

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022822\
 Data File : VX027235.D
 Acq On : 28 Feb 2022 21:07
 Operator : JC/MD
 Sample : N1688-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 01 00:47:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

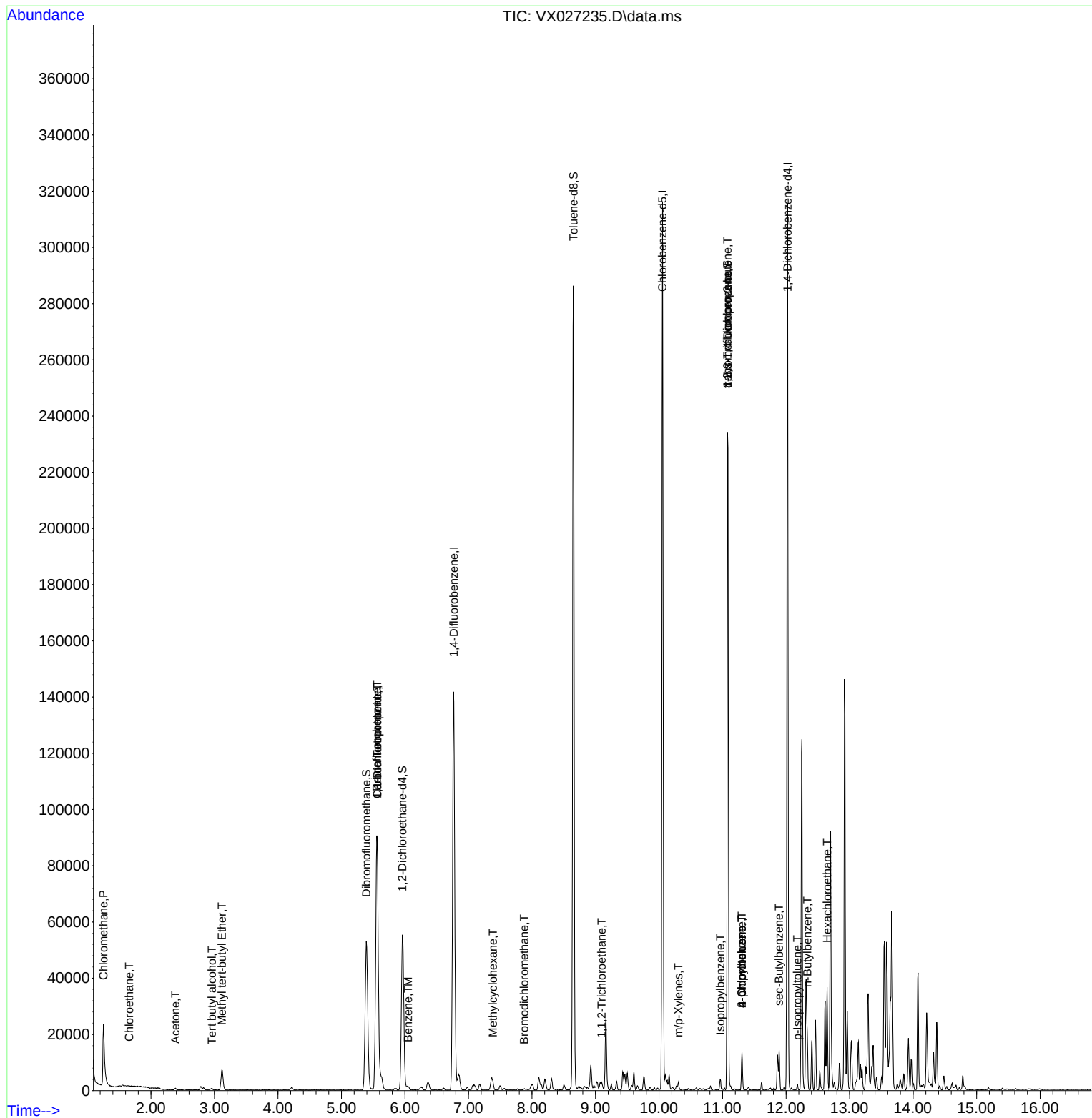
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	89035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	148705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	53974	50.475	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.960%
35) Dibromofluoromethane	5.391	113	46657	50.547	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.100%
50) Toluene-d8	8.653	98	172630	50.018	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.040%
62) 4-Bromofluorobenzene	11.079	95	66731	50.370	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.740%
Target Compounds						Qvalue
3) Chloromethane	1.252	50	528	0.638	ug/l #	42
5) Bromomethane	1.624	94	50	Below Cal	#	78
6) Chloroethane	1.654	64	322	0.636	ug/l #	43
11) Tert butyl alcohol	2.959	59	666	3.201	ug/l #	75
16) Acetone	2.386	43	739	1.574	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	7421	2.495	ug/l #	81
36) 1,1-Dichloropropene	5.562	75	6390	4.743	ug/l #	51
38) Carbon Tetrachloride	5.562	117	8626	6.140	ug/l #	16
39) Methylcyclohexane	7.385	83	1318	0.787	ug/l	85
40) Benzene	6.050	78	1731	0.439	ug/l #	89
47) Bromodichloromethane	7.879	83	389	0.288	ug/l #	25
55) 1,1,2-Trichloroethane	9.098	97	808	0.809	ug/l #	15
68) m/p-Xylenes	10.305	106	444	0.234	ug/l	83
73) Isopropylbenzene	10.963	105	2023	0.436	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	32047	24.524	ug/l #	40
78) n-propylbenzene	11.305	91	8165	1.547	ug/l	99
79) 2-Chlorotoluene	11.305	91	8165	2.525	ug/l #	42
81) trans-1,4-Dichloro-2-b...	11.079	75	32047	69.550	ug/l #	3
82) 4-Chlorotoluene	11.305	91	8165	2.211	ug/l #	46
85) sec-Butylbenzene	11.890	105	7513	1.579	ug/l	90
86) p-Isopropyltoluene	12.177	119	1110	0.274	ug/l #	50
89) n-Butylbenzene	12.335	91	12045	3.552	ug/l #	66
90) Hexachloroethane	12.646	117	13858	22.049	ug/l #	14

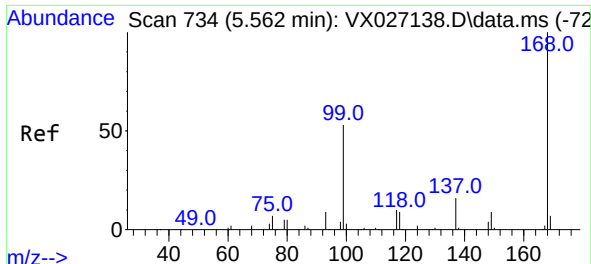
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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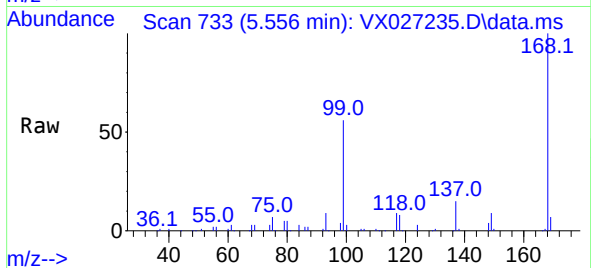
Quant Time: Mar 01 00:47:08 2022
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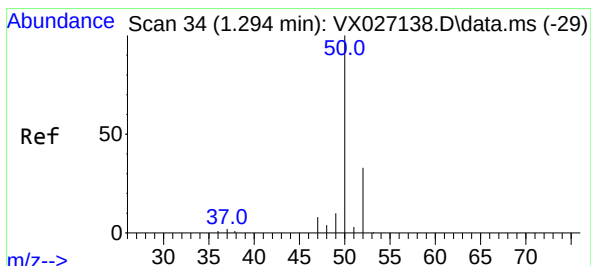
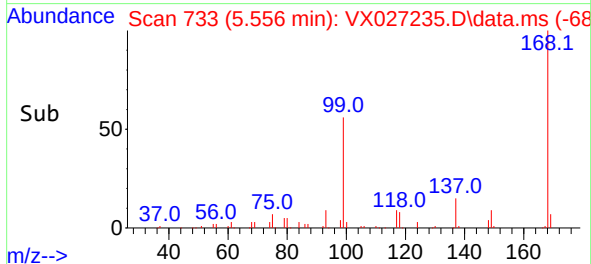
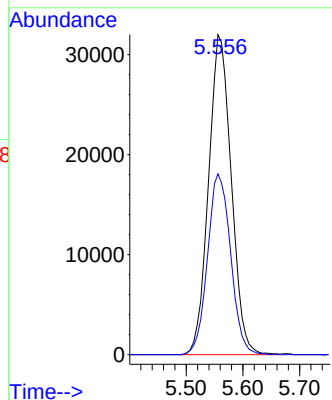


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Instrument :
MSVOA_X
ClientSampleId :

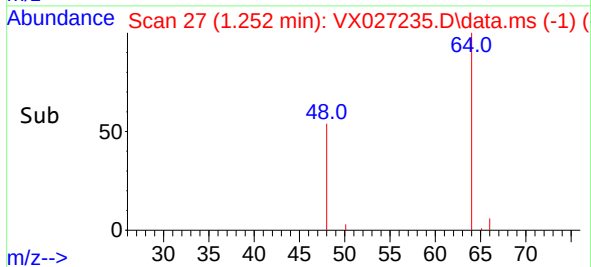
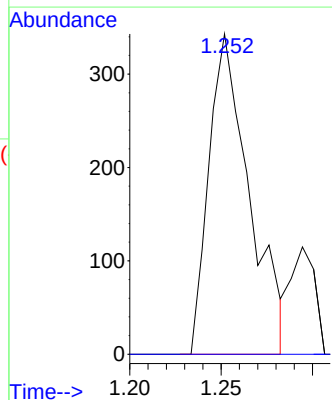
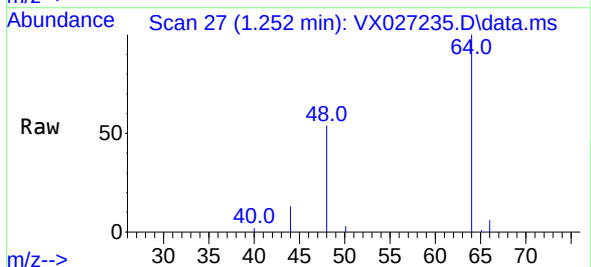


Tgt Ion:168 Resp: 89035
Ion Ratio Lower Upper
168 100
99 56.5 50.3 75.5

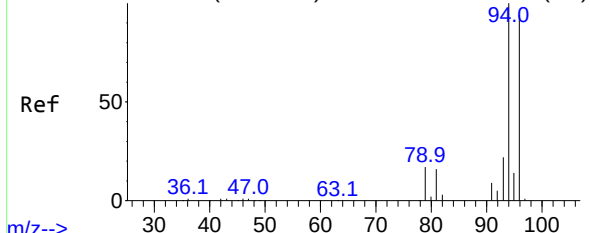


#3
Chloromethane
Concen: 0.638 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Tgt Ion: 50 Resp: 528
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#



Abundance Scan 84 (1.599 min): VX027138.D\data.ms (-80)



#5

Bromomethane

Concen: Below Cal

RT: 1.624 min Scan# 84

Delta R.T. 0.025 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

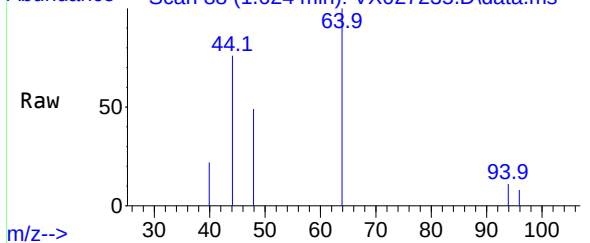
Tgt Ion: 94 Resp: 50

Ion Ratio Lower Upper

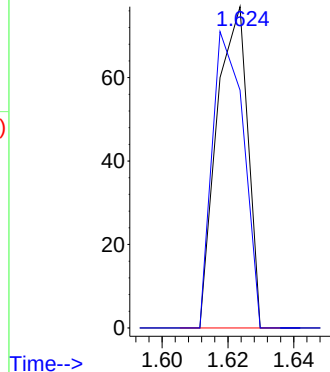
94 100

96 74.0 75.9 113.9#

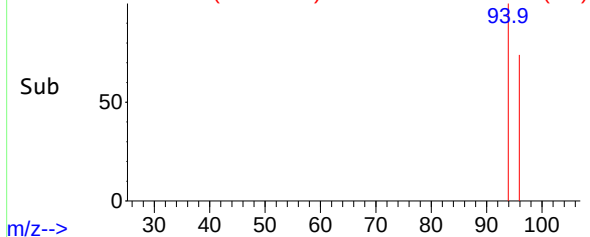
Abundance Scan 88 (1.624 min): VX027235.D\data.ms



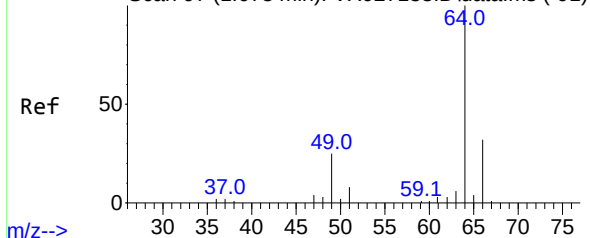
Abundance



Abundance Scan 88 (1.624 min): VX027235.D\data.ms (-35)



Abundance Scan 97 (1.678 min): VX027138.D\data.ms (-91)



#6

Chloroethane

Concen: 0.636 ug/l

RT: 1.654 min Scan# 93

Delta R.T. -0.024 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

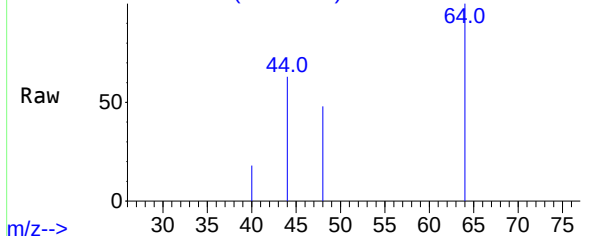
Tgt Ion: 64 Resp: 322

Ion Ratio Lower Upper

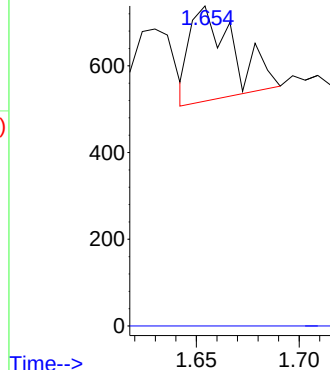
64 100

66 0.0 25.4 38.2#

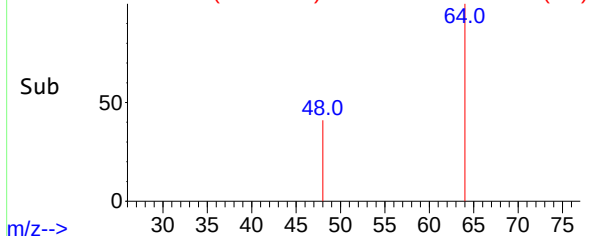
Abundance Scan 93 (1.654 min): VX027235.D\data.ms

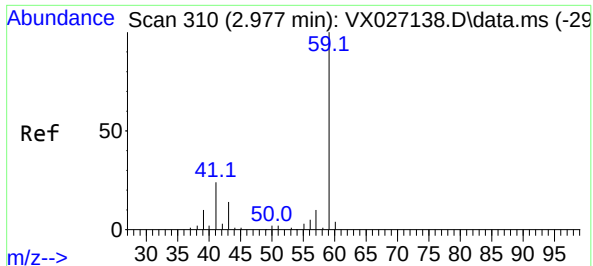


Abundance



Abundance Scan 93 (1.654 min): VX027235.D\data.ms (-48)





#11

Tert butyl alcohol

Concen: 3.201 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

Instrument :

MSVOA_X

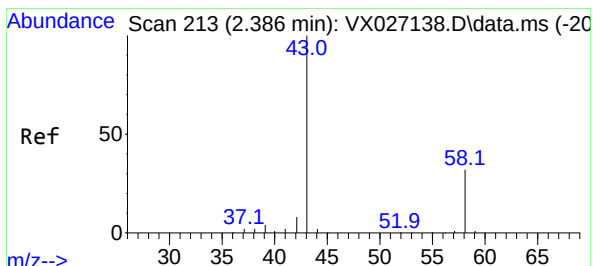
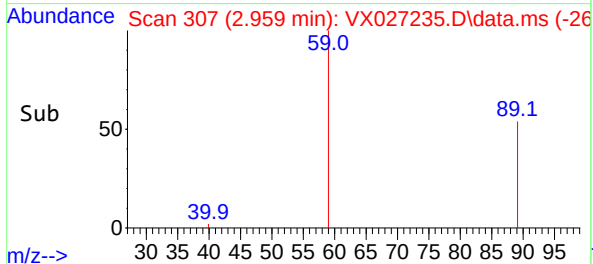
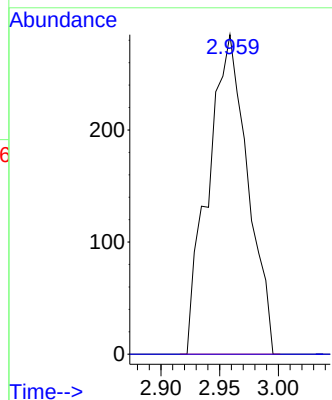
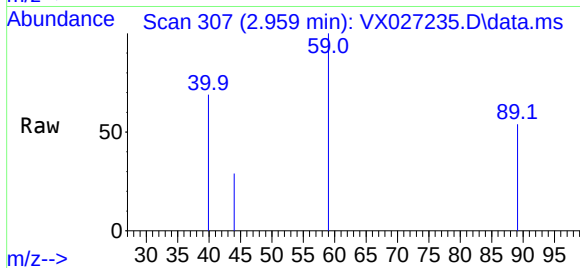
ClientSampleId :

Tgt Ion: 59 Resp: 666

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 1.574 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX027235.D

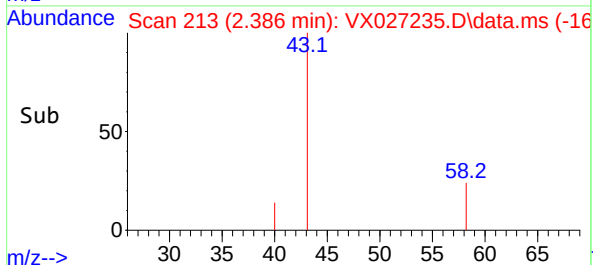
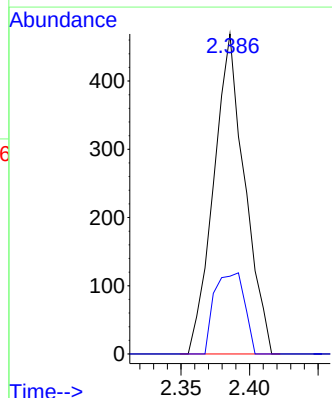
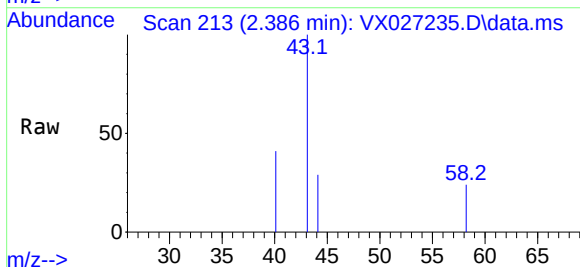
Acq: 28 Feb 2022 21:07

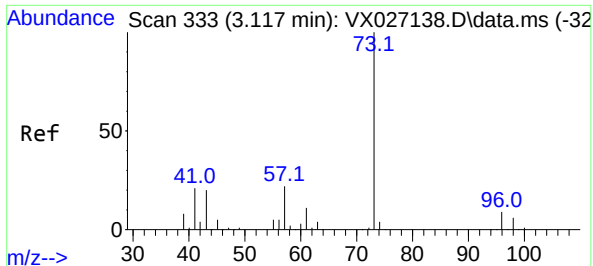
Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

58 24.3 23.0 34.6





#19

Methyl tert-butyl Ether

Concen: 2.495 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

Instrument :

MSVOA_X

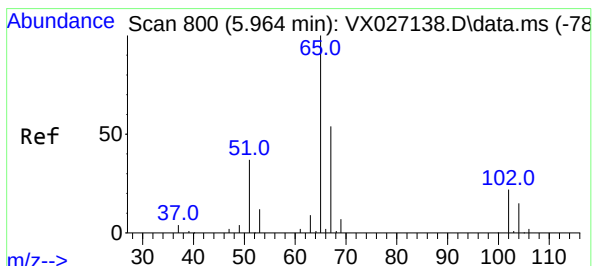
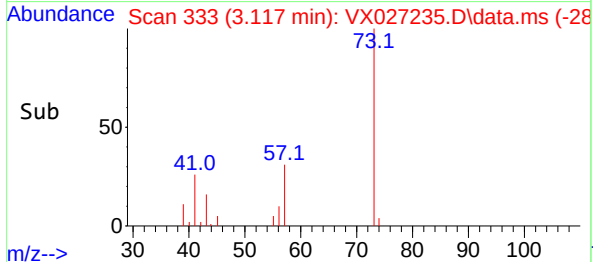
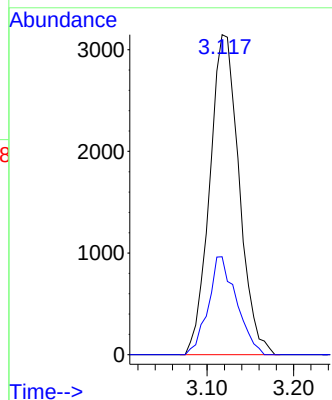
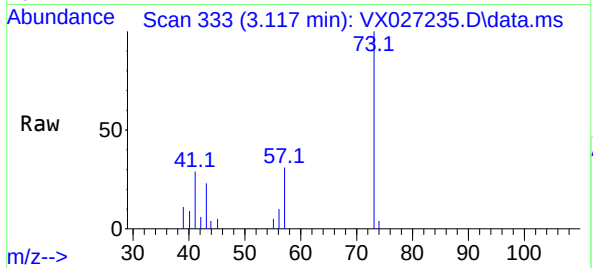
ClientSampleId :

Tgt Ion: 73 Resp: 7421

Ion Ratio Lower Upper

73 100

57 30.6 17.4 26.2#



#33

1,2-Dichloroethane-d4

Concen: 50.475 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027235.D

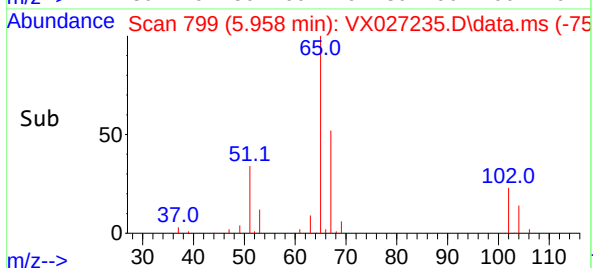
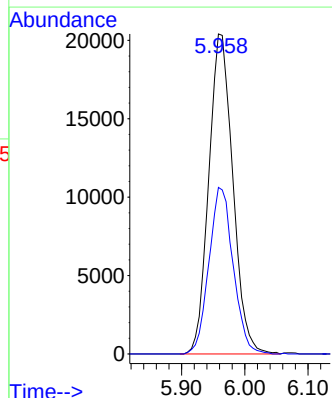
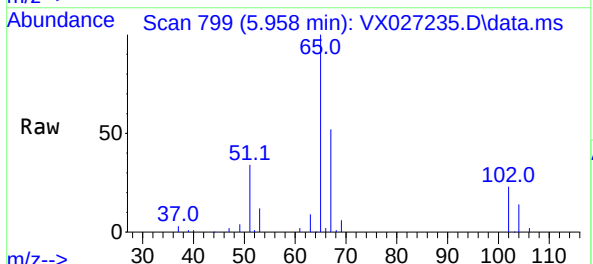
Acq: 28 Feb 2022 21:07

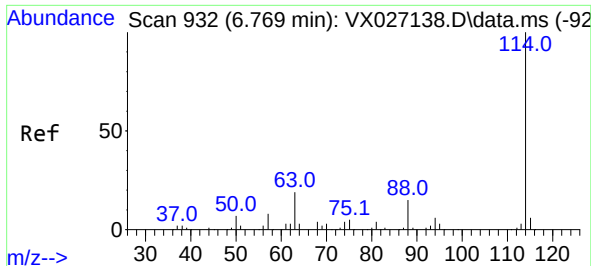
Tgt Ion: 65 Resp: 53974

Ion Ratio Lower Upper

65 100

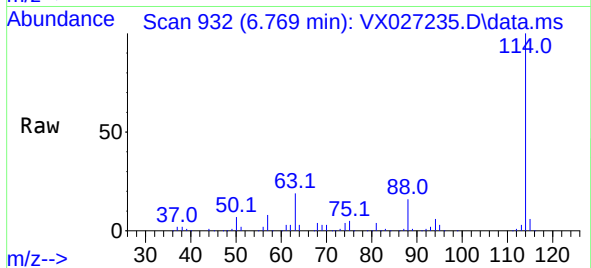
67 52.4 0.0 100.8



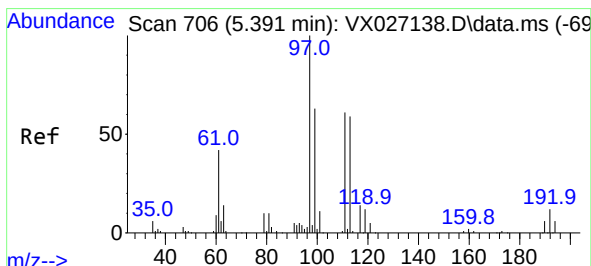
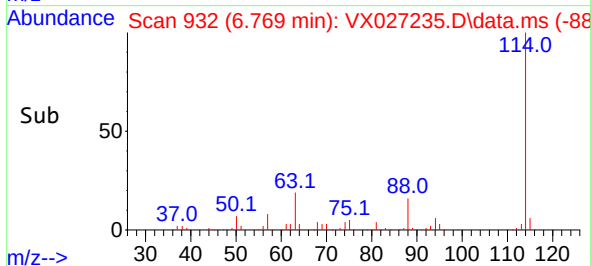
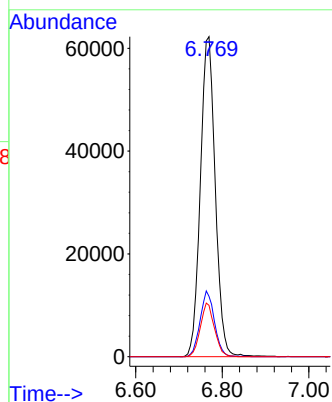


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Instrument :
MSVOA_X
ClientSampleId :

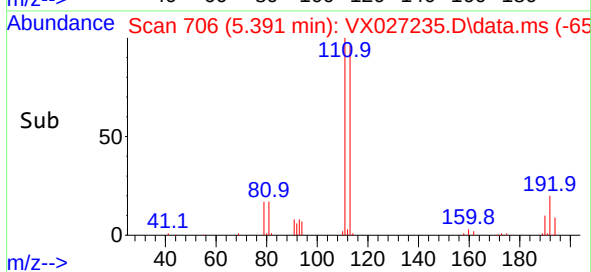
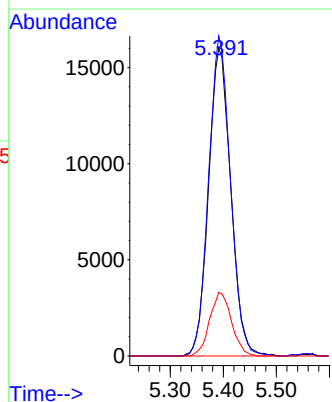
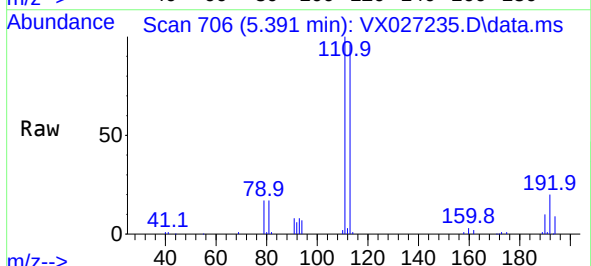


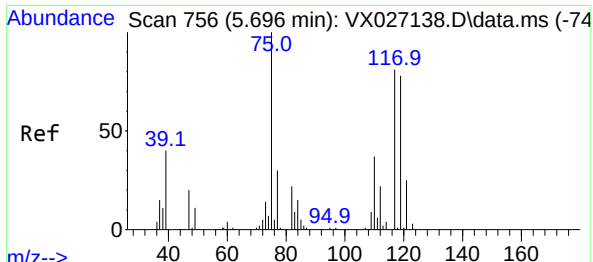
Tgt Ion:114 Resp: 148705
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.8
88 16.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.547 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

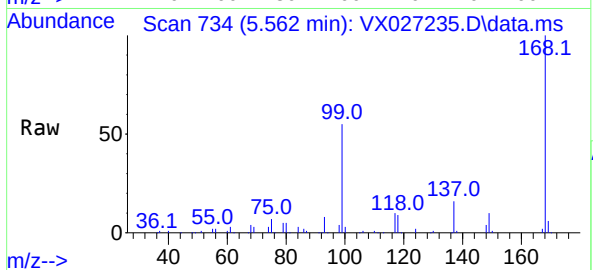
Tgt Ion:113 Resp: 46657
Ion Ratio Lower Upper
113 100
111 102.2 81.2 121.8
192 20.3 15.0 22.4



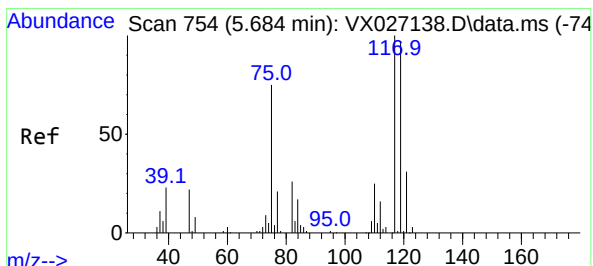
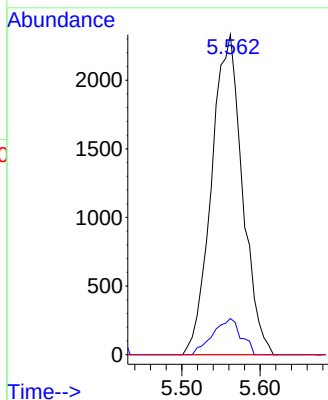
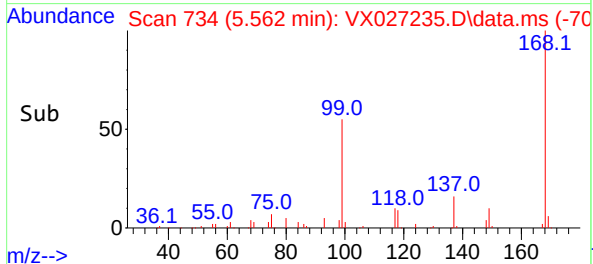


#36
1,1-Dichloropropene
Concen: 4.743 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Instrument :
MSVOA_X
ClientSampleId :

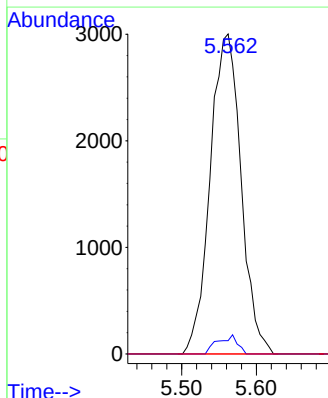
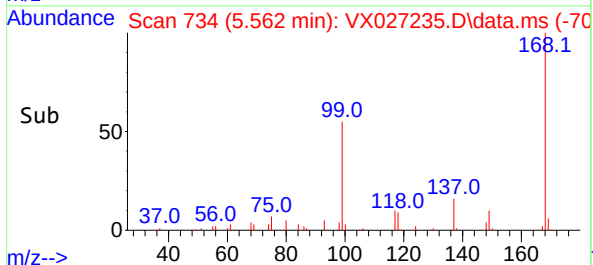
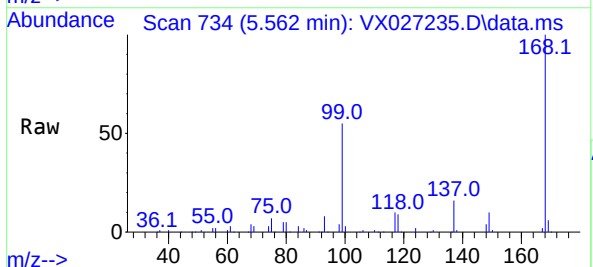


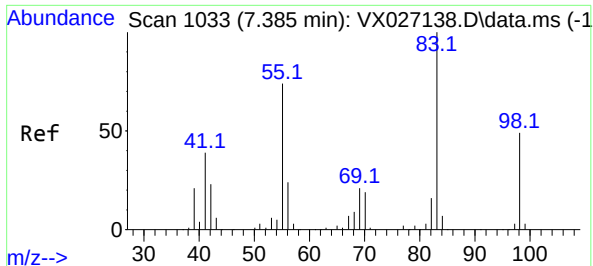
Tgt Ion: 75 Resp: 6390
Ion Ratio Lower Upper
75 100
110 10.3 17.2 51.6#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Tgt Ion: 117 Resp: 8626
Ion Ratio Lower Upper
117 100
119 4.2 74.7 112.1#
121 0.0 25.4 38.0#





#39

Methylcyclohexane

Concen: 0.787 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX027235.D

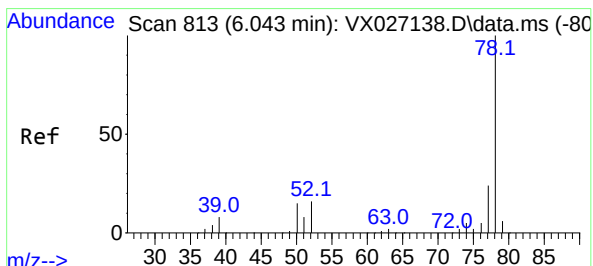
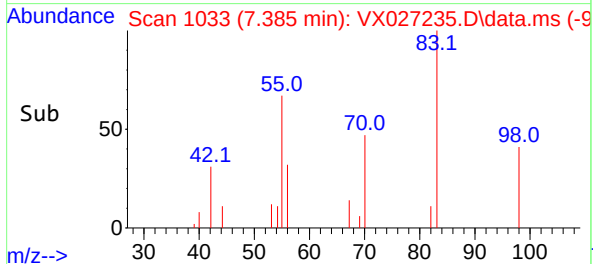
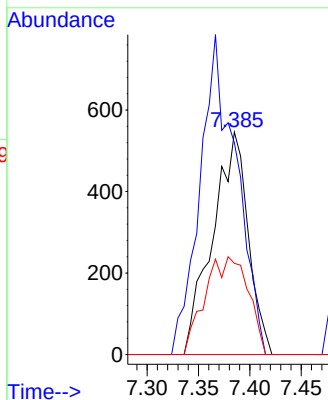
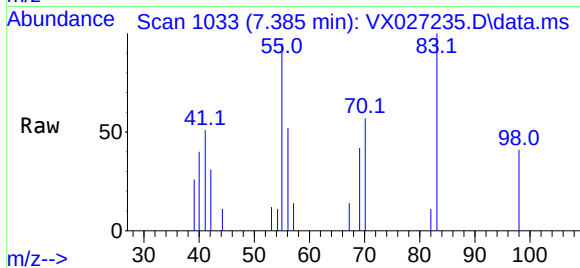
Acq: 28 Feb 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 83	Resp: 1318
Ion Ratio	Lower Upper
83 100	
55 95.2	63.6 95.4
98 41.0	38.4 57.6



#40

Benzene

Concen: 0.439 ug/l

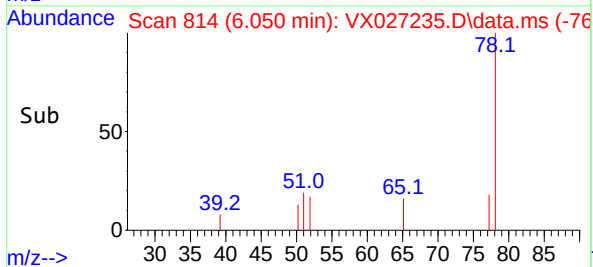
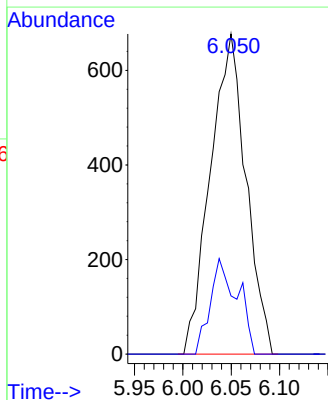
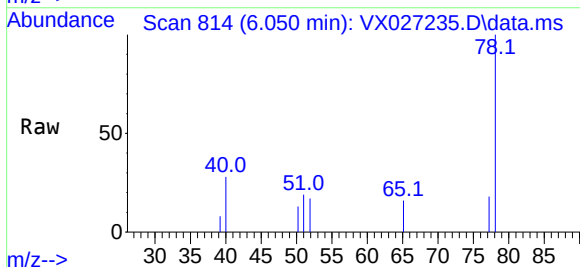
RT: 6.050 min Scan# 814

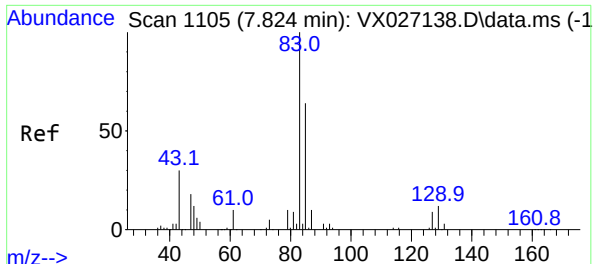
Delta R.T. 0.007 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

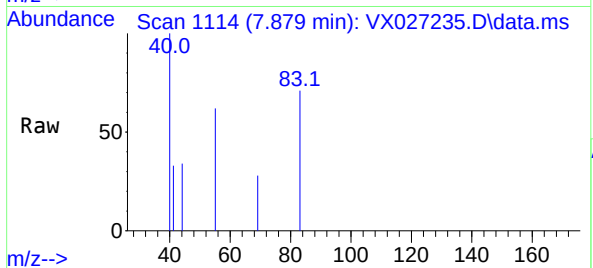
Tgt Ion: 78	Resp: 1731
Ion Ratio	Lower Upper
78 100	
77 18.2	18.9 28.3#



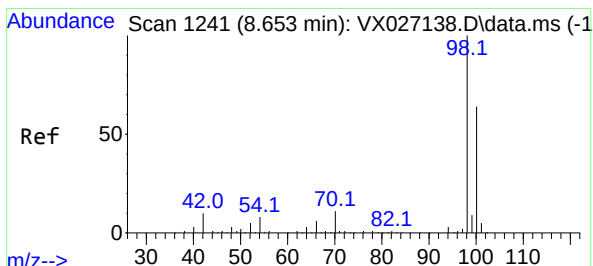
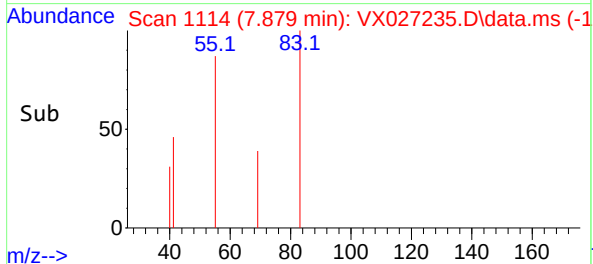
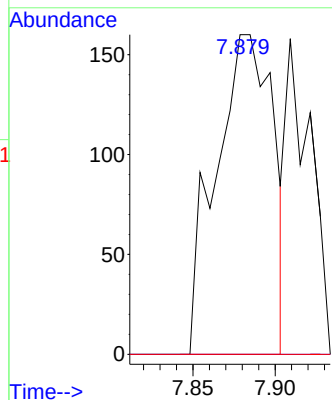


#47
Bromodichloromethane
Concen: 0.288 ug/l
RT: 7.879 min Scan# 1114
Delta R.T. 0.055 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Instrument :
MSVOA_X
ClientSampleId :

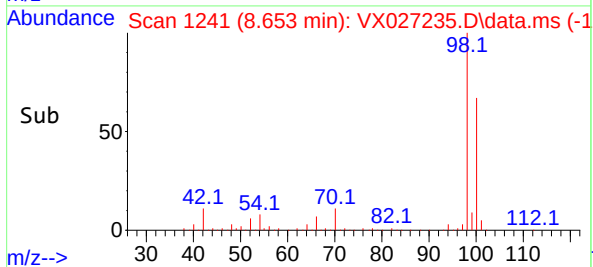
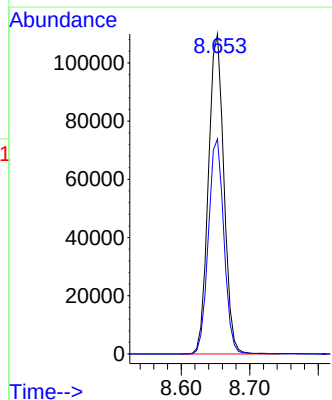
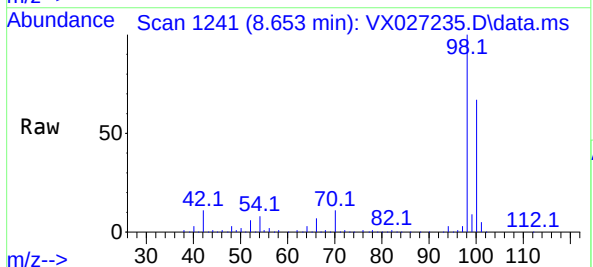


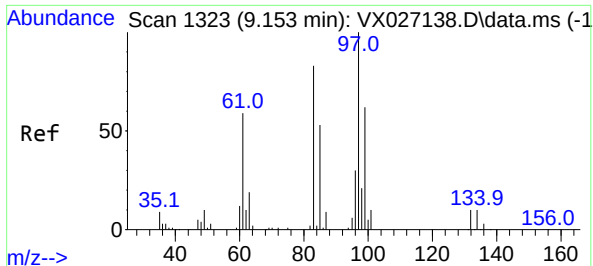
Tgt Ion: 83 Resp: 389
Ion Ratio Lower Upper
83 100
85 0.0 51.4 77.0#
127 0.0 6.9 10.3#



#50
Toluene-d8
Concen: 50.018 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Tgt Ion: 98 Resp: 172630
Ion Ratio Lower Upper
98 100
100 67.3 53.2 79.8





#55

1,1,2-Trichloroethane

Concen: 0.809 ug/l

RT: 9.098 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 808

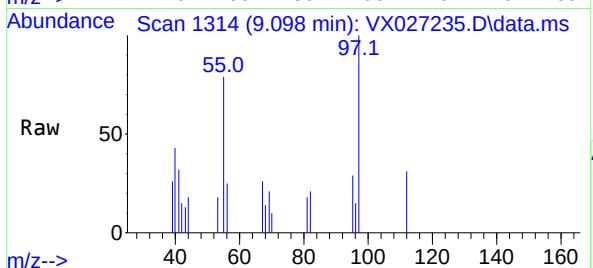
Ion Ratio Lower Upper

97 100

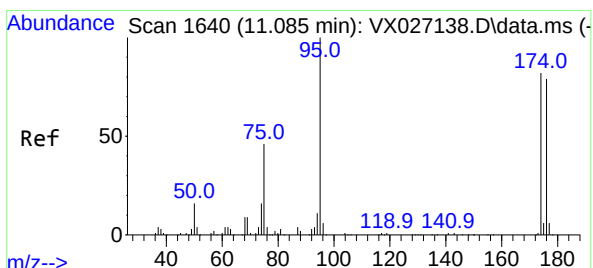
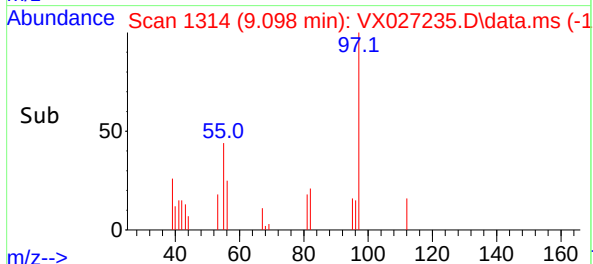
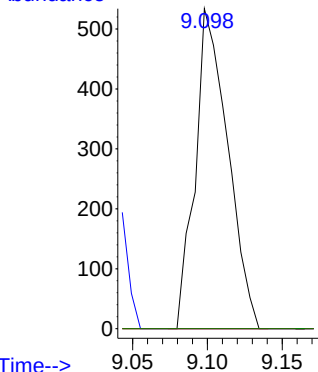
83 0.0 68.4 102.6#

85 0.0 44.0 66.0#

99 0.0 49.8 74.6#



Abundance



#62

4-Bromofluorobenzene

Concen: 50.370 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

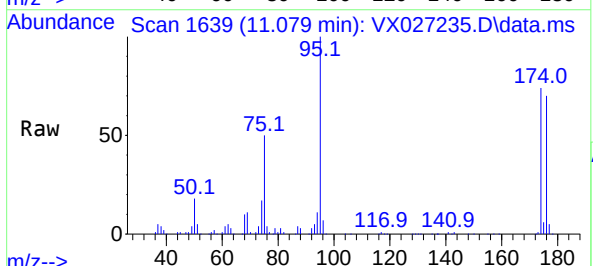
Tgt Ion: 95 Resp: 66731

Ion Ratio Lower Upper

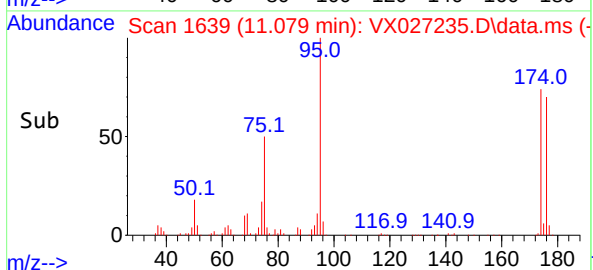
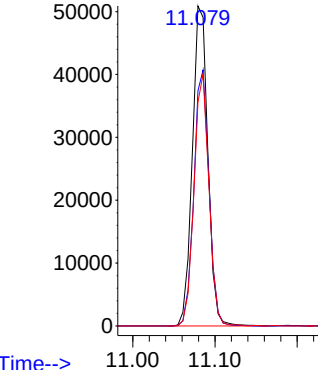
95 100

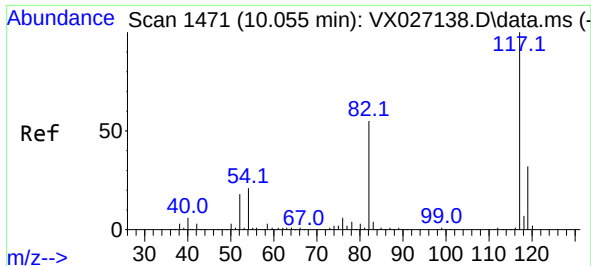
174 77.9 0.0 148.6

176 75.5 0.0 141.4



Abundance

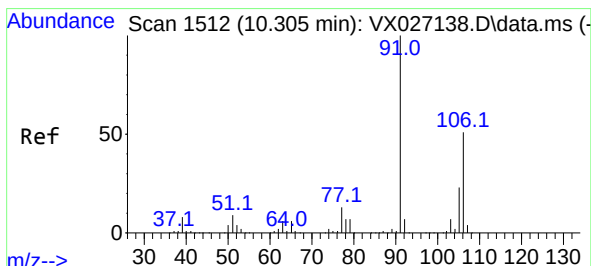
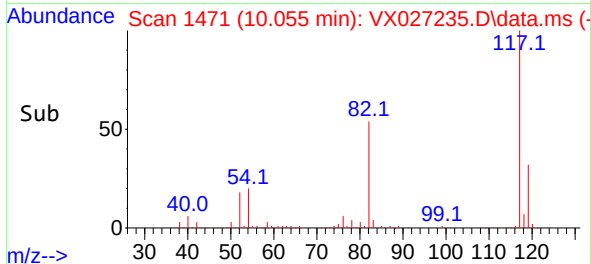
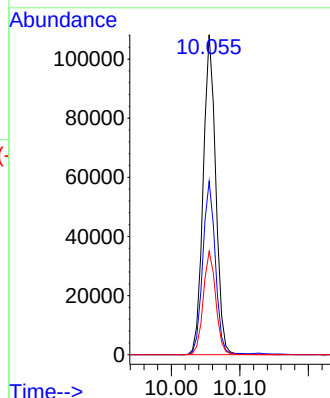
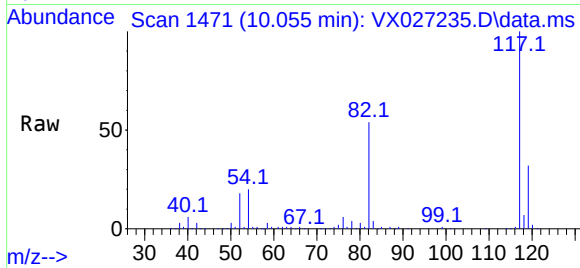




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

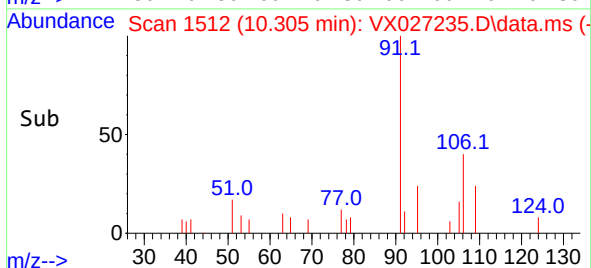
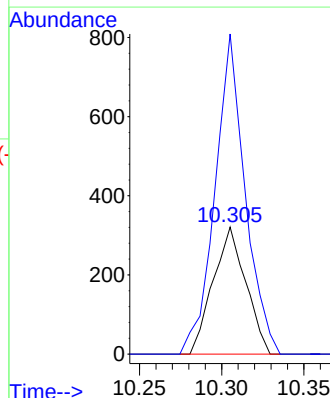
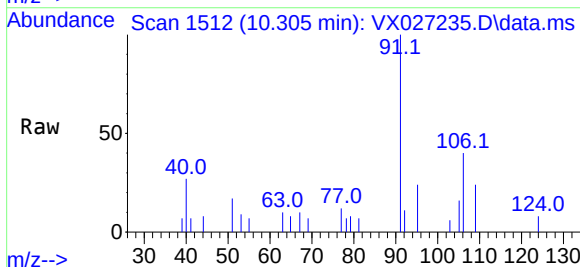
Instrument :
MSVOA_X
ClientSampleId :

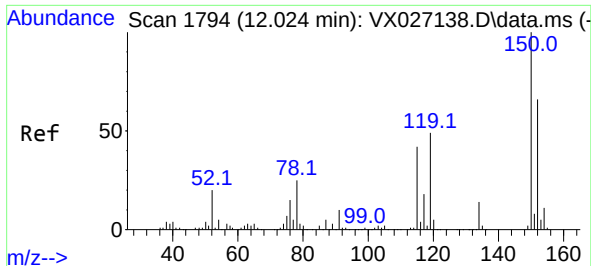
Tgt Ion:117 Resp: 138094
Ion Ratio Lower Upper
117 100
82 54.2 45.2 67.8
119 32.3 26.2 39.2



#68
m/p-Xylenes
Concen: 0.234 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

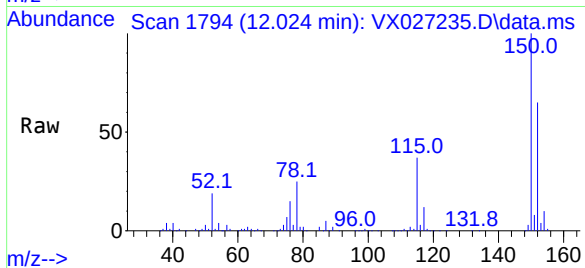
Tgt Ion:106 Resp: 444
Ion Ratio Lower Upper
106 100
91 232.7 165.3 247.9



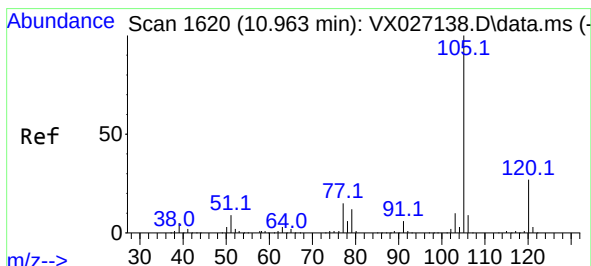
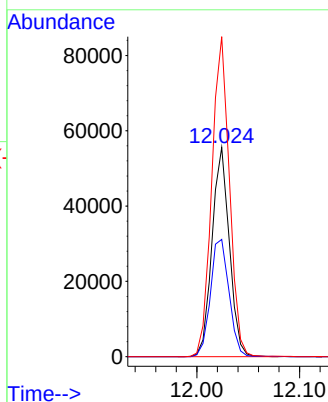
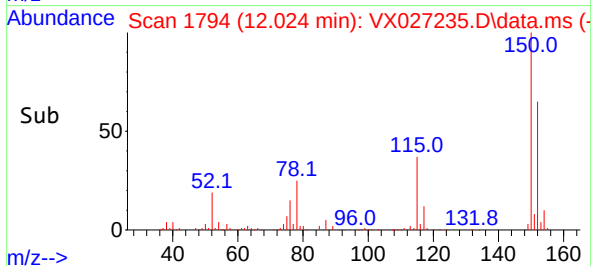


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

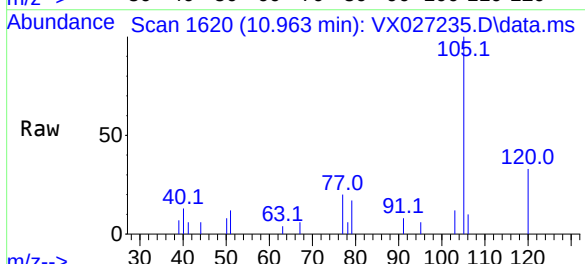
Instrument :
MSVOA_X
ClientSampleId :



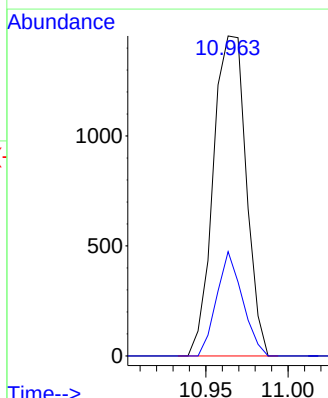
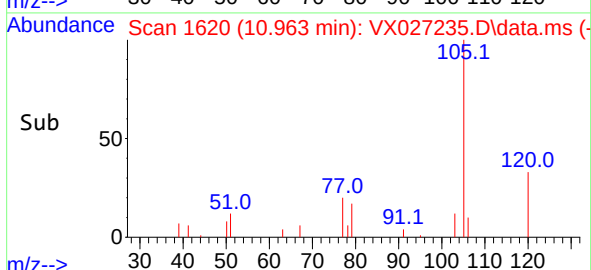
Tgt Ion:152 Resp: 64877
Ion Ratio Lower Upper
152 100
115 60.4 44.2 132.6
150 155.8 0.0 348.2

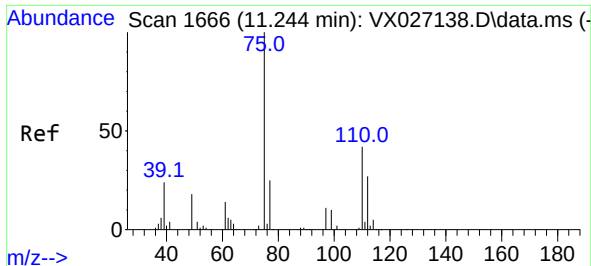


#73
Isopropylbenzene
Concen: 0.436 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07



Tgt Ion:105 Resp: 2023
Ion Ratio Lower Upper
105 100
120 25.6 13.1 39.1

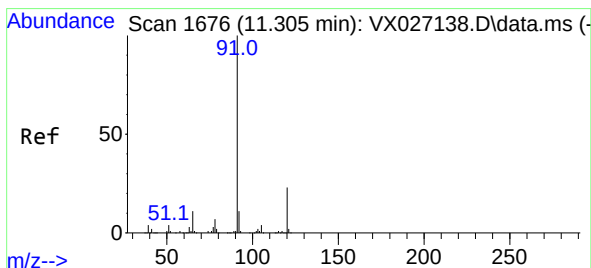
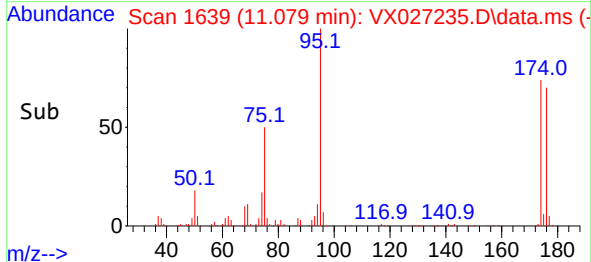
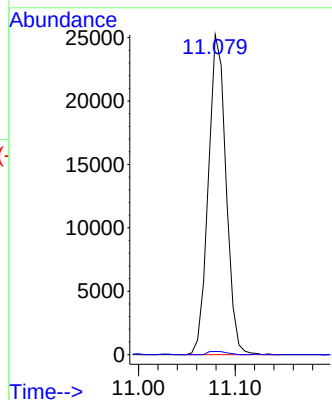
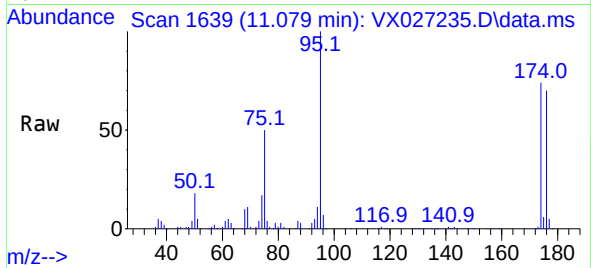




#76
1,2,3-Trichloropropane
Concen: 24.524 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

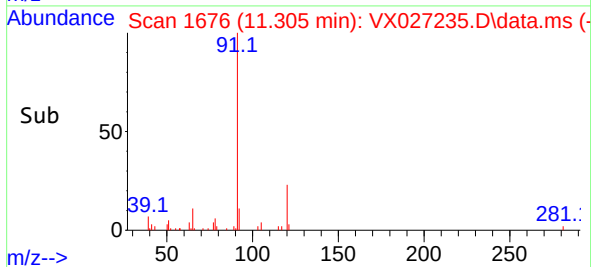
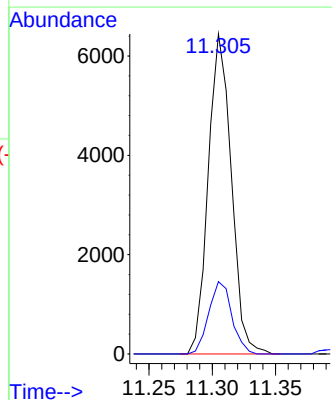
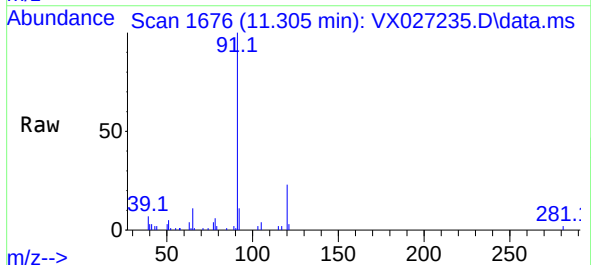
Instrument :
MSVOA_X
ClientSampleId :

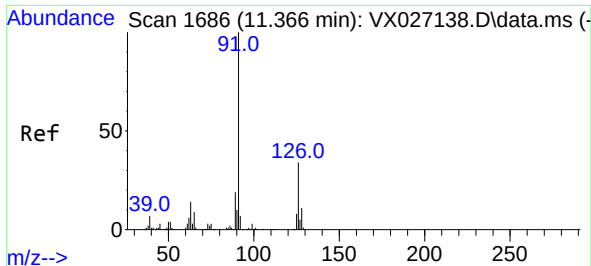
Tgt Ion: 75 Resp: 32047
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#



#78
n-propylbenzene
Concen: 1.547 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Tgt Ion: 91 Resp: 8165
Ion Ratio Lower Upper
91 100
120 22.7 11.6 34.7

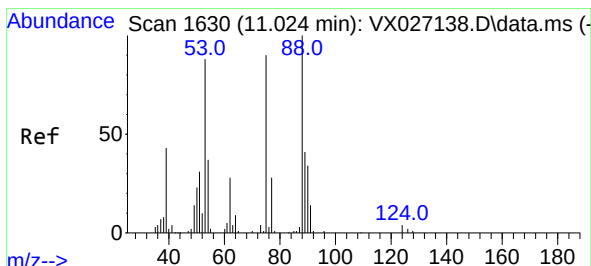
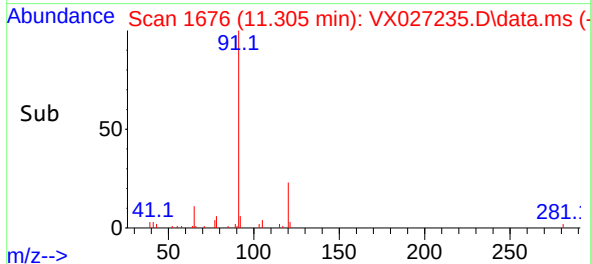
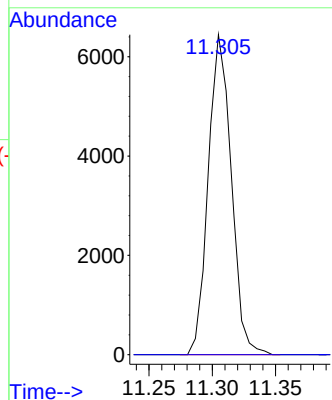
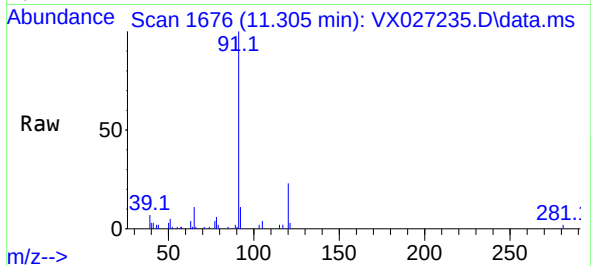




#79
2-Chlorotoluene
Concen: 2.525 ug/l
RT: 11.305 min Scan# 1686
Delta R.T. -0.061 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

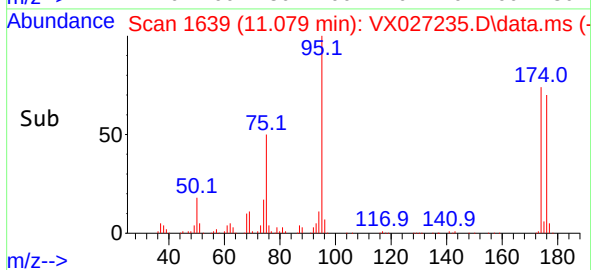
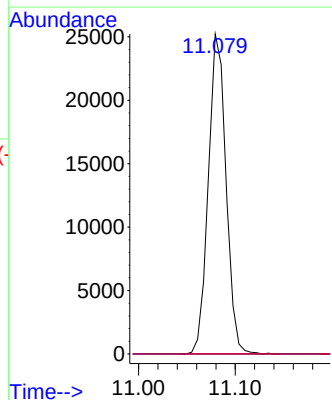
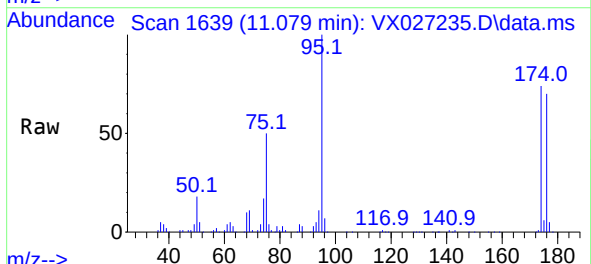
Instrument :
MSVOA_X
ClientSampleId :

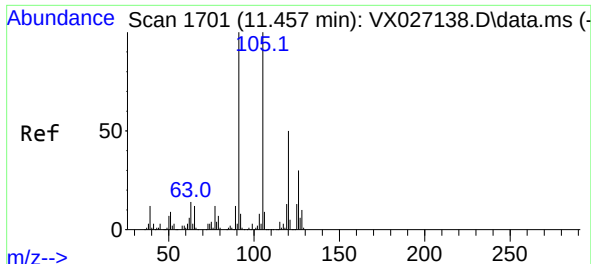
Tgt Ion: 91 Resp: 8165
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Tgt Ion: 75 Resp: 32047
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

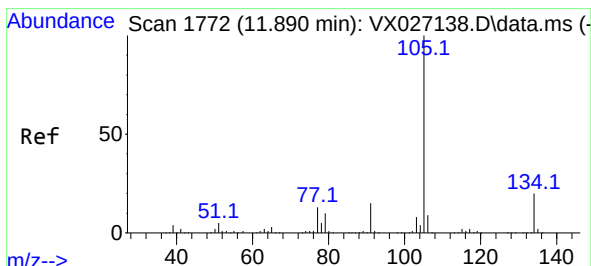
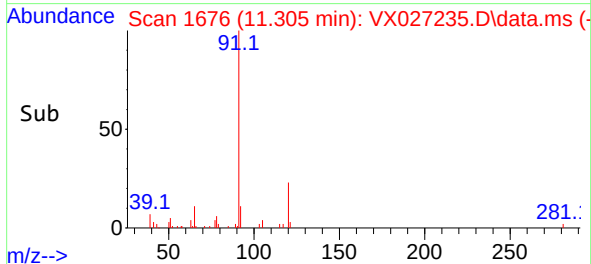
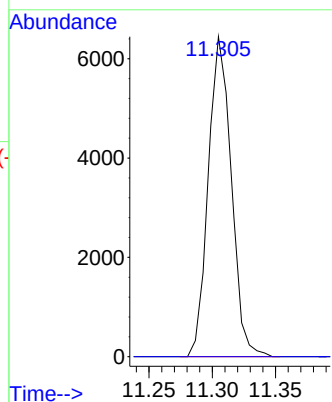
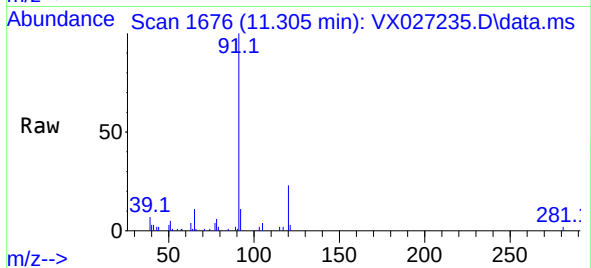




#82
4-Chlorotoluene
Concen: 2.211 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.152 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

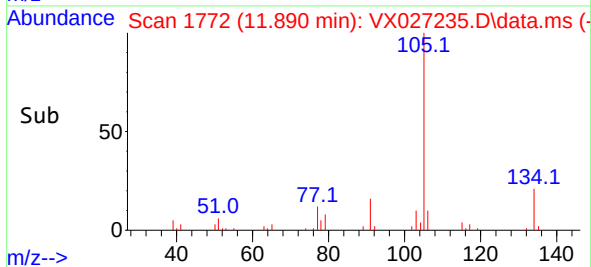
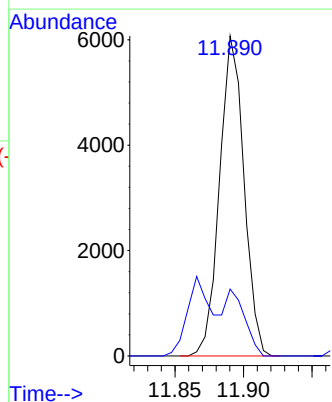
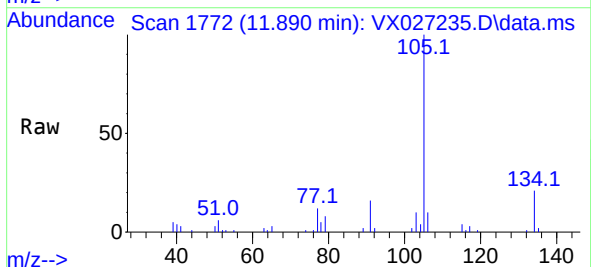
Instrument :
MSVOA_X
ClientSampleId :

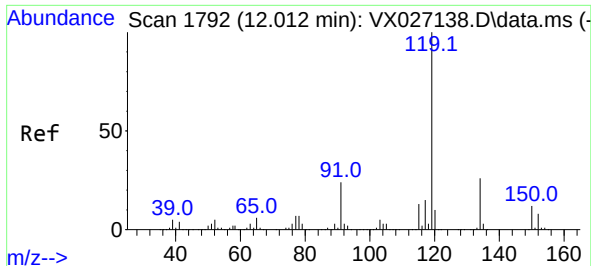
Tgt Ion: 91 Resp: 8165
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.4#



#85
sec-Butylbenzene
Concen: 1.579 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX027235.D
Acq: 28 Feb 2022 21:07

Tgt Ion: 105 Resp: 7513
Ion Ratio Lower Upper
105 100
134 15.4 10.1 30.1





#86

p-Isopropyltoluene

Concen: 0.274 ug/l

RT: 12.177 min Scan# 1110

Delta R.T. 0.165 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

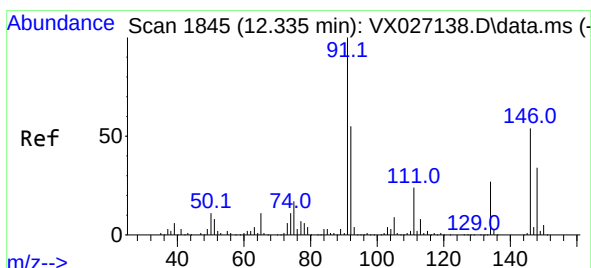
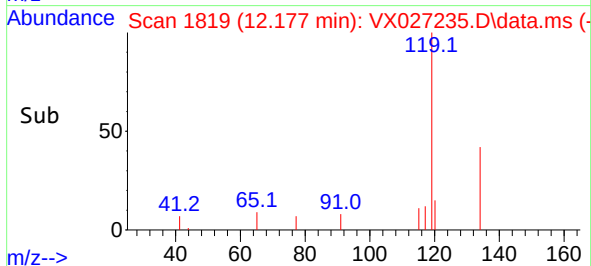
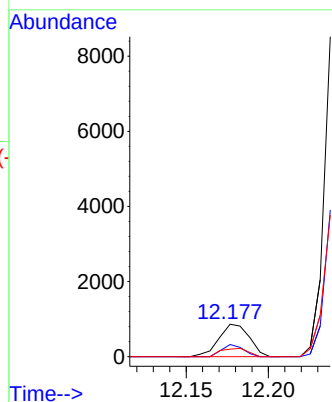
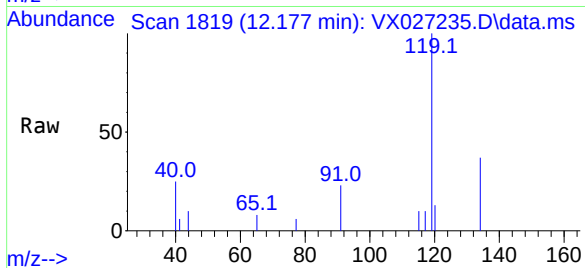
Tgt Ion:119 Resp: 1110

Ion Ratio Lower Upper

119 100

134 0.0 13.0 39.0#

91 0.0 12.6 37.6#



#89

n-Butylbenzene

Concen: 3.552 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX027235.D

Acq: 28 Feb 2022 21:07

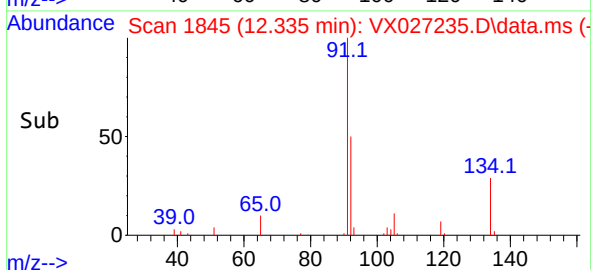
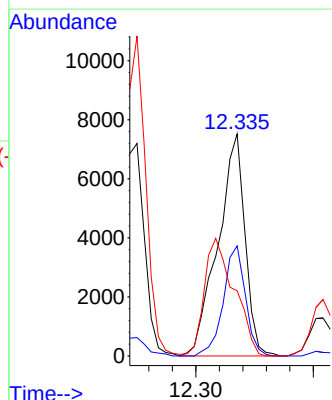
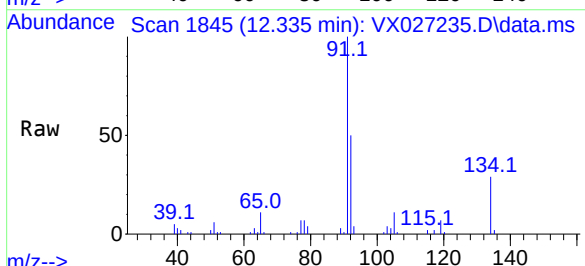
Tgt Ion: 91 Resp: 12045

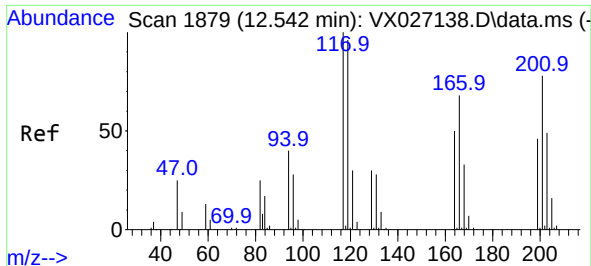
Ion Ratio Lower Upper

91 100

92 40.3 27.2 81.6

134 58.5 13.1 39.1#





#90
 Hexachloroethane
 Concen: 22.049 ug/l
 RT: 12.646 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VX027235.D
 Acq: 28 Feb 2022 21:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:117 Resp: 13858
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.6 106.8#

