

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022822\
 Data File : VX027229.D
 Acq On : 28 Feb 2022 18:46
 Operator : JC/MD
 Sample : N1688-18DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 01 00:45:54 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)

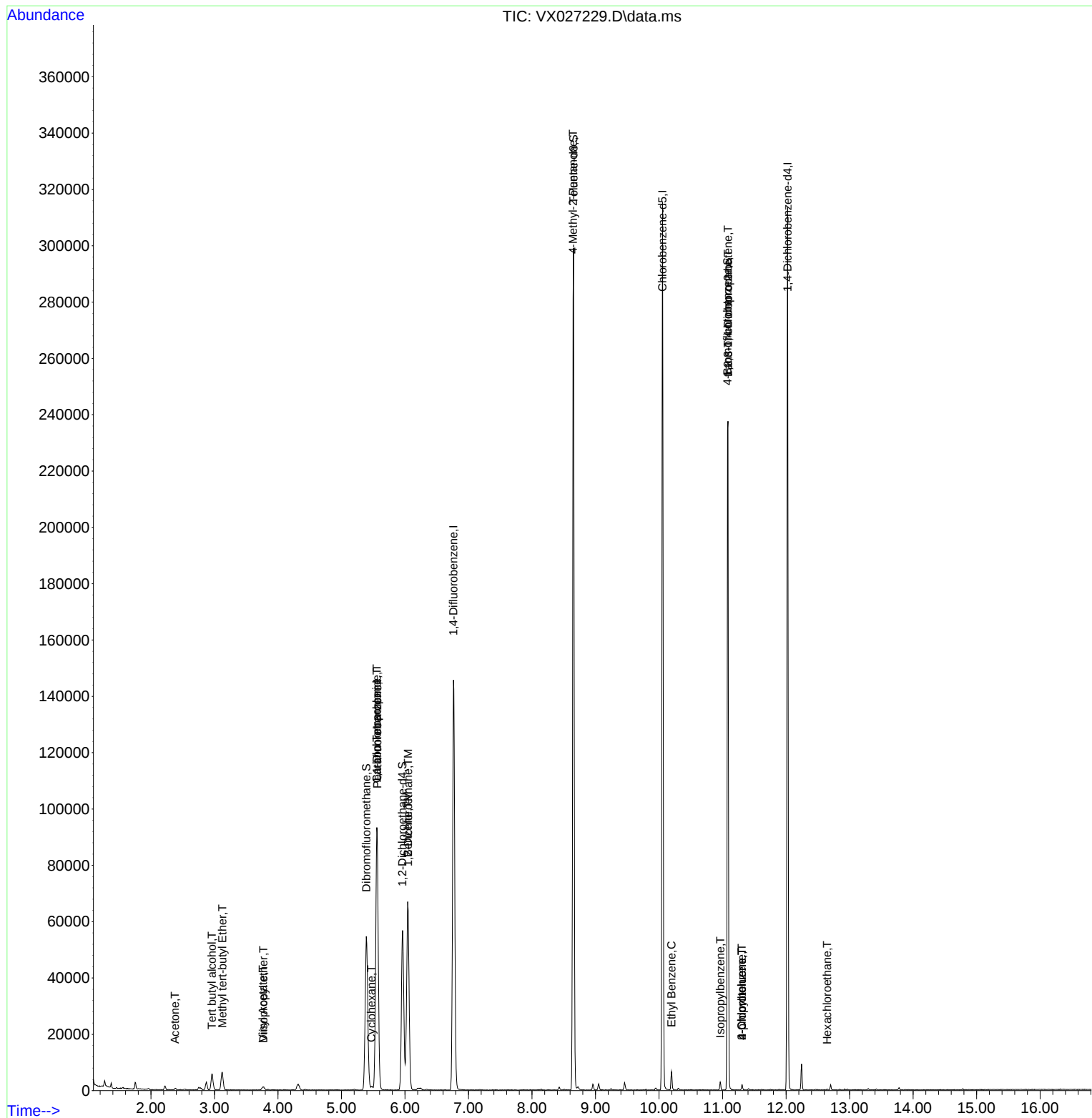
Internal Standards						
1) Pentafluorobenzene	5.562	168	90998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	152350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54640	49.996	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.000%
35) Dibromofluoromethane	5.391	113	47433	50.159	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.320%
50) Toluene-d8	8.653	98	176806	50.002	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.000%
62) 4-Bromofluorobenzene	11.079	95	66859	49.260	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.520%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	48	Below Cal	#	2
11) Tert butyl alcohol	2.959	59	6771	31.843	ug/l	98
16) Acetone	2.380	43	695	1.448	ug/l	90
19) Methyl tert-butyl Ether	3.123	73	6963	2.291	ug/l	99
22) Diisopropyl ether	3.770	45	1321	0.434	ug/l #	62
23) Vinyl Acetate	3.764	43	699	0.272	ug/l #	73
31) Cyclohexane	5.471	56	842	0.514	ug/l #	75
36) 1,1-Dichloropropene	5.556	75	6436	4.663	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9130	6.343	ug/l #	16
40) Benzene	6.044	78	81040	20.079	ug/l	99
42) 1,2-Dichloroethane	6.050	62	762	0.532	ug/l #	75
51) 4-Methyl-2-Pentanone	8.647	43	698	0.461	ug/l #	1
67) Ethyl Benzene	10.195	91	4041	0.811	ug/l	98
73) Isopropylbenzene	10.964	105	1621	0.353	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	32929	25.503	ug/l #	40
78) n-propylbenzene	11.305	91	1554	0.298	ug/l	97
79) 2-Chlorotoluene	11.305	91	1554	0.486	ug/l #	42
81) trans-1,4-Dichloro-2-b...	11.085	75	32929	72.128	ug/l #	3
82) 4-Chlorotoluene	11.305	91	1554	0.426	ug/l #	46
90) Hexachloroethane	12.646	117	183	0.295	ug/l #	14

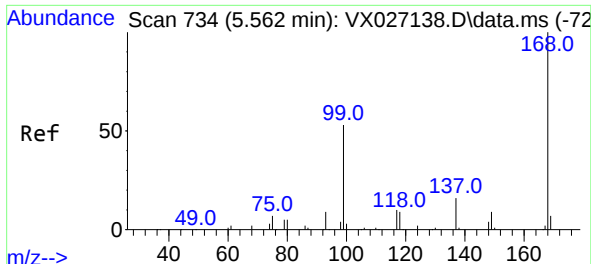
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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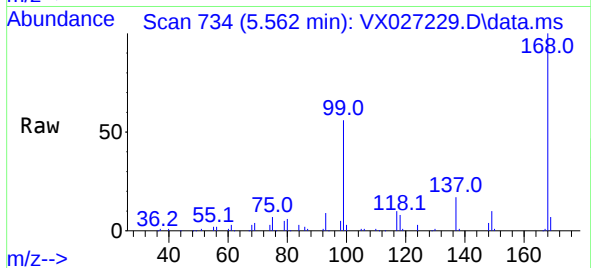
Quant Time: Mar 01 00:45:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 23 13:06:57 2022
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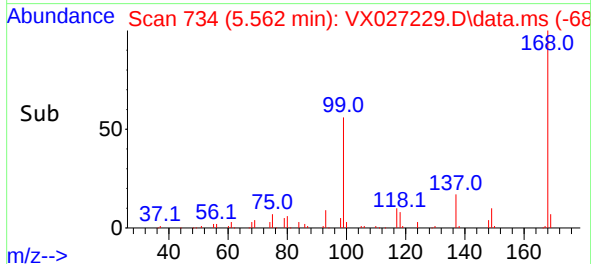
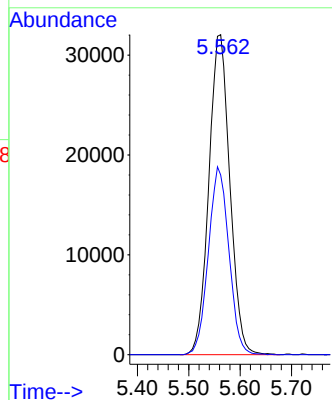


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Instrument :
MSVOA_X
ClientSampleId :

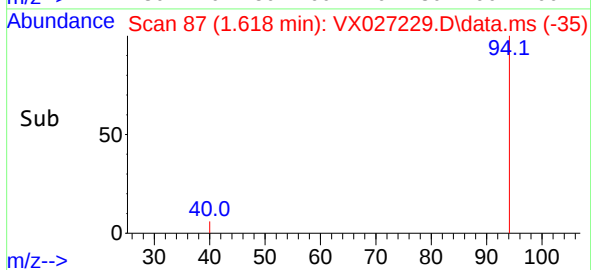
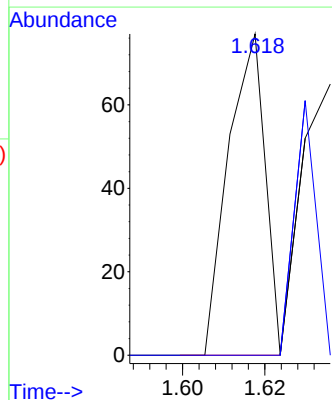
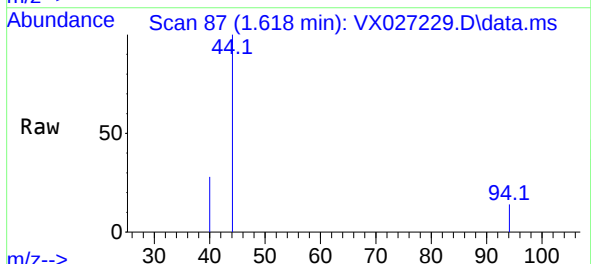


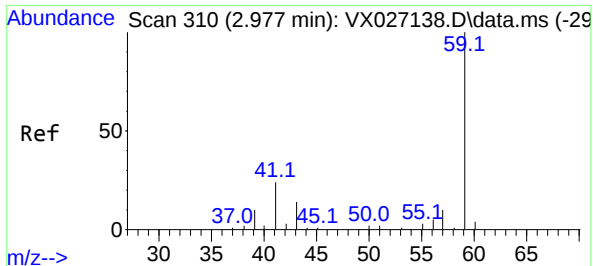
Tgt Ion:168 Resp: 90998
Ion Ratio Lower Upper
168 100
99 56.2 50.3 75.5



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Tgt Ion: 94 Resp: 48
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#

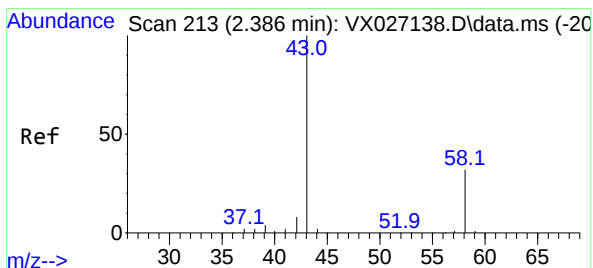
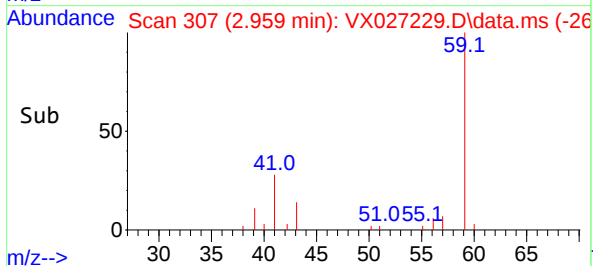
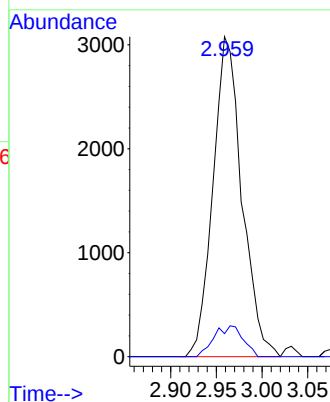
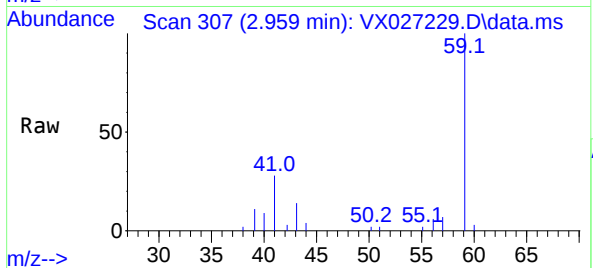




#11
Tert butyl alcohol
Concen: 31.843 ug/l
RT: 2.959 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

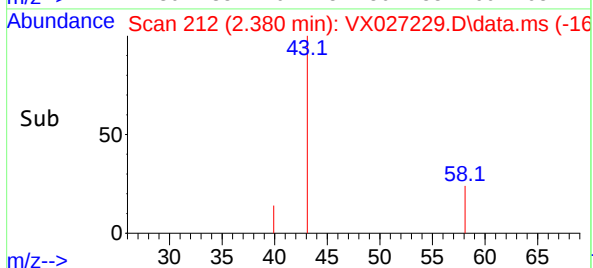
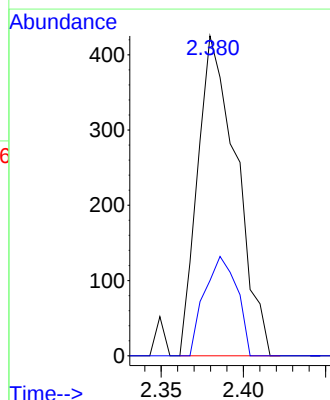
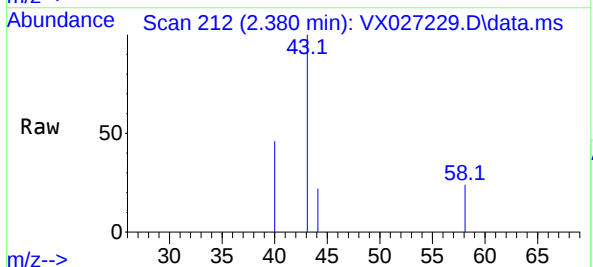
Instrument :
MSVOA_X
ClientSampleId :

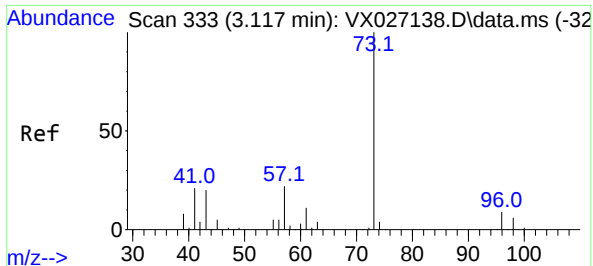
Tgt Ion: 59 Resp: 6771
Ion Ratio Lower Upper
59 100
57 9.7 7.2 10.8



#16
Acetone
Concen: 1.448 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 23.5 23.0 34.6

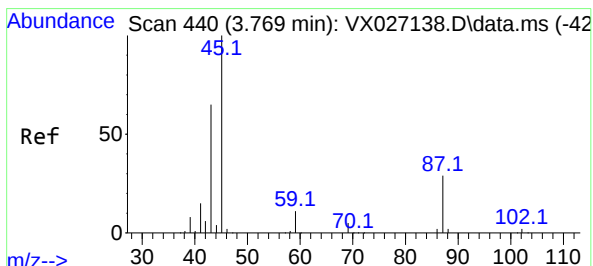
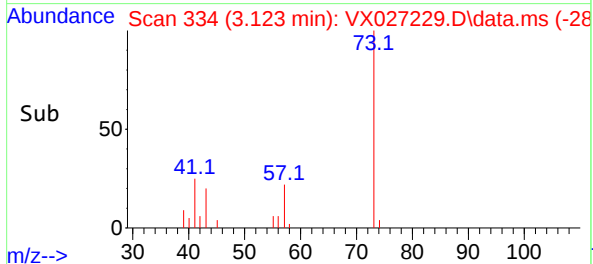
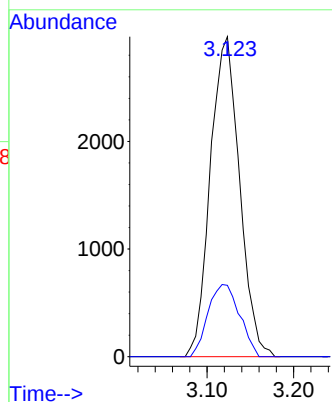
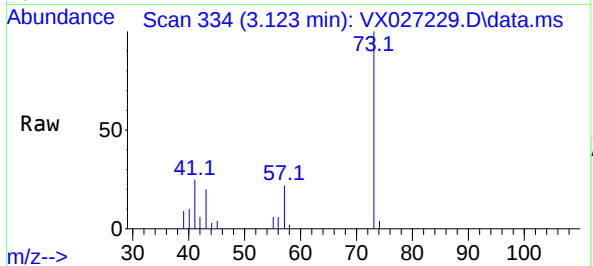




#19
Methyl tert-butyl Ether
Concen: 2.291 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

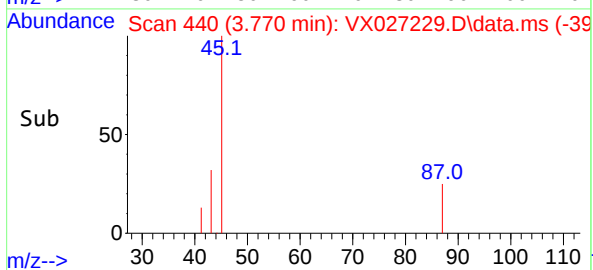
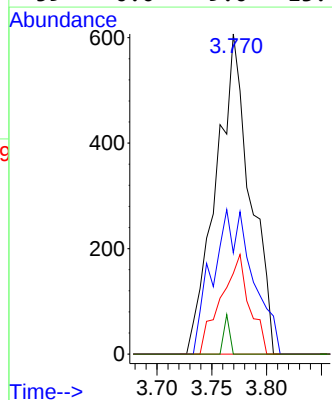
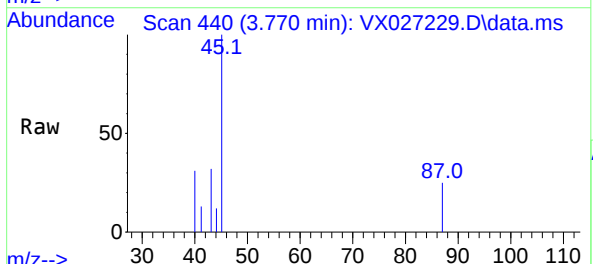
Instrument :
MSVOA_X
ClientSampleId :

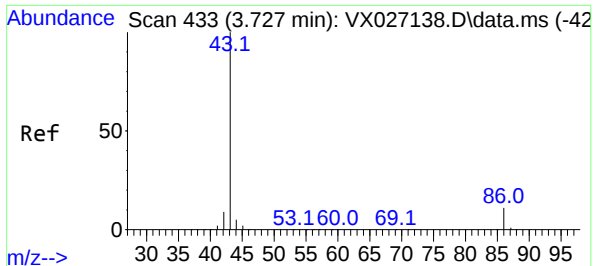
Tgt Ion: 73 Resp: 6963
Ion Ratio Lower Upper
73 100
57 22.3 17.4 26.2



#22
Diisopropyl ether
Concen: 0.434 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.001 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Tgt Ion: 45 Resp: 1321
Ion Ratio Lower Upper
45 100
43 31.6 60.6 91.0#
87 25.2 22.0 33.0
59 0.0 9.0 13.4#

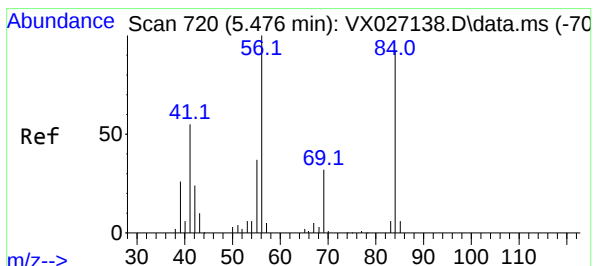
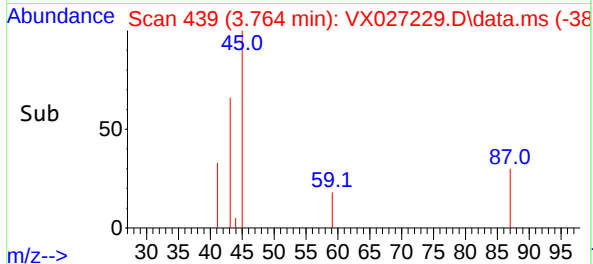
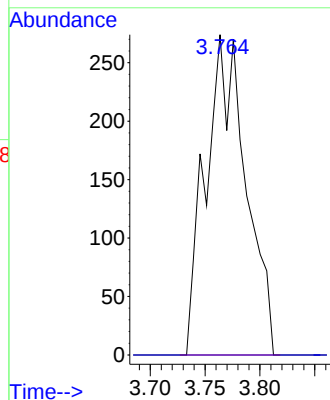
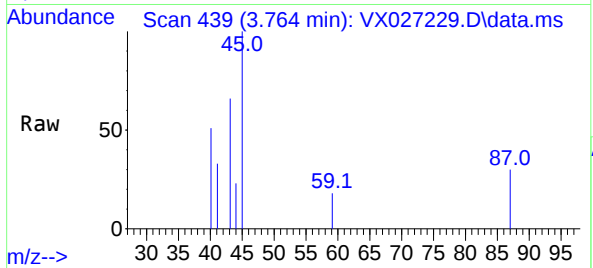




#23
 Vinyl Acetate
 Concen: 0.272 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.037 min
 Lab File: VX027229.D
 Acq: 28 Feb 2022 18:46

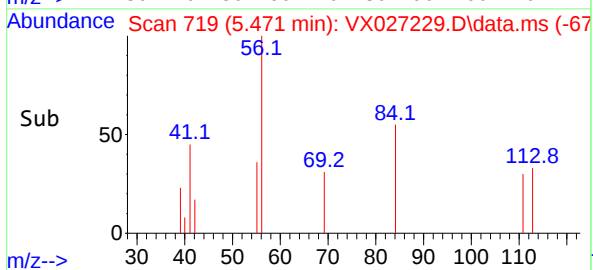
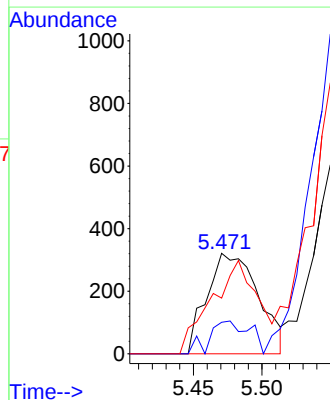
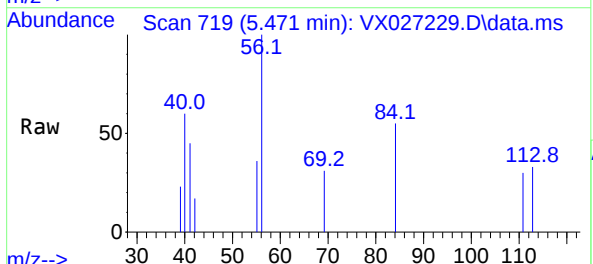
Instrument :
 MSVOA_X
 ClientSampleId :

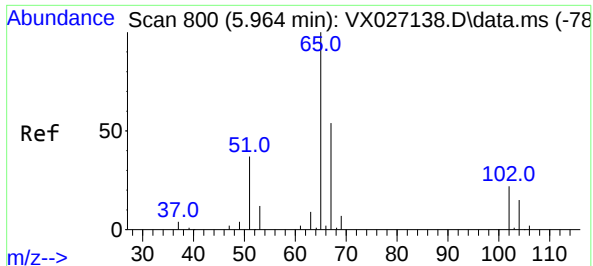
Tgt Ion: 43 Resp: 699
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.1 12.1#



#31
 Cyclohexane
 Concen: 0.514 ug/l
 RT: 5.471 min Scan# 719
 Delta R.T. -0.005 min
 Lab File: VX027229.D
 Acq: 28 Feb 2022 18:46

Tgt Ion: 56 Resp: 842
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.8 38.6
 84 55.5 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 49.996 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027229.D

Acq: 28 Feb 2022 18:46

Instrument :

MSVOA_X

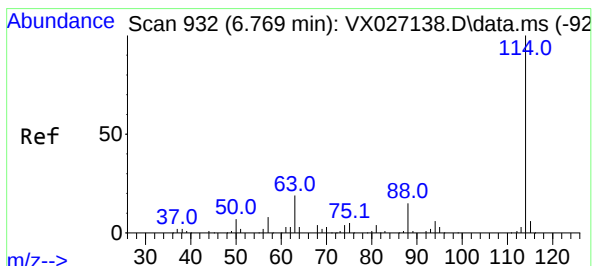
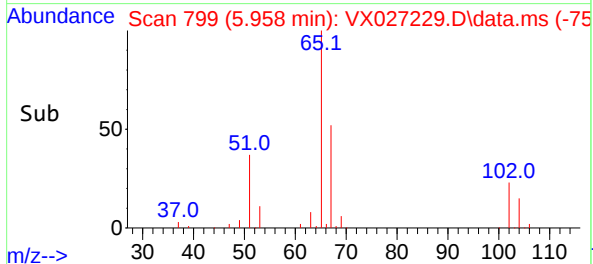
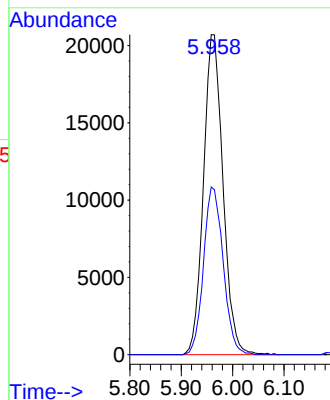
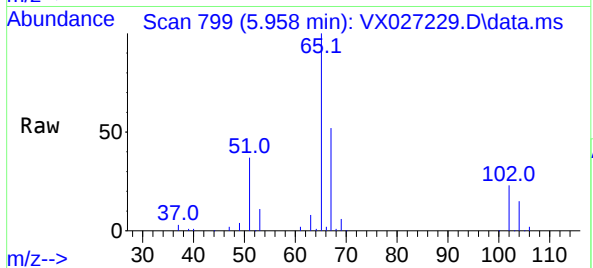
ClientSampleId :

Tgt Ion: 65 Resp: 54640

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX027229.D

Acq: 28 Feb 2022 18:46

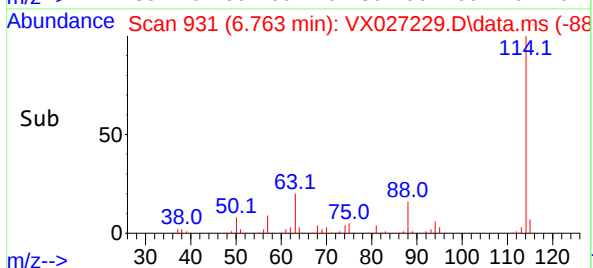
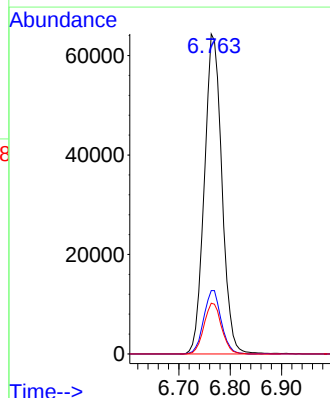
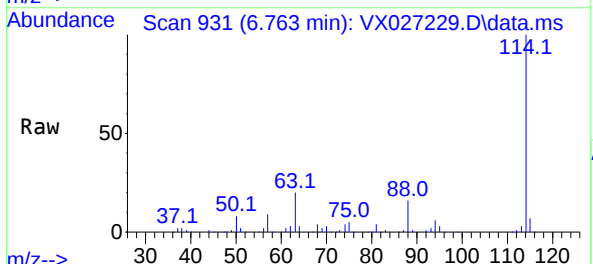
Tgt Ion: 114 Resp: 152350

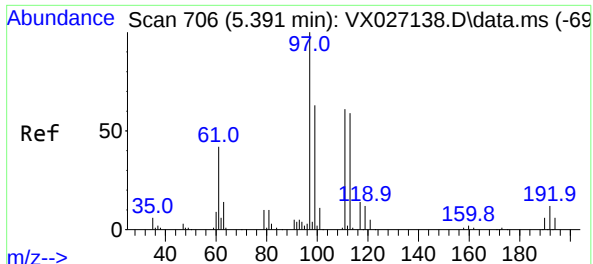
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.159 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

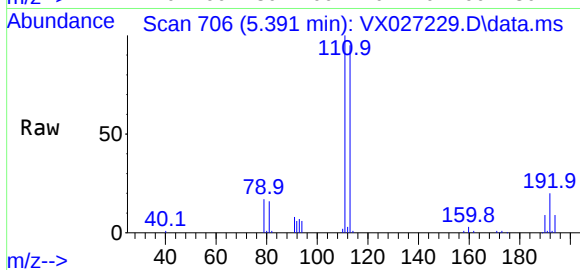
Lab File: VX027229.D

Acq: 28 Feb 2022 18:46

Instrument :

MSVOA_X

ClientSampleId :



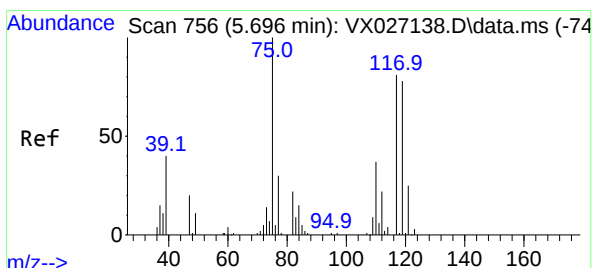
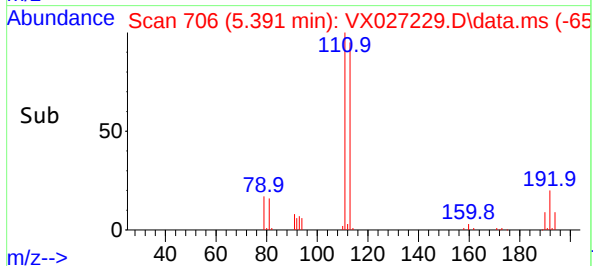
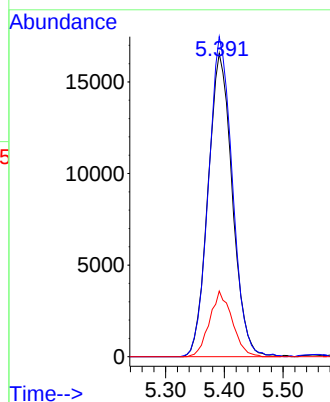
Tgt Ion:113 Resp: 47433

Ion Ratio Lower Upper

113 100

111 103.8 81.2 121.8

192 20.2 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.663 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027229.D

Acq: 28 Feb 2022 18:46

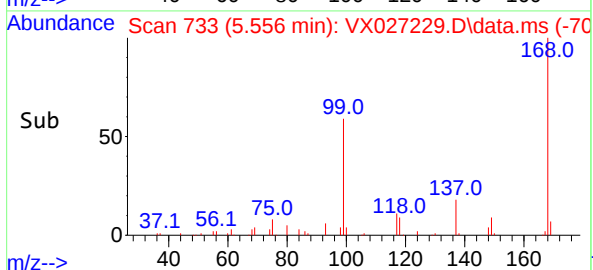
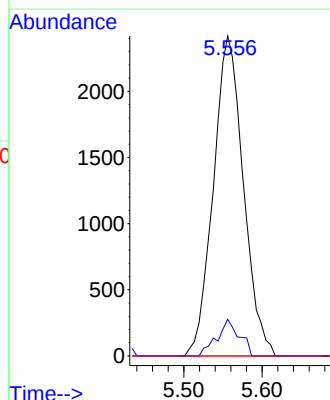
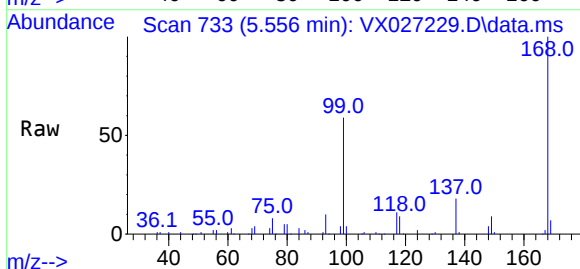
Tgt Ion: 75 Resp: 6436

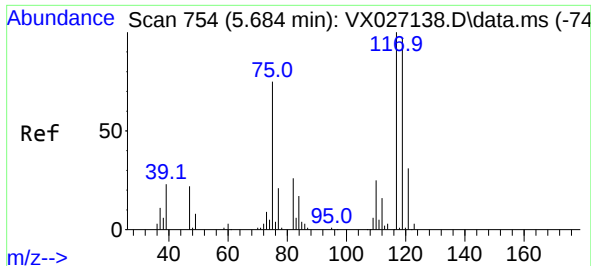
Ion Ratio Lower Upper

75 100

110 8.5 17.2 51.6#

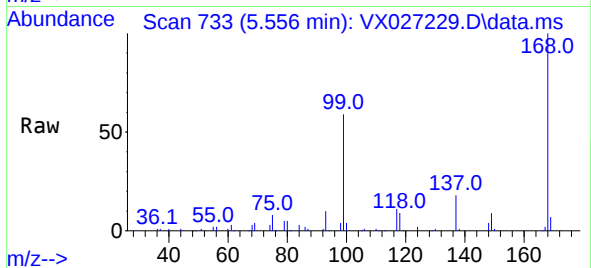
77 0.0 24.6 36.8#



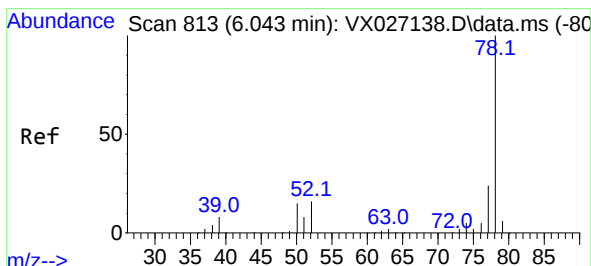
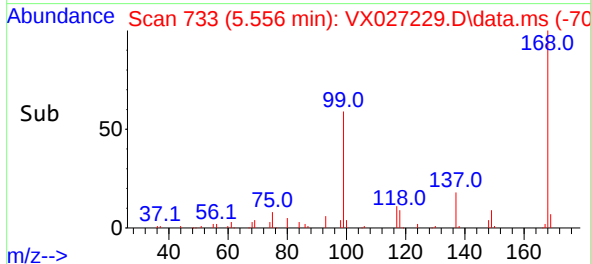
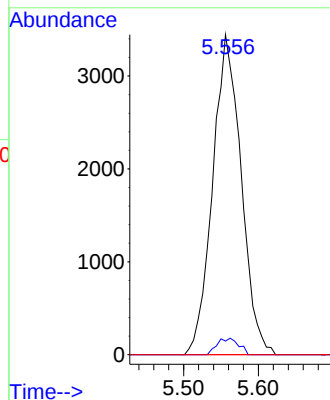


#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Instrument :
MSVOA_X
ClientSampleId :

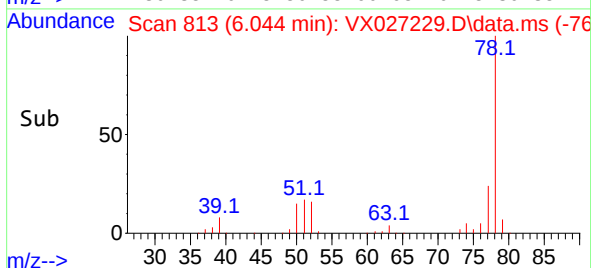
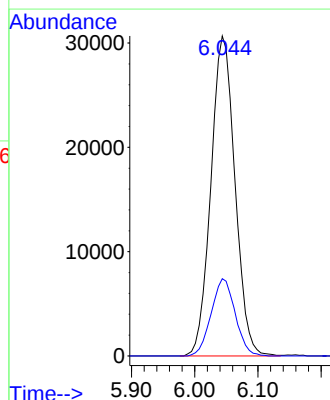
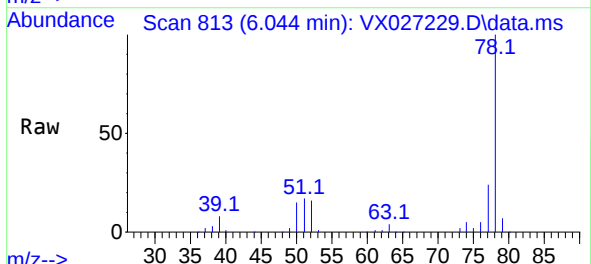


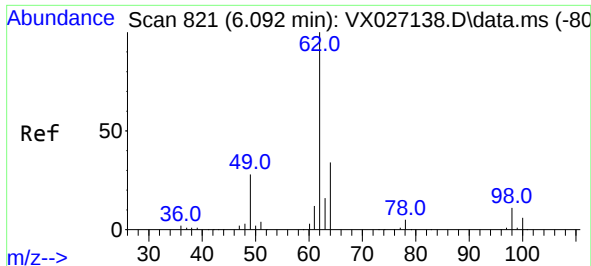
Tgt Ion:117 Resp: 9130
Ion Ratio Lower Upper
117 100
119 4.3 74.7 112.1#
121 0.0 25.4 38.0#



#40
Benzene
Concen: 20.079 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.001 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Tgt Ion: 78 Resp: 81040
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3





#42

1,2-Dichloroethane

Concen: 0.532 ug/l

RT: 6.050 min Scan# 81

Delta R.T. -0.042 min

Lab File: VX027229.D

Acq: 28 Feb 2022 18:46

Instrument :

MSVOA_X

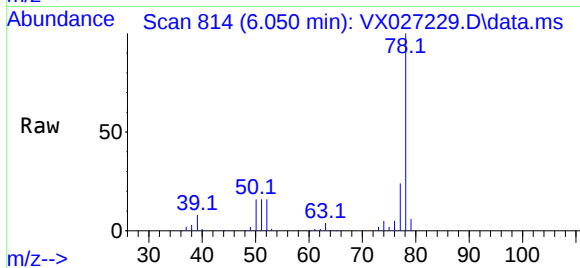
ClientSampleId :

Tgt Ion: 62 Resp: 762

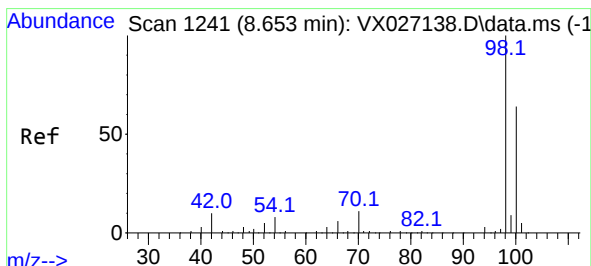
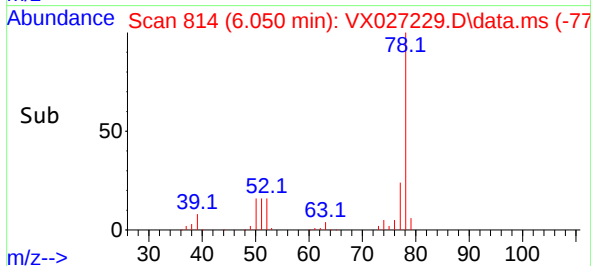
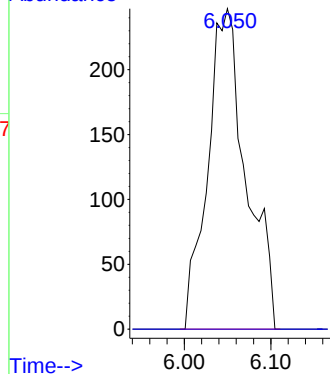
Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8



Abundance



#50

Toluene-d8

Concen: 50.002 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027229.D

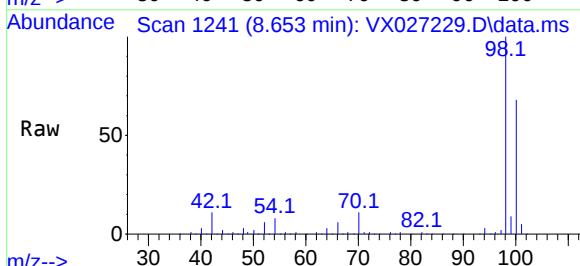
Acq: 28 Feb 2022 18:46

Tgt Ion: 98 Resp: 176806

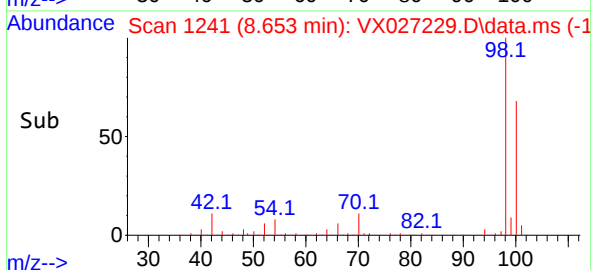
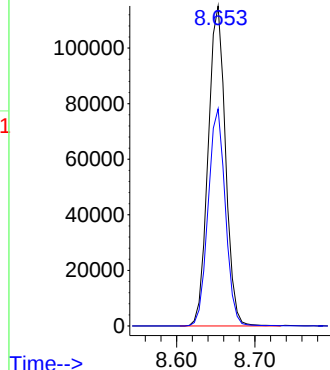
Ion Ratio Lower Upper

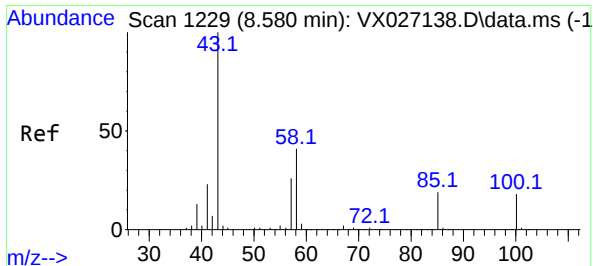
98 100

100 67.4 53.2 79.8



Abundance





#51

4-Methyl-2-Pentanone

Concen: 0.461 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX027229.D

Acq: 28 Feb 2022 18:46

Instrument :

MSVOA_X

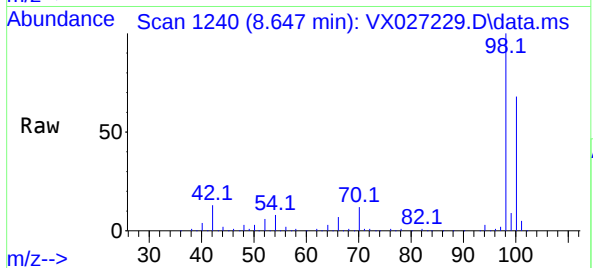
ClientSampleId :

Tgt Ion: 43 Resp: 698

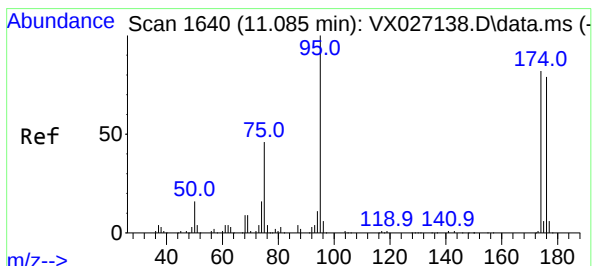
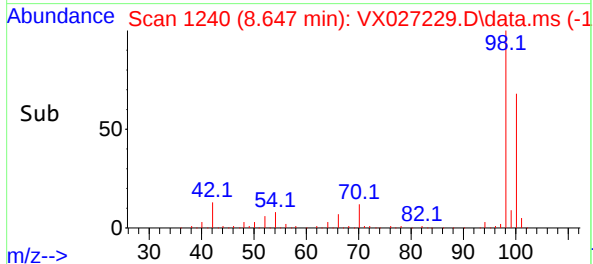
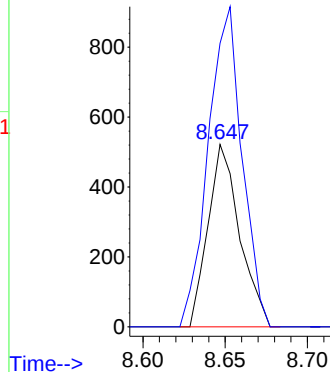
Ion Ratio Lower Upper

43 100

58 188.0 30.5 45.7#



Abundance



#62

4-Bromofluorobenzene

Concen: 49.260 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027229.D

Acq: 28 Feb 2022 18:46

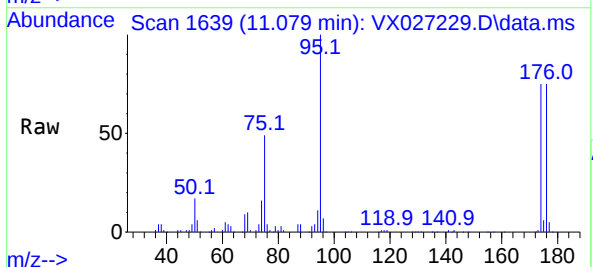
Tgt Ion: 95 Resp: 66859

Ion Ratio Lower Upper

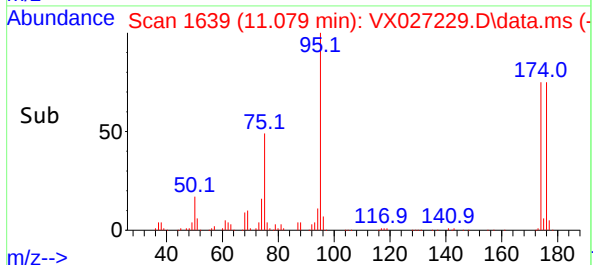
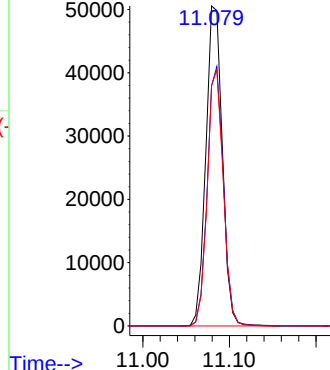
95 100

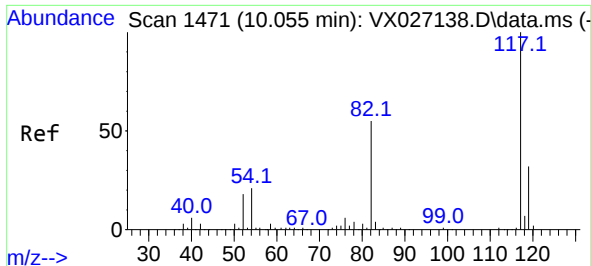
174 78.9 0.0 148.6

176 77.3 0.0 141.4



Abundance

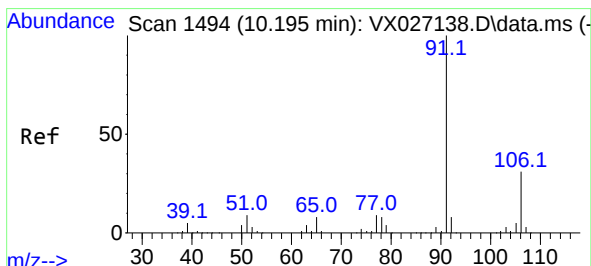
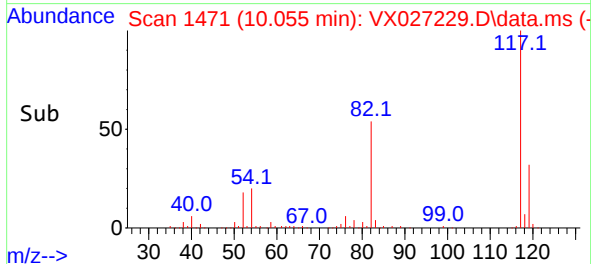
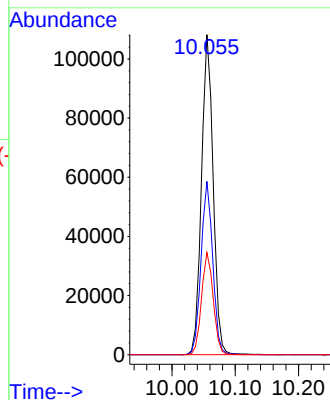
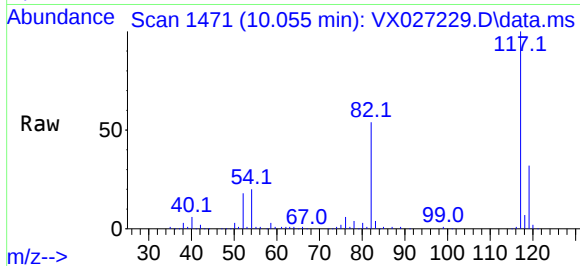




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

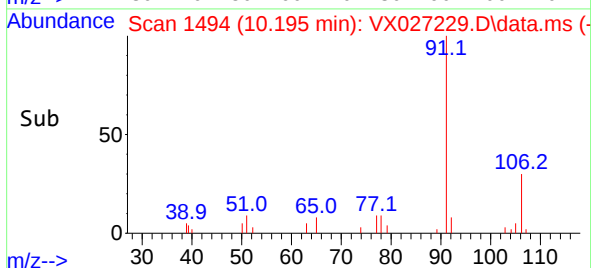
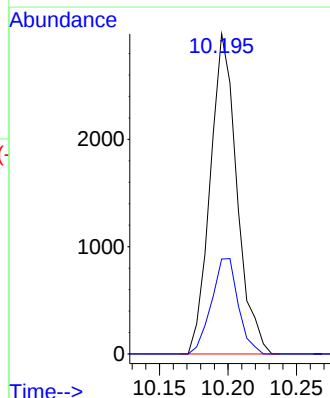
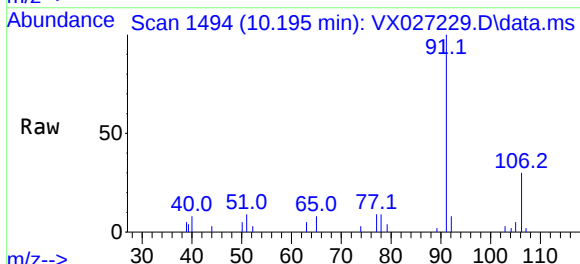
Instrument :
MSVOA_X
ClientSampleId :

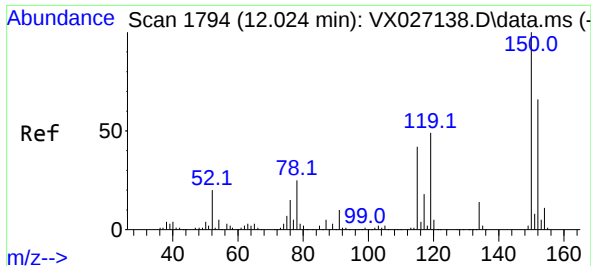
Tgt Ion:117 Resp: 139172
Ion Ratio Lower Upper
117 100
82 54.2 45.2 67.8
119 31.9 26.2 39.2



#67
Ethyl Benzene
Concen: 0.811 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

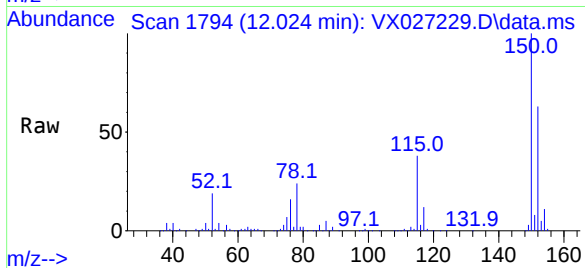
Tgt Ion: 91 Resp: 4041
Ion Ratio Lower Upper
91 100
106 29.6 24.7 37.1



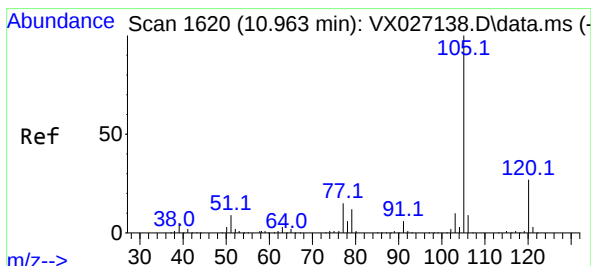
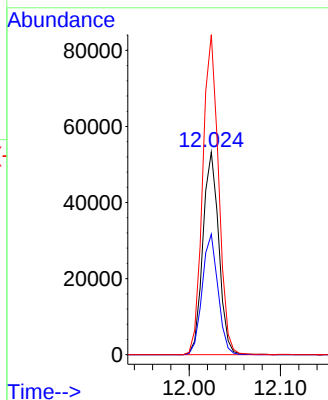
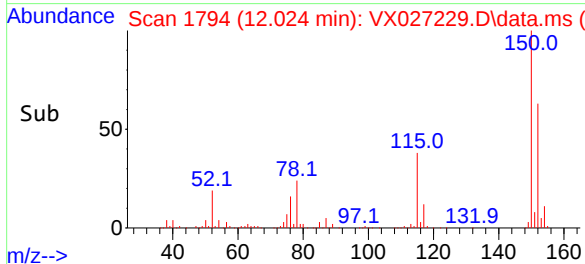


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

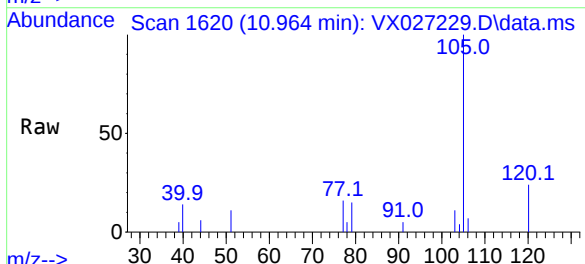
Instrument :
MSVOA_X
ClientSampleId :



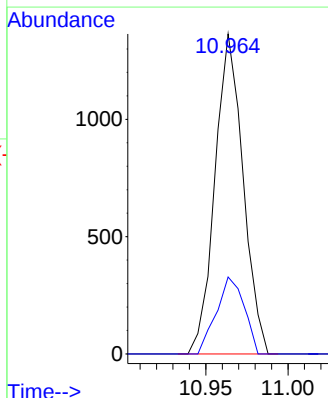
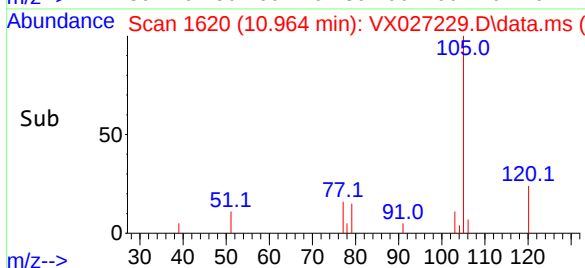
Tgt Ion:152 Resp: 64103
Ion Ratio Lower Upper
152 100
115 59.1 44.2 132.6
150 158.3 0.0 348.2

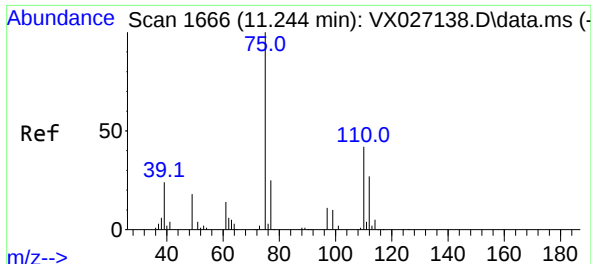


#73
Isopropylbenzene
Concen: 0.353 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46



Tgt Ion:105 Resp: 1621
Ion Ratio Lower Upper
105 100
120 23.7 13.1 39.1

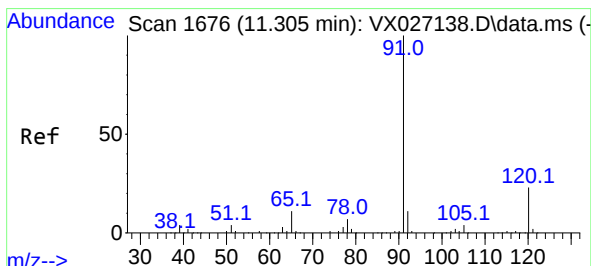
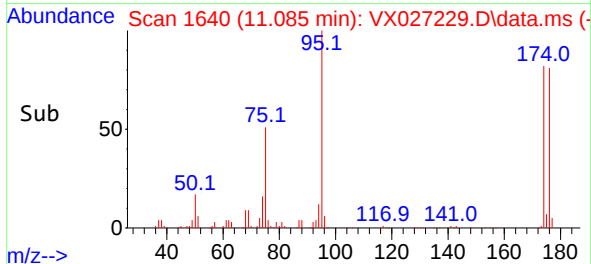
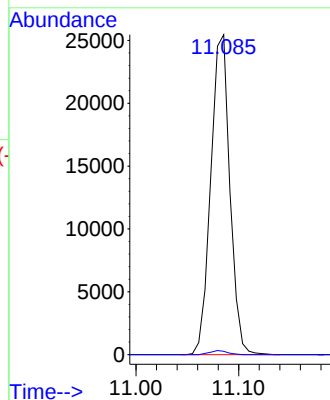
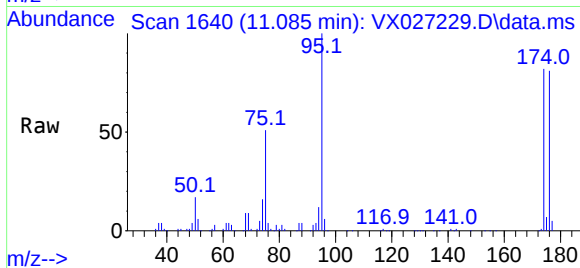




#76
1,2,3-Trichloropropane
Concen: 25.503 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

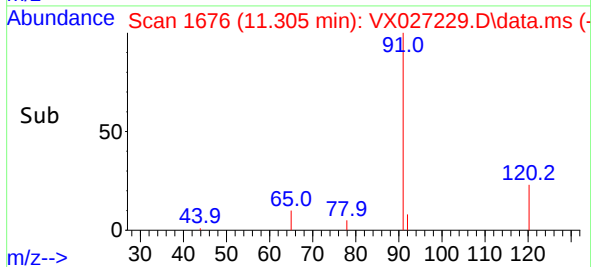
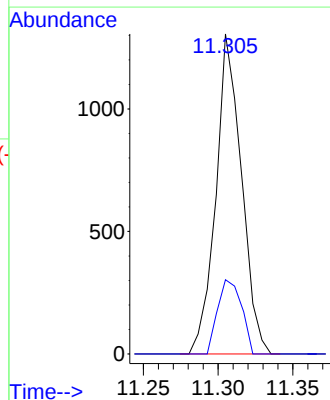
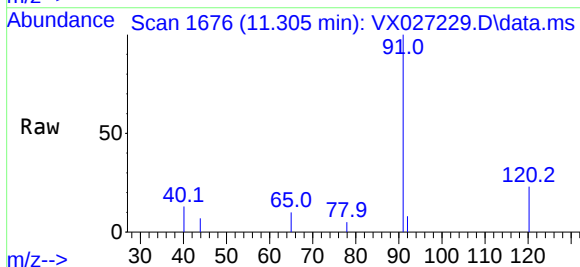
Instrument :
MSVOA_X
ClientSampleId :

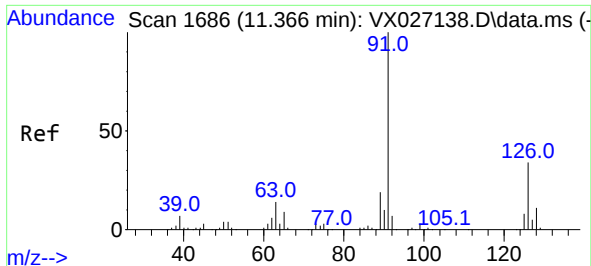
Tgt Ion: 75 Resp: 32929
Ion Ratio Lower Upper
75 100
77 1.2 18.3 54.8#



#78
n-propylbenzene
Concen: 0.298 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Tgt Ion: 91 Resp: 1554
Ion Ratio Lower Upper
91 100
120 21.6 11.6 34.7

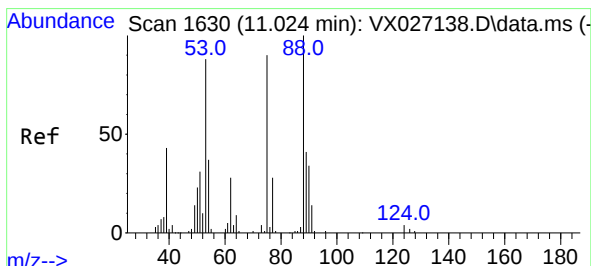
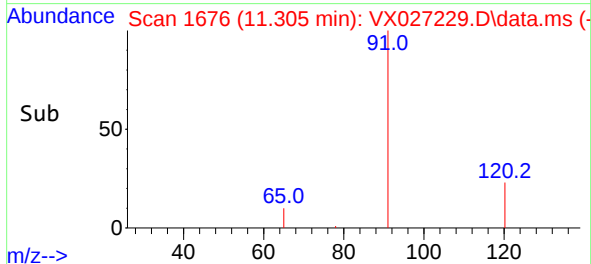
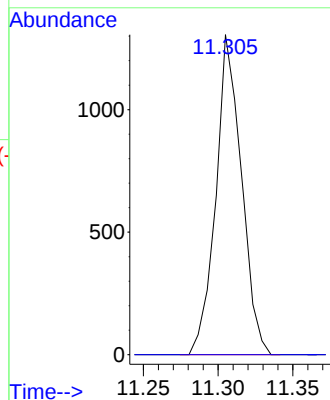
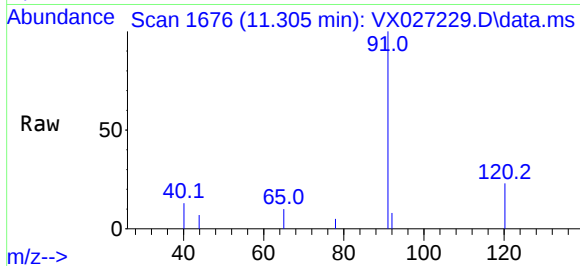




#79
2-Chlorotoluene
Concen: 0.486 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

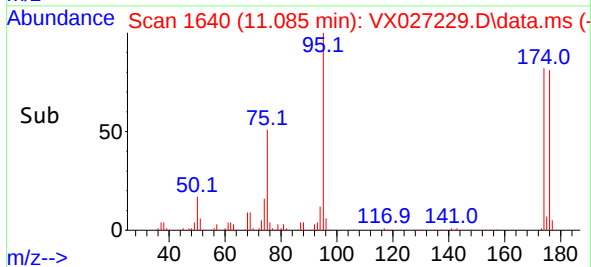
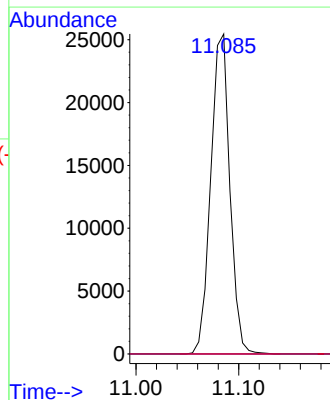
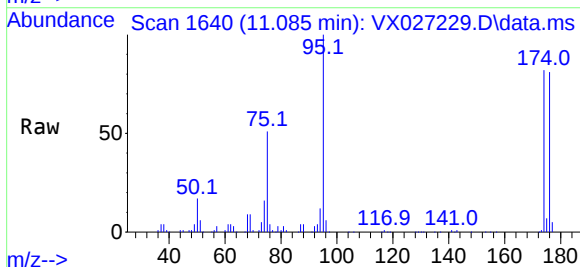
Instrument :
MSVOA_X
ClientSampleId :

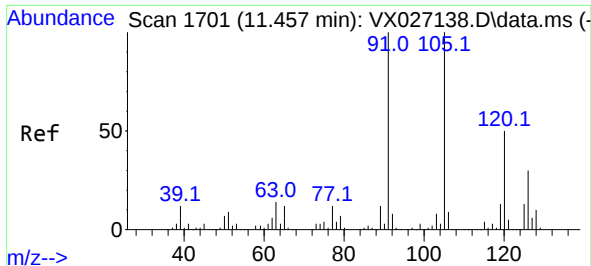
Tgt Ion: 91 Resp: 1554
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.128 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

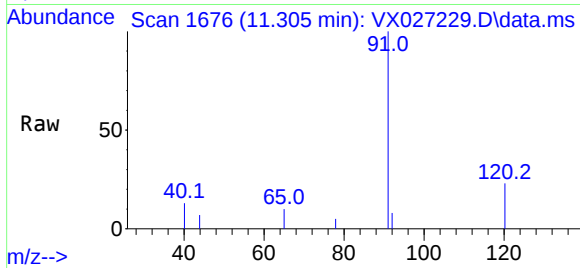
Tgt Ion: 75 Resp: 32929
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



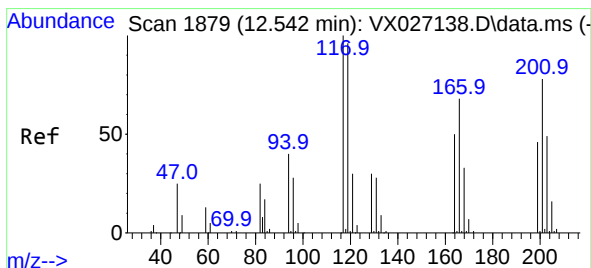
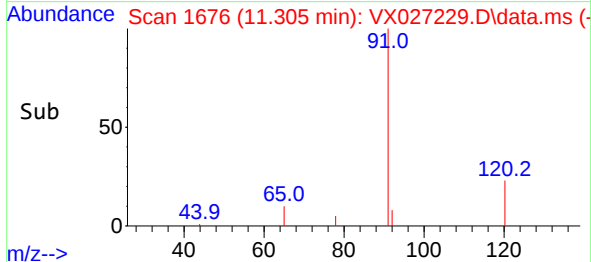
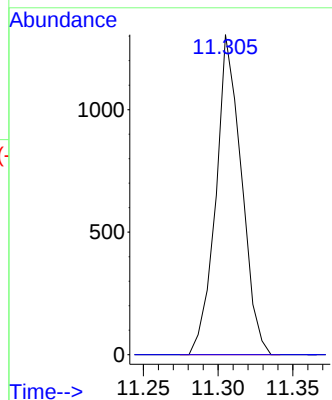


#82
4-Chlorotoluene
Concen: 0.426 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.152 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 91 Resp: 1554
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.4#



#90
Hexachloroethane
Concen: 0.295 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX027229.D
Acq: 28 Feb 2022 18:46

Tgt Ion: 117 Resp: 183
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.8#

