

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027542.D
 Acq On : 18 Mar 2022 20:50
 Operator : JC/MD
 Sample : N1998-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 03:10:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

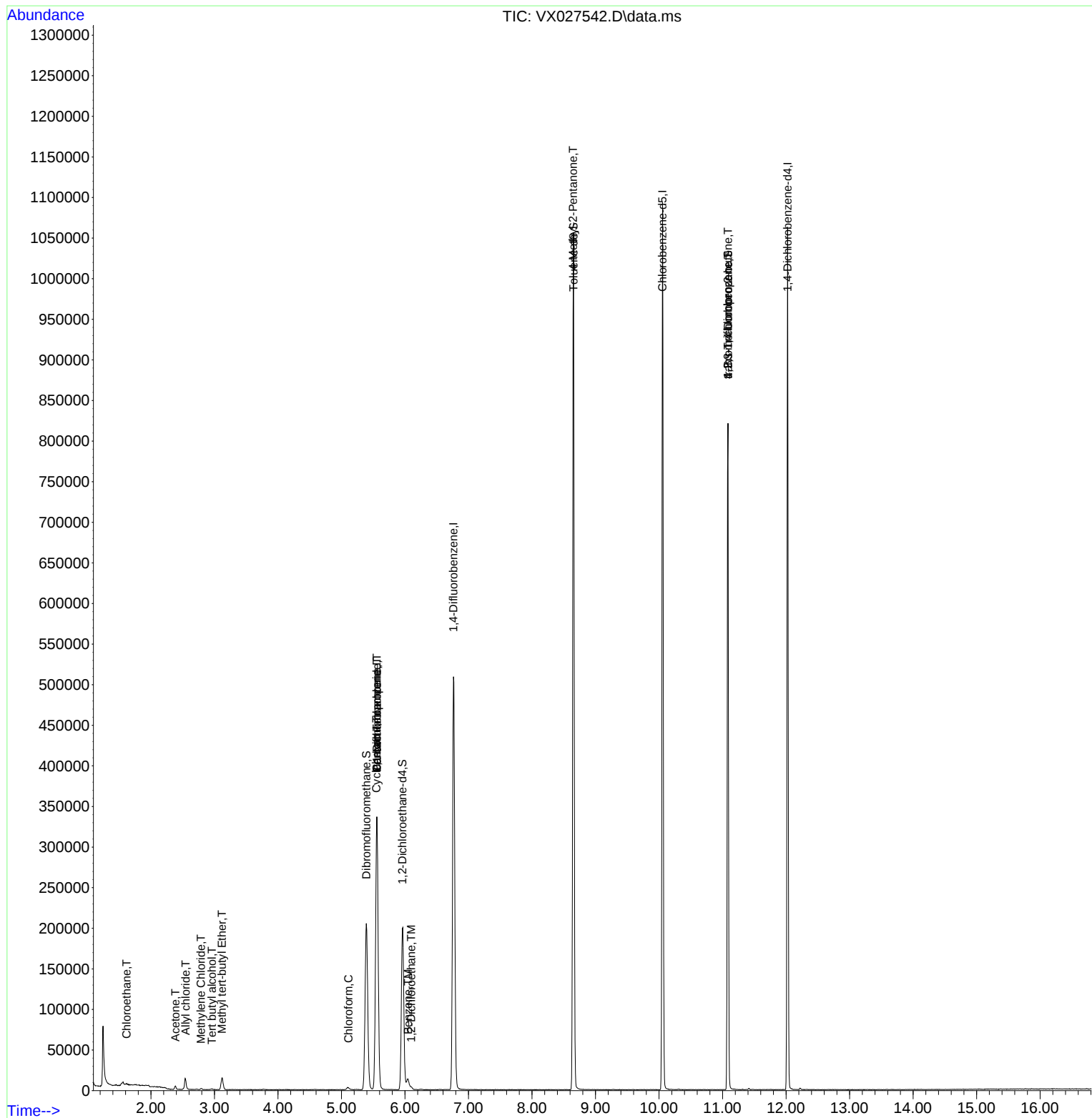
Internal Standards						
1) Pentafluorobenzene	5.556	168	329864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	549873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	503783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199993	49.216	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.440%
35) Dibromofluoromethane	5.391	113	182504	51.587	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.180%
50) Toluene-d8	8.653	98	642784	48.014	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.020%
62) 4-Bromofluorobenzene	11.085	95	228190	46.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.740%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	547	Below Cal		82
6) Chloroethane	1.618	64	2337	1.173	ug/l #	58
11) Tert butyl alcohol	2.959	59	1006	1.299	ug/l #	72
14) Allyl chloride	2.544	41	1559	0.325	ug/l #	63
16) Acetone	2.386	43	4495	2.714	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	15939	1.542	ug/l	100
20) Methylene Chloride	2.788	84	746	0.209	ug/l #	71
30) Chloroform	5.111	83	3654	0.582	ug/l #	79
31) Cyclohexane	5.550	56	5879	1.165	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	22732	4.702	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32317	5.843	ug/l #	17
40) Benzene	6.050	78	15921	1.148	ug/l	98
42) 1,2-Dichloroethane	6.098	62	3847	0.740	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	2294	0.464	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	110578	24.160	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	110578	73.374	ug/l #	15

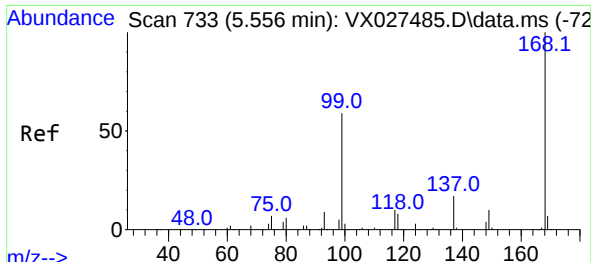
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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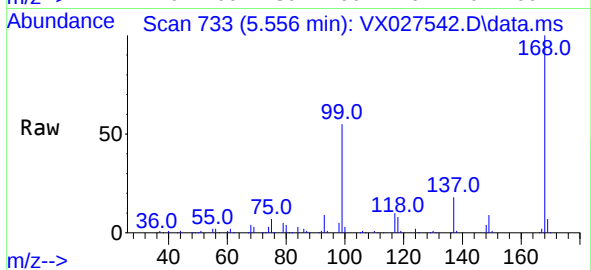
Quant Time: Mar 19 03:10:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
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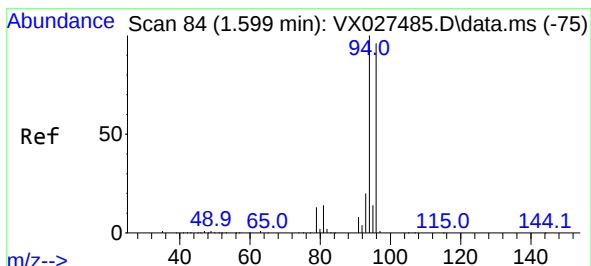
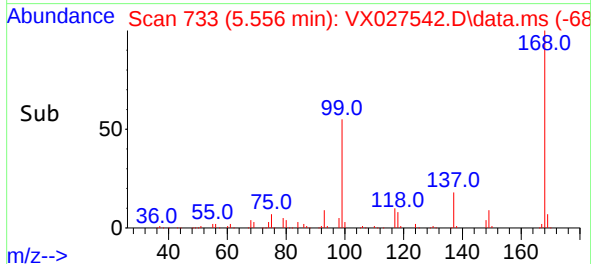
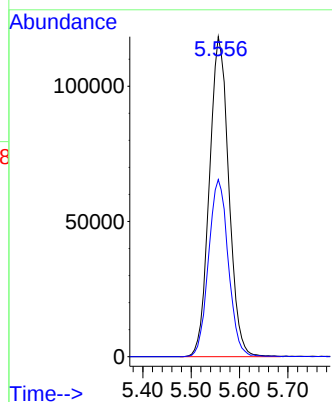


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Instrument :
MSVOA_X
ClientSampleId :

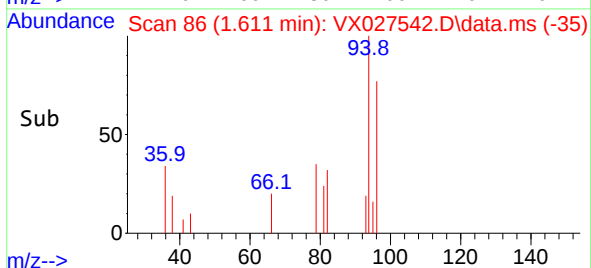
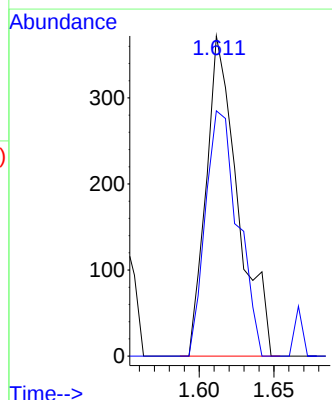
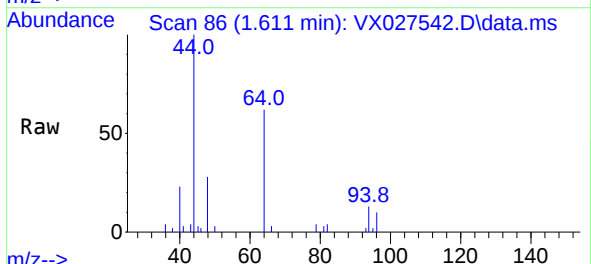


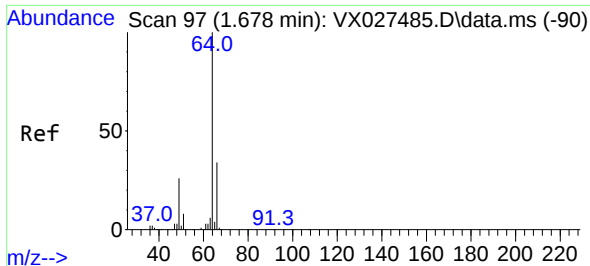
Tgt Ion:168 Resp: 329864
Ion Ratio Lower Upper
168 100
99 55.4 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Tgt Ion: 94 Resp: 547
Ion Ratio Lower Upper
94 100
96 76.6 75.3 112.9

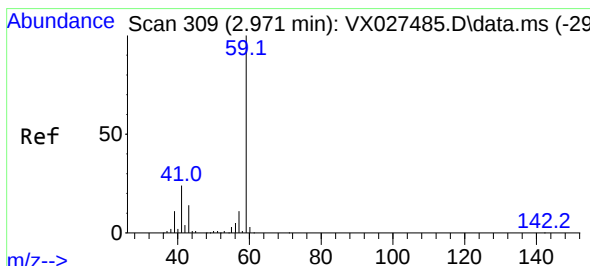
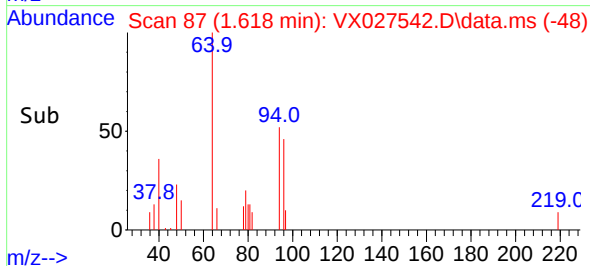
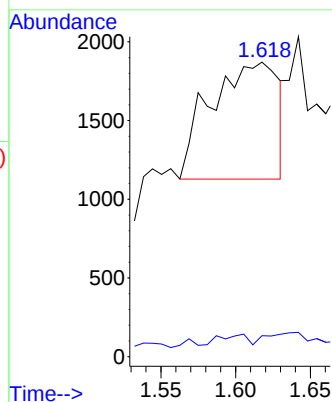
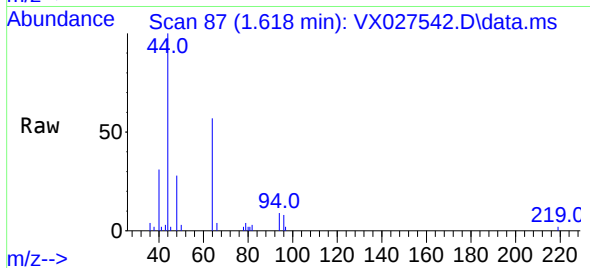




#6
Chloroethane
Concen: 1.173 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.061 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

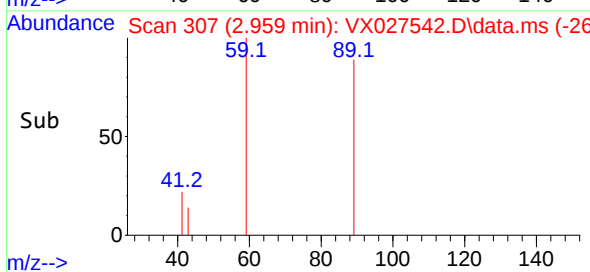
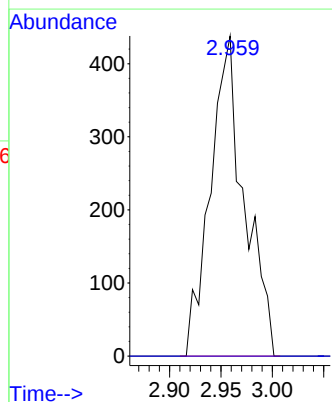
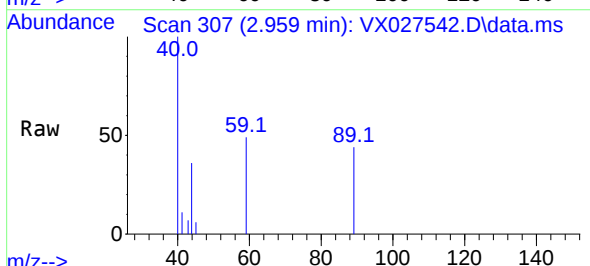
Instrument :
MSVOA_X
ClientSampleId :

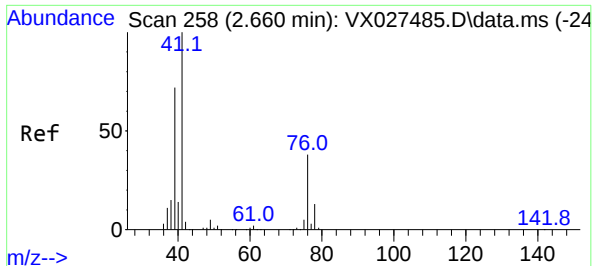
Tgt Ion: 64 Resp: 2337
Ion Ratio Lower Upper
64 100
66 8.2 25.3 37.9#



#11
Tert butyl alcohol
Concen: 1.299 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Tgt Ion: 59 Resp: 1006
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.325 ug/l

RT: 2.544 min Scan# 21

Delta R.T. -0.116 min

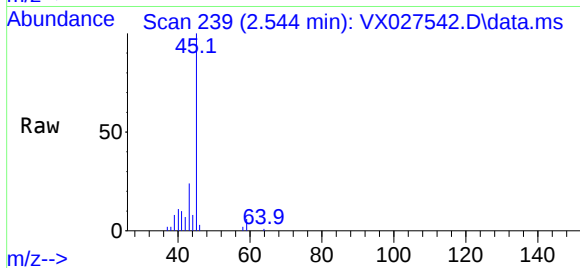
Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

Instrument :

MSVOA_X

ClientSampleId :



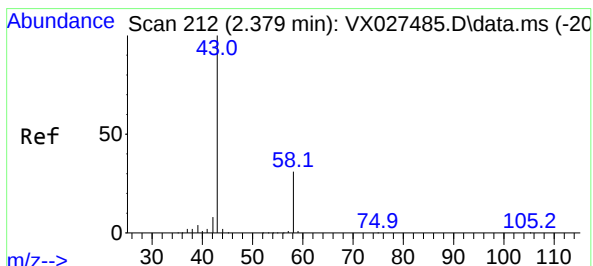
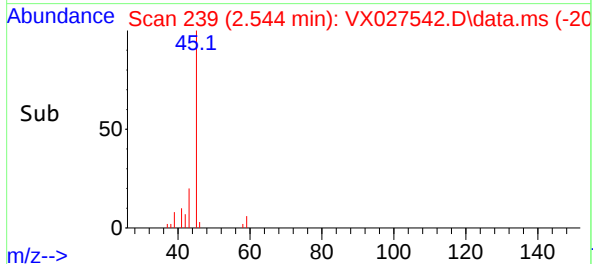
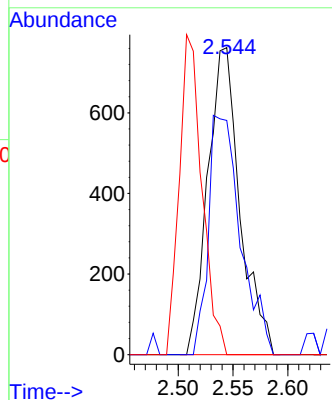
Tgt Ion: 41 Resp: 1559

Ion Ratio Lower Upper

41 100

39 77.6 50.4 75.6#

76 0.0 32.7 49.1#



#16

Acetone

Concen: 2.714 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027542.D

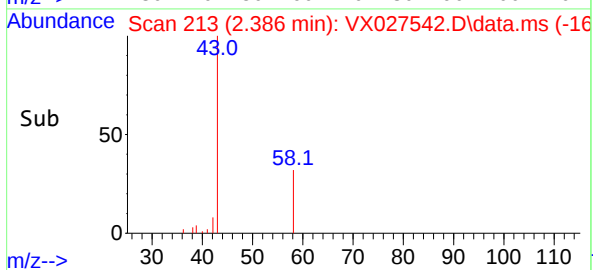
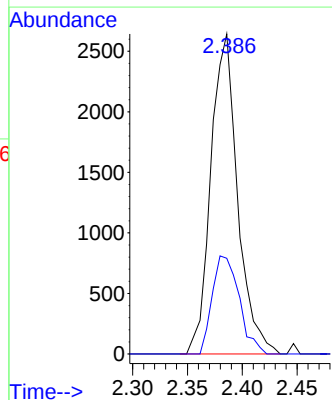
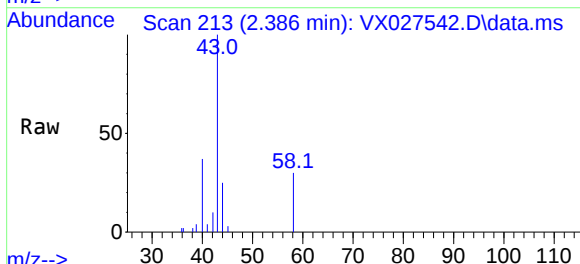
Acq: 18 Mar 2022 20:50

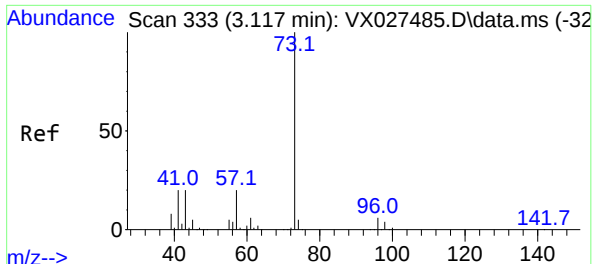
Tgt Ion: 43 Resp: 4495

Ion Ratio Lower Upper

43 100

58 29.9 28.8 43.2





#19

Methyl tert-butyl Ether

Concen: 1.542 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

Instrument :

MSVOA_X

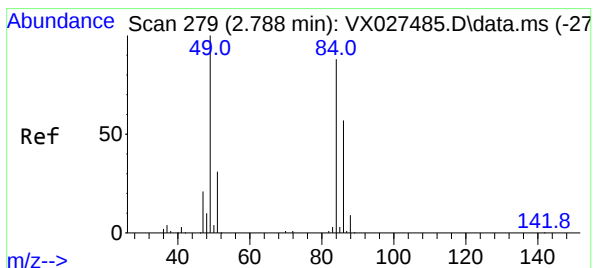
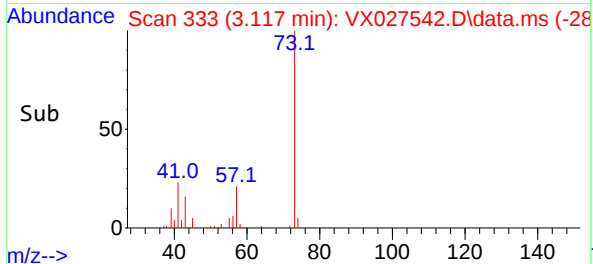
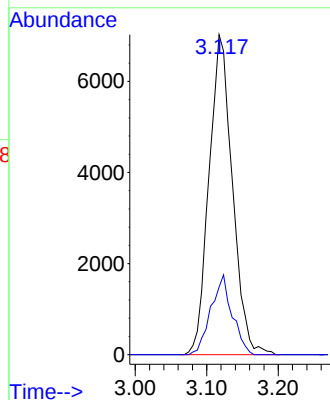
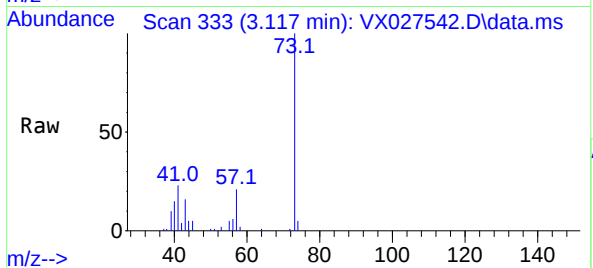
ClientSampleId :

Tgt Ion: 73 Resp: 15939

Ion Ratio Lower Upper

73 100

57 21.1 16.8 25.2



#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

Tgt Ion: 84 Resp: 746

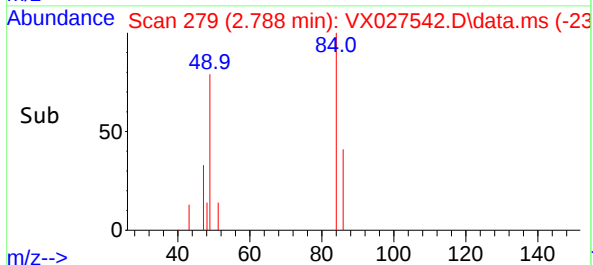
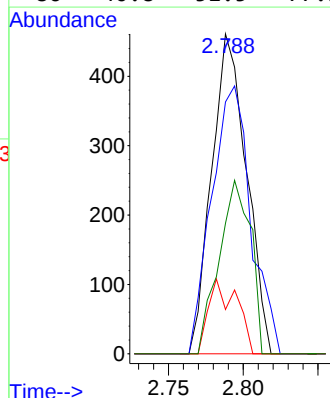
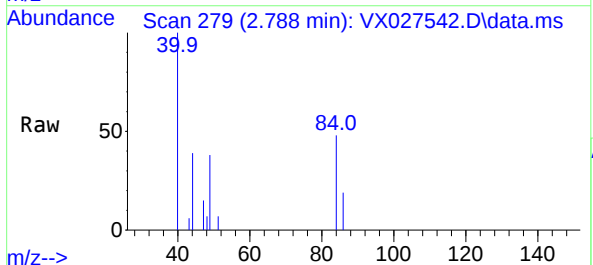
Ion Ratio Lower Upper

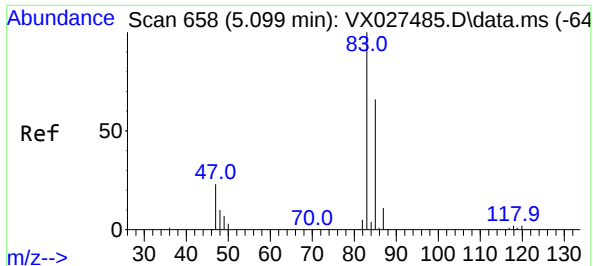
84 100

49 78.7 85.5 128.3#

51 13.9 26.6 39.8#

86 40.8 51.5 77.3#





#30

Chloroform

Concen: 0.582 ug/l

RT: 5.111 min Scan# 60

Delta R.T. 0.012 min

Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

Instrument :

MSVOA_X

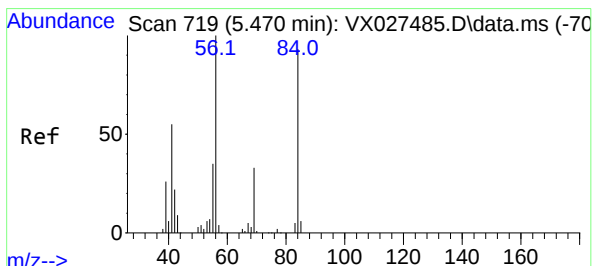
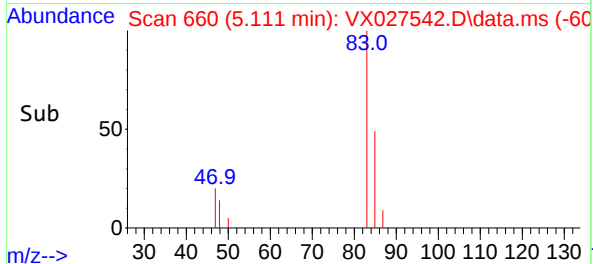
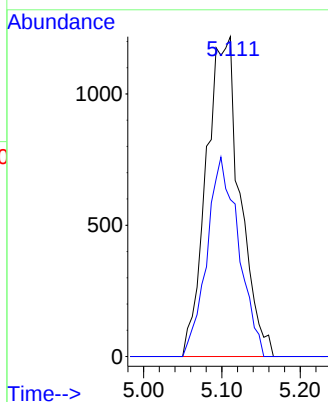
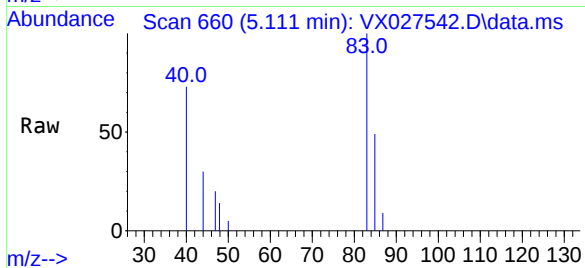
ClientSampleId :

Tgt Ion: 83 Resp: 3654

Ion Ratio Lower Upper

83 100

85 49.1 52.7 79.1#



#31

Cyclohexane

Concen: 1.165 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

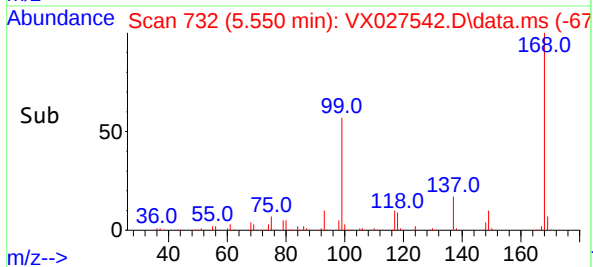
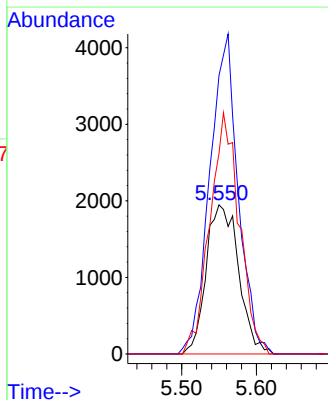
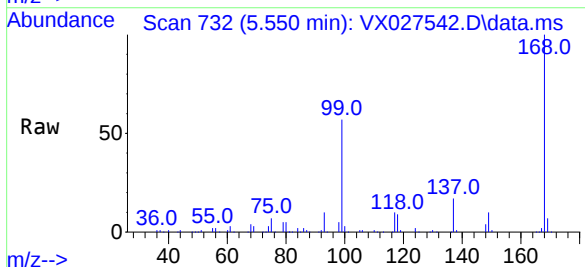
Tgt Ion: 56 Resp: 5879

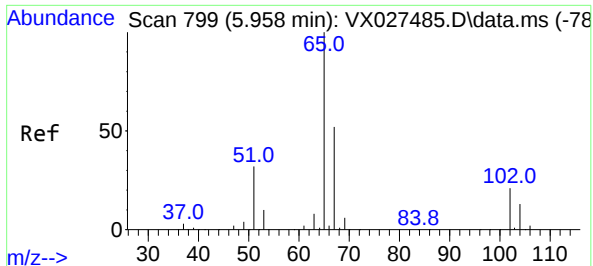
Ion Ratio Lower Upper

56 100

69 186.8 26.7 40.1#

84 134.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 49.216 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

Instrument :

MSVOA_X

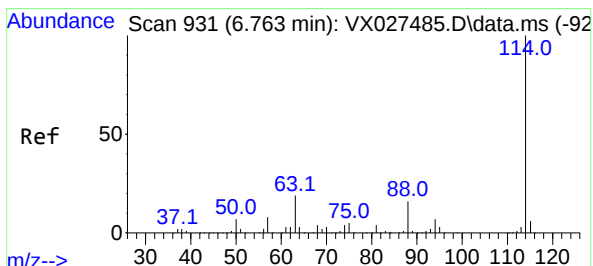
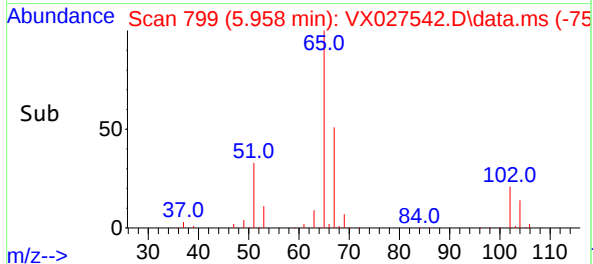
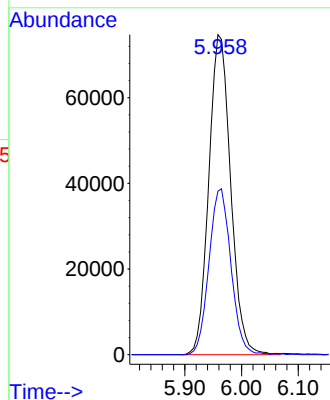
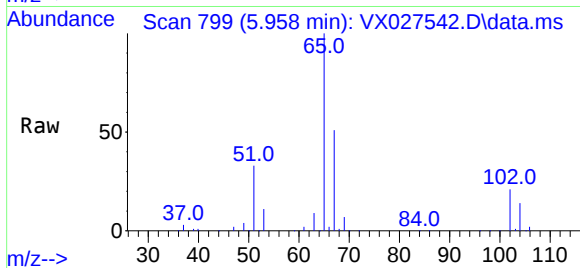
ClientSampleId :

Tgt Ion: 65 Resp: 199993

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

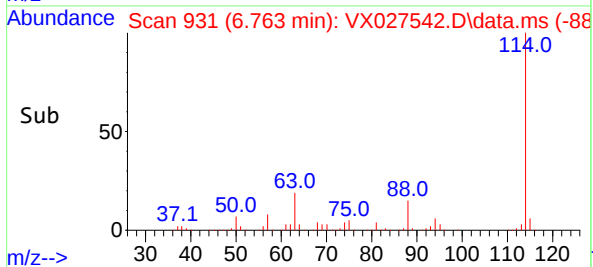
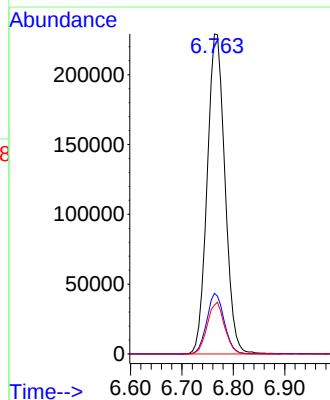
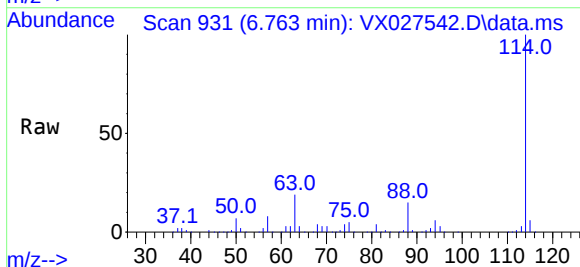
Tgt Ion: 114 Resp: 549873

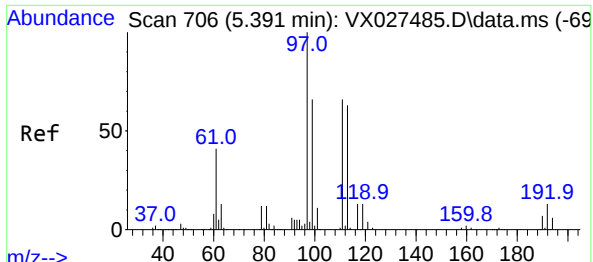
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

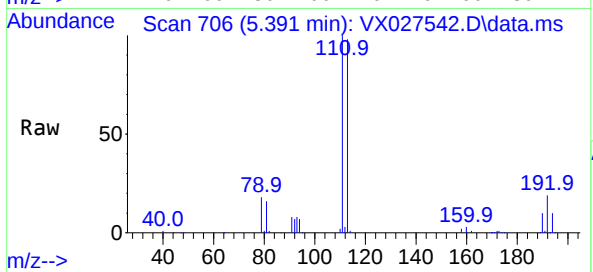
88 15.3 0.0 32.4



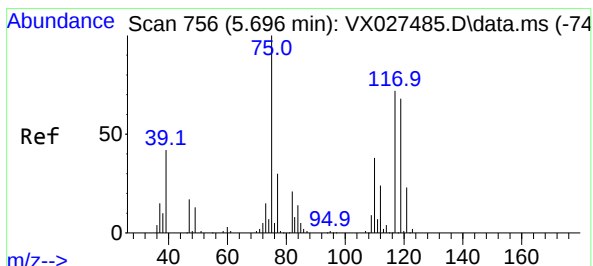
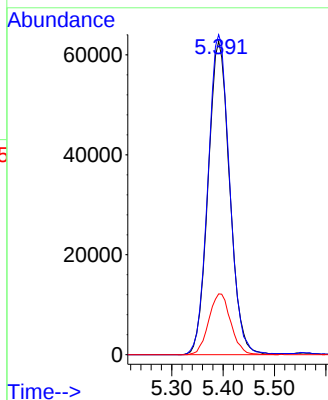
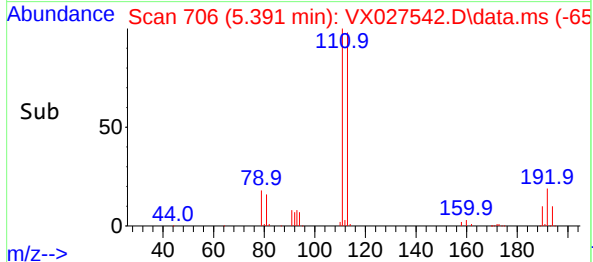


#35
Dibromofluoromethane
Concen: 51.587 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Instrument :
MSVOA_X
ClientSampleId :

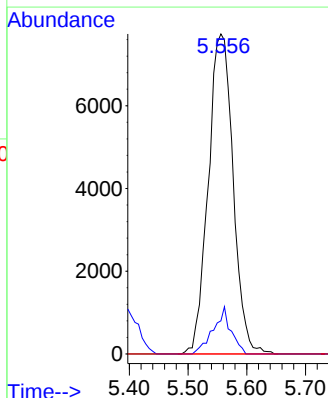
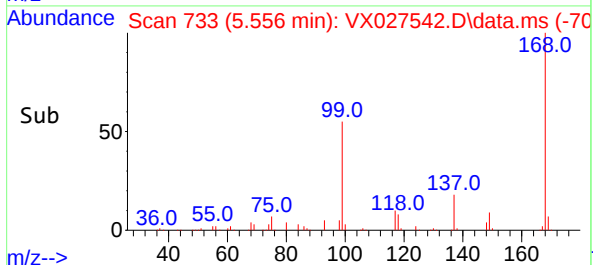
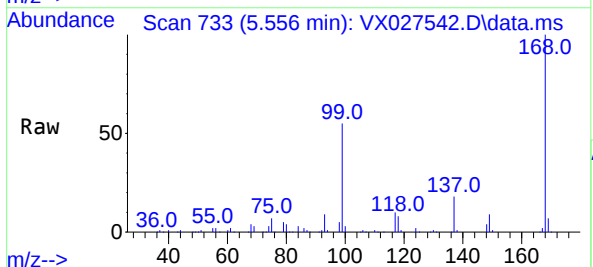


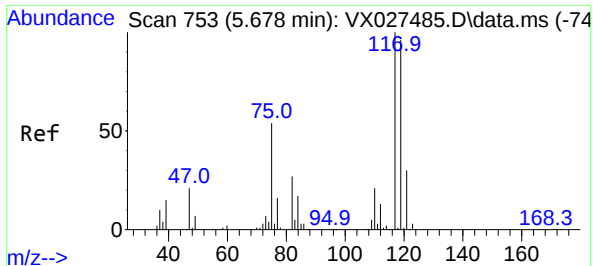
Tgt Ion:113 Resp: 182504
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.702 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

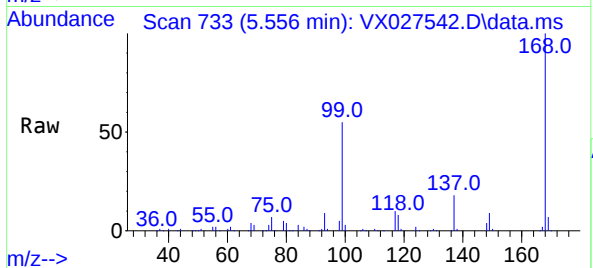
Tgt Ion: 75 Resp: 22732
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#



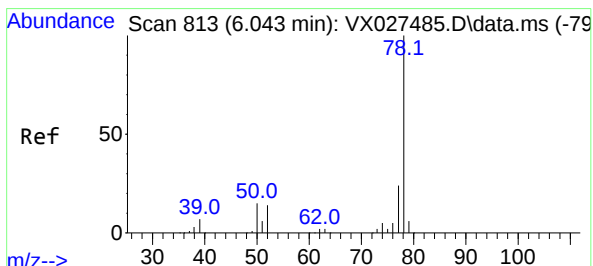
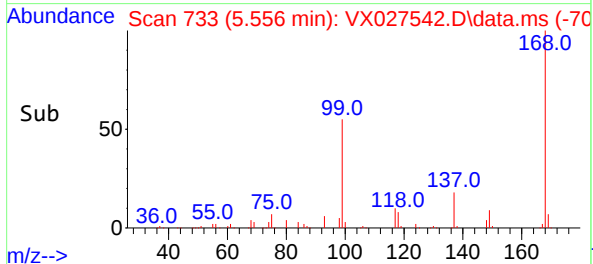
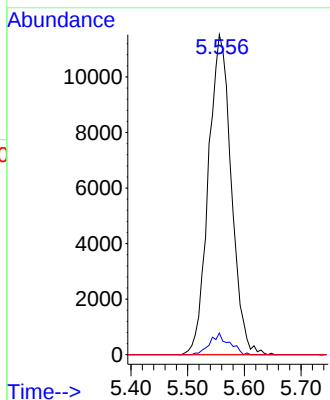


#38
Carbon Tetrachloride
Concen: 5.843 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Instrument :
MSVOA_X
ClientSampleId :

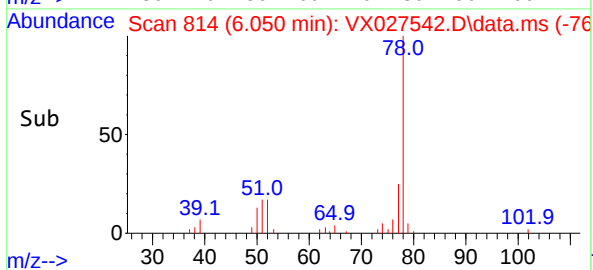
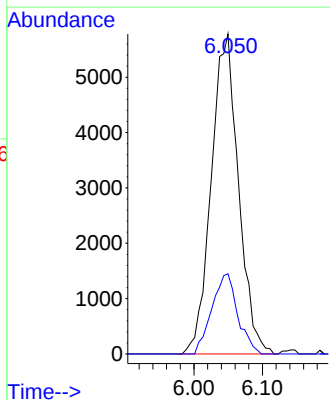
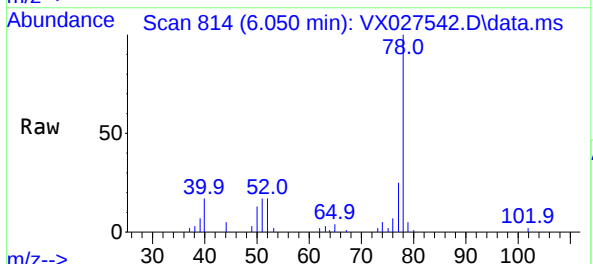


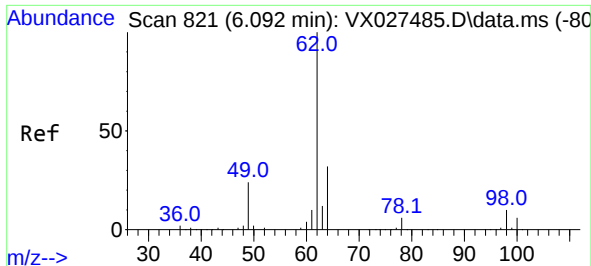
Tgt Ion:117 Resp: 32317
Ion Ratio Lower Upper
117 100
119 6.8 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 1.148 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Tgt Ion: 78 Resp: 15921
Ion Ratio Lower Upper
78 100
77 25.1 19.3 28.9

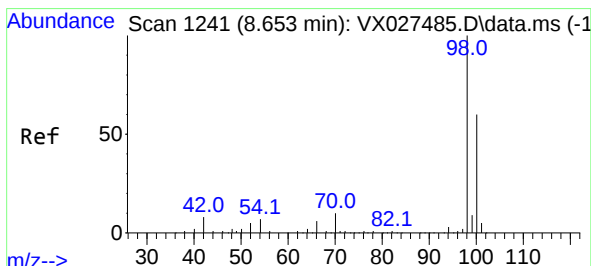
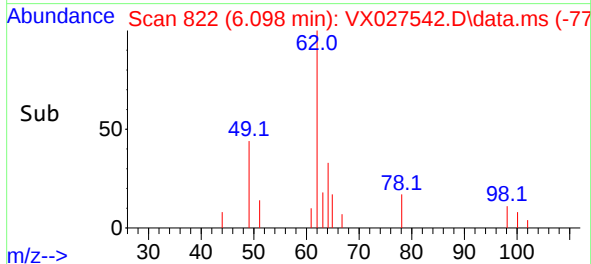
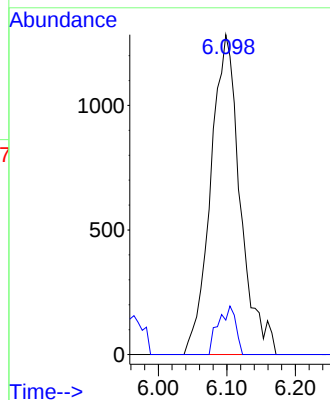
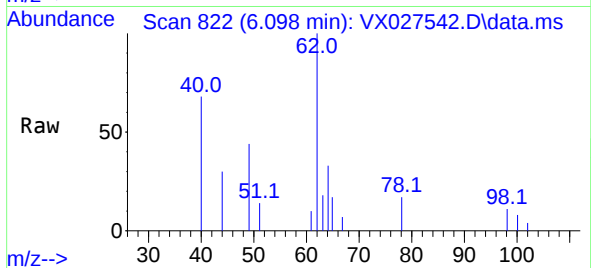




#42
1,2-Dichloroethane
Concen: 0.740 ug/l
RT: 6.098 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

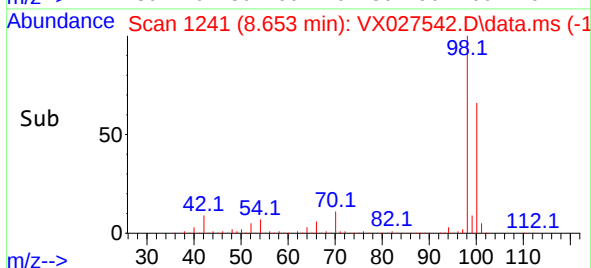
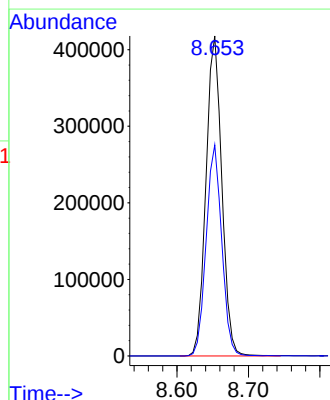
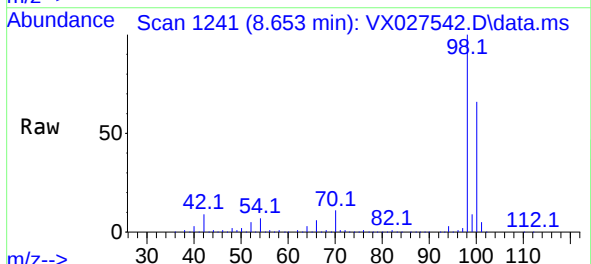
Instrument :
MSVOA_X
ClientSampleId :

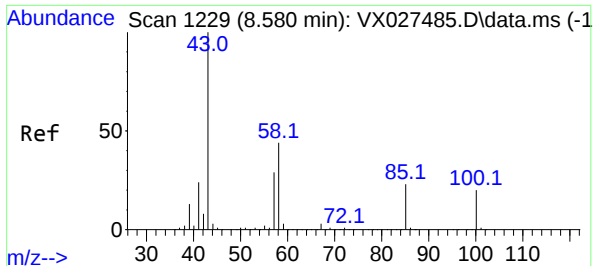
Tgt Ion: 62 Resp: 3847
Ion Ratio Lower Upper
62 100
98 8.9 0.0 20.4



#50
Toluene-d8
Concen: 48.014 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Tgt Ion: 98 Resp: 642784
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.464 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

Instrument :

MSVOA_X

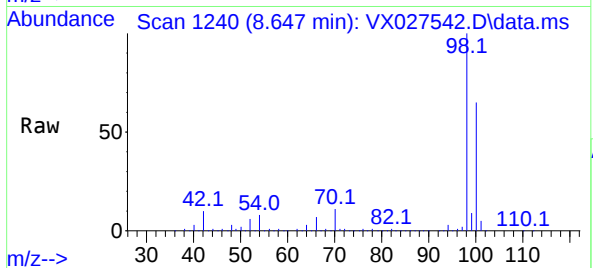
ClientSampleId :

Tgt Ion: 43 Resp: 2294

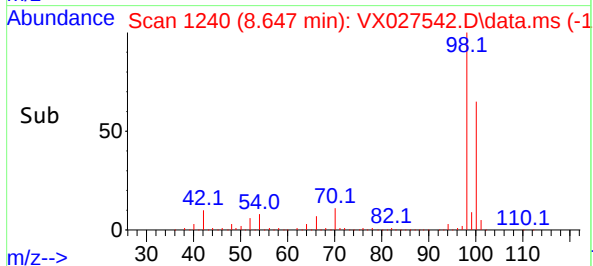
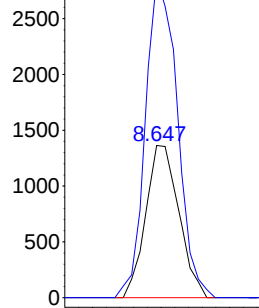
Ion Ratio Lower Upper

43 100

58 201.1 36.1 54.1#



Abundance



#62

4-Bromofluorobenzene

Concen: 46.374 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027542.D

Acq: 18 Mar 2022 20:50

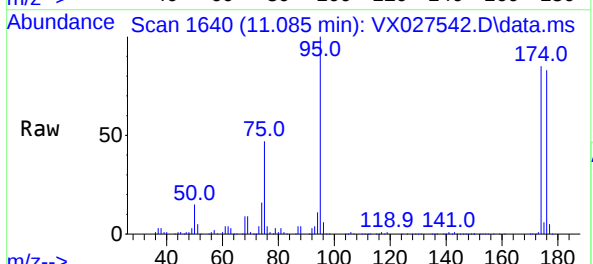
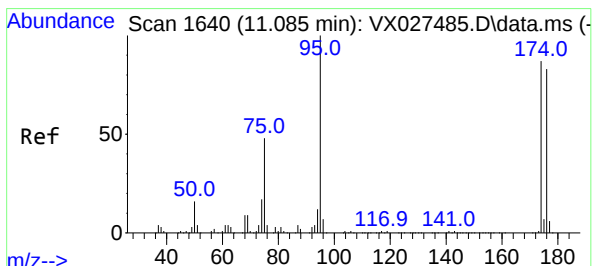
Tgt Ion: 95 Resp: 228190

Ion Ratio Lower Upper

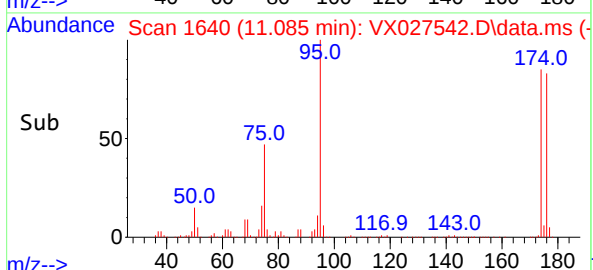
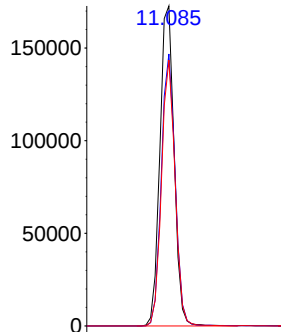
95 100

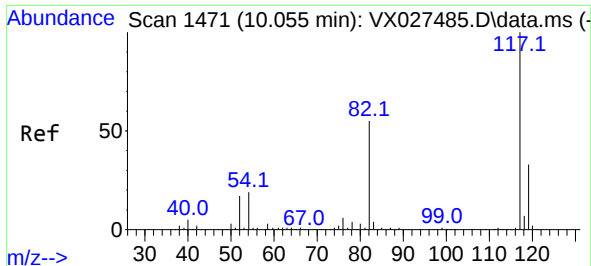
174 82.3 0.0 163.0

176 79.3 0.0 155.0



Abundance

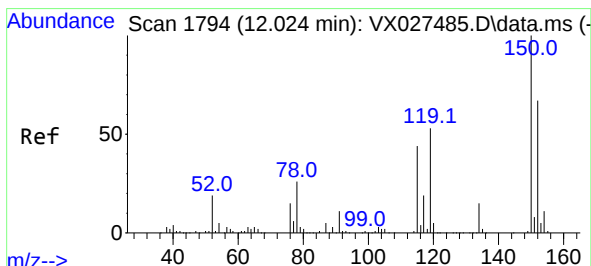
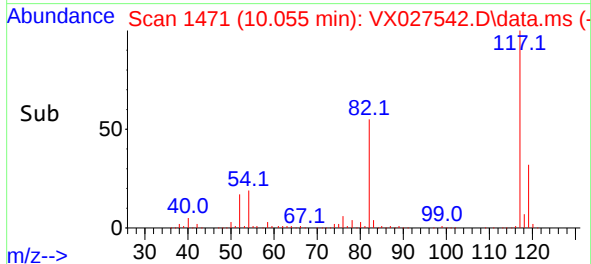
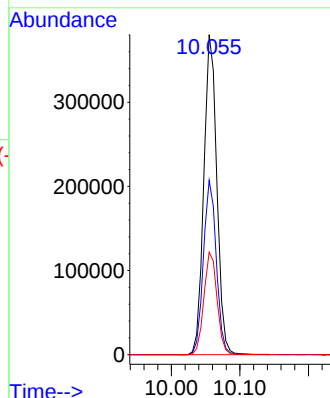
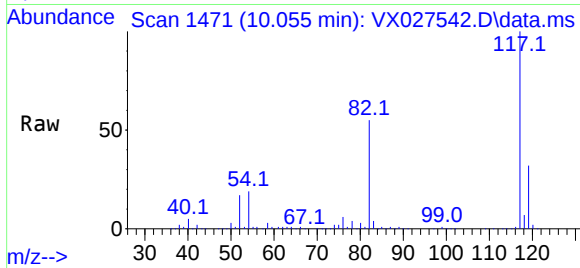




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

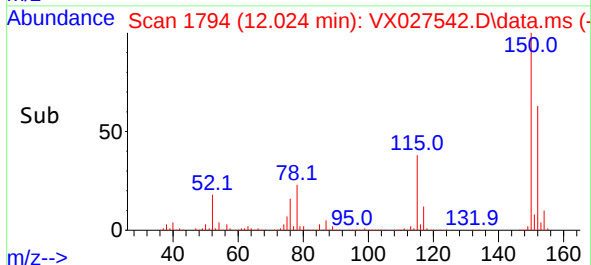
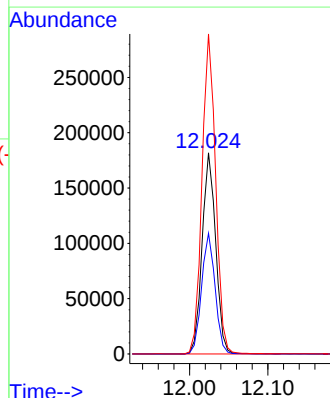
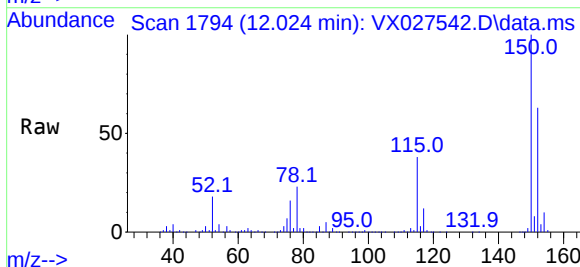
Instrument :
MSVOA_X
ClientSampleId :

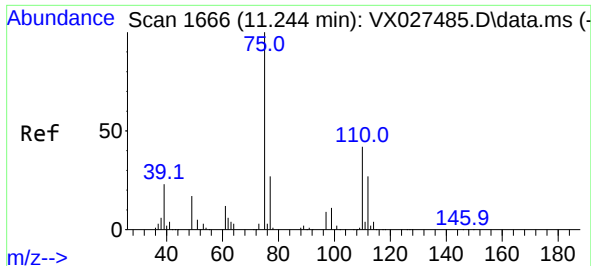
Tgt Ion:117 Resp: 503783
Ion Ratio Lower Upper
117 100
82 54.5 41.8 62.8
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Tgt Ion:152 Resp: 218819
Ion Ratio Lower Upper
152 100
115 59.8 37.5 112.7
150 159.7 0.0 338.2

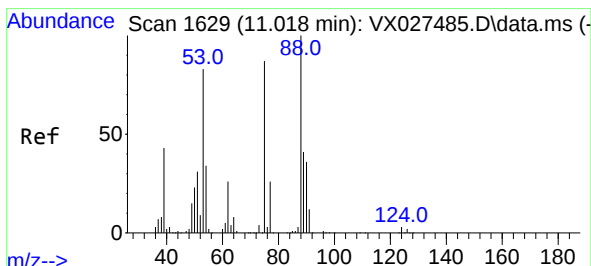
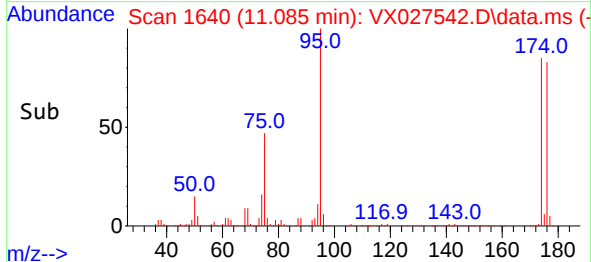
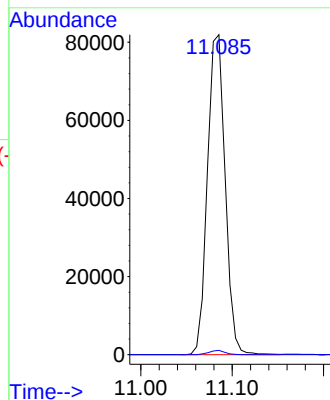
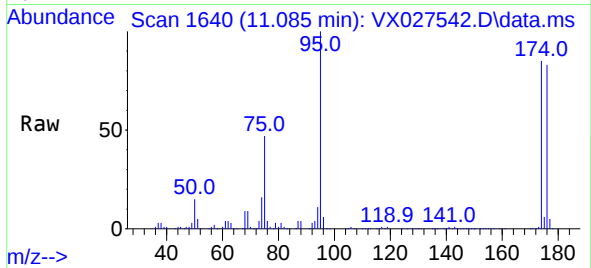




#76
1,2,3-Trichloropropane
Concen: 24.160 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 110578
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.374 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027542.D
Acq: 18 Mar 2022 20:50

Tgt Ion: 75 Resp: 110578
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

