

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072919\
 Data File : VX011169.D
 Acq On : 30 Jul 2019 01:33
 Operator : JC/SP
 Sample : K4026-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0673

Quant Time: Jul 30 07:01:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290451	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131859	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	100098	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	5.50	113	93744	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	8.71	98	352301	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.13	95	126200	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	

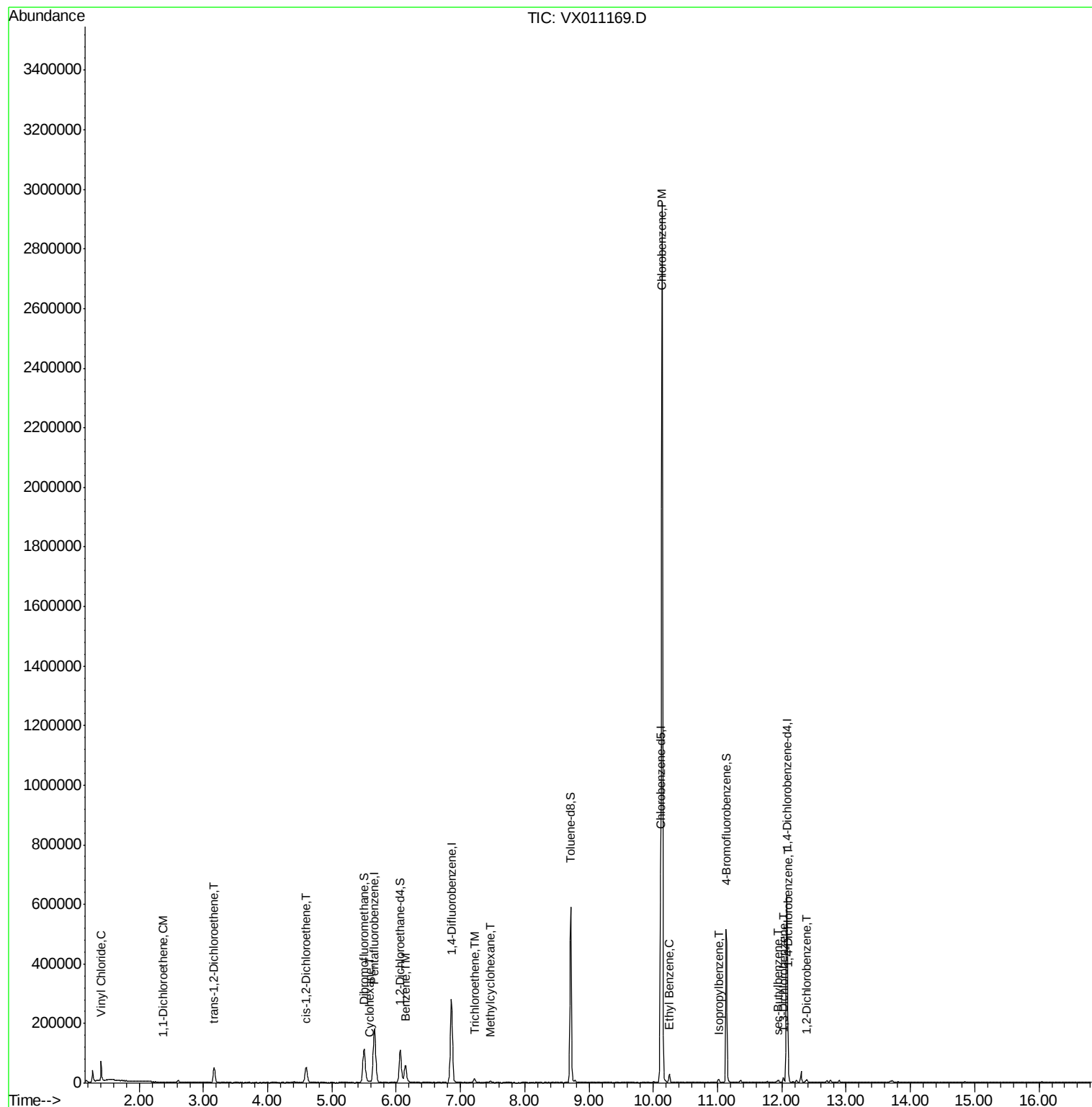
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	41158	24.107	ug/l	99
12) 1,1-Dichloroethene	2.38	96	848	0.523	ug/l #	82
21) trans-1,2-Dichloroethene	3.17	96	22193	12.901	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	35520	17.841	ug/l	89
31) Cyclohexane	5.59	56	2985	1.135	ug/l #	78
39) Methylcyclohexane	7.46	83	1754	0.567	ug/l	96
40) Benzene	6.15	78	69624	9.527	ug/l	100
44) Trichloroethene	7.21	130	5288	2.444	ug/l	99
65) Chlorobenzene	10.14	112	1340188	235.181	ug/l	100
67) Ethyl Benzene	10.25	91	15957	1.645	ug/l	97
73) Isopropylbenzene	11.02	105	5700	0.640	ug/l	97
85) sec-Butylbenzene	11.94	105	3696	0.431	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	5287	1.240	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	44106	10.083	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	2363	0.559	ug/l	98

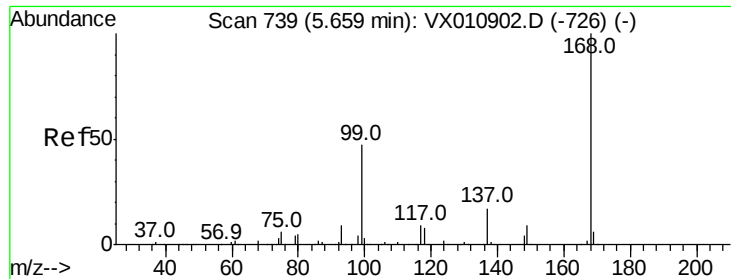
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

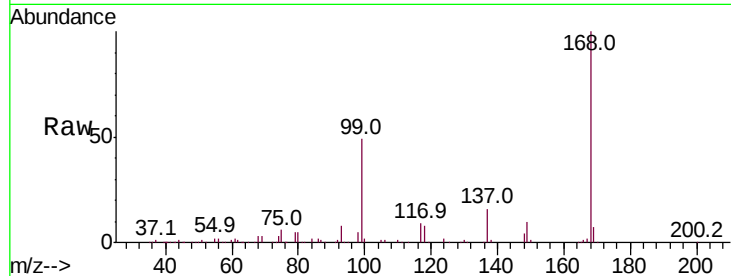
Z3-0673

Tot Ion:168 Resp: 182016

Ion Ratio Lower Upper

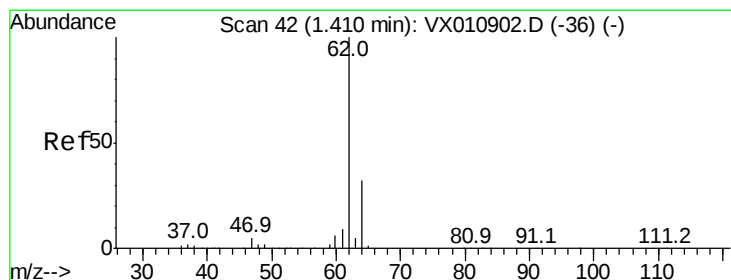
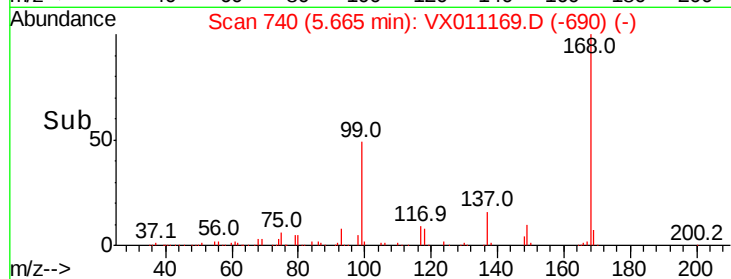
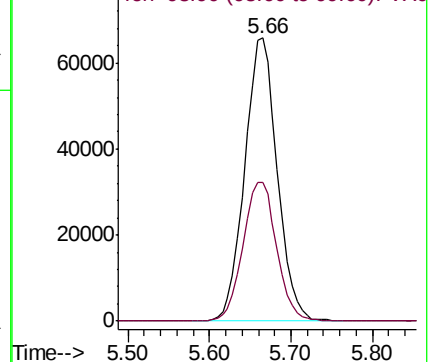
168 100

99 49.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 24.107 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011169.D

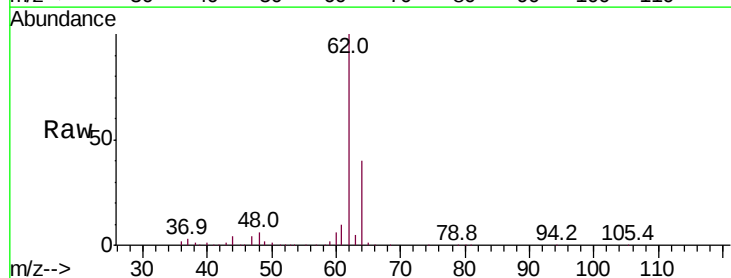
Acq: 30 Jul 2019 01:33

Tgt Ion: 62 Resp: 41158

Ion Ratio Lower Upper

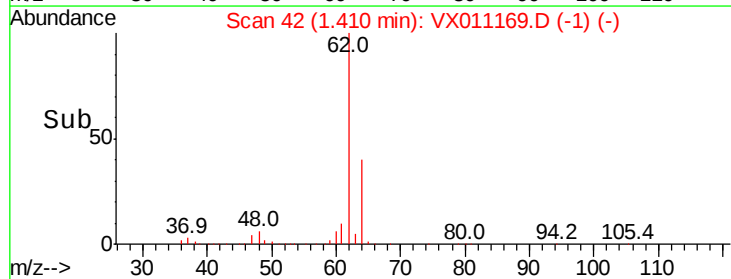
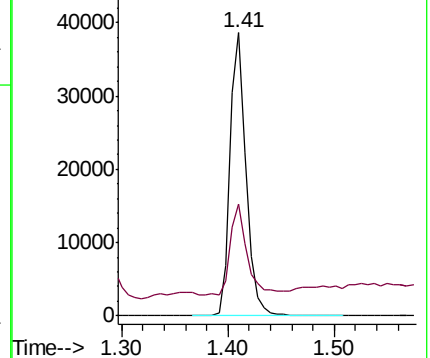
62 100

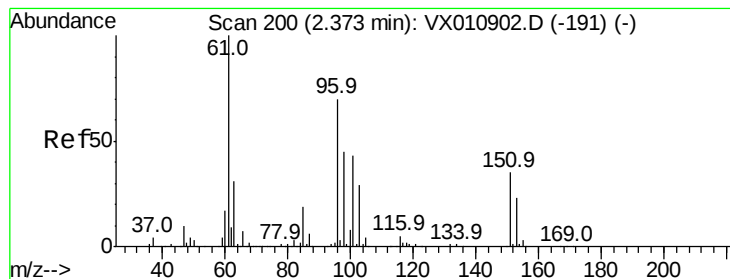
64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 0.523 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

Z3-0673

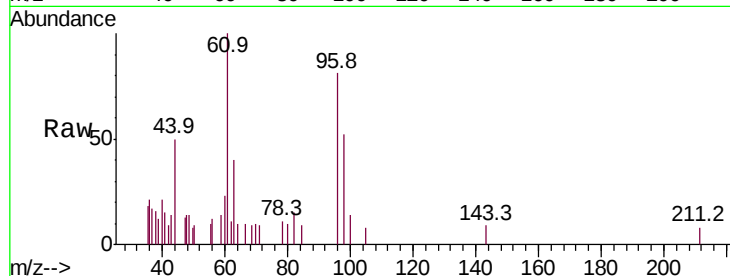
Tot Ion: 96 Resp: 848

Ion Ratio Lower Upper

96 100

61 112.0 115.0 172.4#

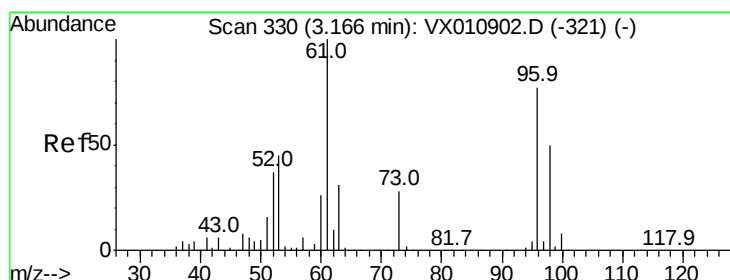
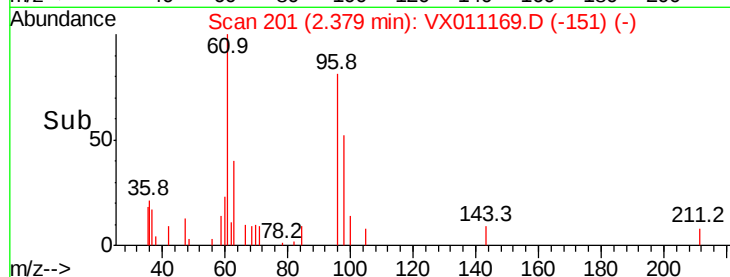
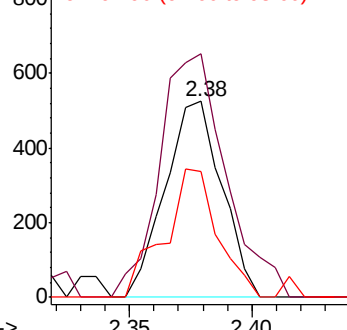
98 64.2 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 12.901 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

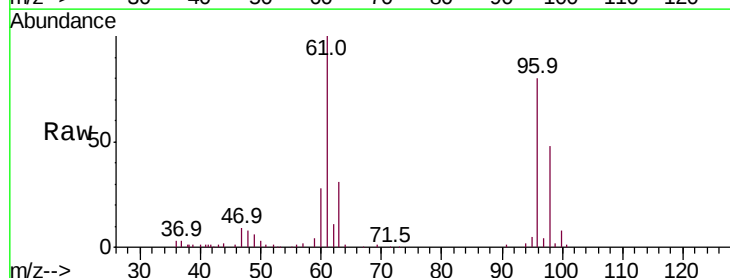
Tgt Ion: 96 Resp: 22193

Ion Ratio Lower Upper

96 100

61 124.8 104.2 156.2

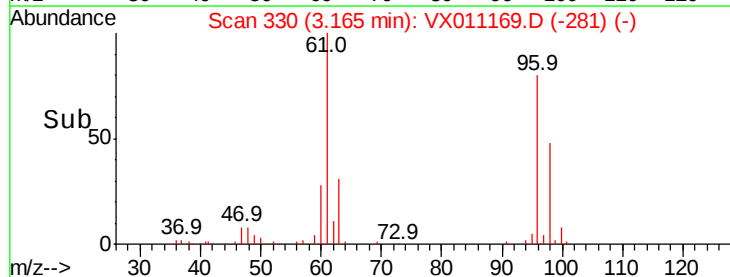
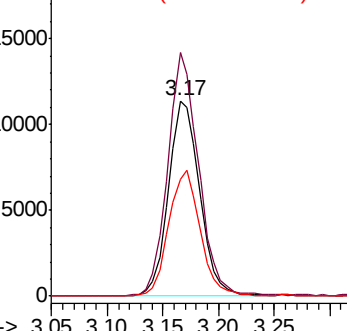
98 60.1 52.2 78.4

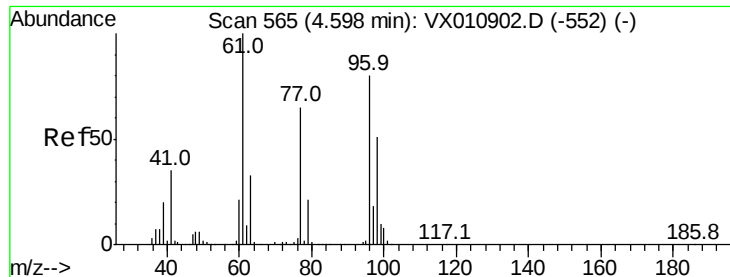


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



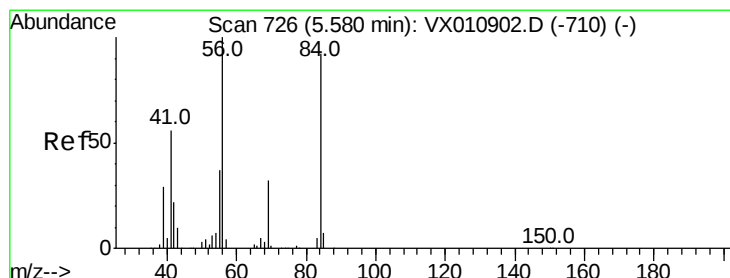
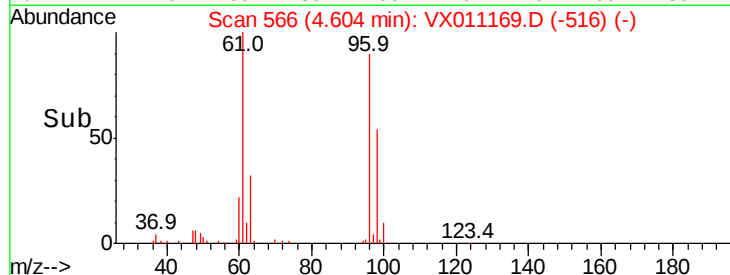
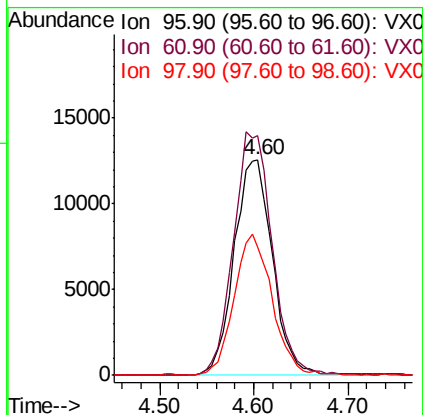
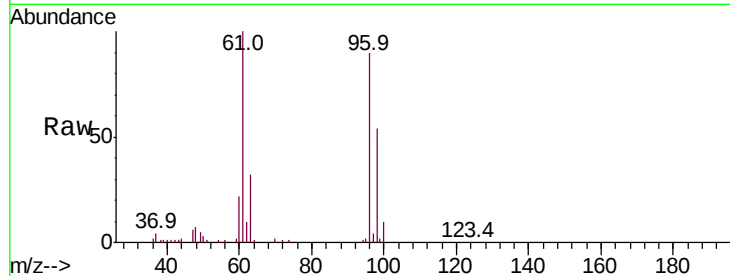


#27

cis-1,2-Dichloroethene
Concen: 17.841 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX011169.D
Acq: 30 Jul 2019 01:33

Instrument :
MSVOA_X
ClientSampleId :
Z3-0673

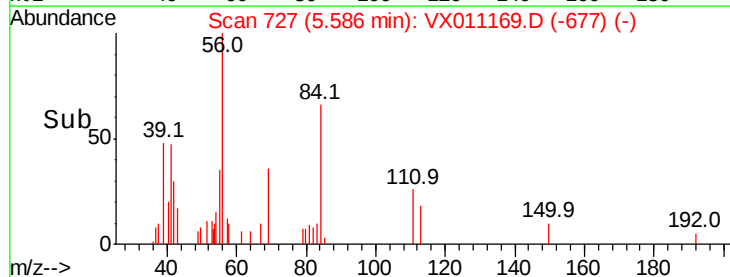
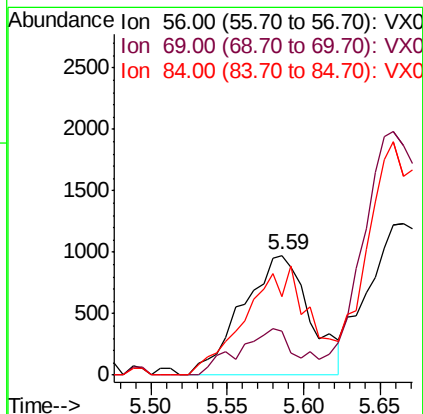
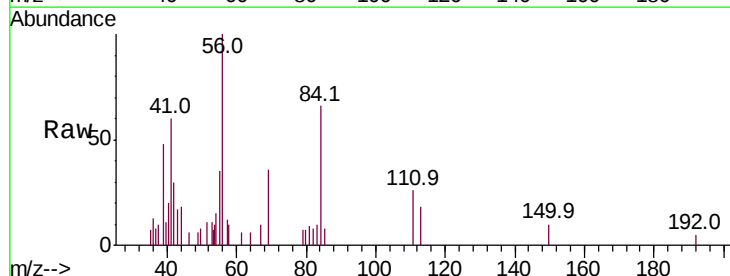
Tot Ion: 96 Resp: 35520
Ion Ratio Lower Upper
96 100
61 115.2 0.0 269.0
98 65.0 0.0 131.4

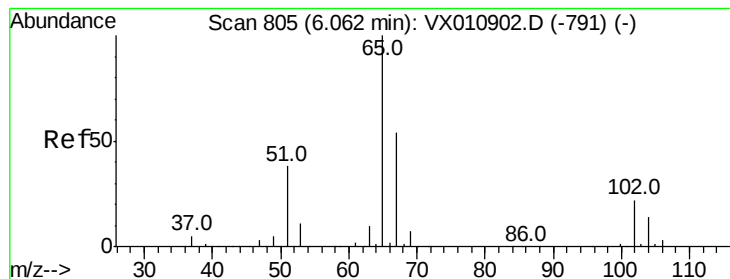


#31

Cyclohexane
Concen: 1.135 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX011169.D
Acq: 30 Jul 2019 01:33

Tgt Ion: 56 Resp: 2985
Ion Ratio Lower Upper
56 100
69 36.2 25.8 38.8
84 65.6 73.8 110.6#





#33

1,2-Dichloroethane-d4

Concen: 51.694 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

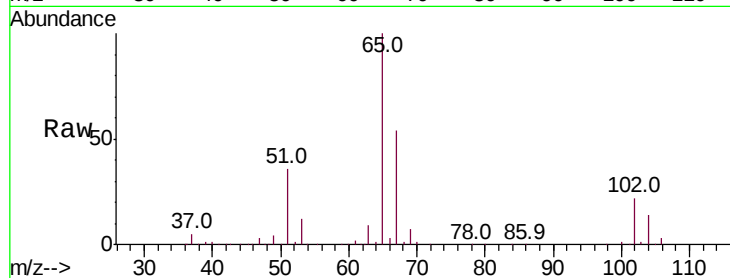
Z3-0673

Tot Ion: 65 Resp: 100098

Ion Ratio Lower Upper

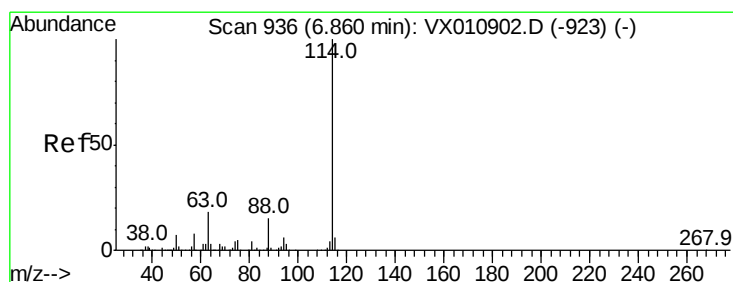
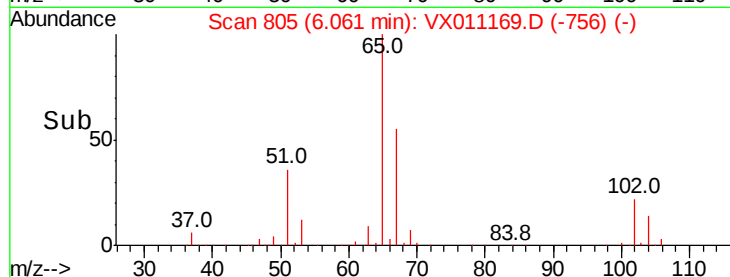
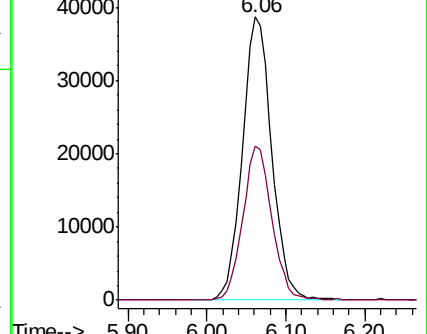
65 100

67 53.9 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

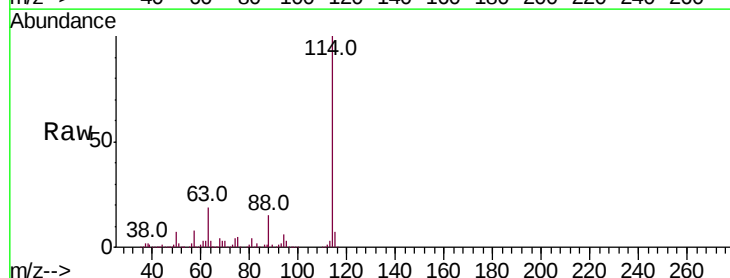
Tgt Ion:114 Resp: 290451

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

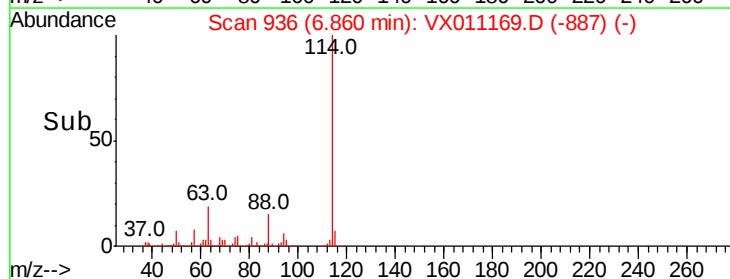
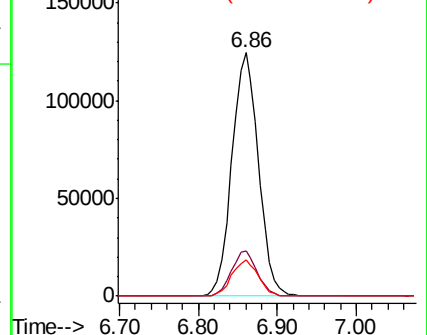
88 14.7 0.0 29.8

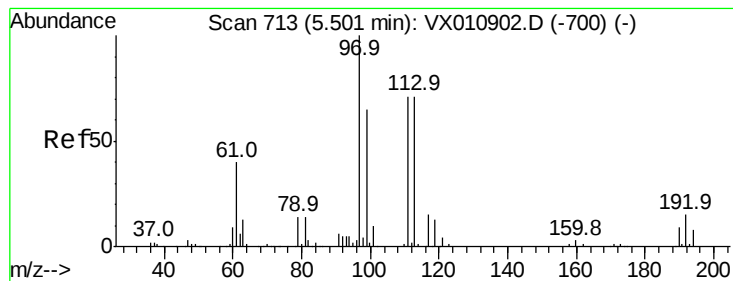


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.850 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

Z3-0673

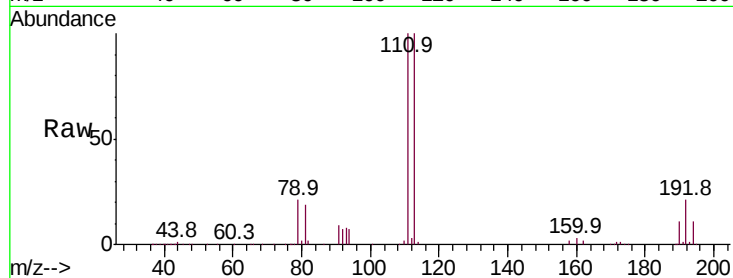
Tot Ion:113 Resp: 93744

Ion Ratio Lower Upper

113 100

111 101.0 82.3 123.5

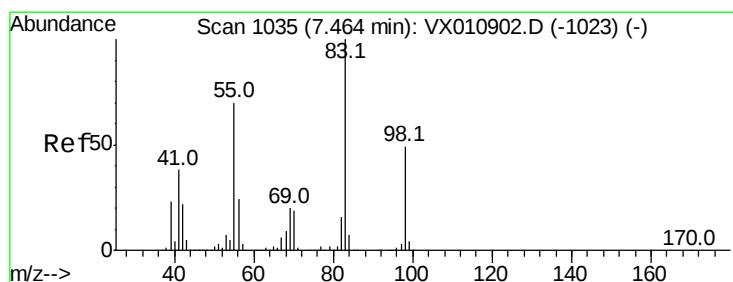
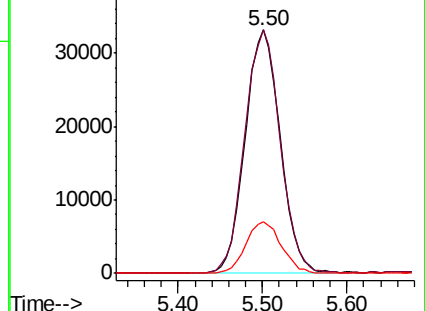
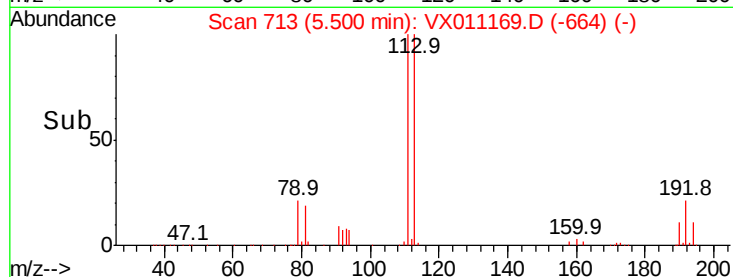
192 21.5 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 0.567 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

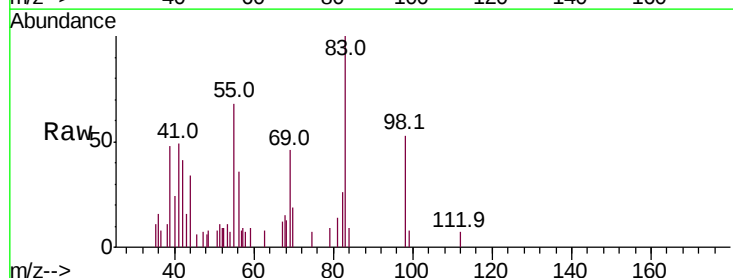
Tgt Ion: 83 Resp: 1754

Ion Ratio Lower Upper

83 100

55 67.7 56.2 84.4

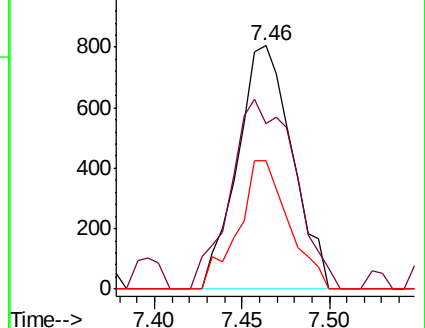
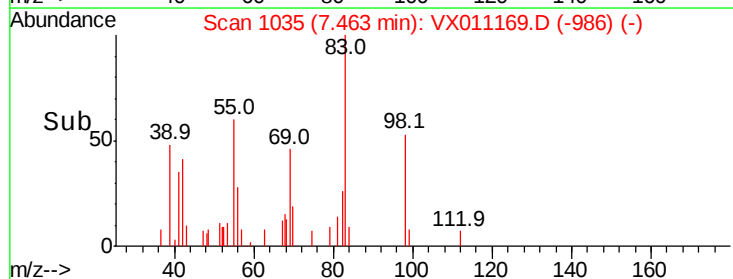
98 53.0 39.0 58.4

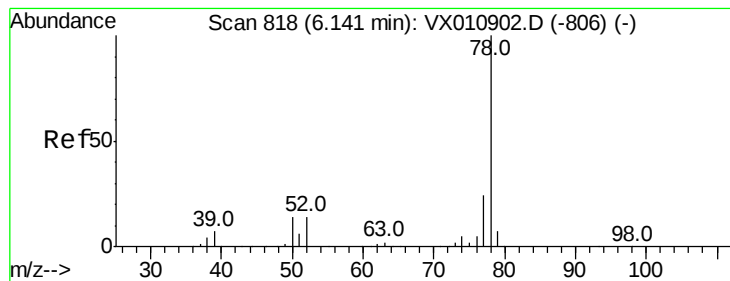


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 9.527 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

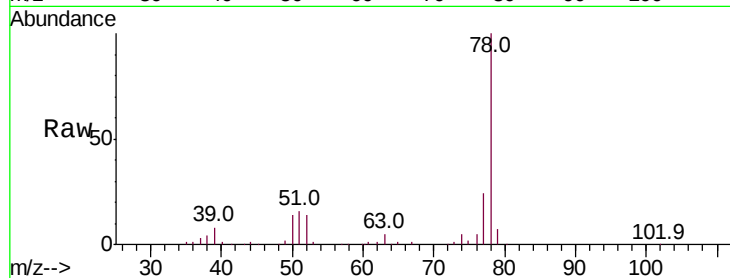
Z3-0673

Tot Ion: 78 Resp: 69624

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

30000

25000

20000

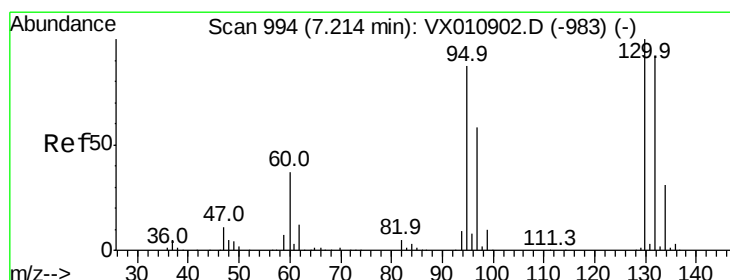
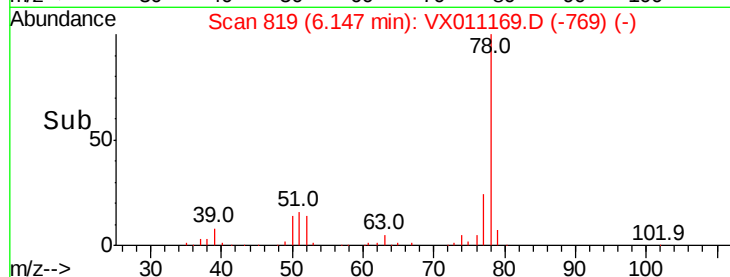
15000

10000

5000

0

Time--> 6.00 6.10 6.20 6.30



#44

Trichloroethene

Concen: 2.444 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX011169.D

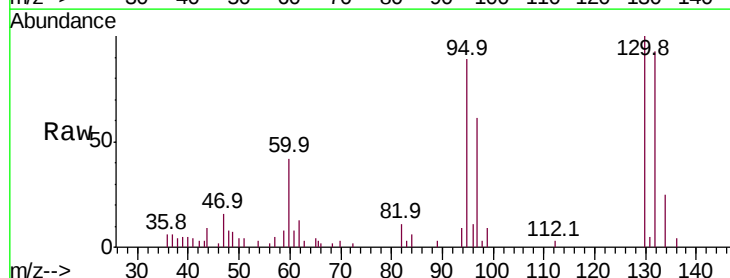
Acq: 30 Jul 2019 01:33

Tgt Ion:130 Resp: 5288

Ion Ratio Lower Upper

130 100

95 88.6 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

2500

2000

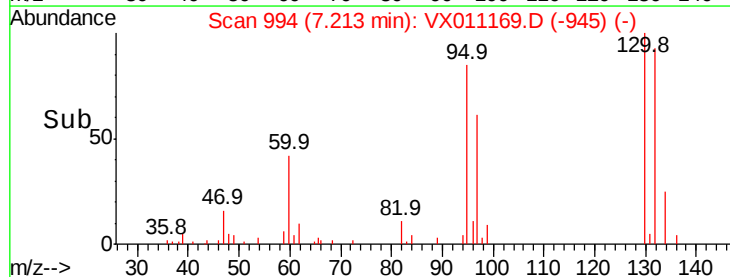
1500

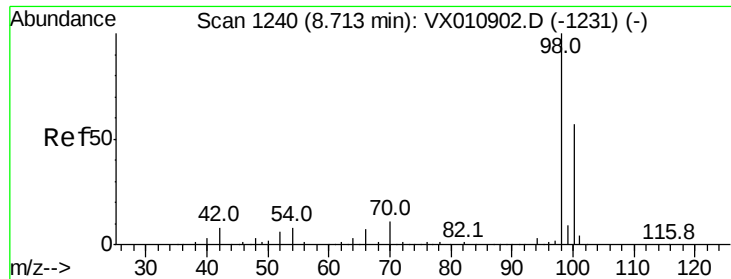
1000

500

0

Time--> 7.15 7.20 7.25 7.30





#50

Toluene-d8

Concen: 50.951 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampled :

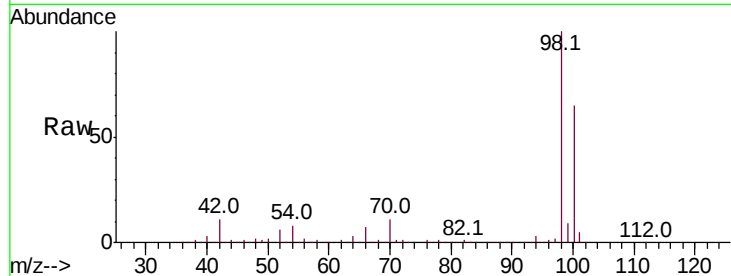
Z3-0673

Tot Ion: 98 Resp: 352301

Ion Ratio Lower Upper

98 100

100 64.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

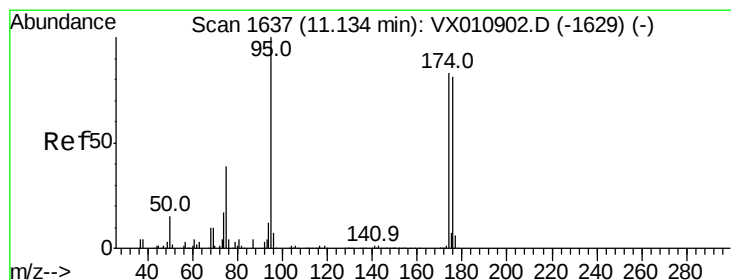
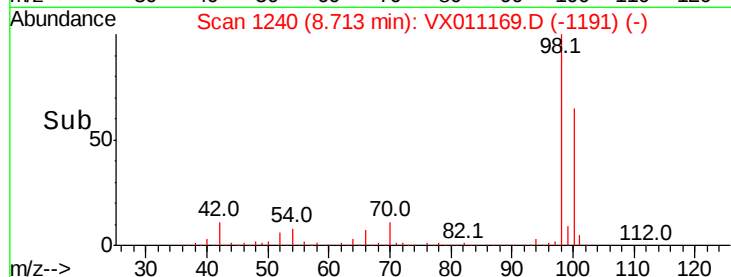
100000

50000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 49.655 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

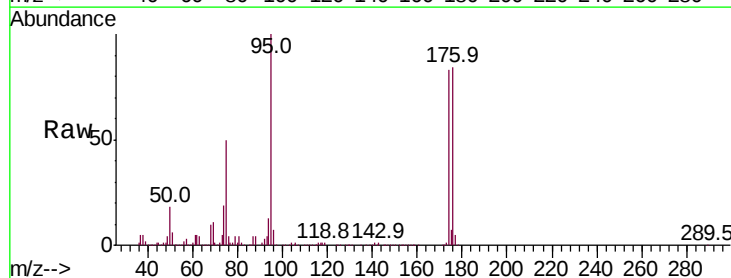
Tgt Ion: 95 Resp: 126200

Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.6

176 88.8 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

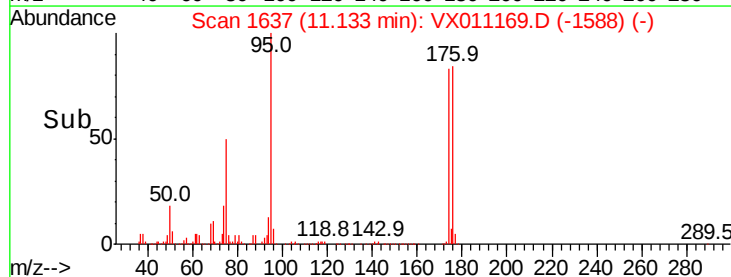
100000

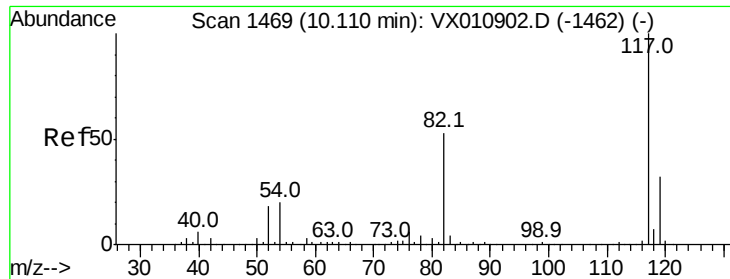
50000

0

Time-->

11.10 11.20

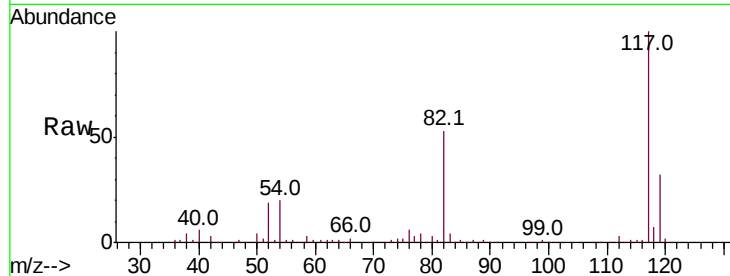




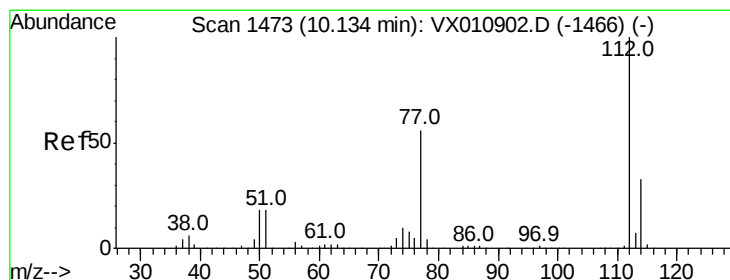
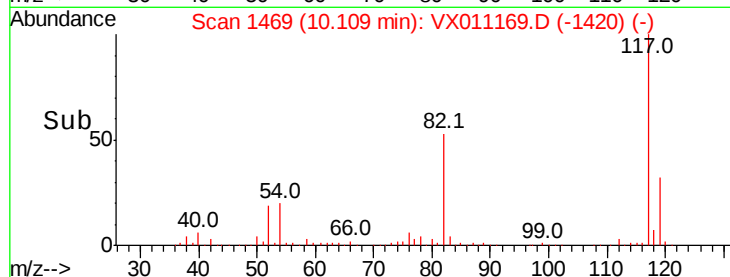
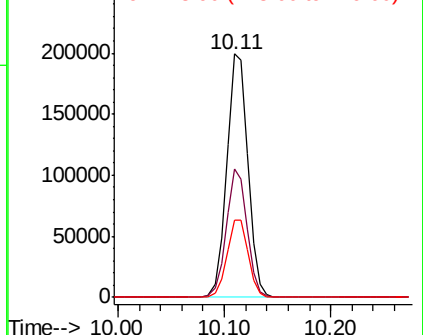
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011169.D
Acq: 30 Jul 2019 01:33

Instrument :
MSVOA_X
ClientSampled :
Z3-0673

Tot Ion:117 Resp: 277448
Ion Ratio Lower Upper
117 100
82 52.8 42.6 63.8
119 31.9 25.9 38.9

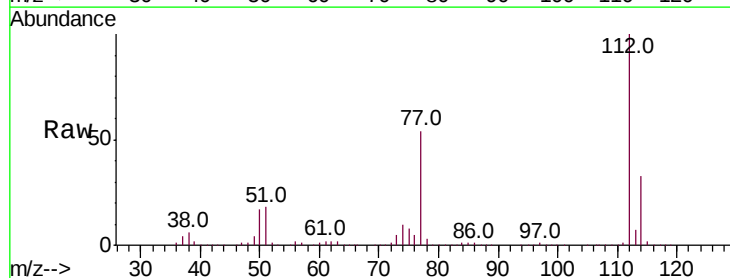


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

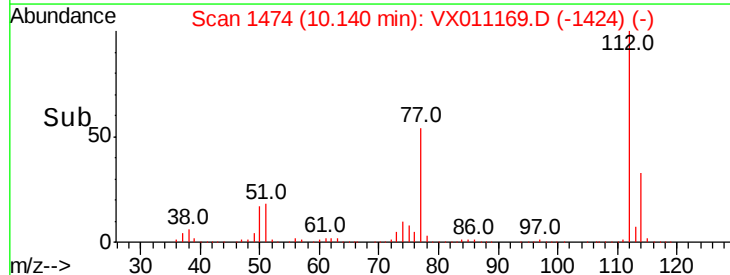
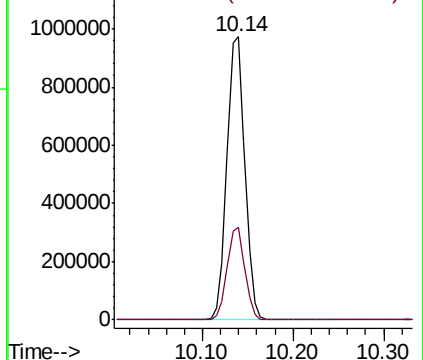


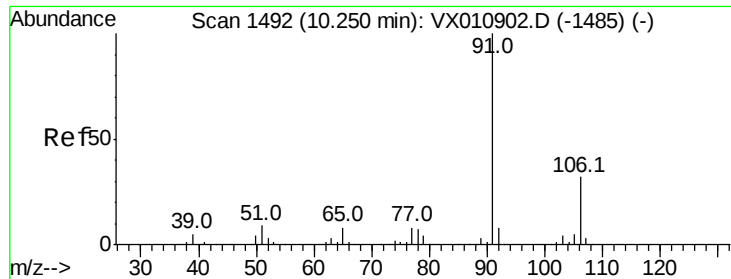
#65
Chlorobenzene
Concen: 235.181 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX011169.D
Acq: 30 Jul 2019 01:33

Tgt Ion:112 Resp: 1340188
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

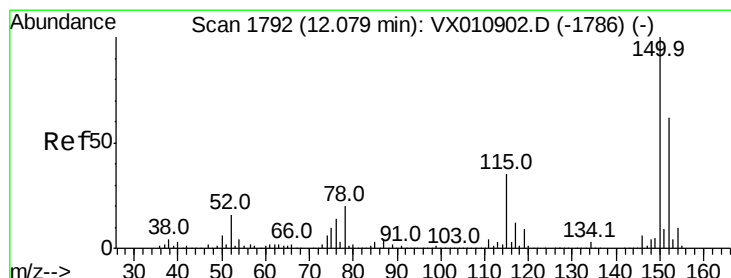
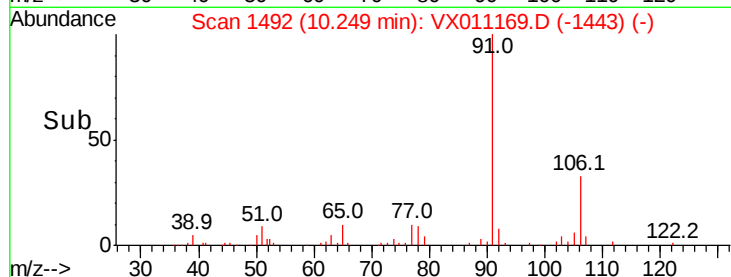
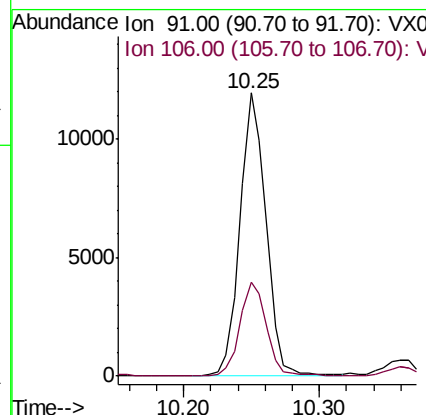
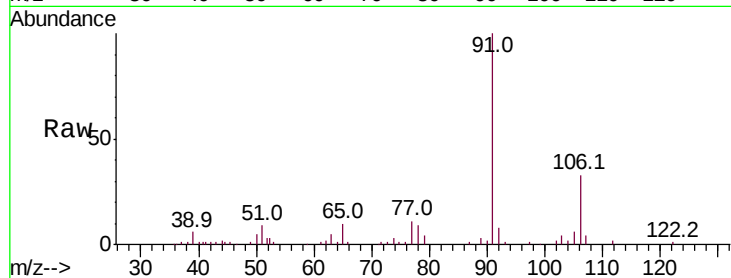




#67
Ethyl Benzene
Concen: 1.645 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011169.D
Acq: 30 Jul 2019 01:33

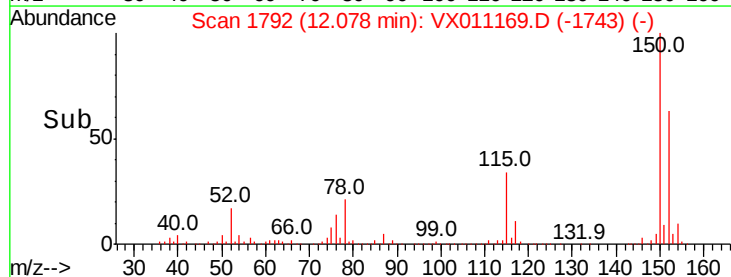
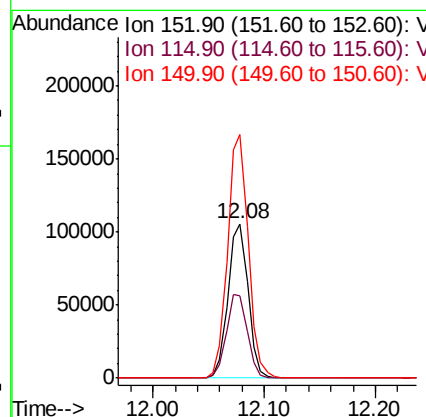
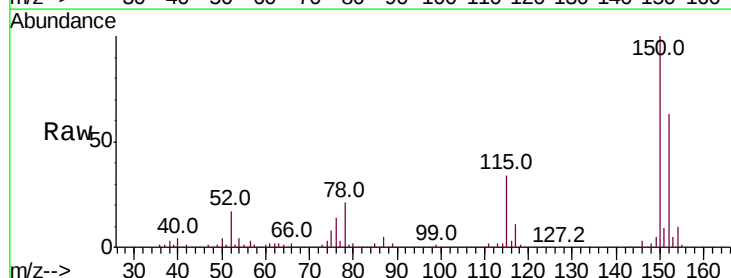
Instrument :
MSVOA_X
ClientSampled :
Z3-0673

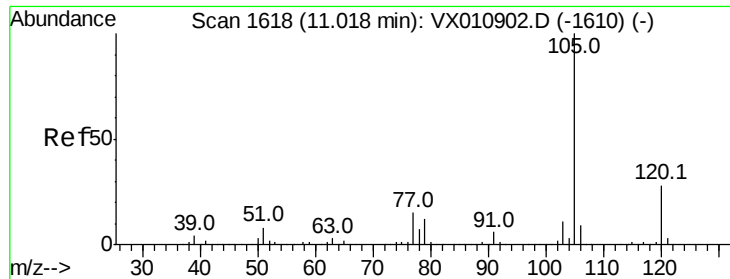
Tot Ion: 91 Resp: 15957
Ion Ratio Lower Upper
91 100
106 33.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011169.D
Acq: 30 Jul 2019 01:33

Tgt Ion: 152 Resp: 131859
Ion Ratio Lower Upper
152 100
115 55.9 39.7 119.1
150 162.5 0.0 345.6





#73

Isopropylbenzene

Concen: 0.640 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

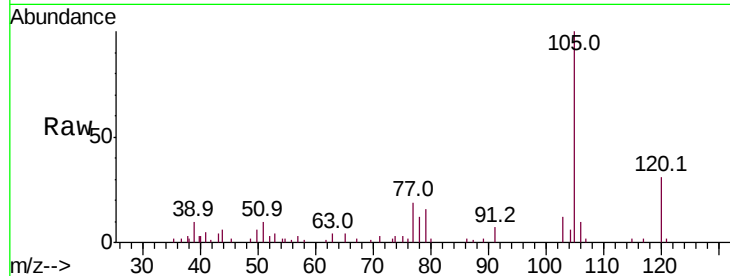
Z3-0673

Tot Ion:105 Resp: 5700

Ion Ratio Lower Upper

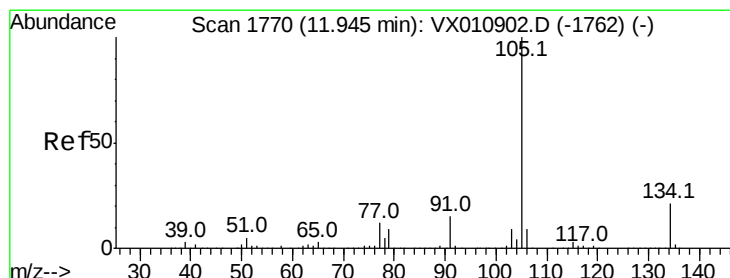
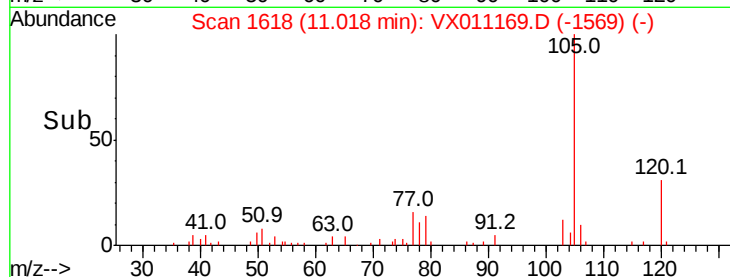
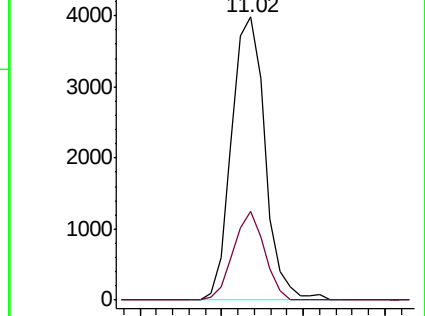
105 100

120 29.2 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.431 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011169.D

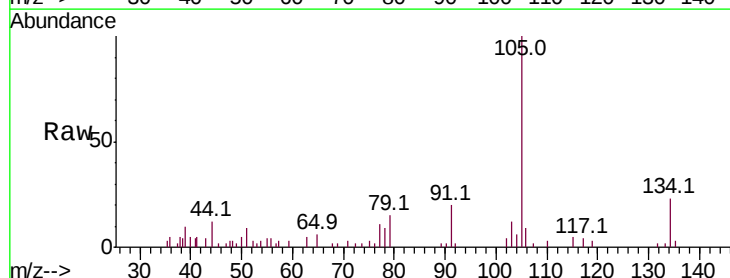
Acq: 30 Jul 2019 01:33

Tgt Ion:105 Resp: 3696

Ion Ratio Lower Upper

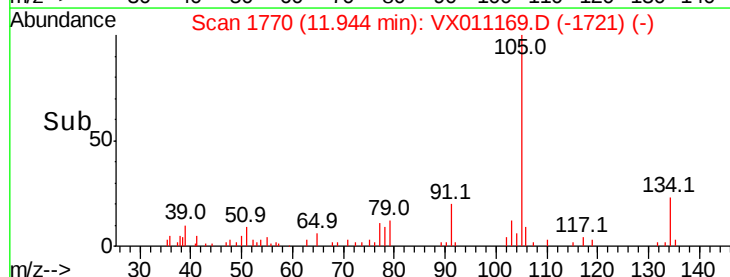
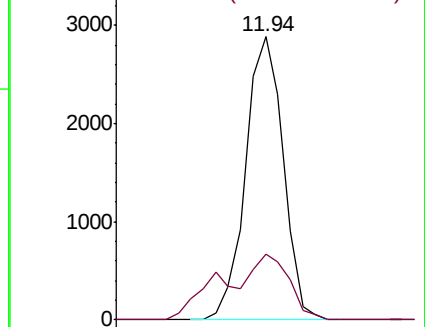
105 100

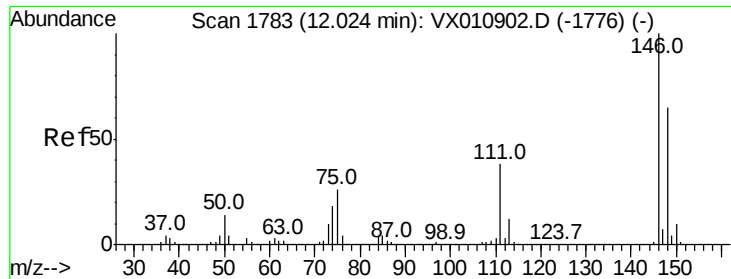
134 23.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#87

1,3-Dichlorobenzene

Concen: 1.240 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Instrument :

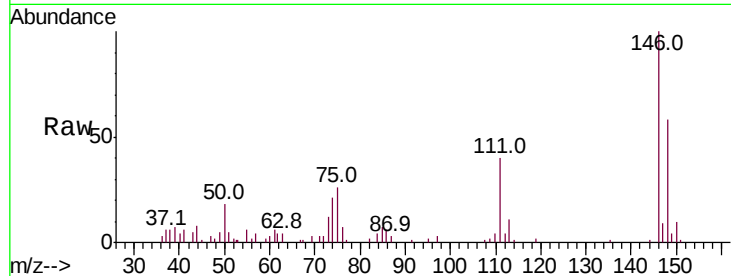
MSVOA_X

ClientSampleId :

Z3-0673

Tot Ion:146 Resp: 5287

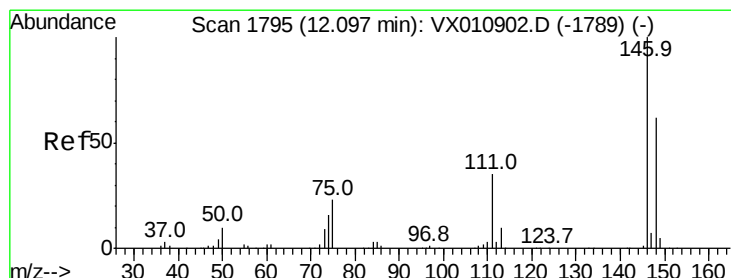
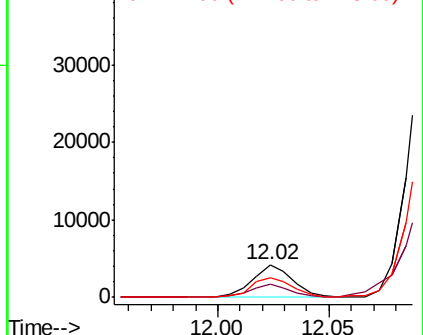
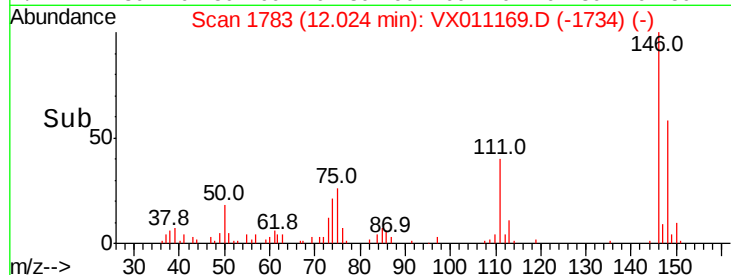
Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.9	56.9
148	61.4	32.2	96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.083 ug/l

RT: 12.10 min Scan# 1795

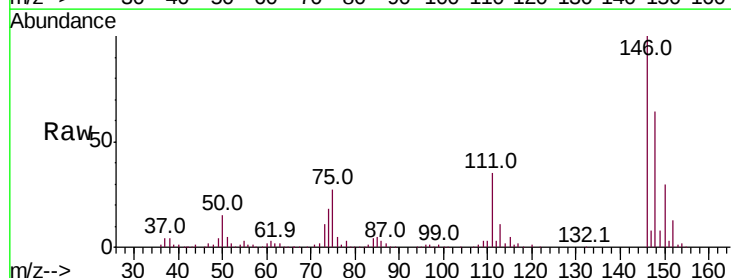
Delta R.T. -0.00 min

Lab File: VX011169.D

Acq: 30 Jul 2019 01:33

Tgt Ion:146 Resp: 44106

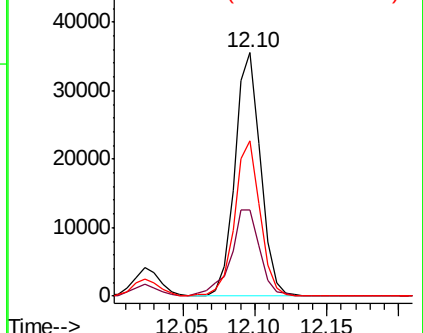
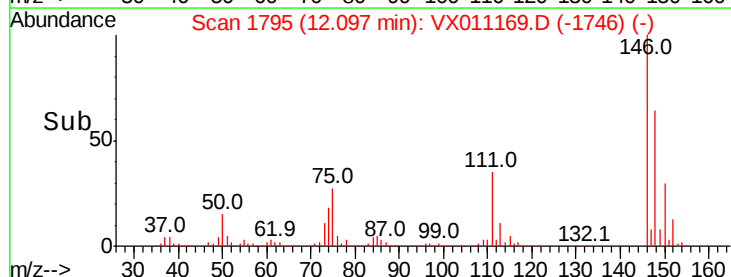
Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.6	55.8
148	63.6	31.6	94.7

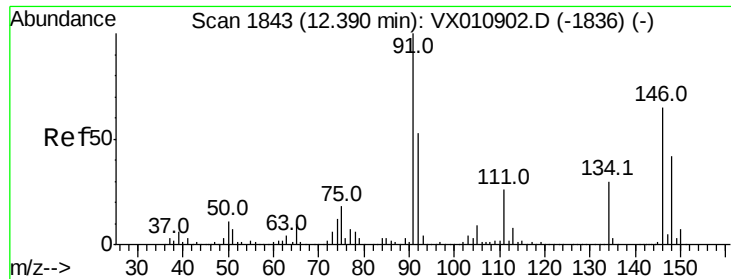


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

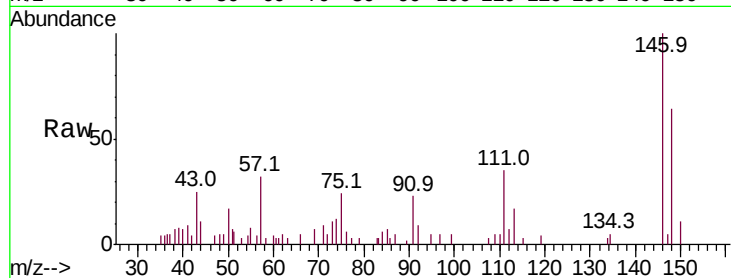




#91
 1,2-Dichlorobenzene
 Concen: 0.559 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011169.D
 Acq: 30 Jul 2019 01:33

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0673

Tot Ion:146 Resp: 2363
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.9 59.7
 148 62.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

