

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031043.D
 Acq On : 02 Sep 2022 00:26
 Operator : JC/MD
 Sample : N4297-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20220821

Quant Time: Sep 02 02:57:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

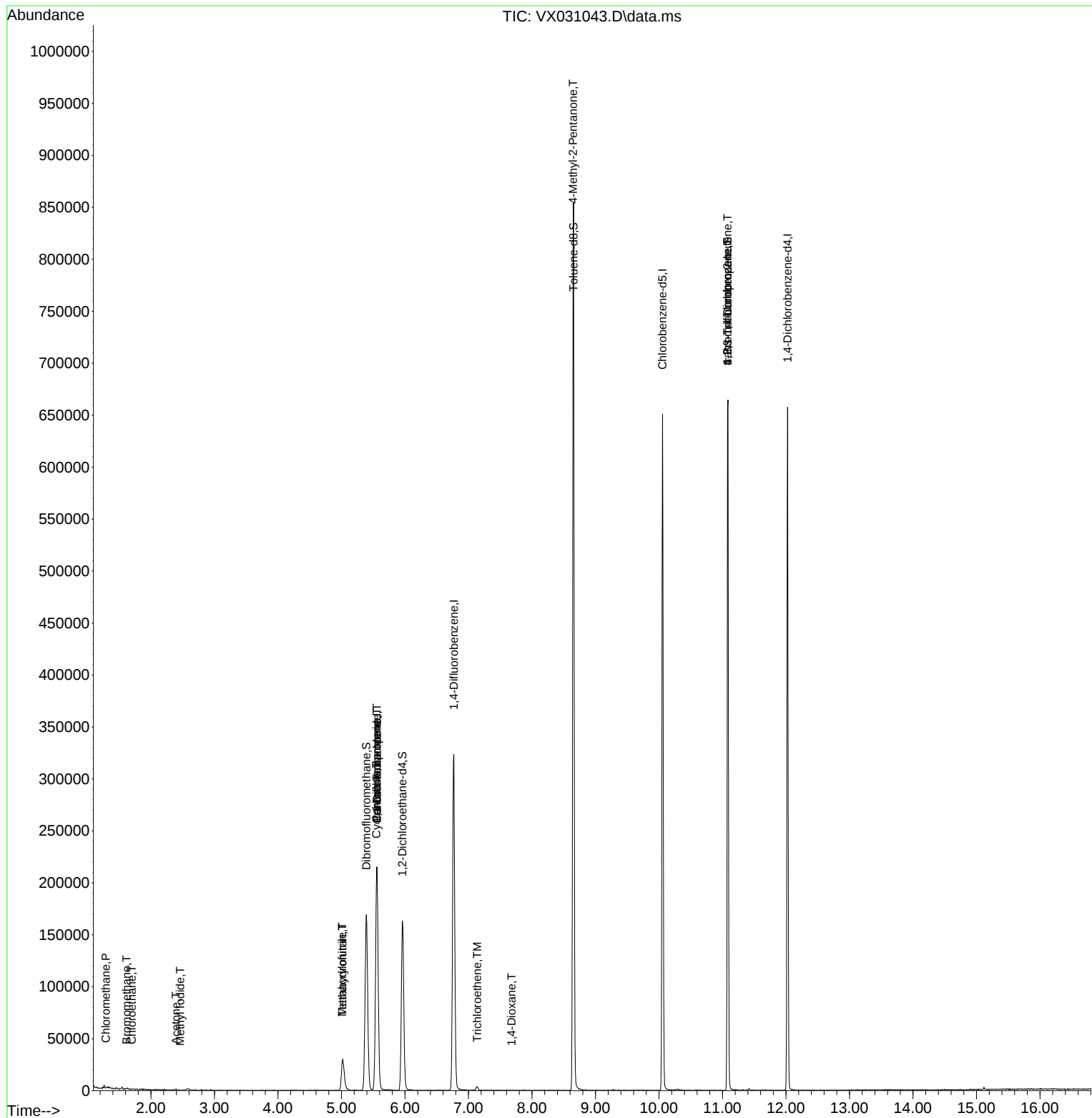
Internal Standards						
1) Pentafluorobenzene	5.556	168	217543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	357519	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156813	56.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.040%			
35) Dibromofluoromethane	5.391	113	150514	57.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.380%			
50) Toluene-d8	8.653	98	548284	57.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.200%#			
62) 4-Bromofluorobenzene	11.079	95	188768	55.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.320%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	180	0.783	ug/l	91
5) Bromomethane	1.618	94	319	0.305	ug/l #	42
6) Chloroethane	1.697	64	94	1.793	ug/l #	41
10) Methyl Iodide	2.459	142	82	2.939	ug/l #	80
11) Tert butyl alcohol	2.947	59	82	Below Cal	#	74
16) Acetone	2.392	43	1148	1.062	ug/l	96
20) Methylene Chloride	2.788	84	196	Below Cal	#	56
29) Tetrahydrofuran	5.013	42	26592	24.725	ug/l #	83
31) Cyclohexane	5.550	56	3252	0.850	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14020	3.836	ug/l #	45
38) Carbon Tetrachloride	5.556	117	21427	5.648	ug/l #	16
41) Methacrylonitrile	5.013	41	15493	9.152	ug/l #	45
44) Trichloroethene	7.135	130	1864	0.561	ug/l	90
49) 1,4-Dioxane	7.678	88	31	0.407	ug/l #	24
51) 4-Methyl-2-Pentanone	8.647	43	1666	0.522	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	86088	25.209	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	86088	79.226	ug/l #	13

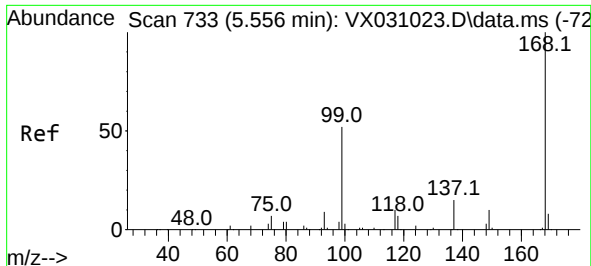
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

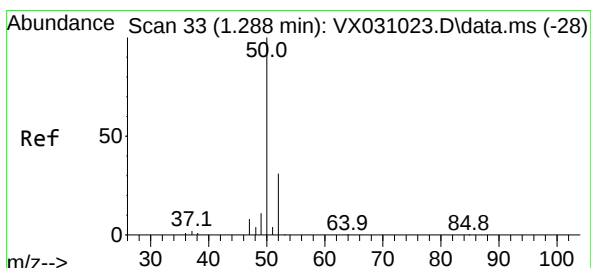
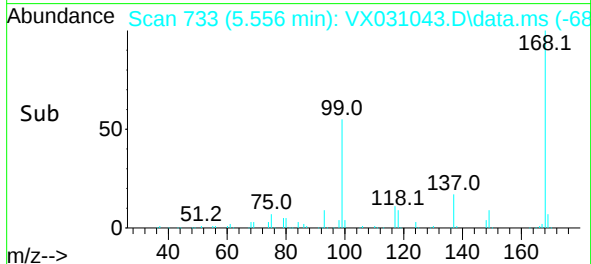
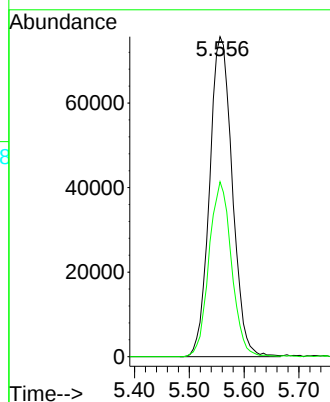
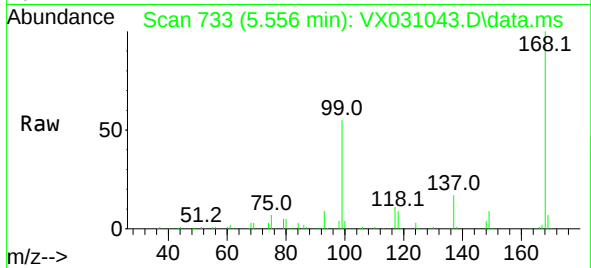




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

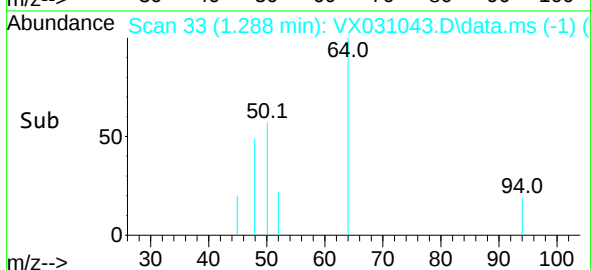
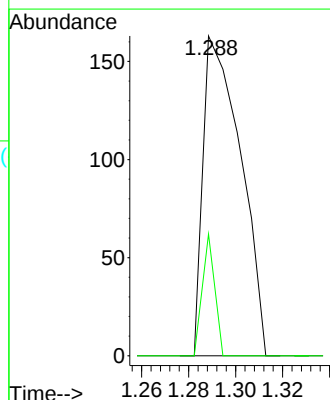
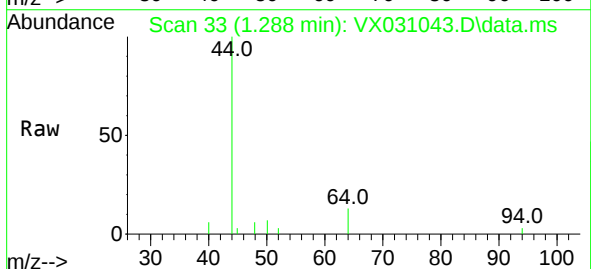
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20220821

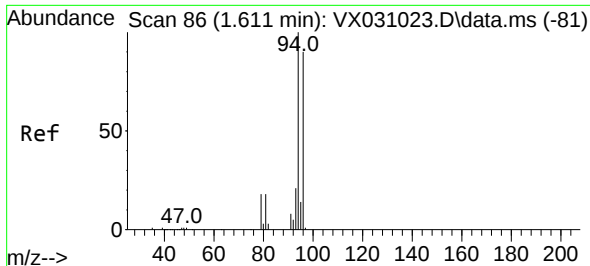
Tgt Ion:168 Resp: 217543
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#3
Chloromethane
Concen: 0.783 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

Tgt Ion: 50 Resp: 180
Ion Ratio Lower Upper
50 100
52 38.0 26.3 39.5

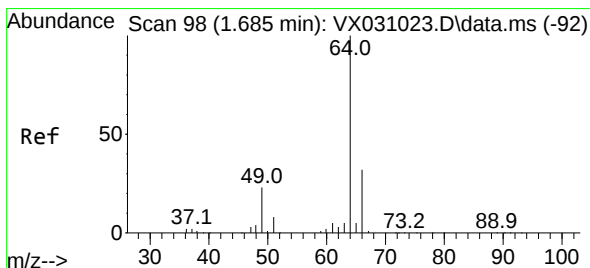
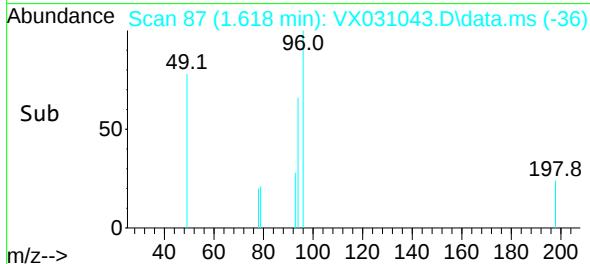
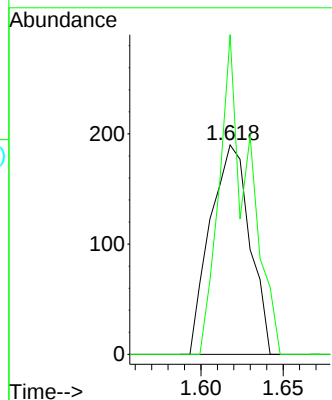
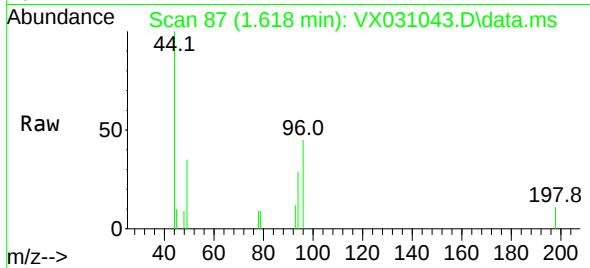




#5
Bromomethane
Concen: 0.305 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

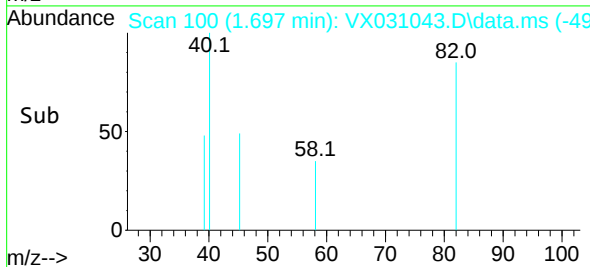
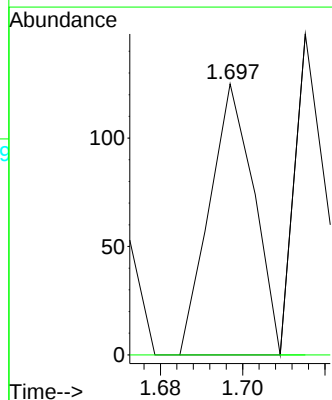
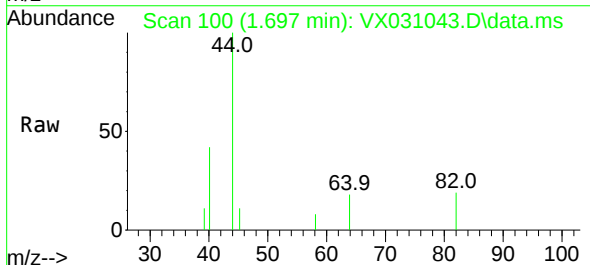
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20220821

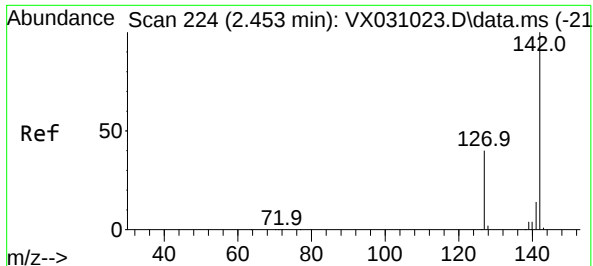
Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 152.6 76.9 115.3#



#6
Chloroethane
Concen: 1.793 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

Tgt Ion: 64 Resp: 94
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

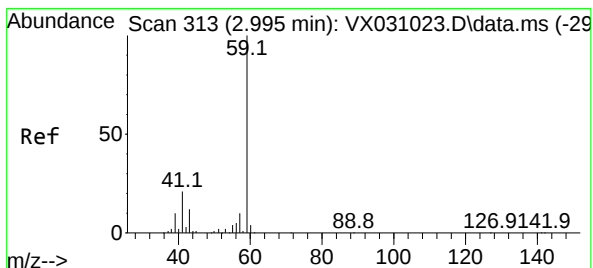
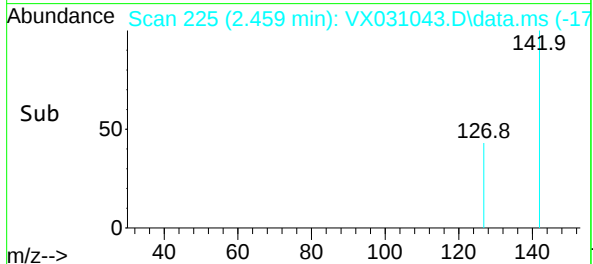
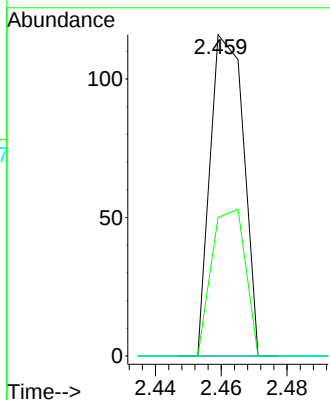
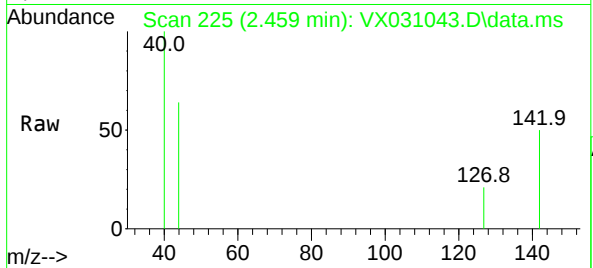




#10
Methyl Iodide
Concen: 2.939 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

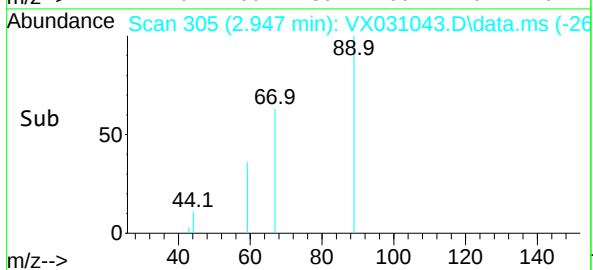
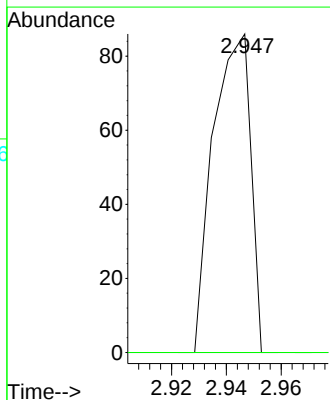
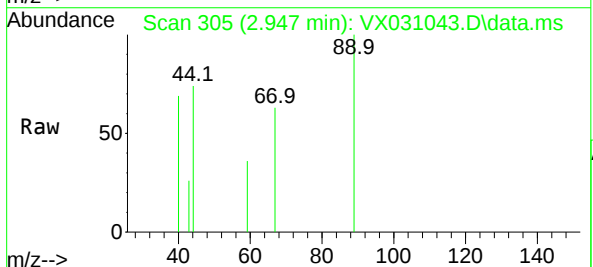
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20220821

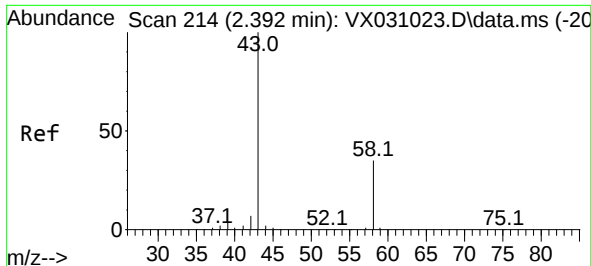
Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 46.3 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

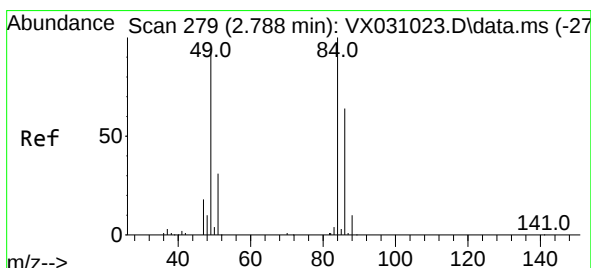
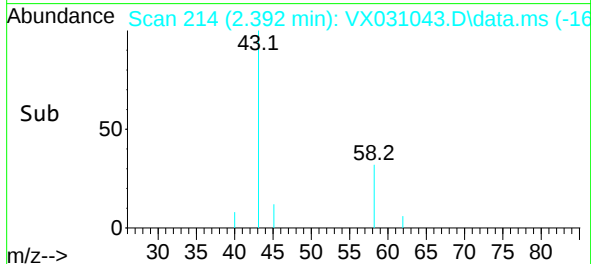
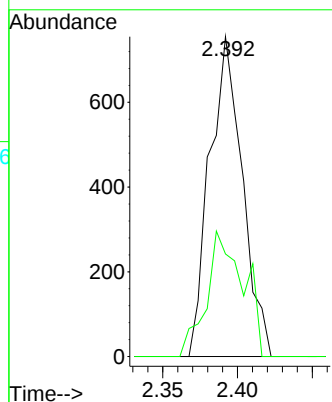
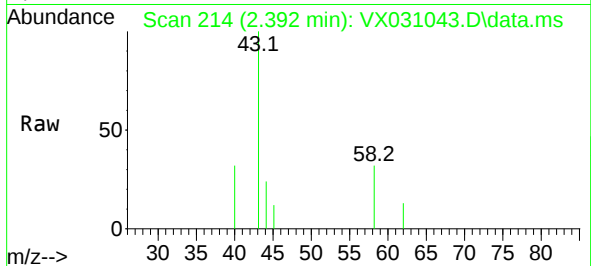




#16
Acetone
Concen: 1.062 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

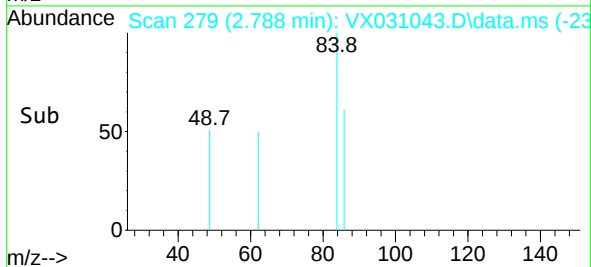
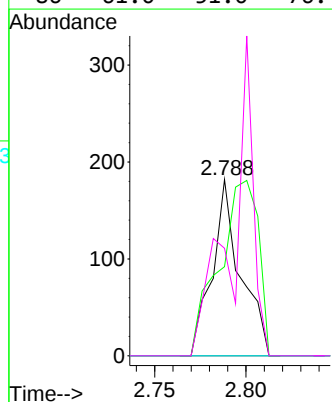
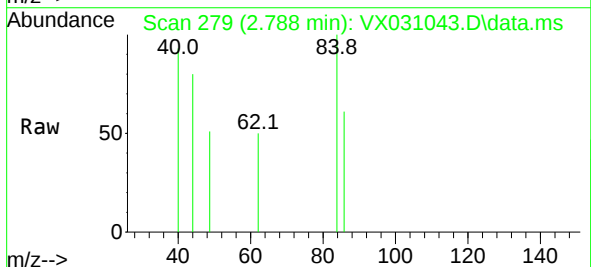
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20220821

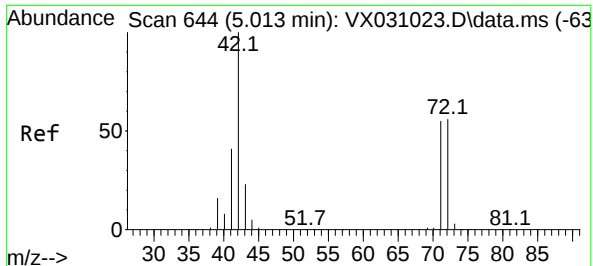
Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 32.1 27.7 41.5



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

Tgt Ion: 84 Resp: 196
Ion Ratio Lower Upper
84 100
49 50.5 93.8 140.6#
51 0.0 29.4 44.0#
86 61.0 51.0 76.4





#29

Tetrahydrofuran

Concen: 24.725 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX031043.D

Acq: 02 Sep 2022 00:26

Instrument :

MSVOA_X

ClientSampleId :

DUP08-20220821

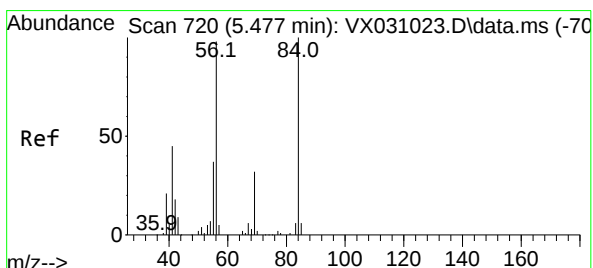
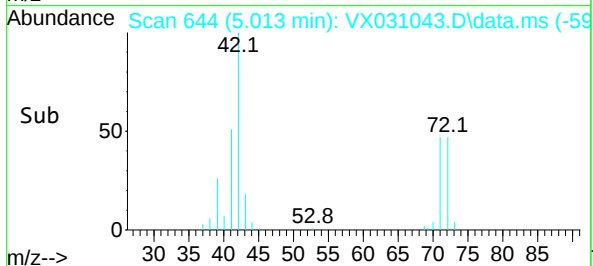
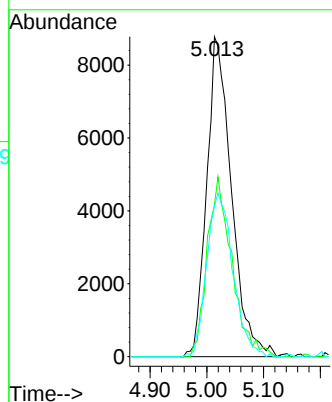
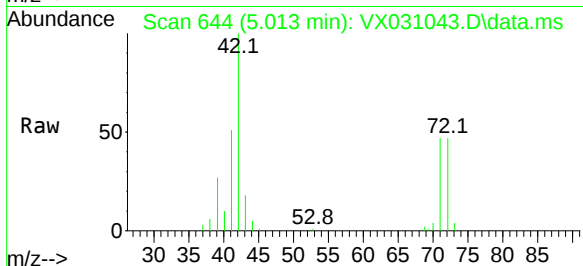
Tgt Ion: 42 Resp: 26592

Ion Ratio Lower Upper

42 100

72 56.4 36.5 54.7#

71 54.3 33.9 50.9#



#31

Cyclohexane

Concen: 0.850 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX031043.D

Acq: 02 Sep 2022 00:26

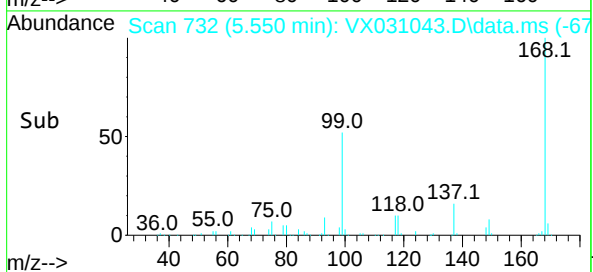
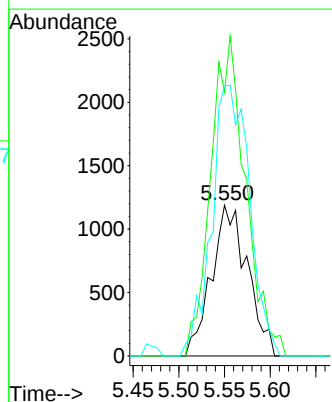
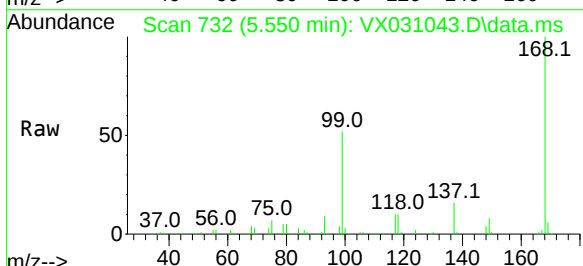
Tgt Ion: 56 Resp: 3252

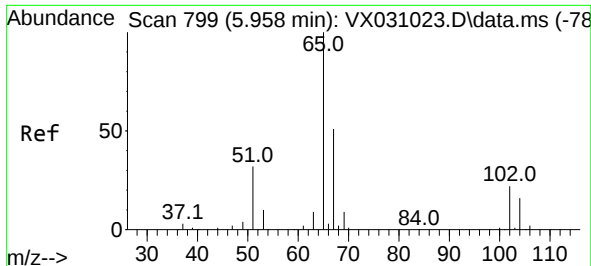
Ion Ratio Lower Upper

56 100

69 175.1 25.4 38.0#

84 179.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 56.022 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031043.D

Acq: 02 Sep 2022 00:26

Instrument :

MSVOA_X

ClientSampleId :

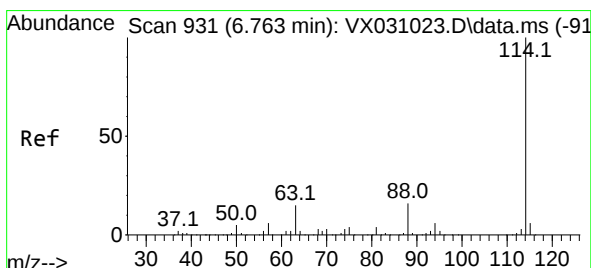
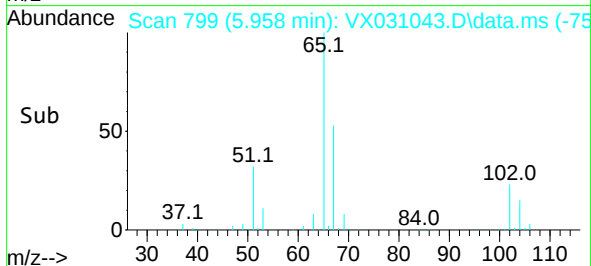
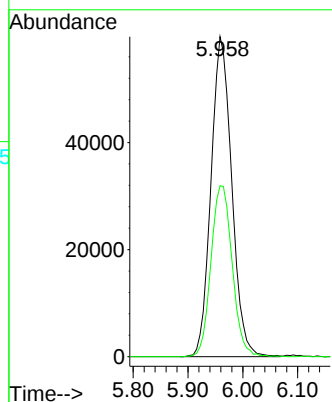
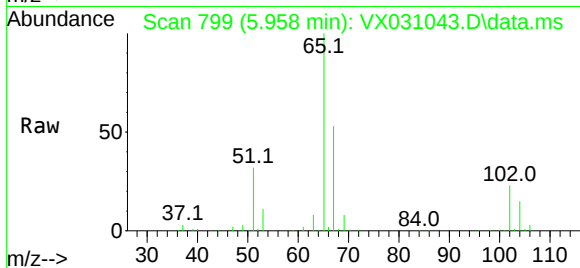
DUP08-20220821

Tgt Ion: 65 Resp: 156813

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX031043.D

Acq: 02 Sep 2022 00:26

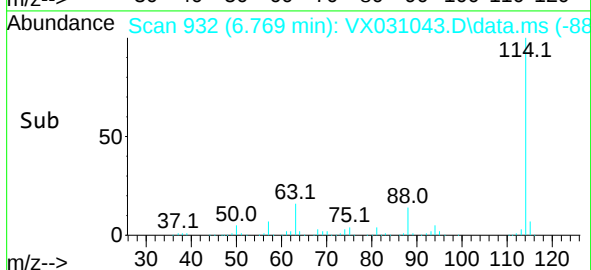
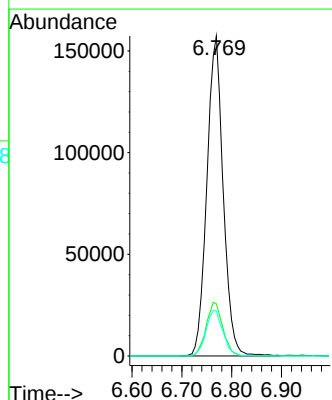
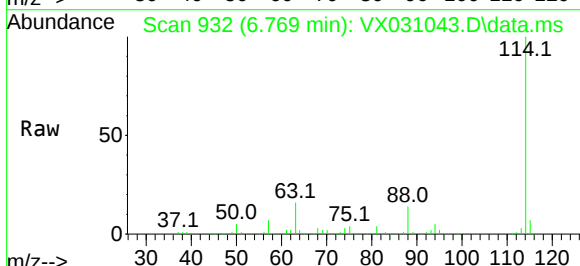
Tgt Ion: 114 Resp: 357519

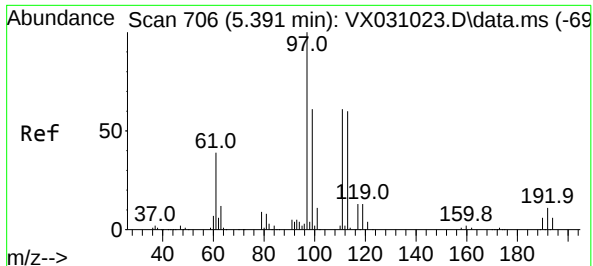
Ion Ratio Lower Upper

114 100

63 16.3 0.0 38.4

88 14.1 0.0 31.8

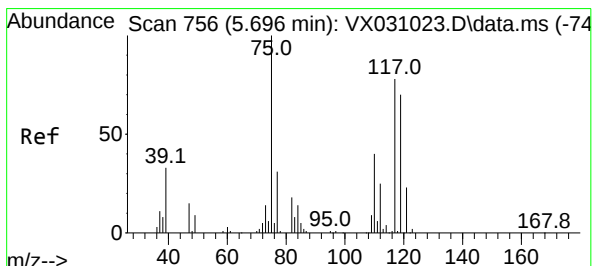
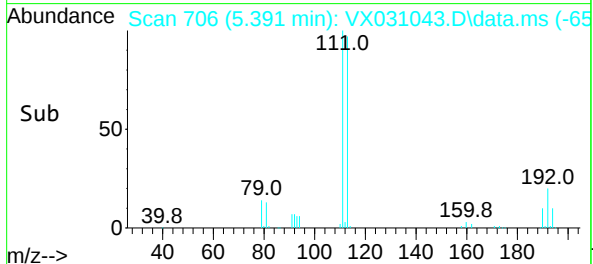
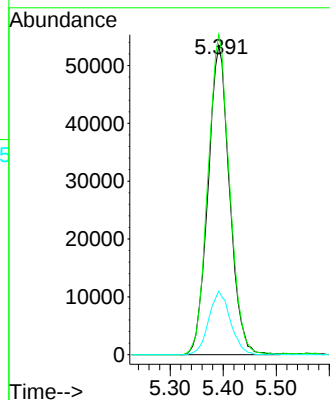
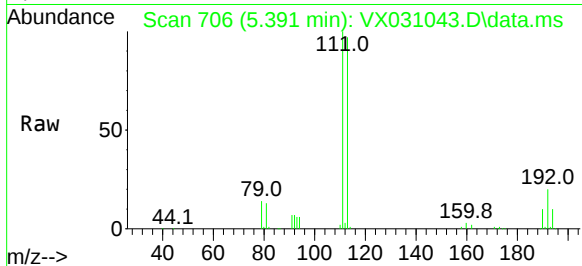




#35
Dibromofluoromethane
Concen: 57.689 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

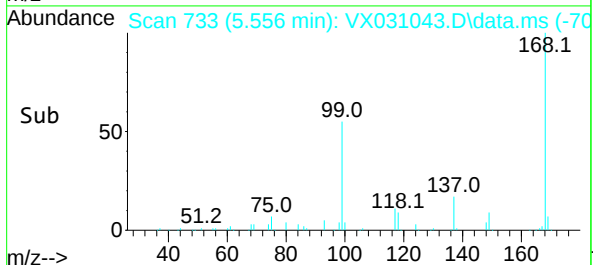
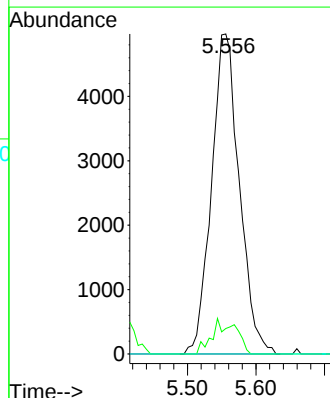
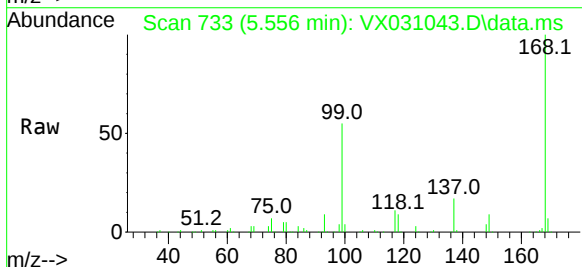
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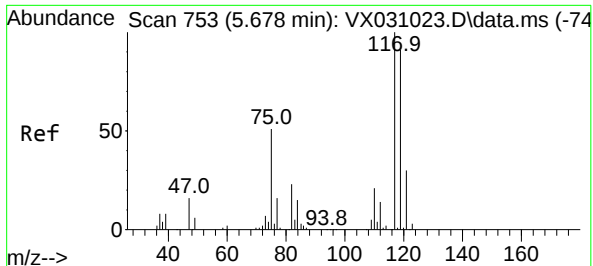
Tgt Ion:113 Resp: 150514
Ion Ratio Lower Upper
113 100
111 104.1 83.2 124.8
192 20.7 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.836 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

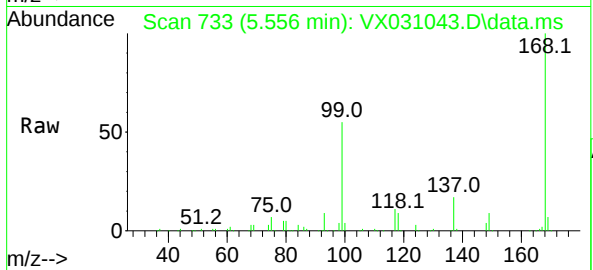
Tgt Ion: 75 Resp: 14020
Ion Ratio Lower Upper
75 100
110 5.4 19.3 57.9#
77 0.0 24.4 36.6#



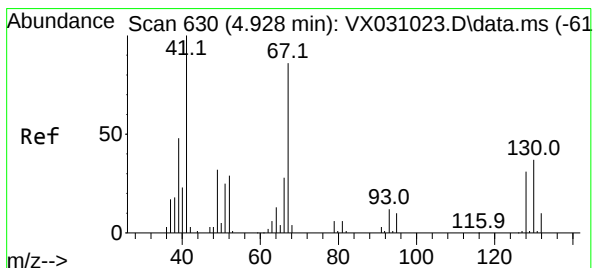
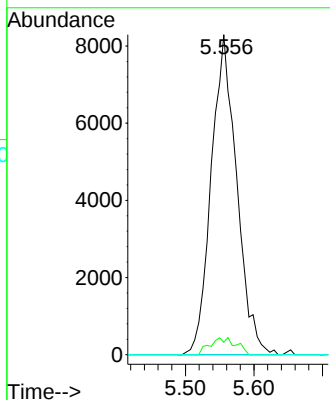
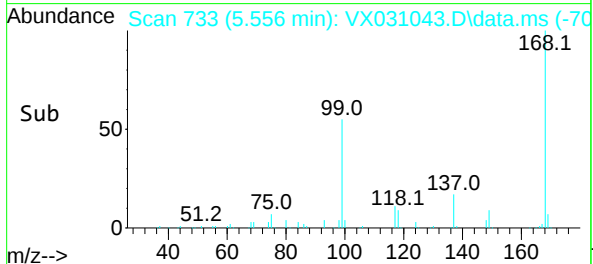


#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

Instrument :
MSVOA_X
ClientSampleId :
DUP08-20220821

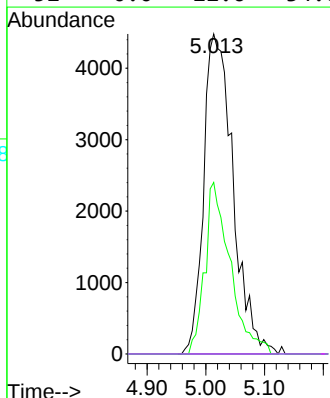
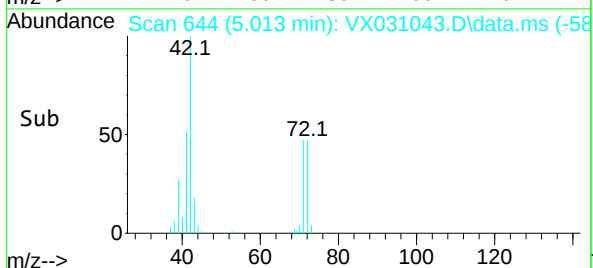
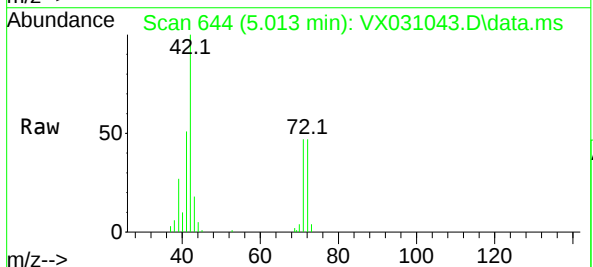


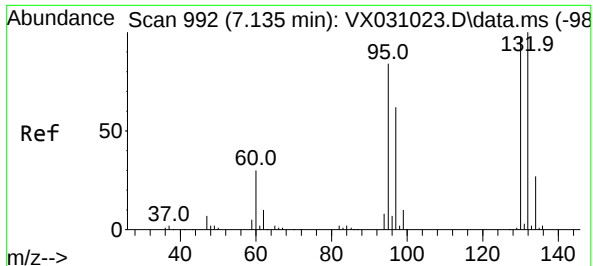
Tgt Ion:117 Resp: 21427
Ion Ratio Lower Upper
117 100
119 3.9 74.1 111.1#
121 0.0 25.8 38.8#



#41
Methacrylonitrile
Concen: 9.152 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.085 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

Tgt Ion: 41 Resp: 15493
Ion Ratio Lower Upper
41 100
39 46.4 42.9 64.3
67 0.0 60.1 90.1#
52 0.0 22.6 34.0#

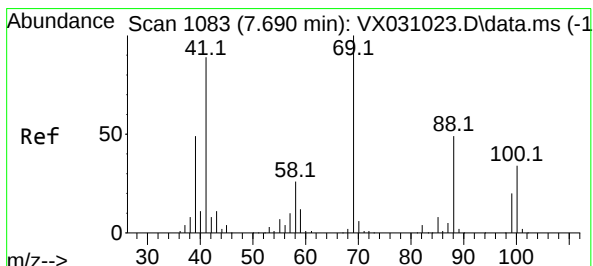
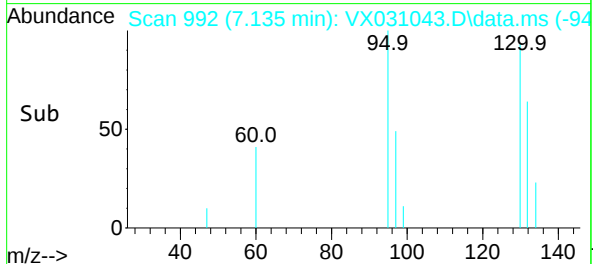
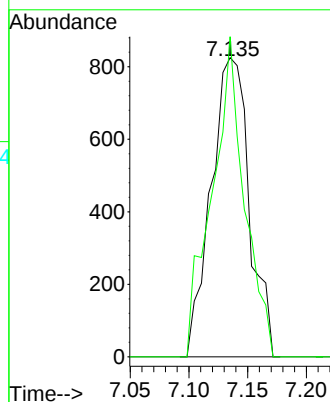
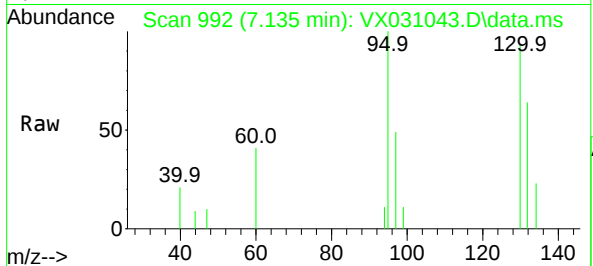




#44
Trichloroethene
Concen: 0.561 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

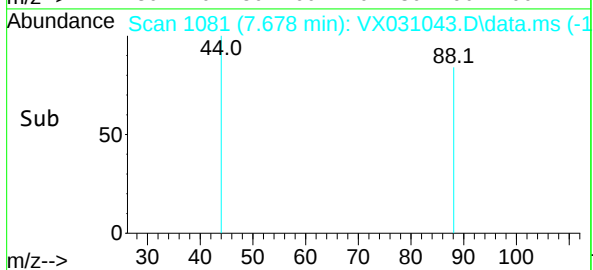
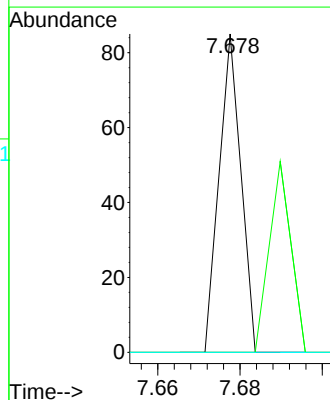
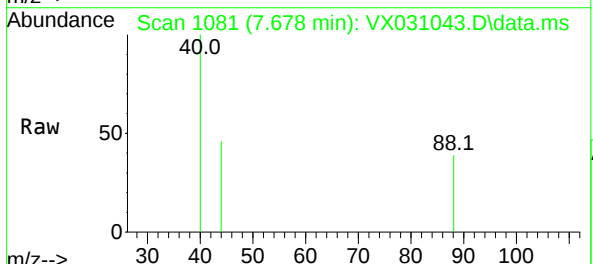
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20220821

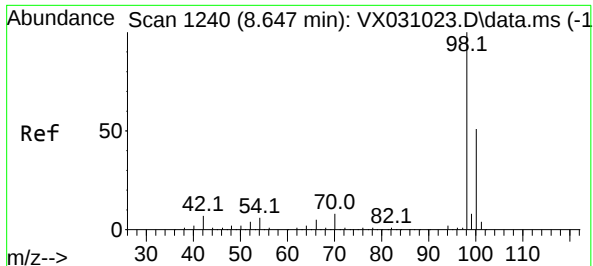
Tgt Ion:130 Resp: 1864
Ion Ratio Lower Upper
130 100
95 107.0 0.0 194.8



#49
1,4-Dioxane
Concen: 0.407 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.001 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 61.3 23.8 35.8#
58 0.0 53.8 80.6#





#50

Toluene-d8

Concen: 57.099 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031043.D

Acq: 02 Sep 2022 00:26

Instrument :

MSVOA_X

ClientSampleId :

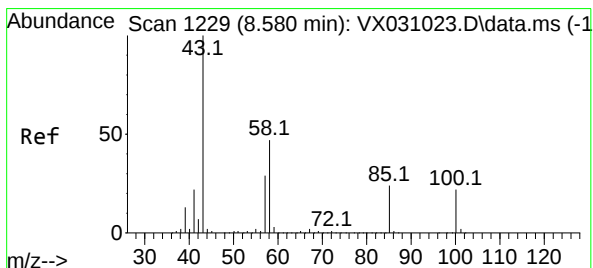
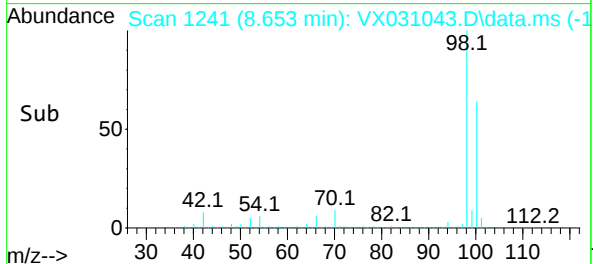
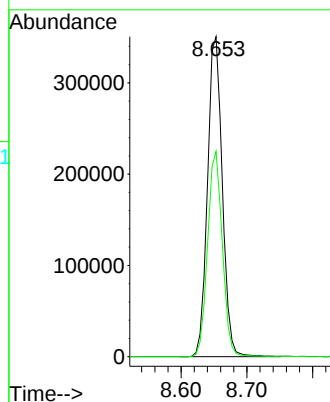
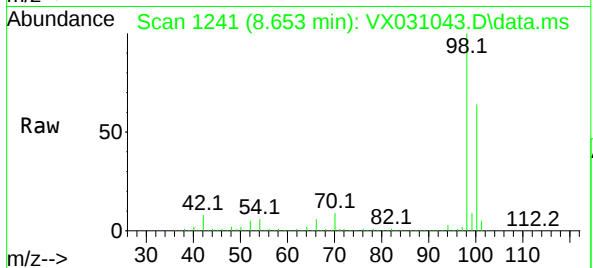
DUP08-20220821

Tgt Ion: 98 Resp: 548284

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.522 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031043.D

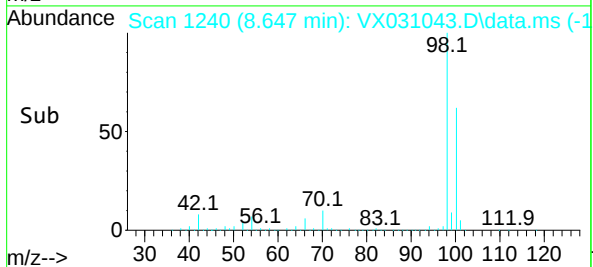
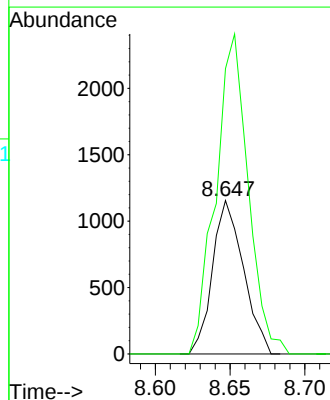
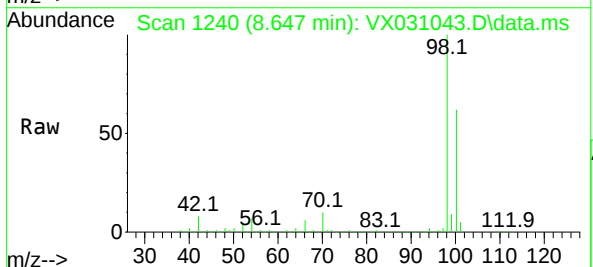
Acq: 02 Sep 2022 00:26

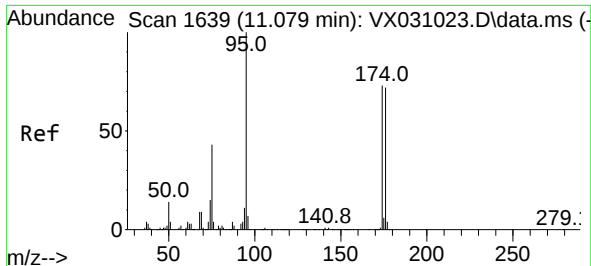
Tgt Ion: 43 Resp: 1666

Ion Ratio Lower Upper

43 100

58 218.5 31.4 47.2#

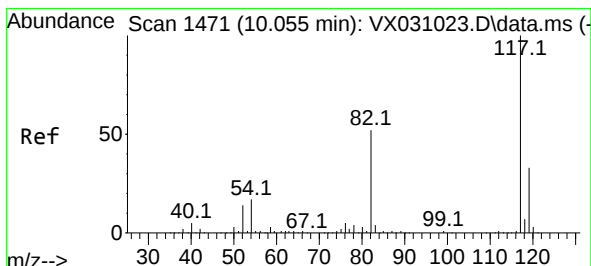
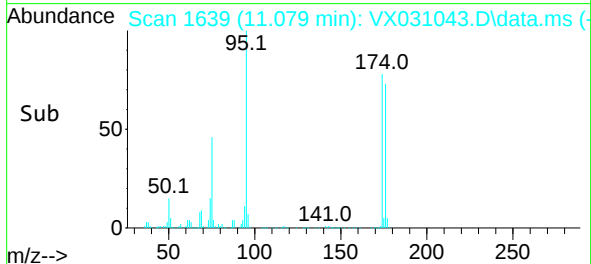
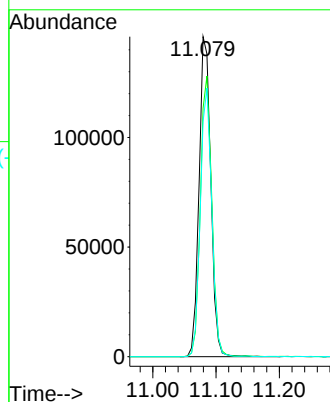
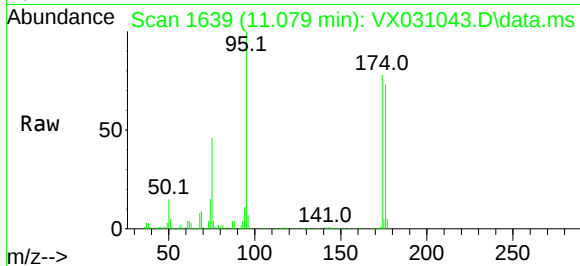




#62
4-Bromofluorobenzene
Concen: 55.659 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

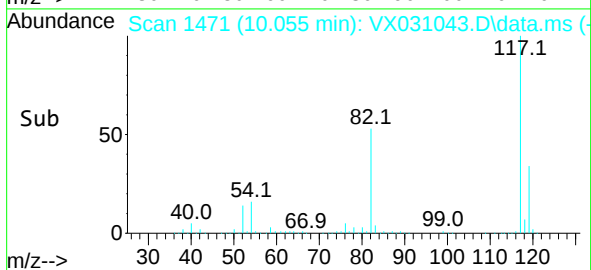
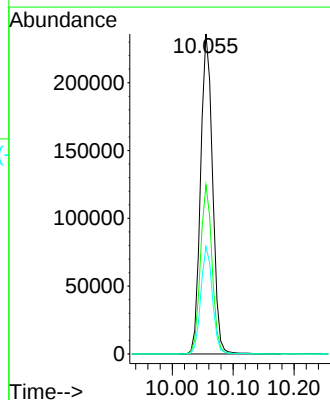
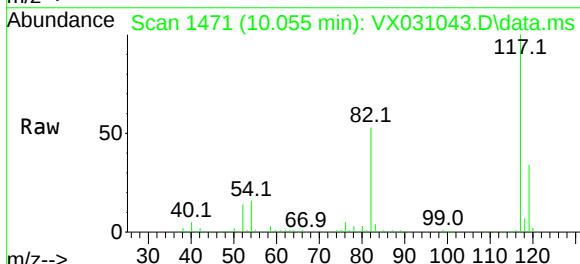
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20220821

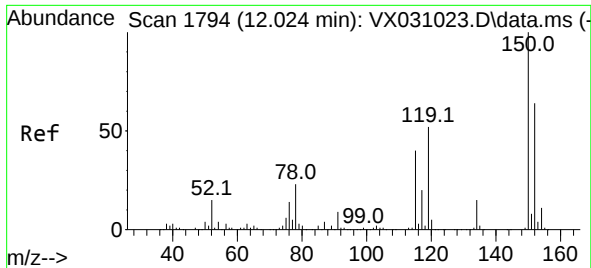
Tgt Ion: 95 Resp: 188768
Ion Ratio Lower Upper
95 100
174 85.5 0.0 149.0
176 82.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031043.D
Acq: 02 Sep 2022 00:26

Tgt Ion: 117 Resp: 321369
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 33.5 25.4 38.2

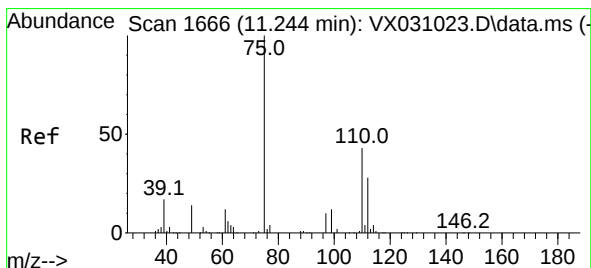
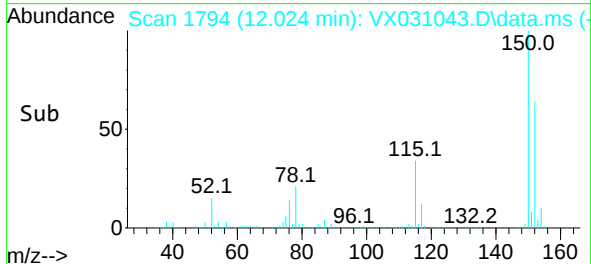
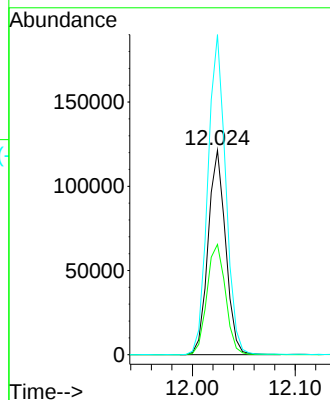
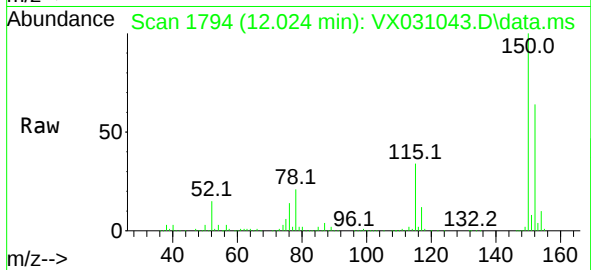




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031043.D
 Acq: 02 Sep 2022 00:26

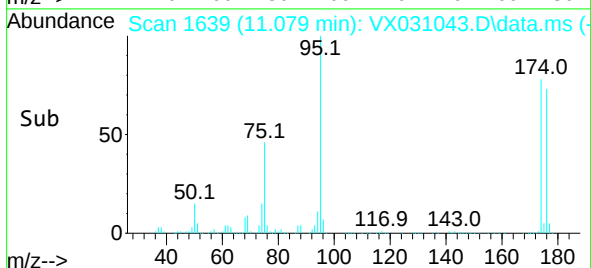
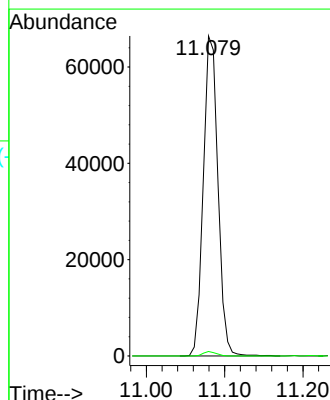
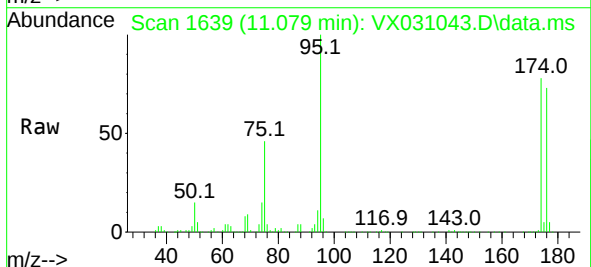
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20220821

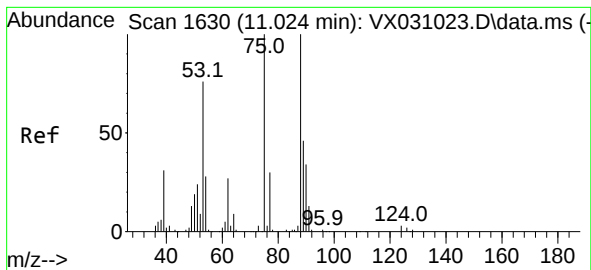
Tgt Ion:152 Resp: 144462
 Ion Ratio Lower Upper
 152 100
 115 57.1 40.5 121.5
 150 158.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 25.209 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031043.D
 Acq: 02 Sep 2022 00:26

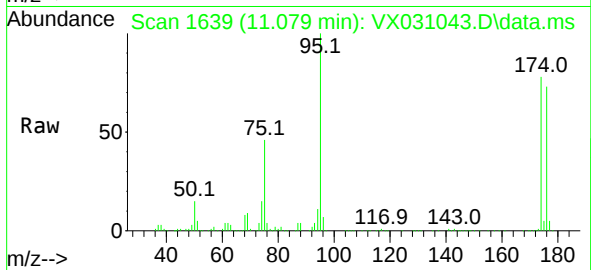
Tgt Ion: 75 Resp: 86088
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.226 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.055 min
 Lab File: VX031043.D
 Acq: 02 Sep 2022 00:26

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20220821



Tgt Ion: 75 Resp: 86088
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.8 52.2#

