

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX009979.D
 Acq On : 31 May 2019 12:24
 Operator : JC/SP
 Sample : K2964-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

Quant Time: May 31 12:54:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282569	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124000	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	119860	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
35) Dibromofluoromethane	5.50	113	86936	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	363536	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.13	95	128950	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	

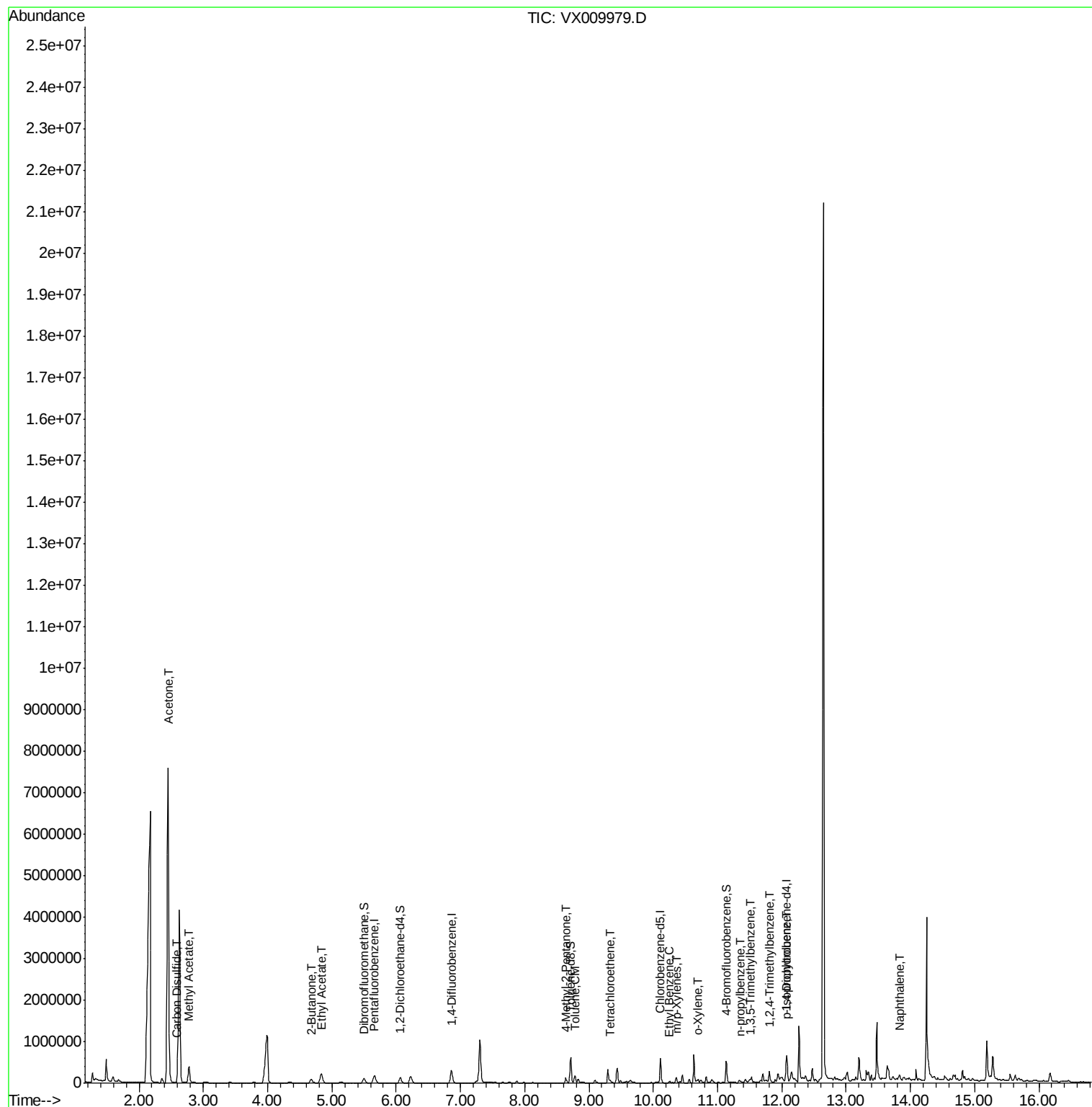
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	8368495	5817.622	ug/l	94
17) Carbon Disulfide	2.57	76	17624	3.620	ug/l	99
18) Methyl Acetate	2.78	43	481630	143.894	ug/l	98
25) 2-Butanone	4.68	43	152650	68.113	ug/l	99
37) Ethyl Acetate	4.83	43	415645	104.047	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	85186	20.316	ug/l	99
52) Toluene	8.78	92	38261	7.409	ug/l	98
64) Tetrachloroethene	9.34	164	6921	3.786	ug/l	96
67) Ethyl Benzene	10.25	91	18044	1.834	ug/l	99
68) m/p-Xylenes	10.35	106	23906	6.578	ug/l	99
69) o-Xylene	10.69	106	12473	3.579	ug/l	96
78) n-propylbenzene	11.36	91	10720	1.017	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	27727	3.597	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	92944	11.874	ug/l	97
86) p-Isopropyltoluene	12.06	119	45018	5.705	ug/l	99
95) Naphthalene	13.83	128	79017	8.682	ug/l	99

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

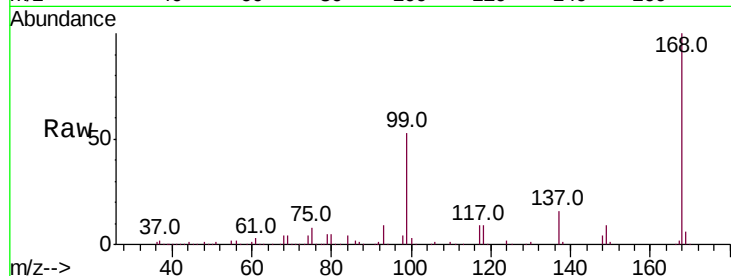
COMP-2

Tot Ion:168 Resp: 176249

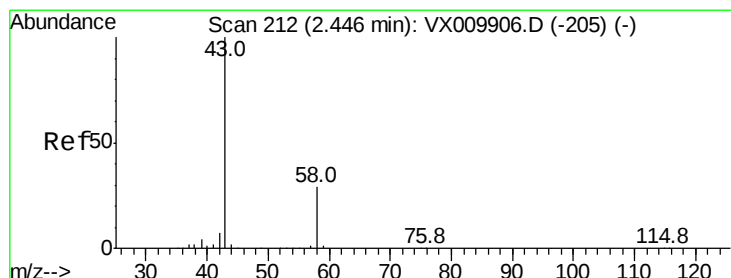
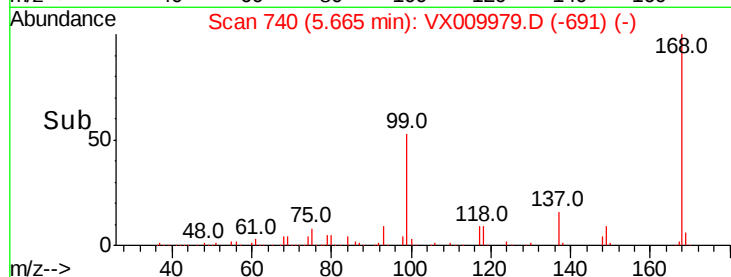
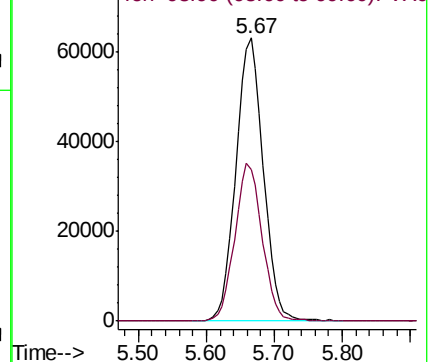
Ion Ratio Lower Upper

168 100

99 53.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): VX009979.D (-691) (-)



#16

Acetone

Concen: 5817.622 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009979.D

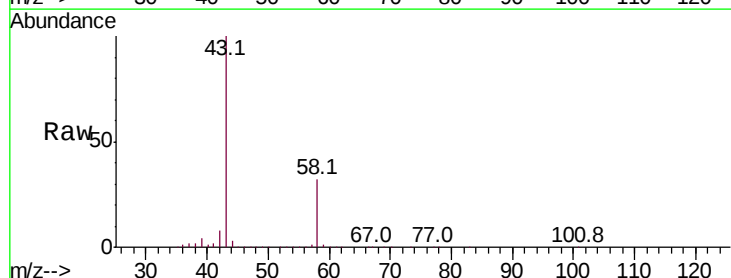
Acq: 31 May 2019 12:24

Tgt Ion: 43 Resp: 8368495

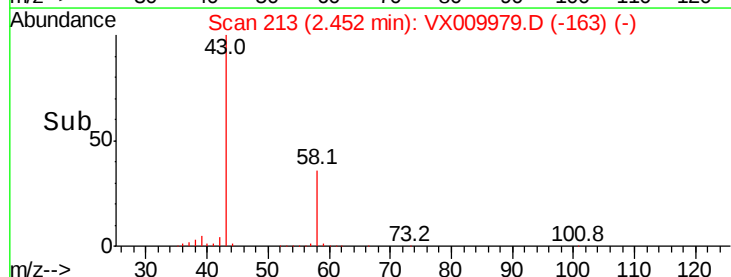
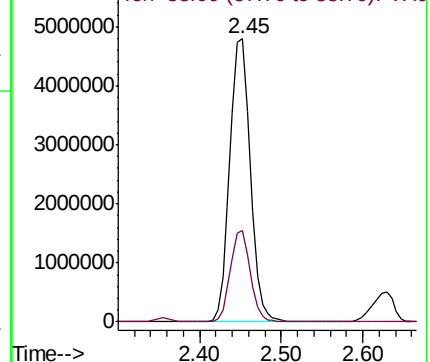
Ion Ratio Lower Upper

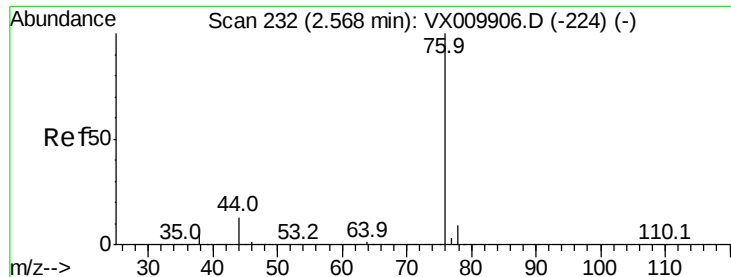
43 100

58 32.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX009979.D (-163) (-)

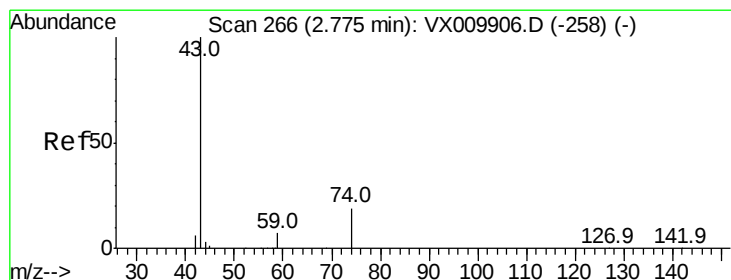
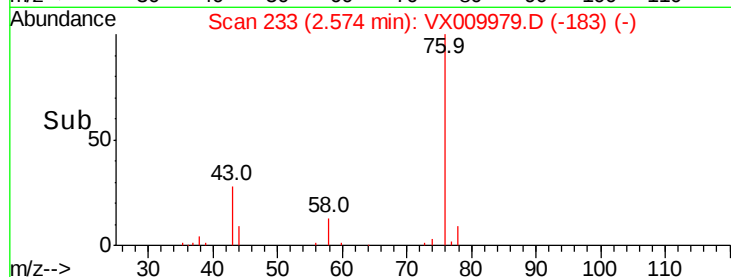
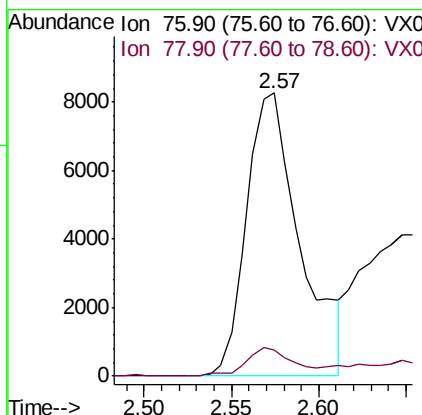
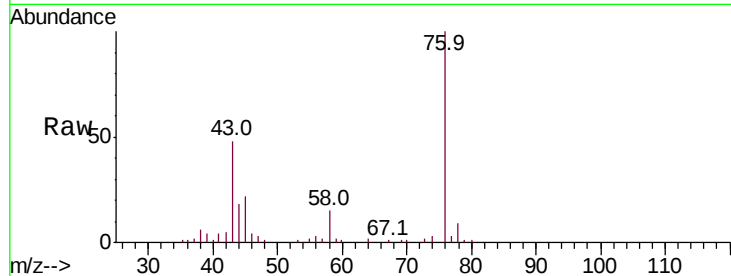




#17
Carbon Disulfide
Concen: 3.620 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX009979.D
Acq: 31 May 2019 12:24

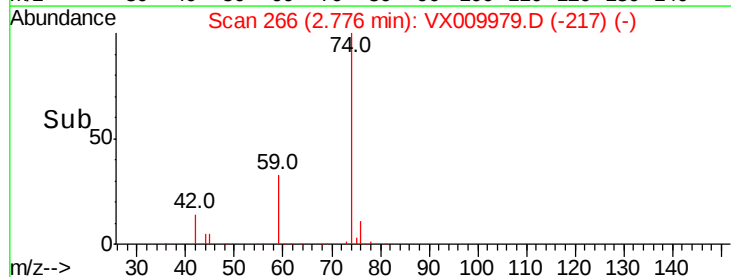
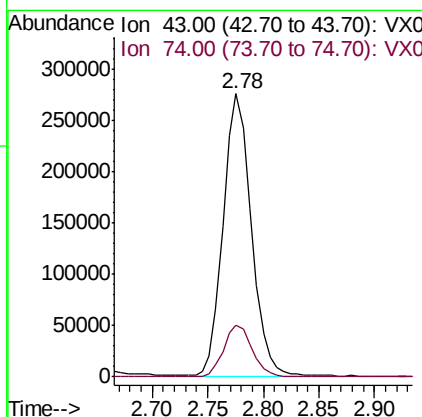
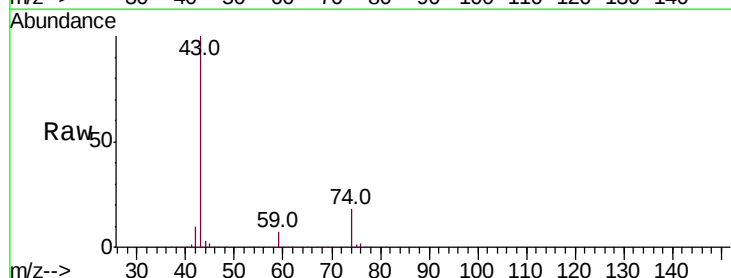
Instrument :
MSVOA_X
ClientSampled :
COMP-2

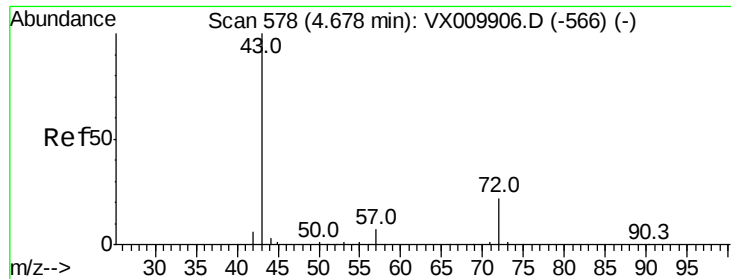
Tot Ion: 76 Resp: 17624
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 143.894 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009979.D
Acq: 31 May 2019 12:24

Tgt Ion: 43 Resp: 481630
Ion Ratio Lower Upper
43 100
74 18.8 15.8 23.6





#25

2-Butanone

Concen: 68.113 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

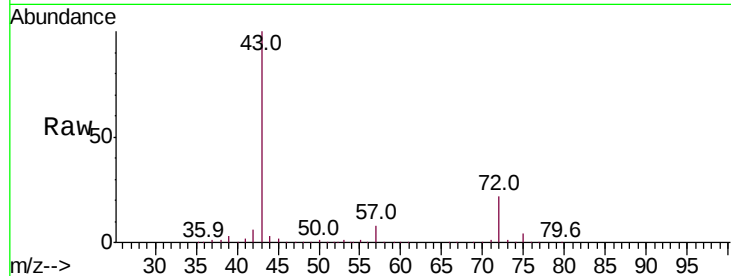
COMP-2

Tot Ion: 43 Resp: 152650

Ion Ratio Lower Upper

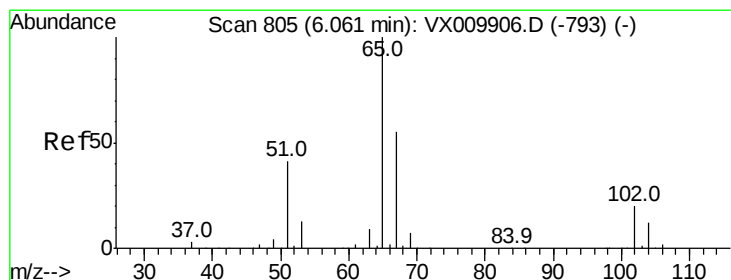
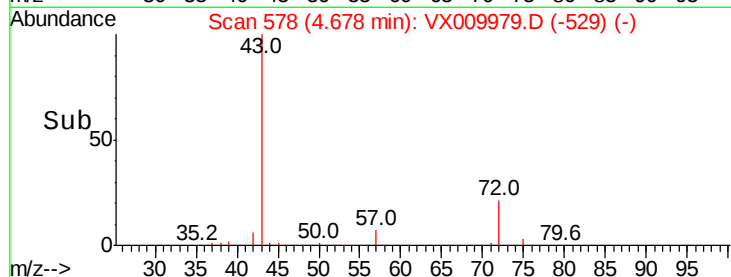
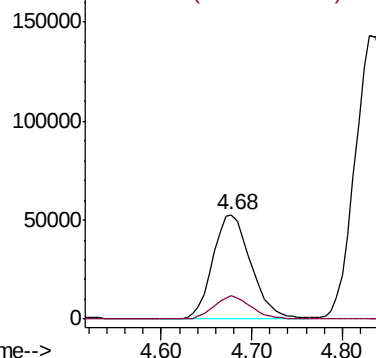
43 100

72 22.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.143 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009979.D

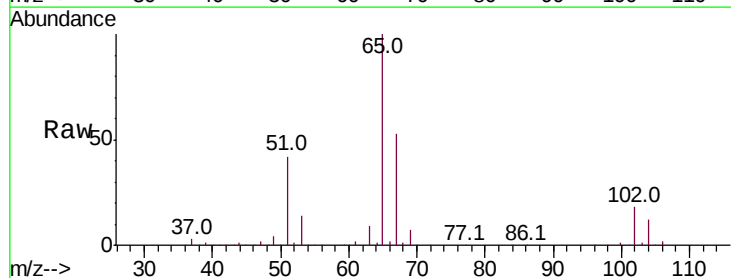
Acq: 31 May 2019 12:24

Tgt Ion: 65 Resp: 119860

Ion Ratio Lower Upper

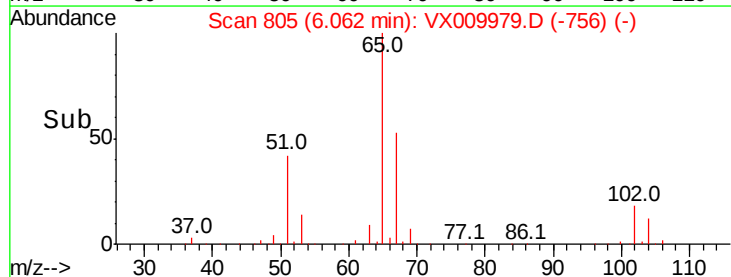
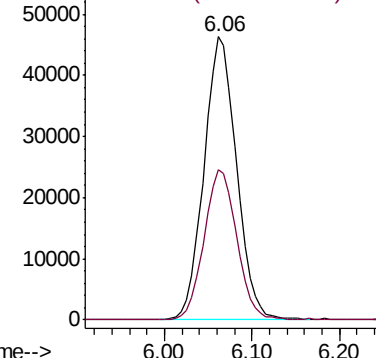
65 100

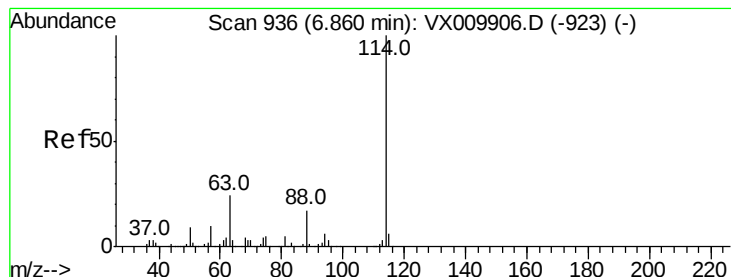
67 53.4 0.0 108.4



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: VX009979.D

Acq: 31 May 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

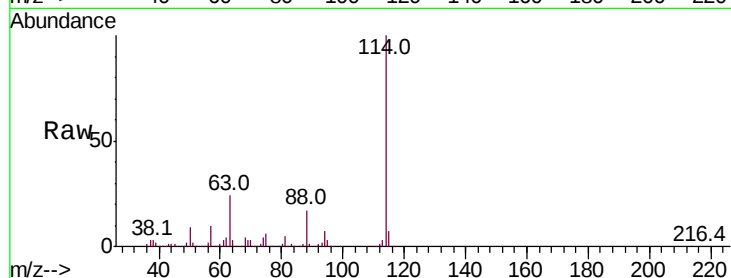
Tot Ion:114 Resp: 282569

Ion Ratio Lower Upper

114 100

63 23.7 0.0 47.4

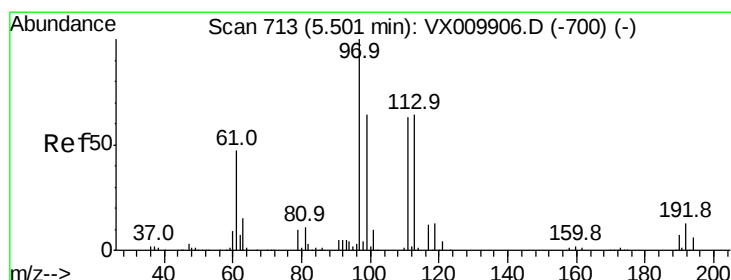
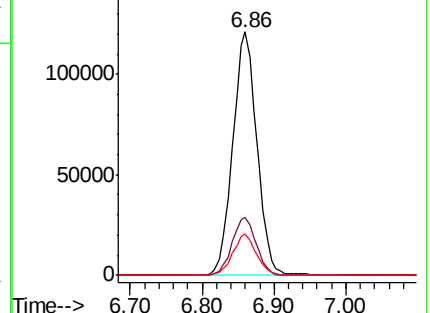
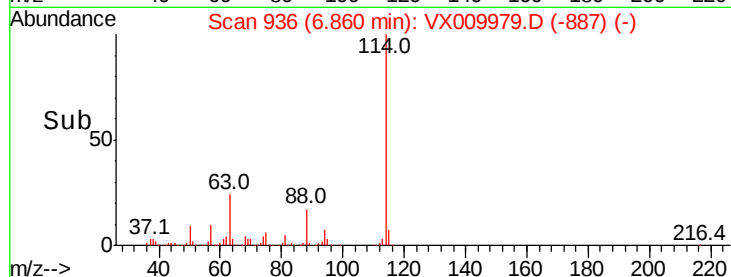
88 16.8 0.0 33.0



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: 48.936 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

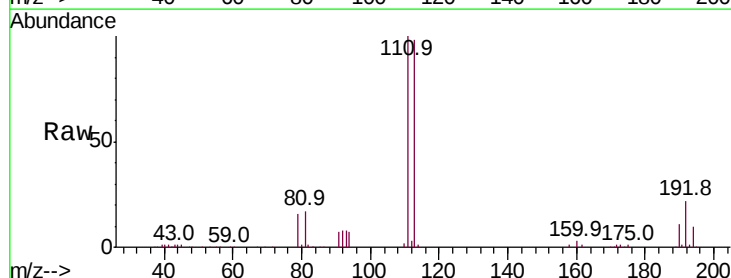
Tgt Ion:113 Resp: 86936

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

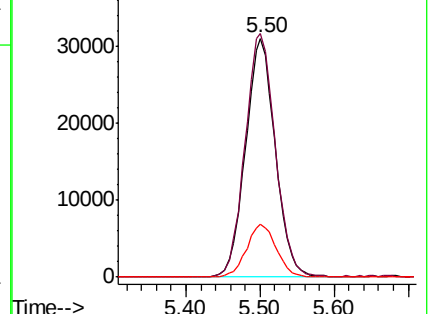
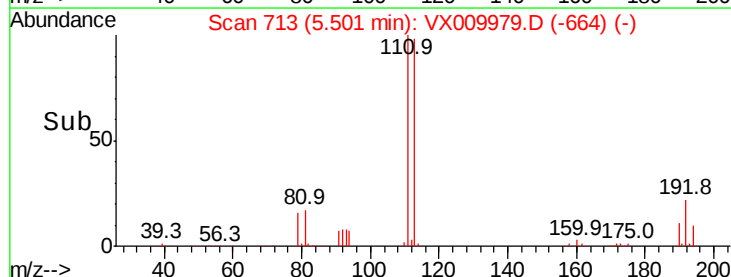
192 22.0 17.1 25.7

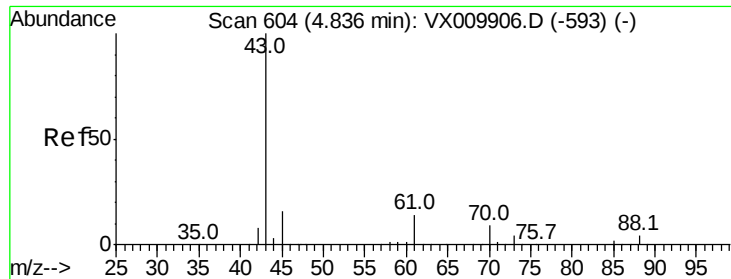


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

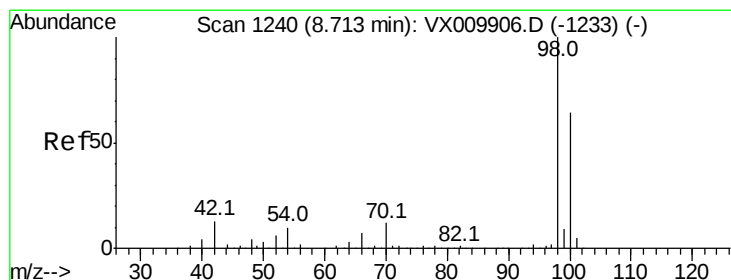
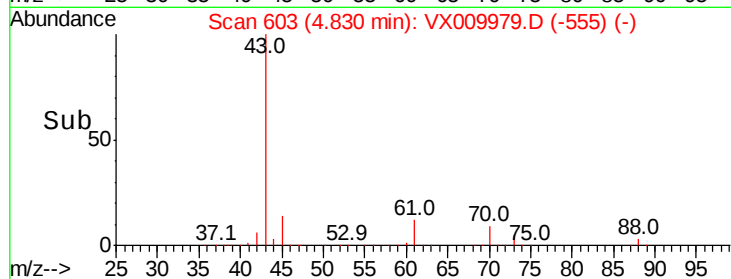
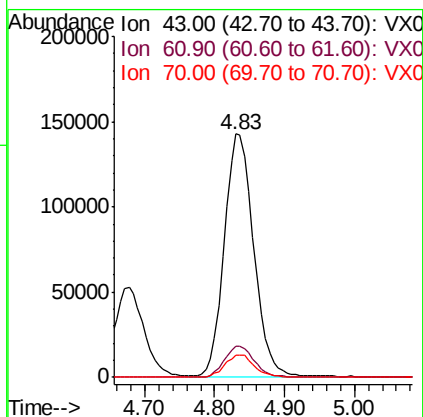
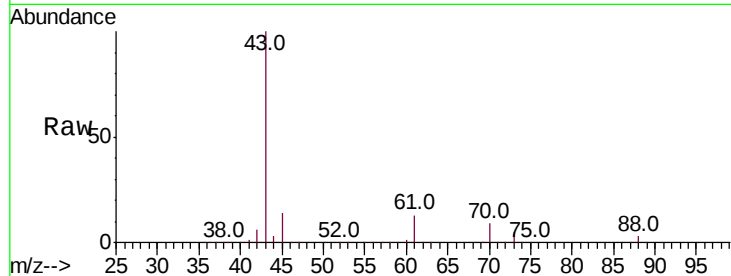




#37
Ethyl Acetate
Concen: 104.047 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009979.D
Acq: 31 May 2019 12:24

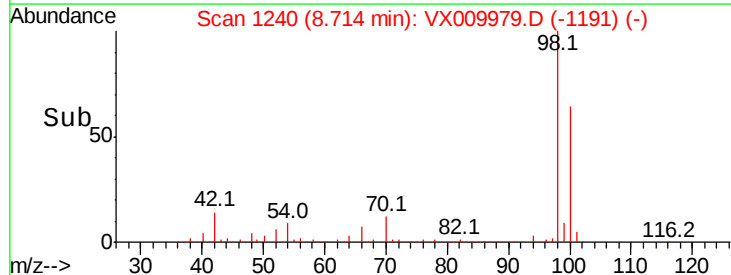
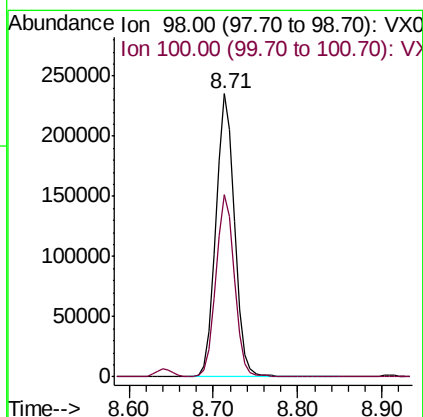
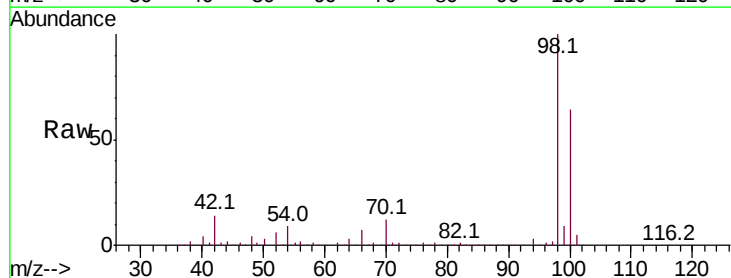
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

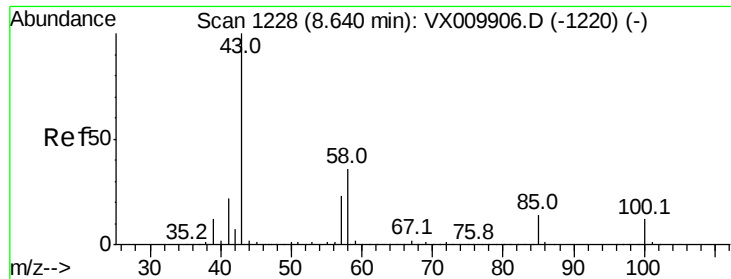
Tot Ion: 43 Resp: 415645
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.2
70 9.3 7.4 11.2



#50
Toluene-d8
Concen: 50.393 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009979.D
Acq: 31 May 2019 12:24

Tgt Ion: 98 Resp: 363536
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 20.316 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

Instrument :

MSVOA_X

ClientSampled :

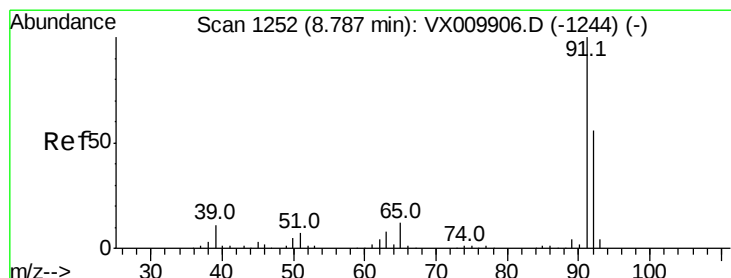
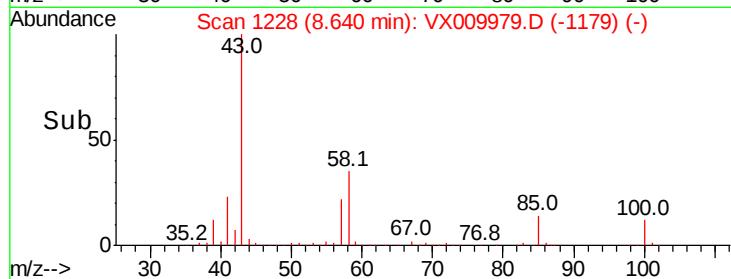
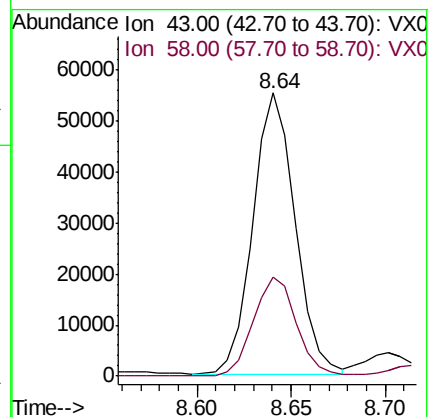
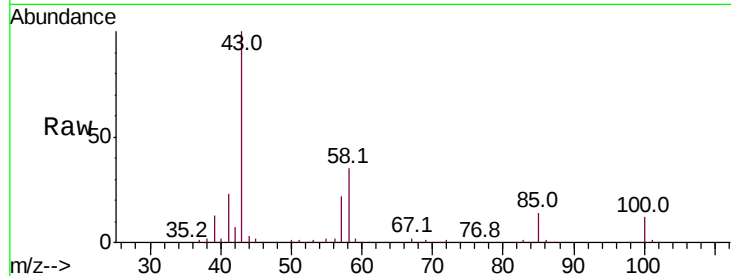
COMP-2

Tot Ion: 43 Resp: 85186

Ion Ratio Lower Upper

43 100

58 35.7 28.8 43.2



#52

Toluene

Concen: 7.409 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009979.D

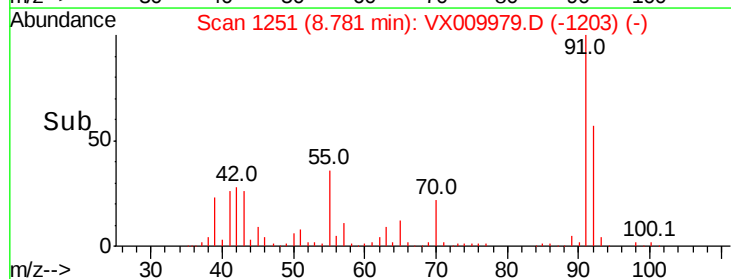
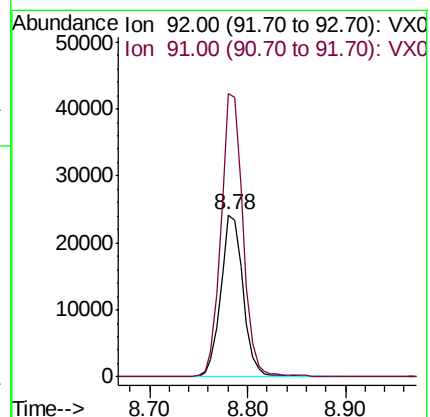
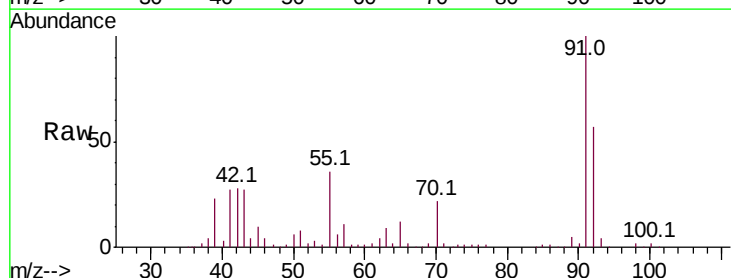
Acq: 31 May 2019 12:24

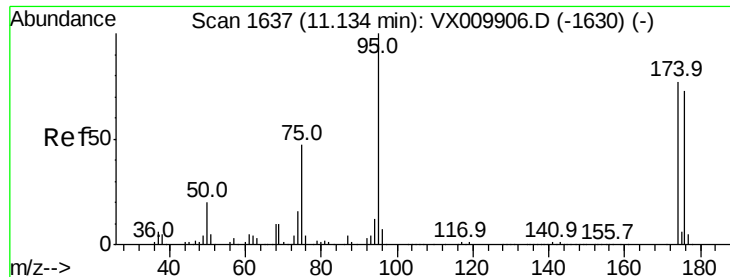
Tgt Ion: 92 Resp: 38261

Ion Ratio Lower Upper

92 100

91 172.6 139.9 209.9





#62

4-Bromofluorobenzene

Concen: 49.765 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

Instrument :

MSVOA_X

ClientSampled :

COMP-2

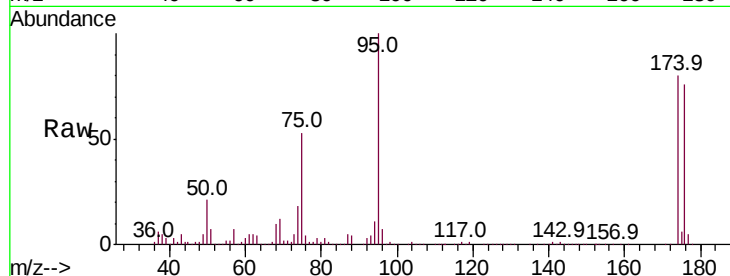
Tot Ion: 95 Resp: 128950

Ion Ratio Lower Upper

95 100

174 82.5 0.0 160.4

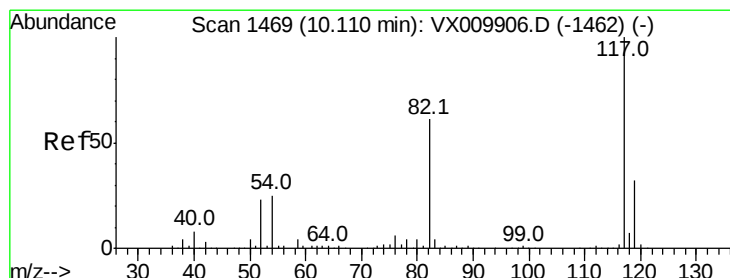
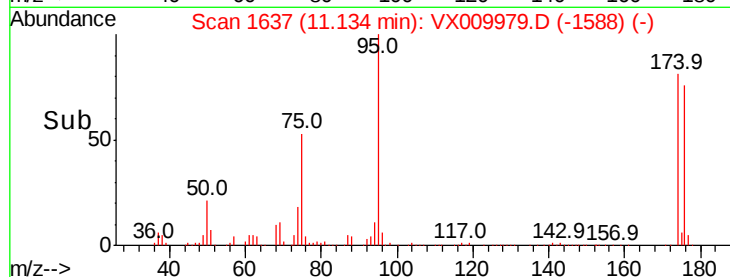
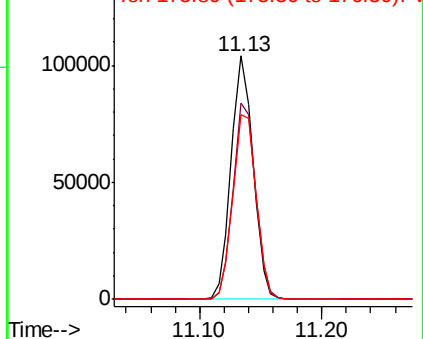
176 80.4 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009979.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009979.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009979.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

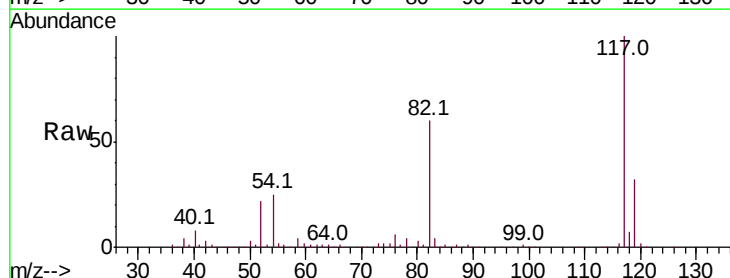
Tgt Ion: 117 Resp: 261697

Ion Ratio Lower Upper

117 100

82 60.1 49.2 73.8

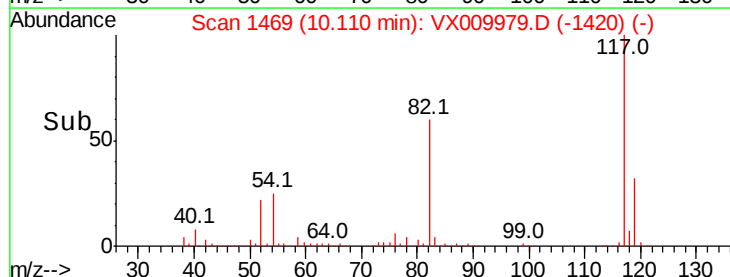
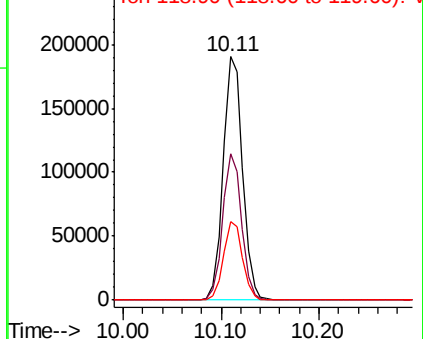
119 32.0 25.2 37.8

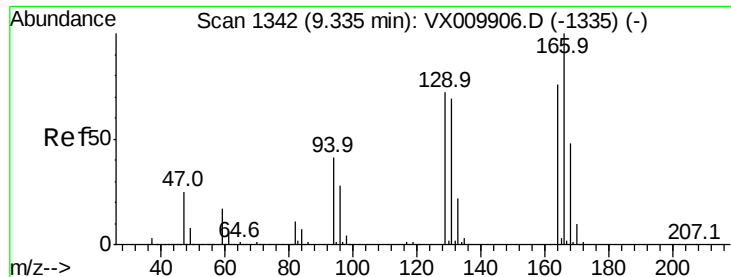


Abundance Ion 116.90 (116.60 to 117.60): VX009979.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009979.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009979.D (-1420) (-)





#64

Tetrachloroethene

Concen: 3.786 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

Tot Ion:164 Resp: 6921

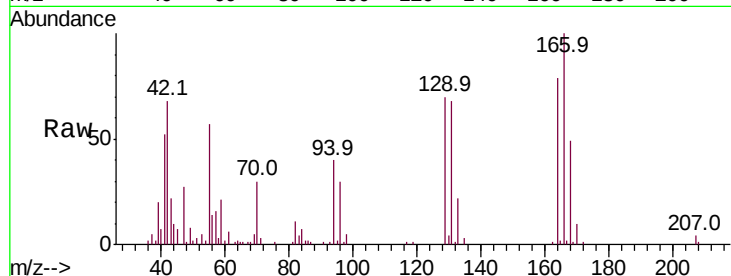
Ion Ratio Lower Upper

164 100

166 127.2 105.0 157.4

129 88.5 75.1 112.7

131 86.0 72.2 108.4

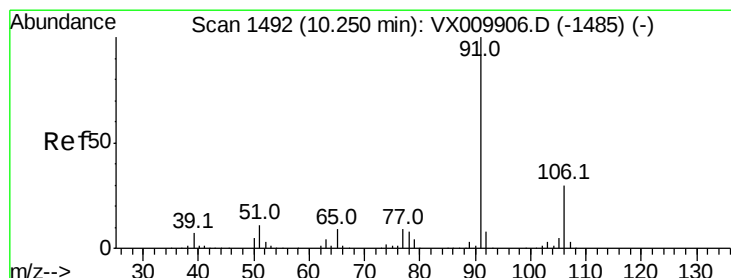
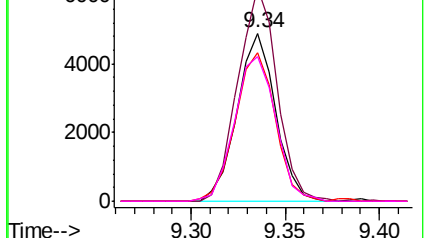
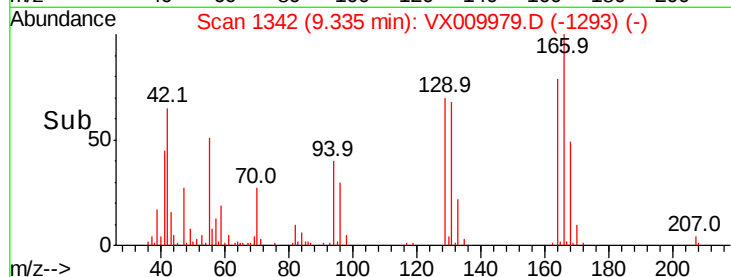


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 1.834 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009979.D

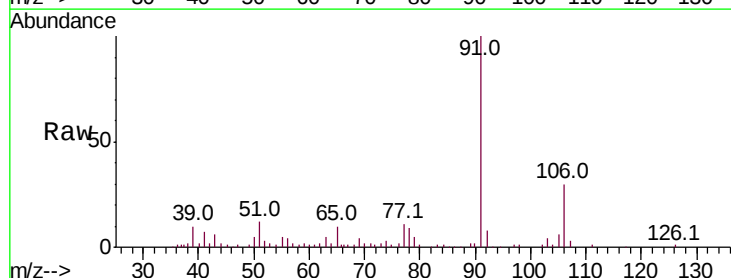
Acq: 31 May 2019 12:24

Tgt Ion: 91 Resp: 18044

Ion Ratio Lower Upper

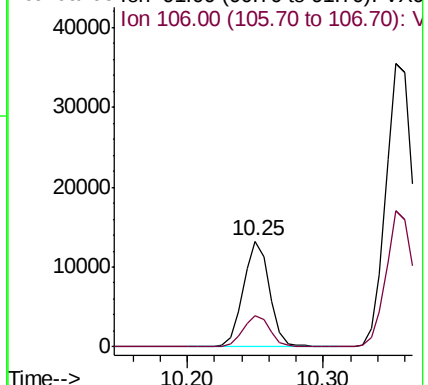
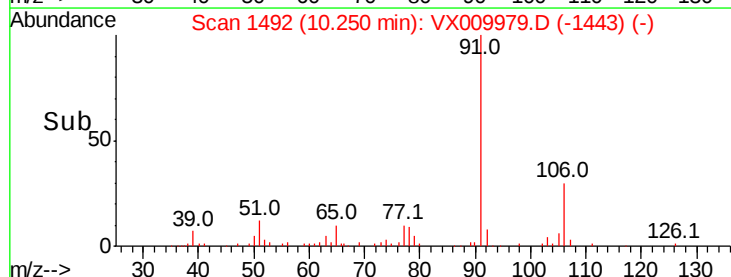
91 100

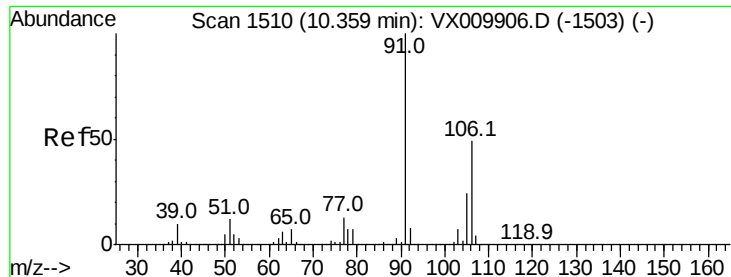
106 29.5 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

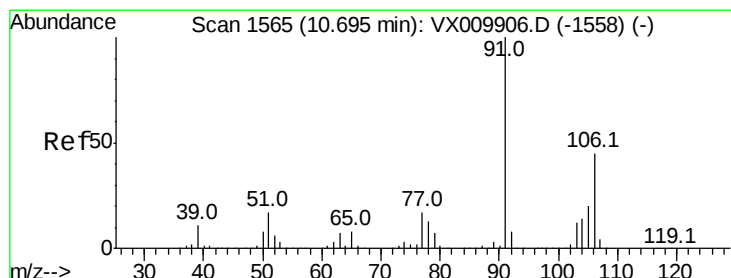
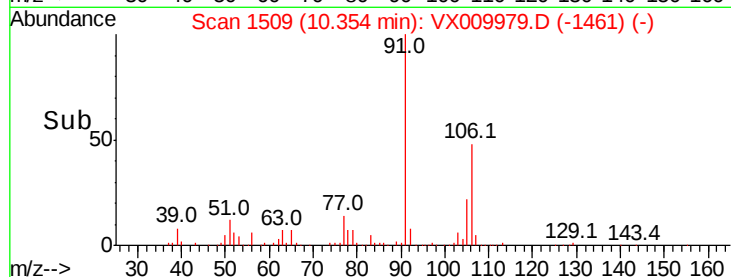
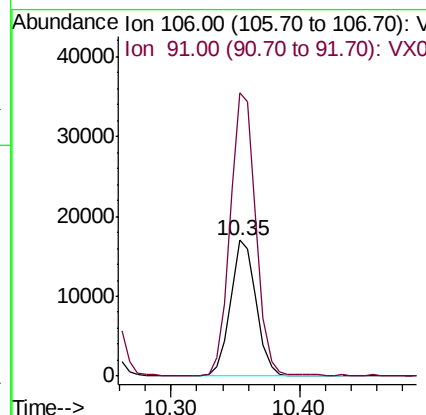
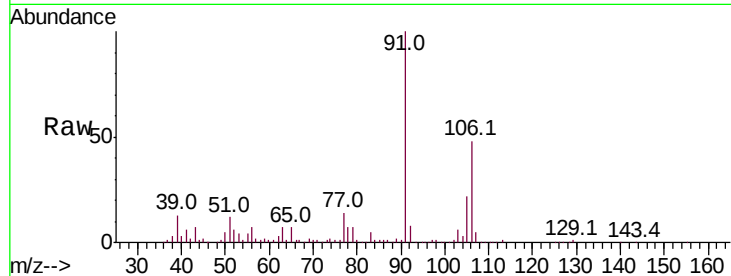




#68
m/p-Xylenes
Concen: 6.578 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009979.D
Acq: 31 May 2019 12:24

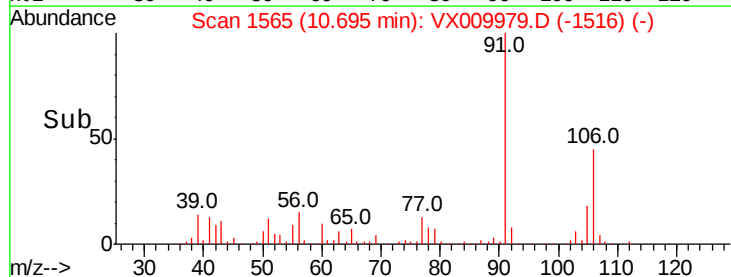
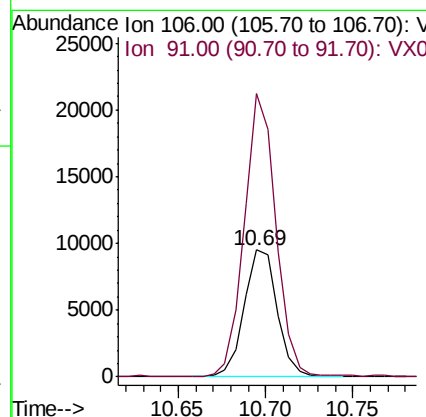
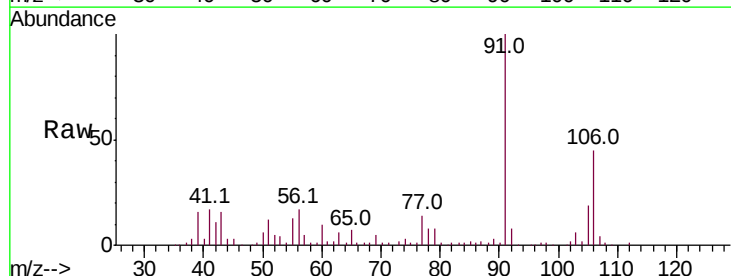
Instrument :
MSVOA_X
ClientSampled :
COMP-2

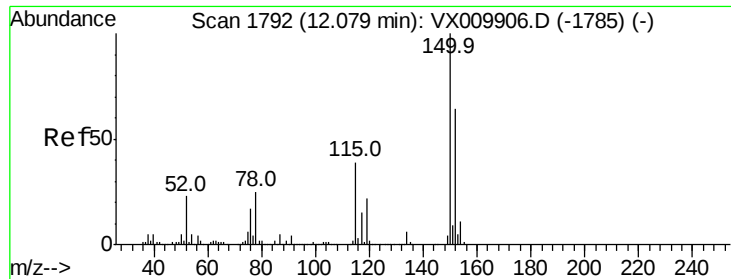
Tot Ion:106 Resp: 23906
Ion Ratio Lower Upper
106 100
91 207.8 167.3 250.9



#69
o-Xylene
Concen: 3.579 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009979.D
Acq: 31 May 2019 12:24

Tgt Ion:106 Resp: 12473
Ion Ratio Lower Upper
106 100
91 214.7 110.4 331.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

Instrument :

MSVOA_X

ClientSampled :

COMP-2

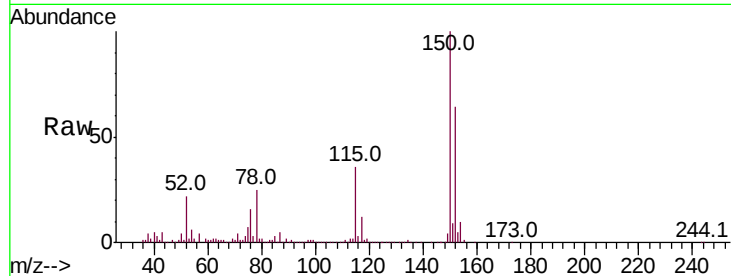
Tot Ion:152 Resp: 124000

Ion Ratio Lower Upper

152 100

115 60.2 41.4 124.2

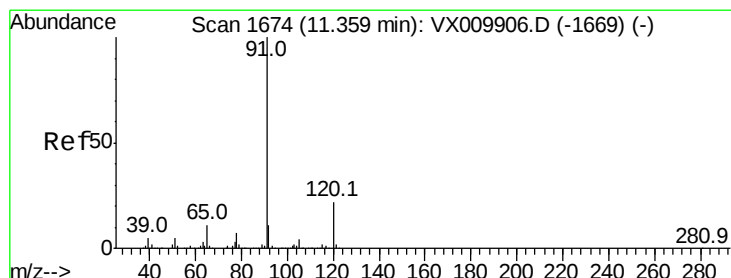
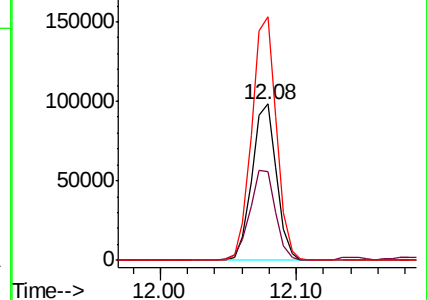
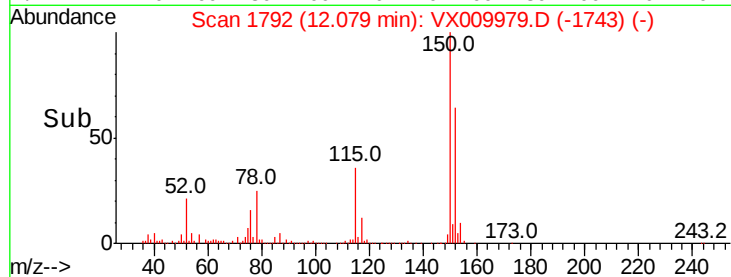
150 156.8 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#78

n-propylbenzene

Concen: 1.017 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009979.D

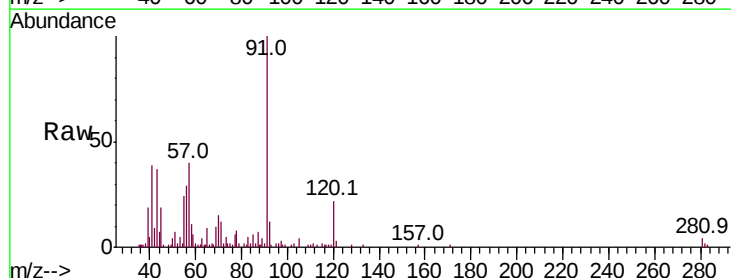
Acq: 31 May 2019 12:24

Tgt Ion: 91 Resp: 10720

Ion Ratio Lower Upper

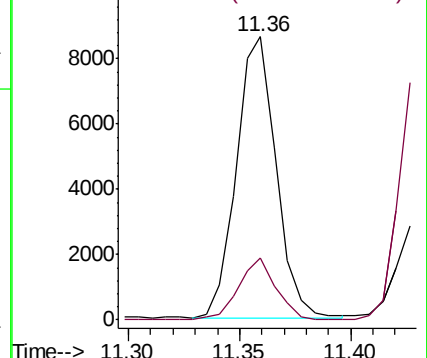
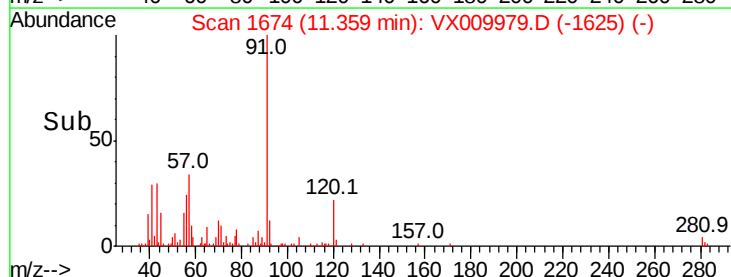
91 100

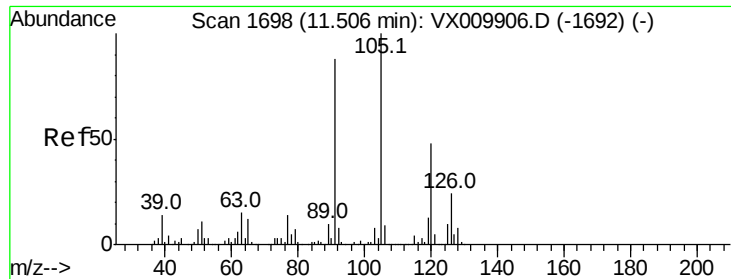
120 20.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 3.597 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009979.D

Acq: 31 May 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

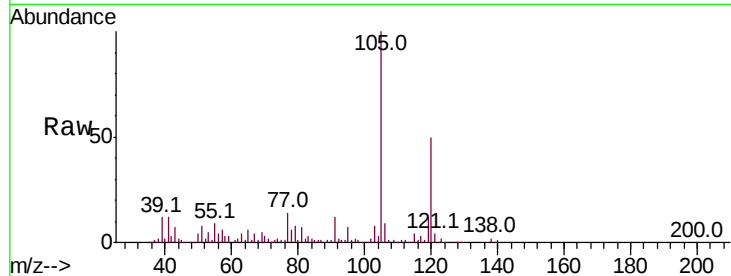
COMP-2

Tot Ion:105 Resp: 27727

Ion Ratio Lower Upper

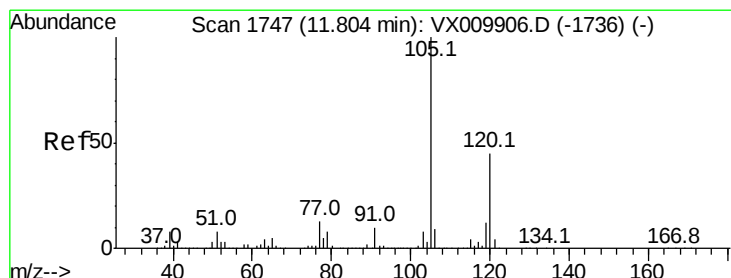
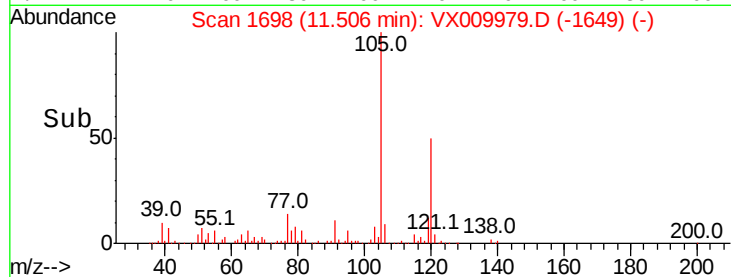
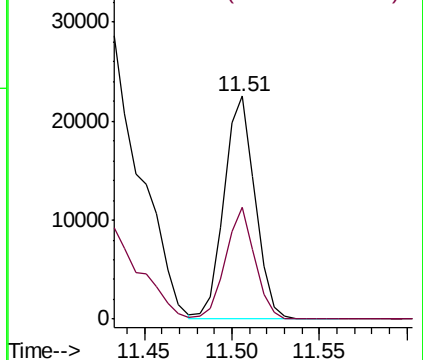
105 100

120 47.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 11.874 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009979.D

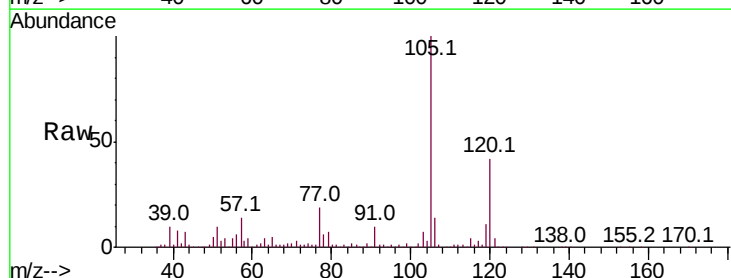
Acq: 31 May 2019 12:24

Tgt Ion:105 Resp: 92944

Ion Ratio Lower Upper

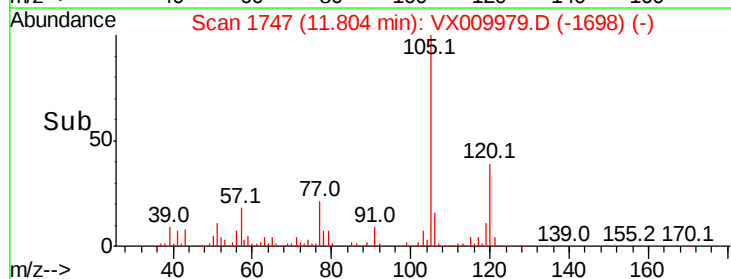
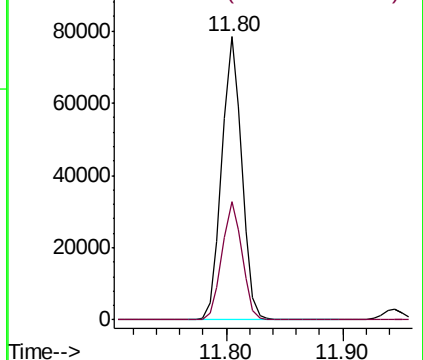
105 100

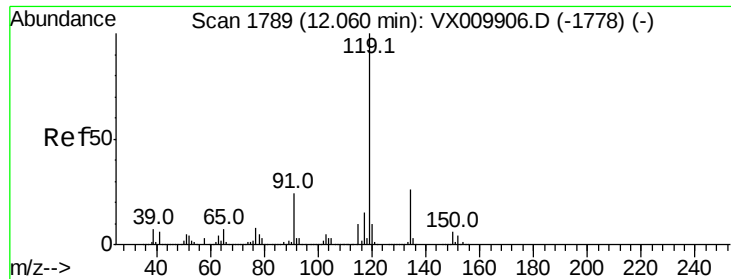
120 41.9 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

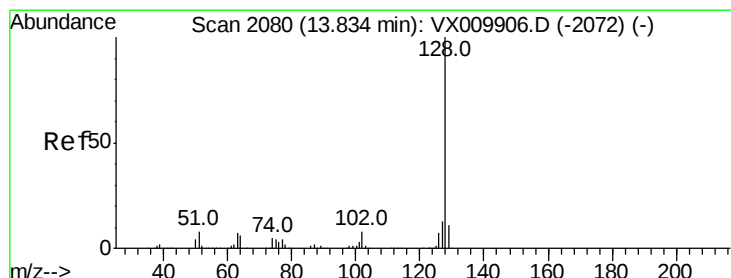
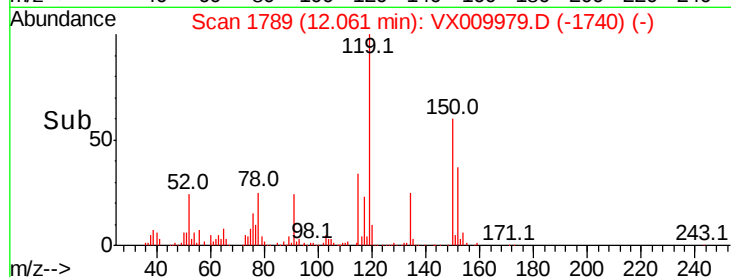
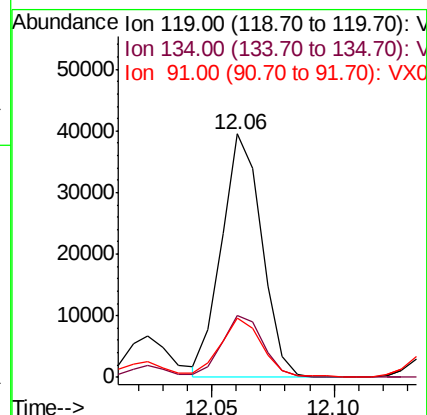
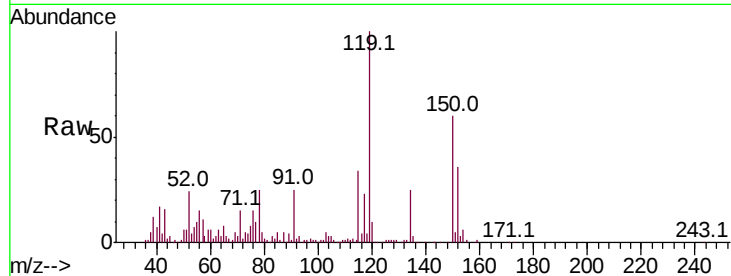




#86
p-Isopropyltoluene
Concen: 5.705 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX009979.D
Acq: 31 May 2019 12:24

Instrument :
MSVOA_X
ClientSampled :
COMP-2

Tot Ion:119 Resp: 45018
Ion Ratio Lower Upper
119 100
134 26.0 12.9 38.6
91 24.7 11.9 35.9



#95
Naphthalene
Concen: 8.682 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009979.D
Acq: 31 May 2019 12:24

Tgt Ion:128 Resp: 79017
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.9 8.8 13.2

