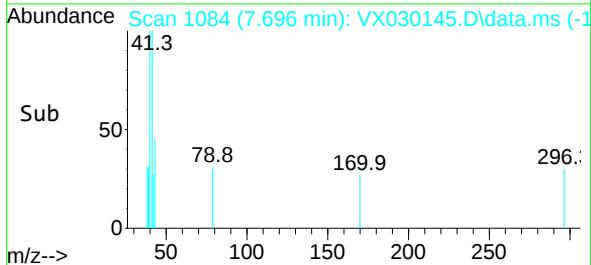
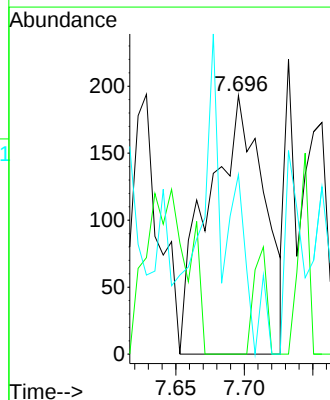
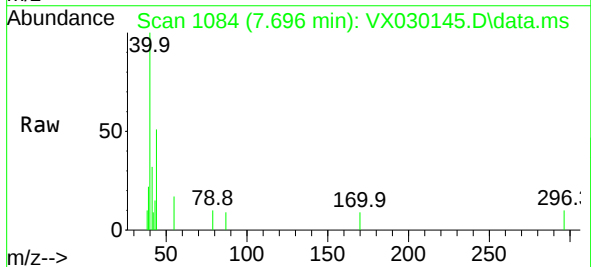
Instrument :
MSVOA_X
ClientSampleId :
TANK-M

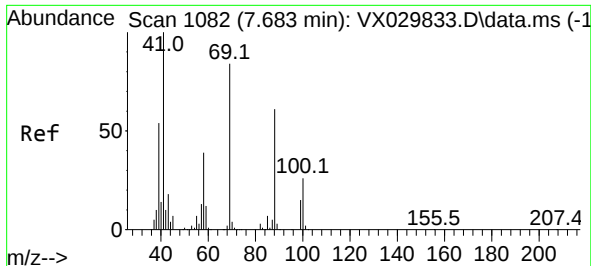
Tgt Ion:117 Resp: 17967
Ion Ratio Lower Upper
117 100
119 5.2 74.1 111.1#
121 0.0 25.8 38.8#



#48
Methyl methacrylate
Concen: 0.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

Tgt Ion: 41 Resp: 545
Ion Ratio Lower Upper
41 100
69 9.5 68.8 103.2#
39 0.0 44.6 66.8#





#49

1,4-Dioxane

Concen: 0.365 ug/l

RT: 7.641 min Scan# 1082

Delta R.T. -0.042 min

Lab File: VX030145.D

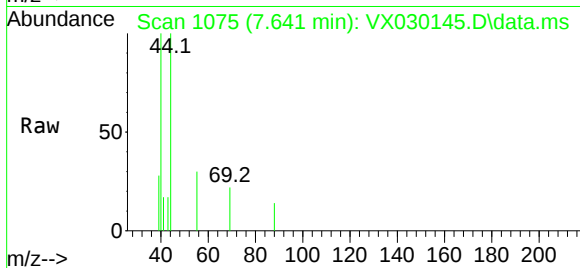
Acq: 20 Jul 2022 20:19

Instrument :

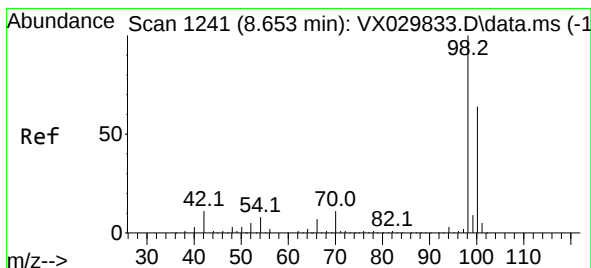
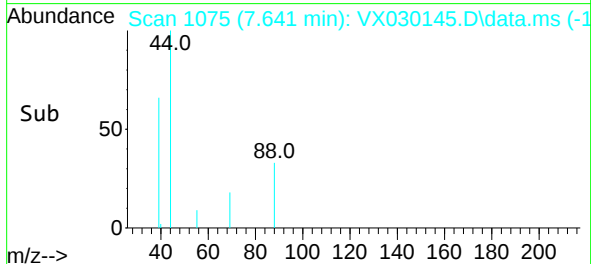
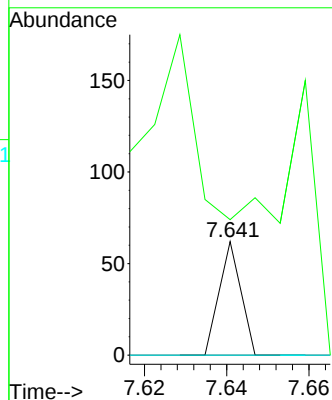
MSVOA_X

ClientSampleId :

TANK-M



Tgt Ion:	88	Resp:	23
Ion	Ratio	Lower	Upper
88	100		
43	908.7	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 47.888 ug/l

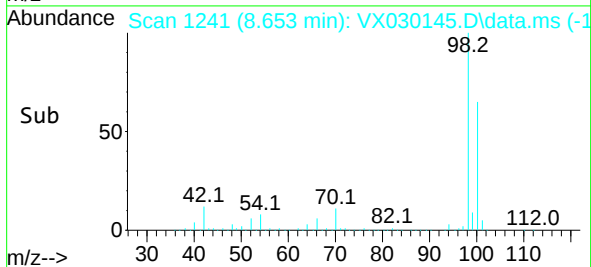
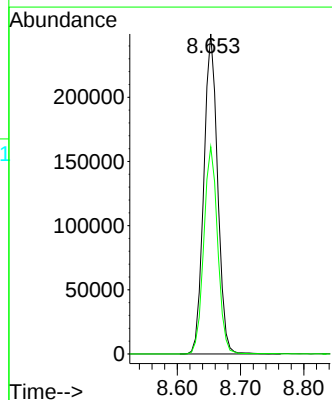
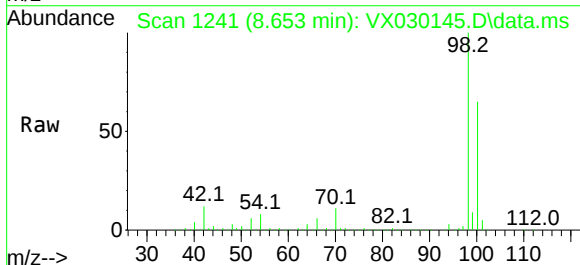
RT: 8.653 min Scan# 1241

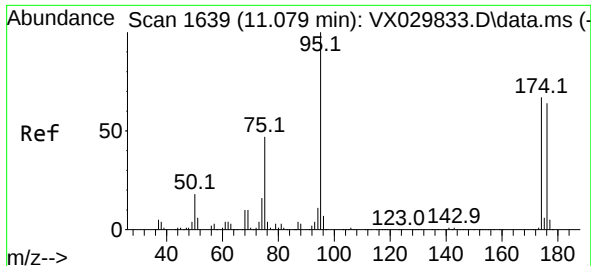
Delta R.T. -0.000 min

Lab File: VX030145.D

Acq: 20 Jul 2022 20:19

Tgt Ion:	98	Resp:	379785
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.3	78.5





#62

4-Bromofluorobenzene

Concen: 46.952 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX030145.D

Acq: 20 Jul 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

TANK-M

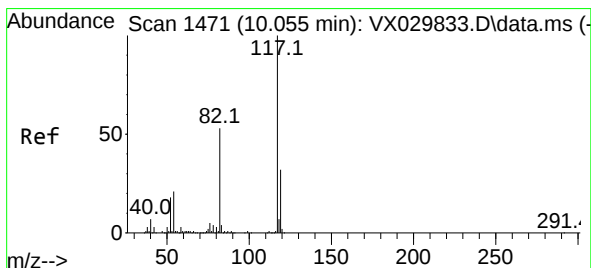
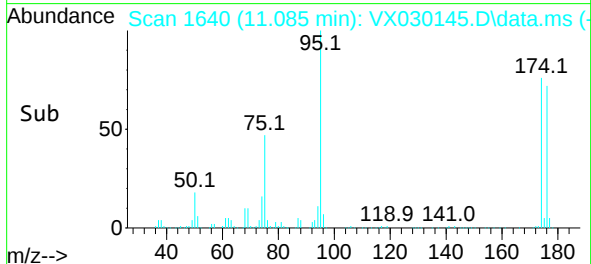
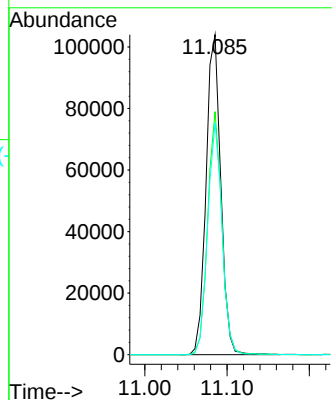
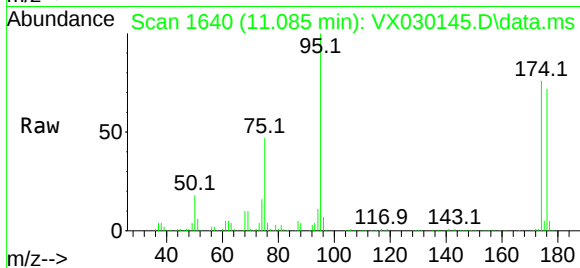
Tgt Ion: 95 Resp: 129219

Ion Ratio Lower Upper

95 100

174 73.1 0.0 149.0

176 71.1 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: VX030145.D

Acq: 20 Jul 2022 20:19

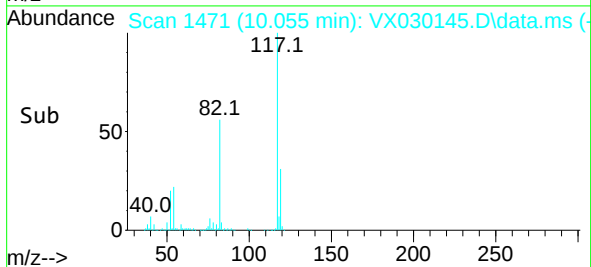
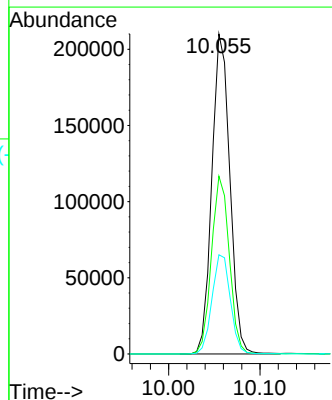
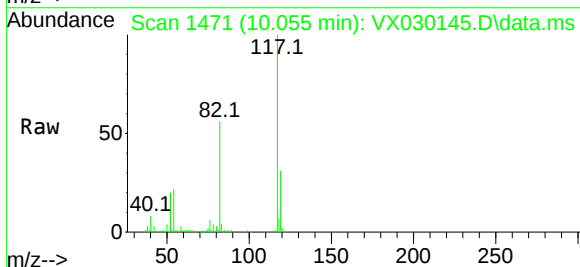
Tgt Ion: 117 Resp: 286662

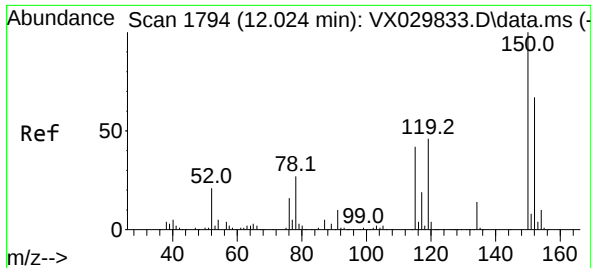
Ion Ratio Lower Upper

117 100

82 55.6 42.7 64.1

119 31.0 25.4 38.2

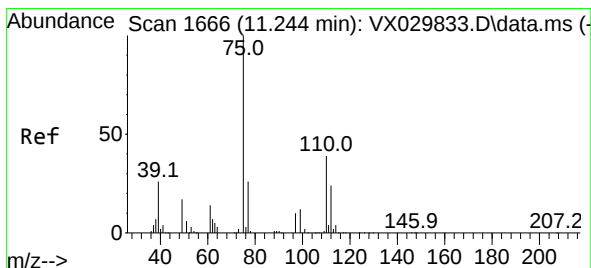
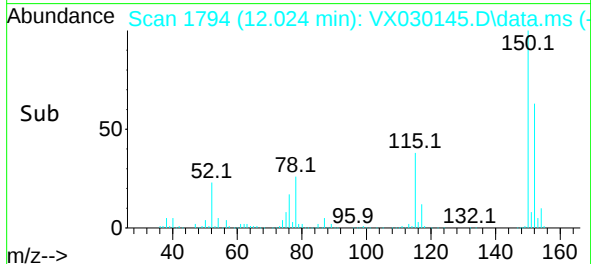
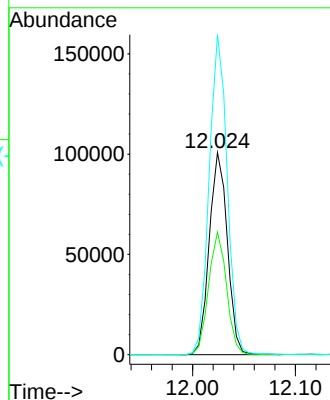
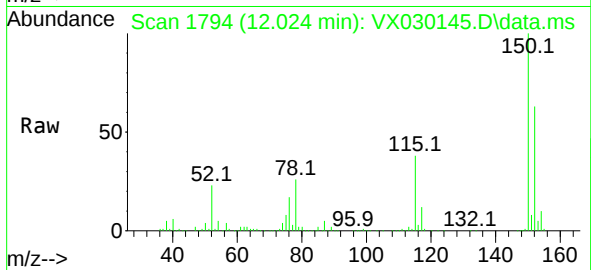




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

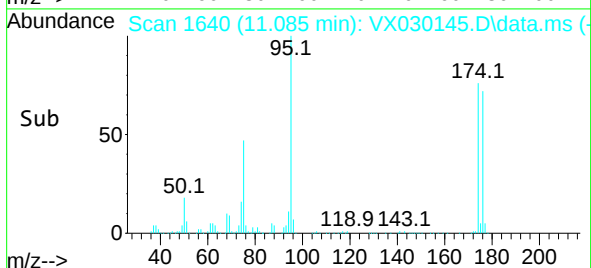
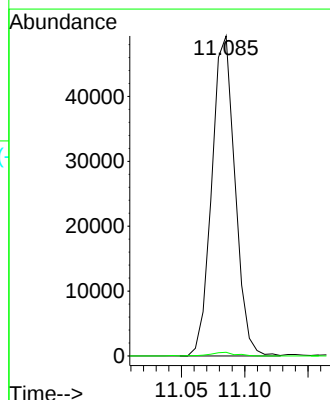
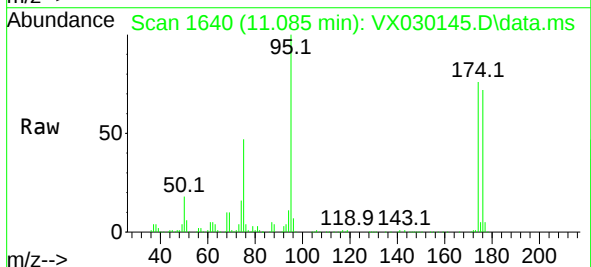
Instrument :
MSVOA_X
ClientSampleId :
TANK-M

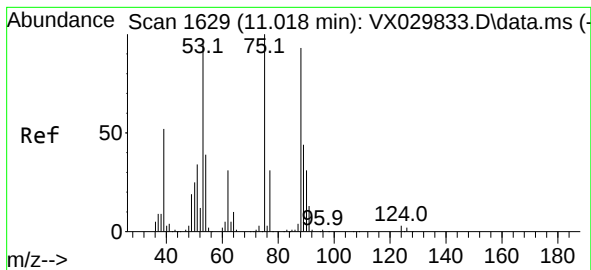
Tgt Ion:152 Resp: 123585
Ion Ratio Lower Upper
152 100
115 60.3 40.5 121.5
150 157.5 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 22.158 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030145.D
Acq: 20 Jul 2022 20:19

Tgt Ion: 75 Resp: 62962
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.948 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030145.D
 Acq: 20 Jul 2022 20:19

Instrument :
 MSVOA_X
 ClientSampleId :
 TANK-M

Tgt Ion: 75 Resp: 62962
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

