

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX009978.D
 Acq On : 31 May 2019 12:01
 Operator : JC/SP
 Sample : K2964-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: May 31 12:32:06 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	163864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	260958	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110911	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	112831	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
35) Dibromofluoromethane	5.50	113	82171	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	8.71	98	332401	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.13	95	118279	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

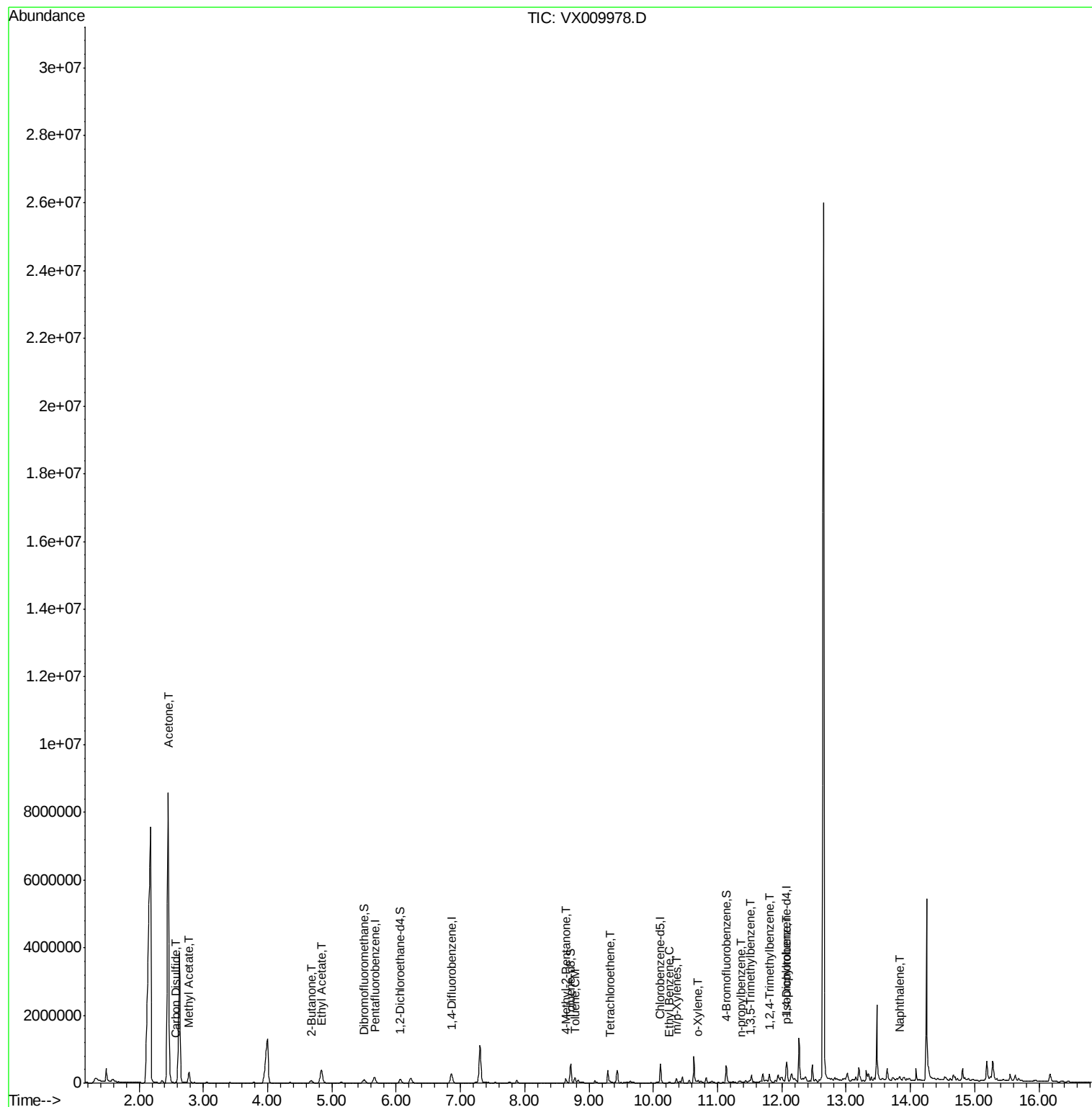
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	9264991	6927.655	ug/l	94
17) Carbon Disulfide	2.57	76	16411	3.625	ug/l	100
18) Methyl Acetate	2.78	43	377769	121.394	ug/l	98
25) 2-Butanone	4.68	43	128330	61.589	ug/l	98
37) Ethyl Acetate	4.84	43	686123	185.978	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	77673	20.058	ug/l	100
52) Toluene	8.78	92	28514	5.979	ug/l	100
64) Tetrachloroethene	9.34	164	5447	3.285	ug/l	94
67) Ethyl Benzene	10.25	91	15775	1.768	ug/l	99
68) m/p-Xylenes	10.35	106	21422	6.498	ug/l	100
69) o-Xylene	10.69	106	11248	3.558	ug/l	100
78) n-propylbenzene	11.36	91	9557	1.013	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	24064	3.491	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	79767	11.393	ug/l	98
86) p-Isopropyltoluene	12.06	119	48607	6.887	ug/l	99
95) Naphthalene	13.83	128	67133	8.247	ug/l	99

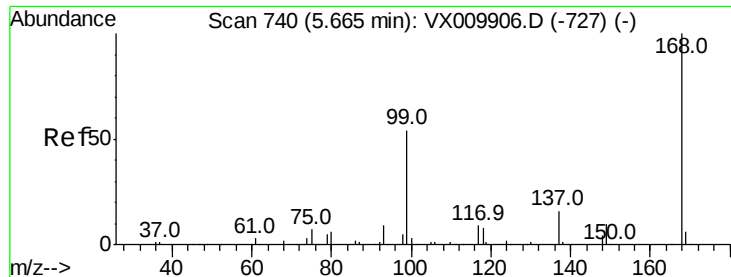
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 31 12:32:06 2019
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: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

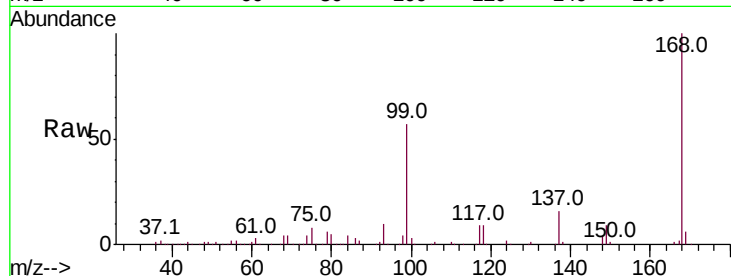
COMP-1

Tot Ion:168 Resp: 163864

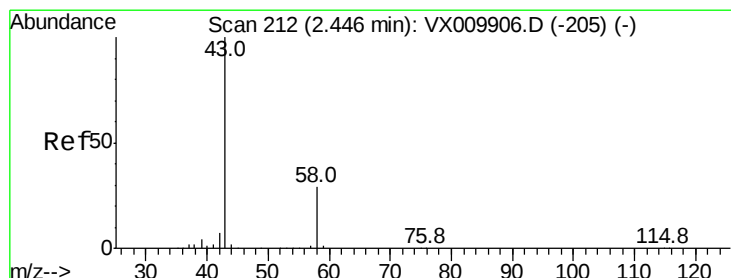
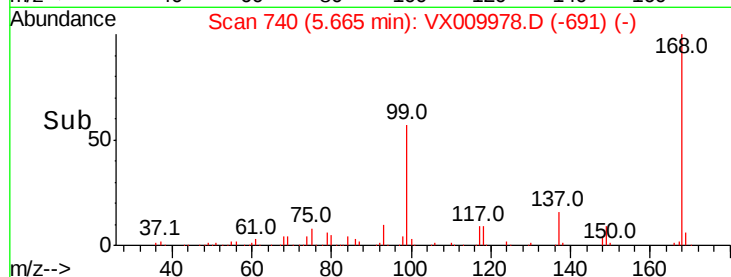
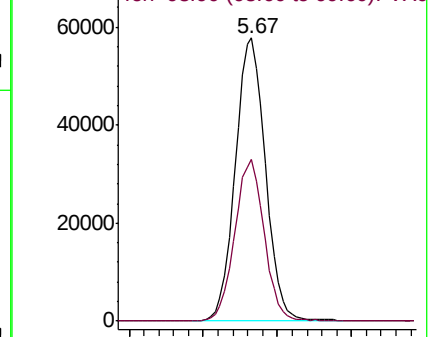
Ion Ratio Lower Upper

168 100

99 57.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): VX009978.D (-691) (-)



#16

Acetone

Concen: 6927.655 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009978.D

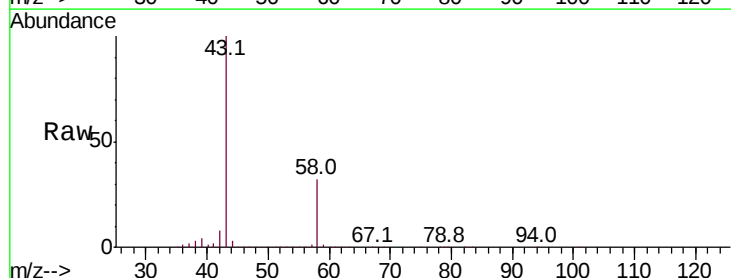
Acq: 31 May 2019 12:01

Tgt Ion: 43 Resp: 9264991

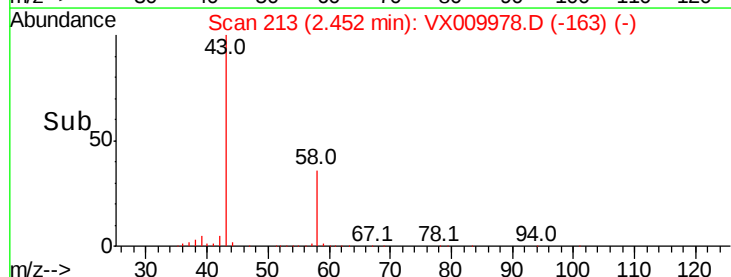
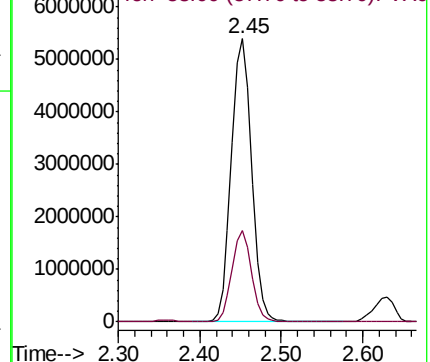
Ion Ratio Lower Upper

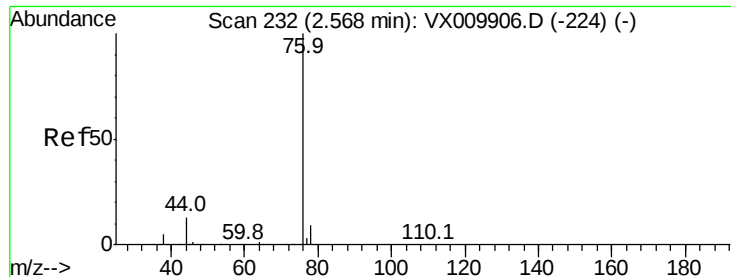
43 100

58 32.4 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX009978.D (-163) (-)

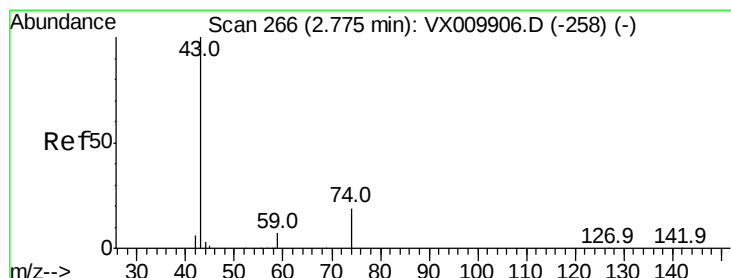
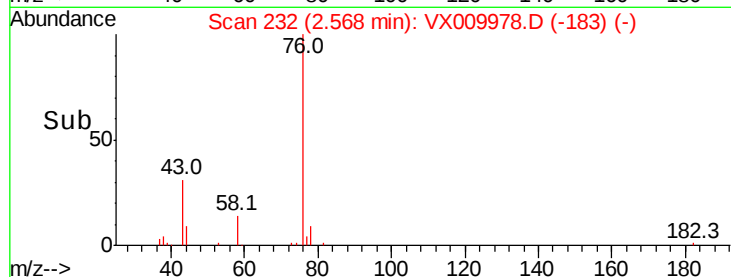
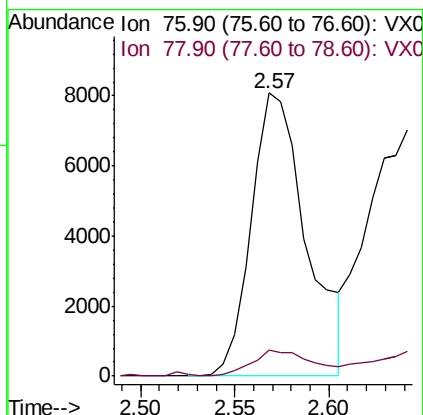
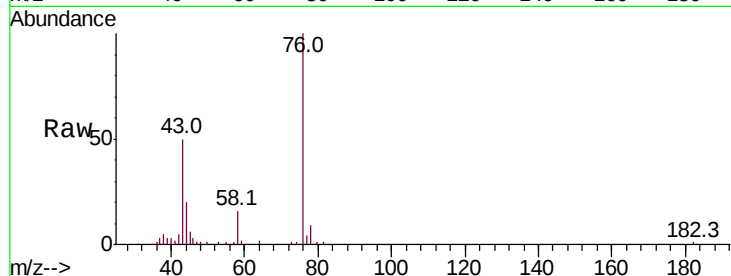




#17
Carbon Disulfide
Concen: 3.625 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

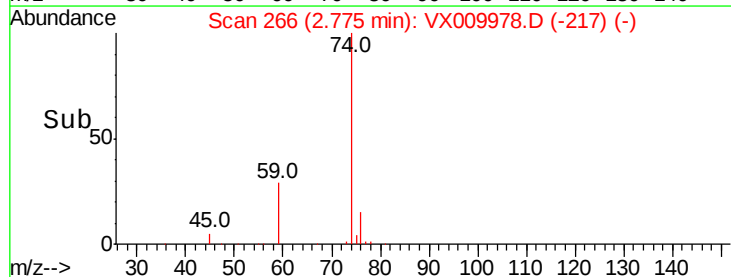
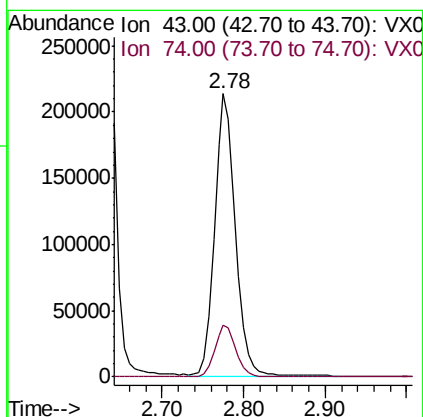
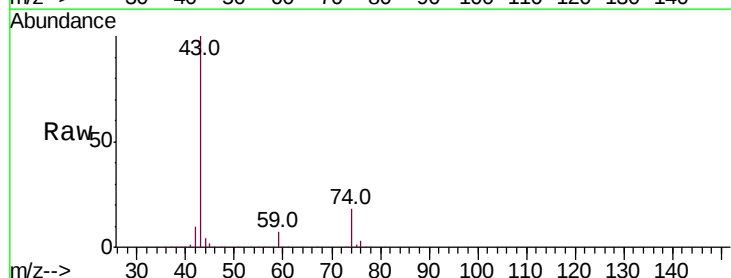
Instrument :
MSVOA_X
ClientSampled :
COMP-1

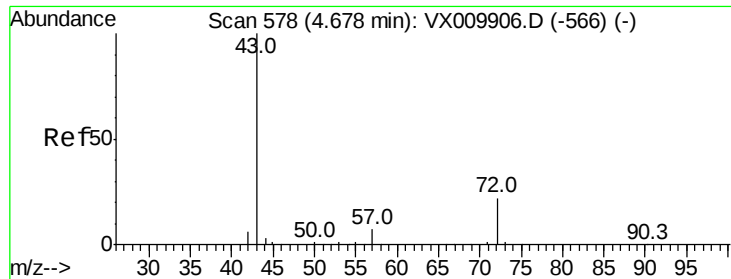
Tot Ion: 76 Resp: 16411
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 121.394 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 43 Resp: 377769
Ion Ratio Lower Upper
43 100
74 18.7 15.8 23.6





#25

2-Butanone

Concen: 61.589 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

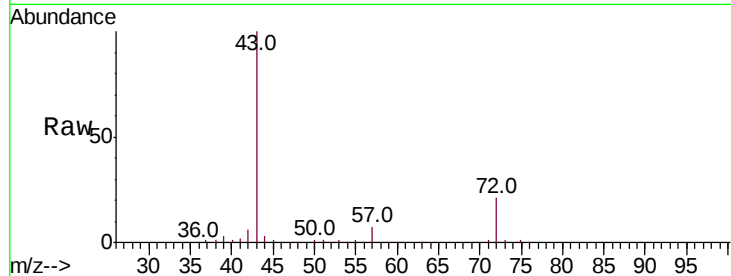
COMP-1

Tot Ion: 43 Resp: 128330

Ion Ratio Lower Upper

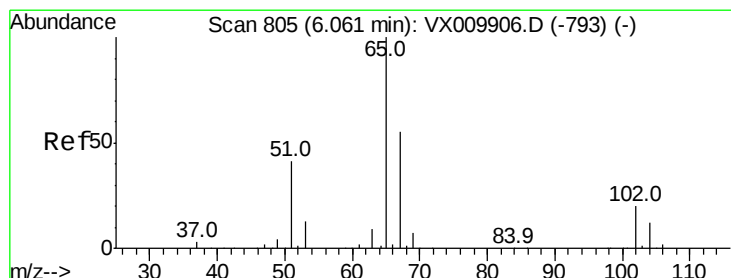
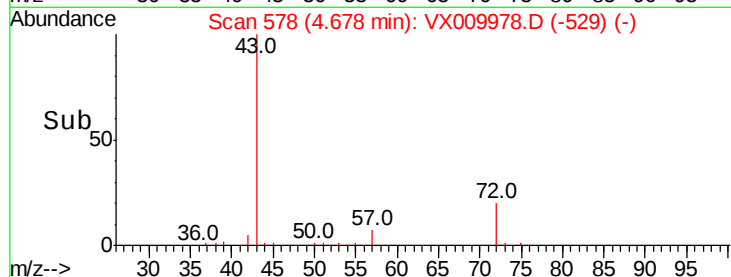
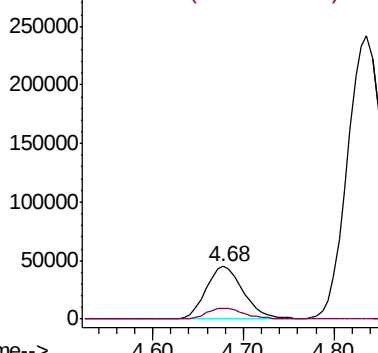
43 100

72 20.8 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: 48.745 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009978.D

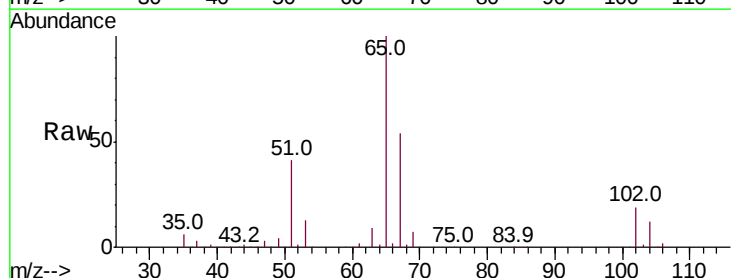
Acq: 31 May 2019 12:01

Tgt Ion: 65 Resp: 112831

Ion Ratio Lower Upper

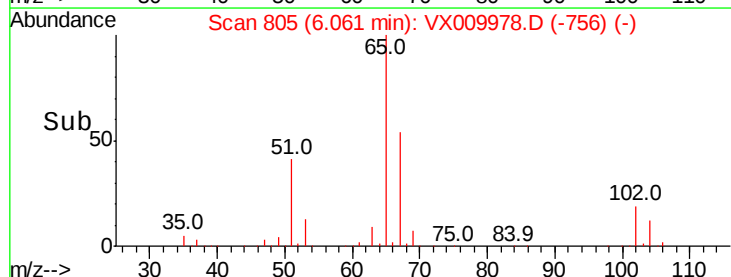
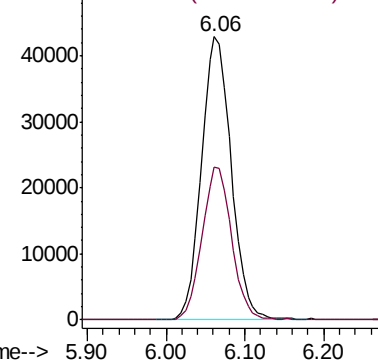
65 100

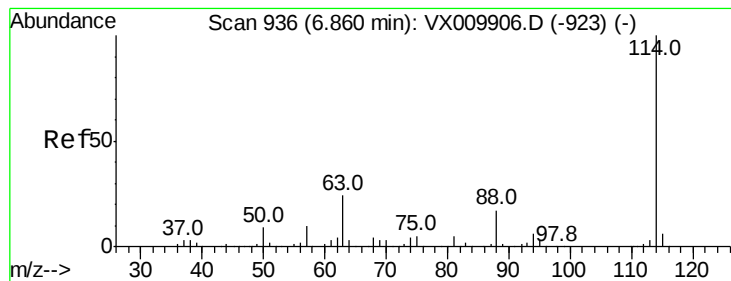
67 53.4 0.0 108.4



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: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

COMP-1

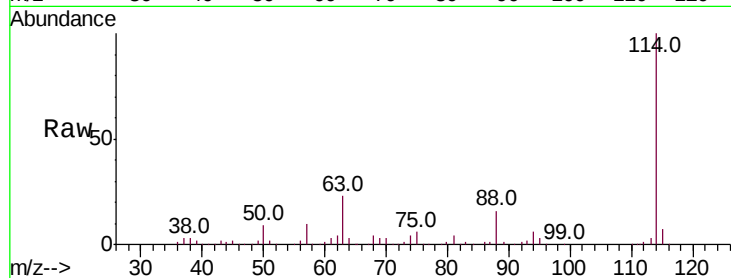
Tot Ion:114 Resp: 260958

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.4

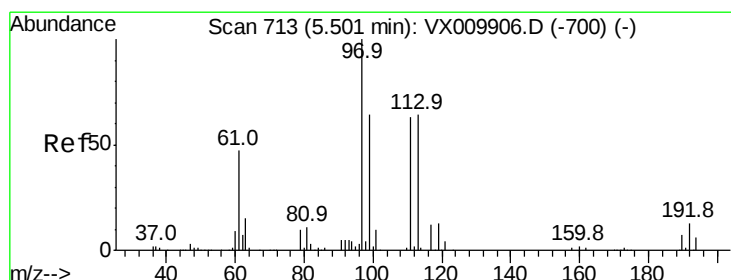
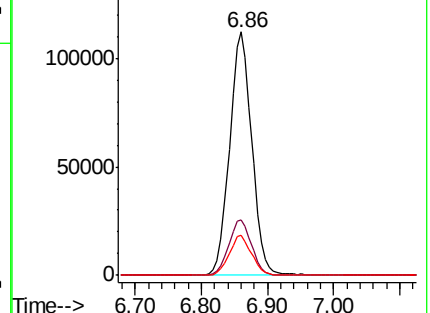
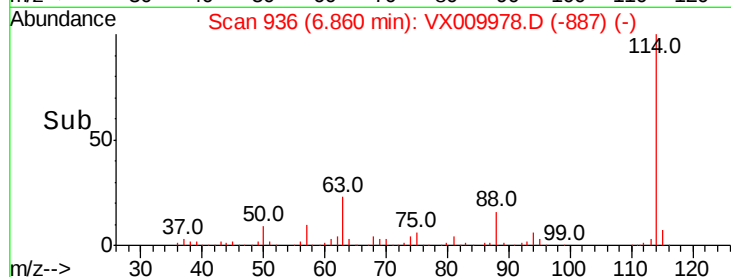
88 16.4 0.0 33.0



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: 50.084 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

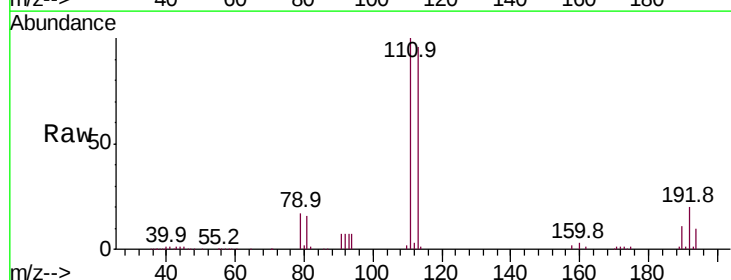
Tgt Ion:113 Resp: 82171

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

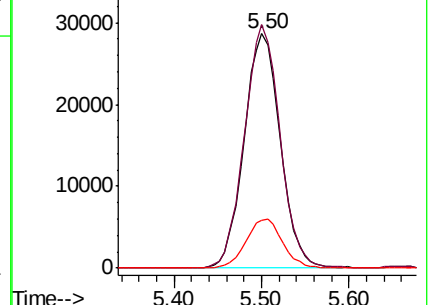
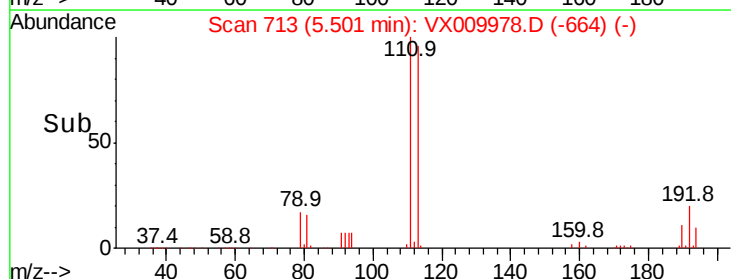
192 20.9 17.1 25.7

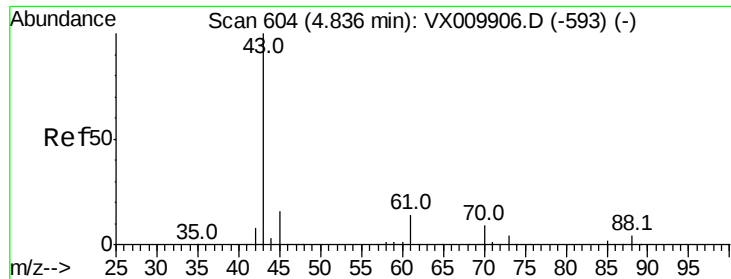


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

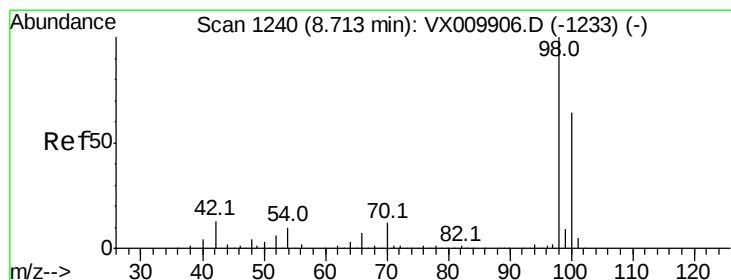
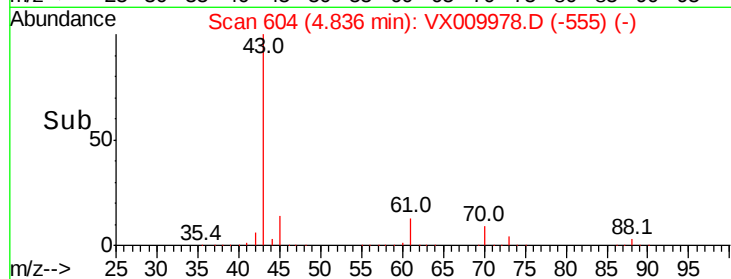
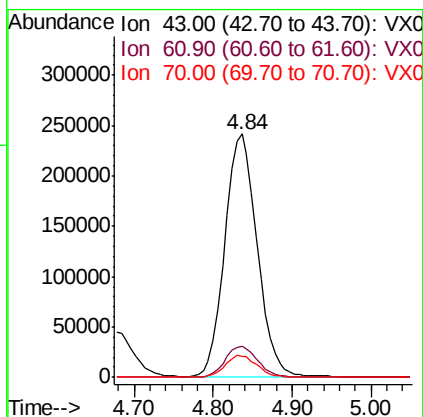
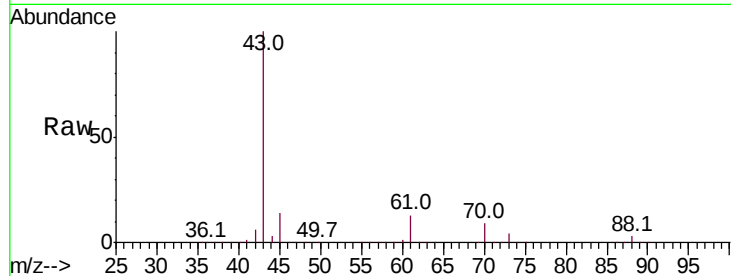




#37
Ethyl Acetate
Concen: 185.978 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

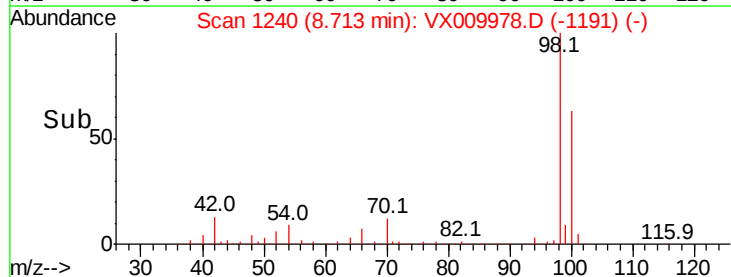
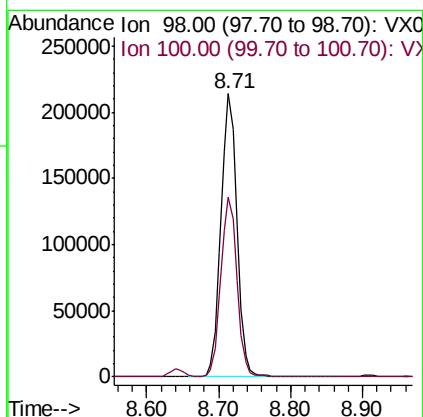
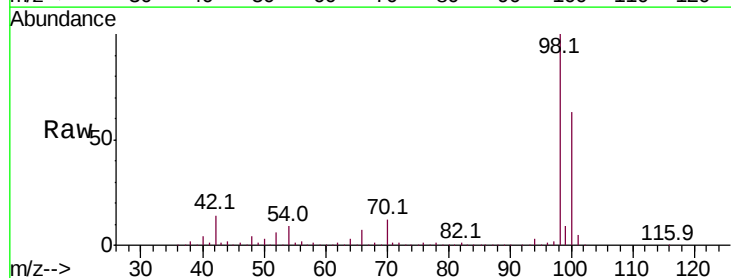
Instrument :
MSVOA_X
ClientSampled :
COMP-1

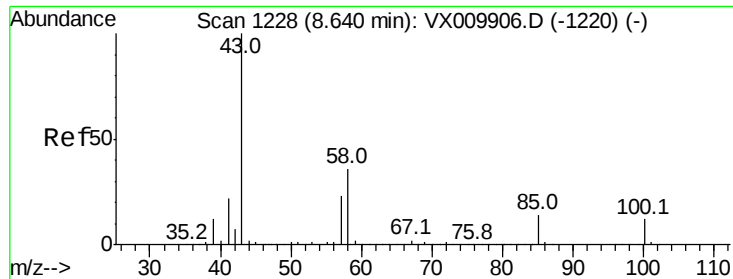
Tot Ion: 43 Resp: 686123
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.2
70 9.1 7.4 11.2



#50
Toluene-d8
Concen: 49.893 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 98 Resp: 332401
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 20.058 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

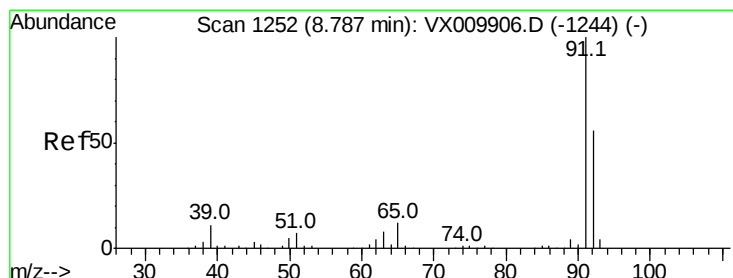
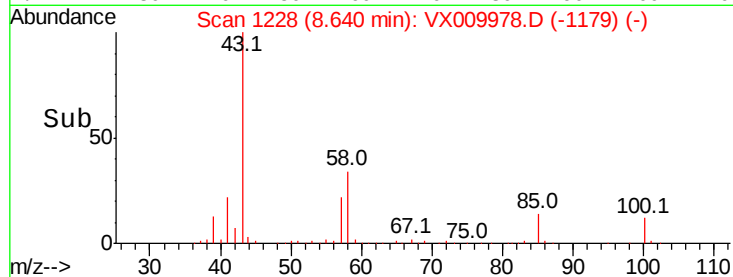
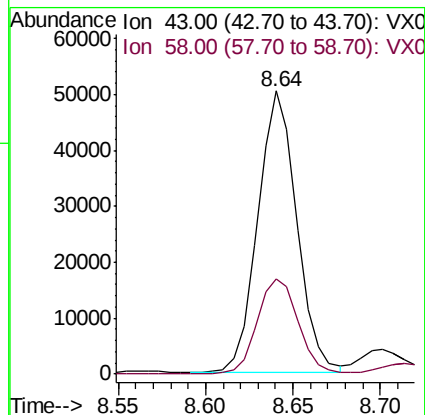
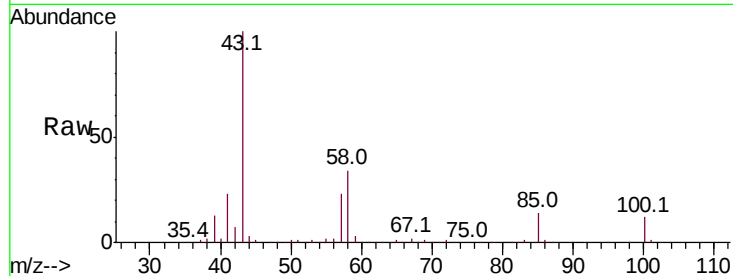
COMP-1

Tot Ion: 43 Resp: 77673

Ion Ratio Lower Upper

43 100

58 35.7 28.8 43.2



#52

Toluene

Concen: 5.979 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009978.D

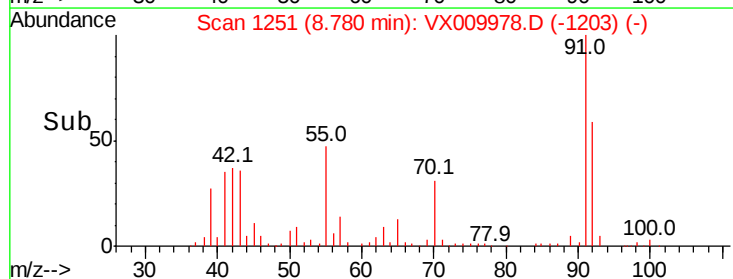
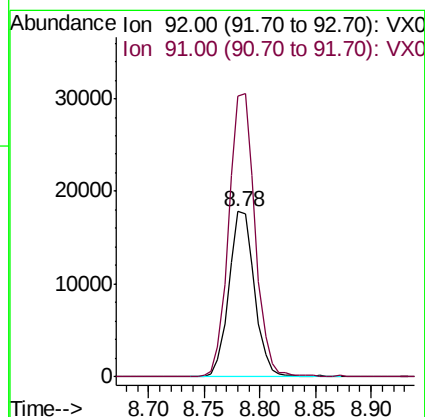
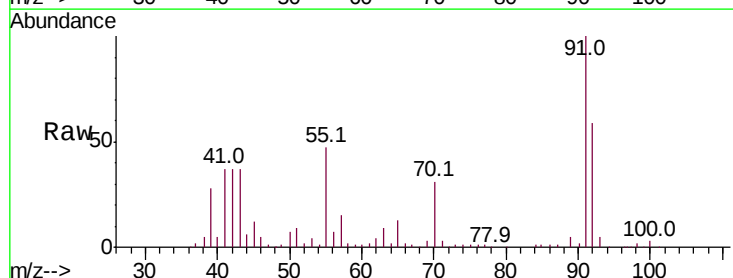
Acq: 31 May 2019 12:01

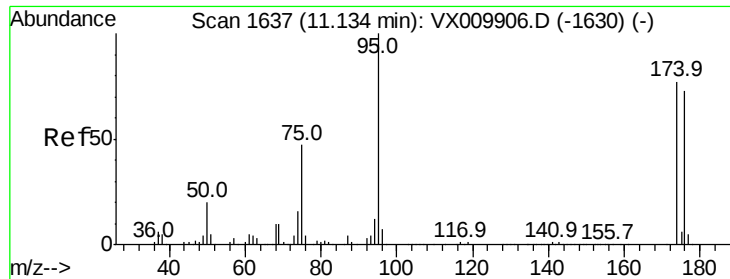
Tgt Ion: 92 Resp: 28514

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9





#62

4-Bromofluorobenzene

Concen: 49.427 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

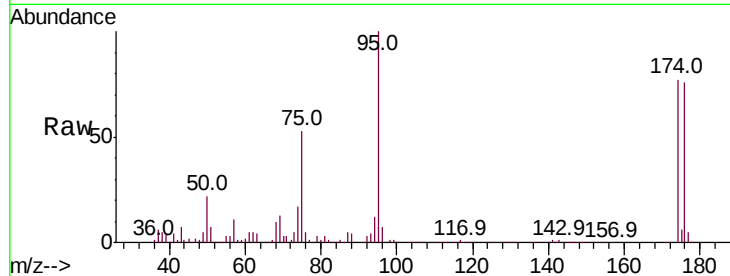
Tot Ion: 95 Resp: 118279

Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.4

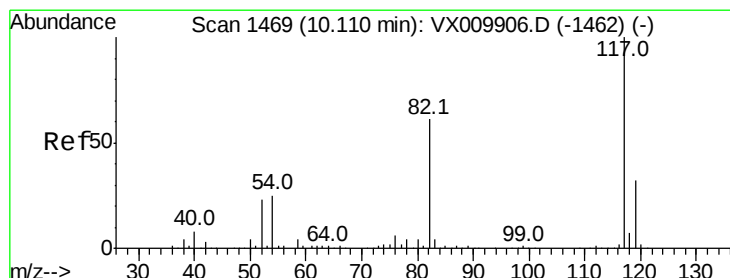
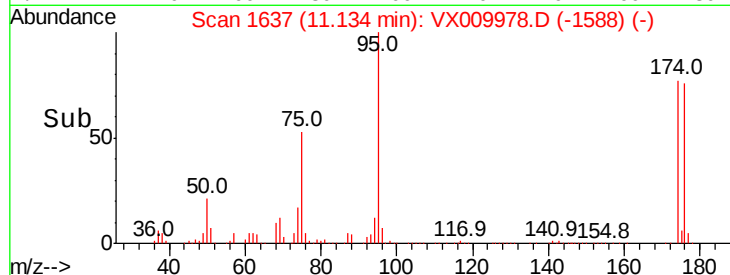
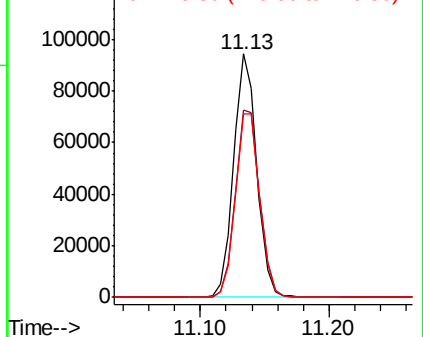
176 79.2 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009978.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009978.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009978.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

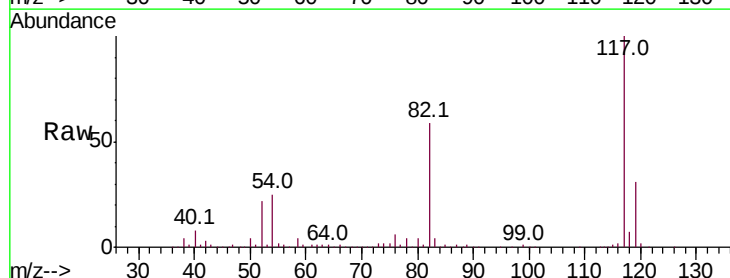
Tgt Ion: 117 Resp: 237397

Ion Ratio Lower Upper

117 100

82 59.3 49.2 73.8

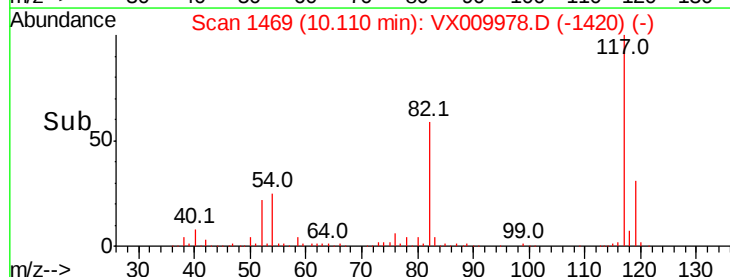
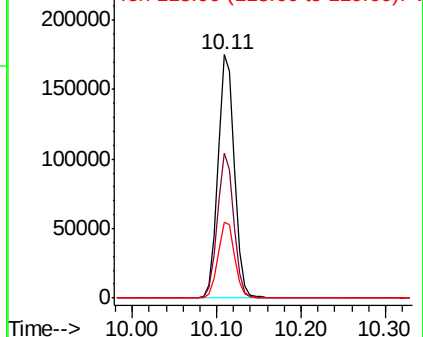
119 31.1 25.2 37.8

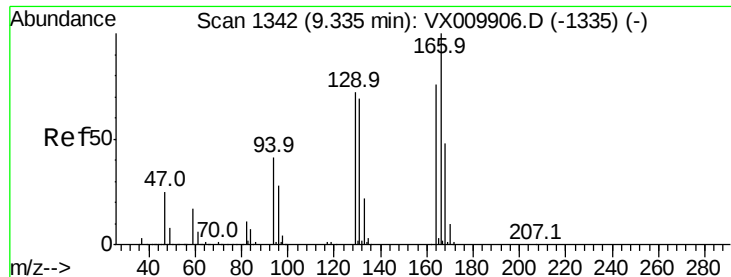


Abundance Ion 116.90 (116.60 to 117.60): VX009978.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009978.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009978.D (-1420) (-)

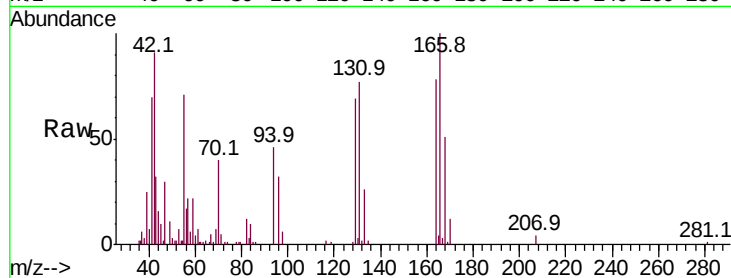




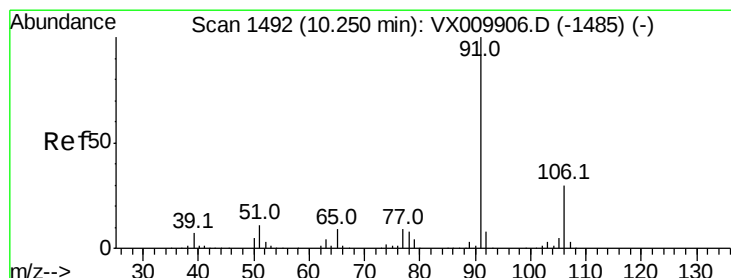
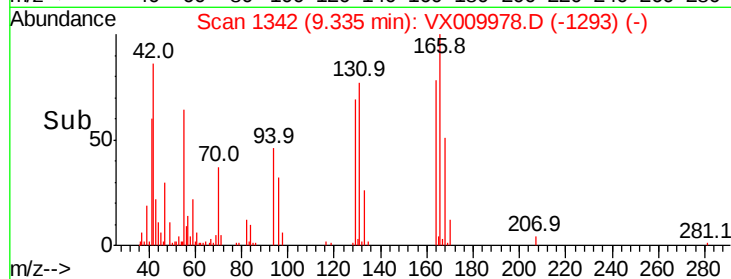
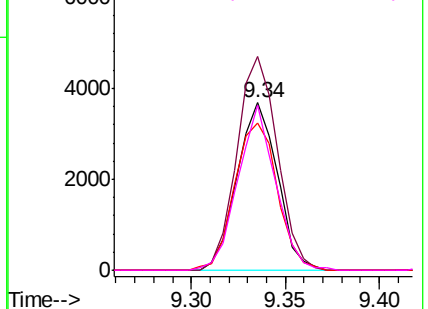
#64
Tetrachloroethene
Concen: 3.285 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

Tot Ion:164 Resp: 5447
Ion Ratio Lower Upper
164 100
166 127.5 105.0 157.4
129 88.0 75.1 112.7
131 98.8 72.2 108.4

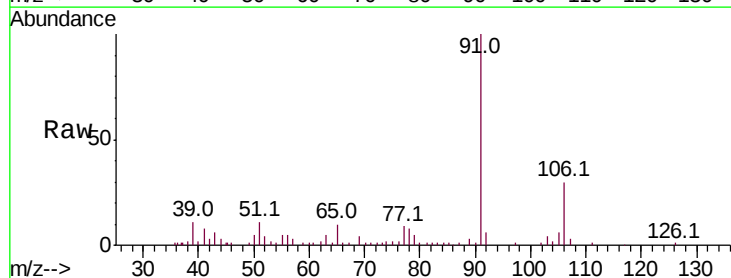


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

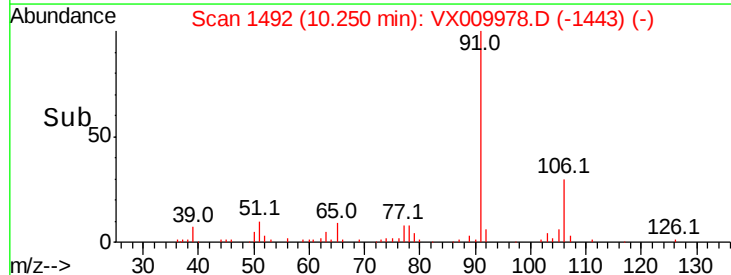
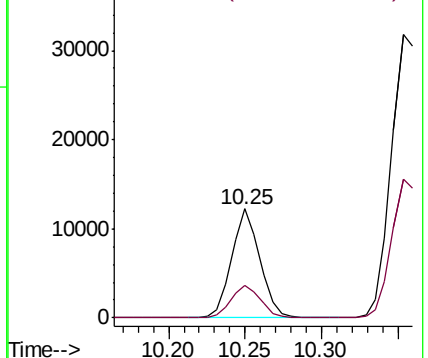


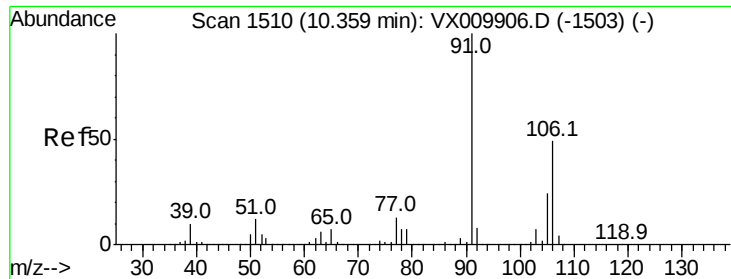
#67
Ethyl Benzene
Concen: 1.768 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 91 Resp: 15775
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

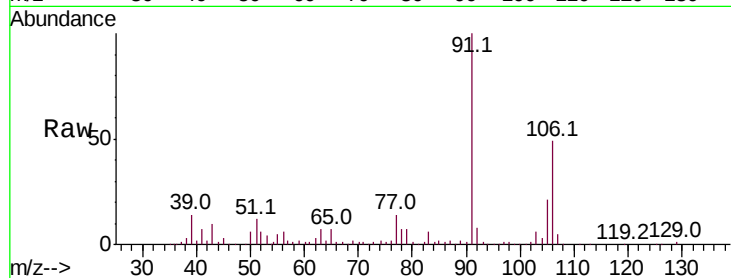




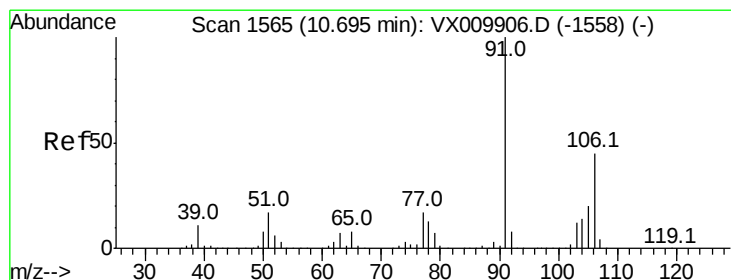
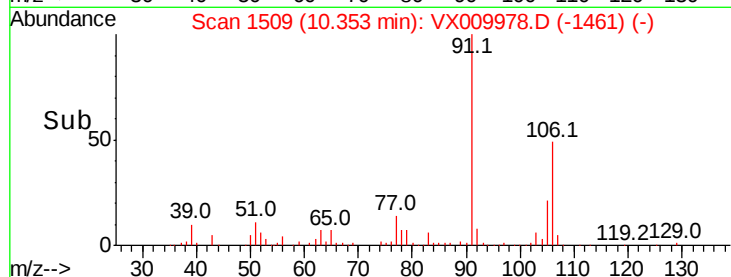
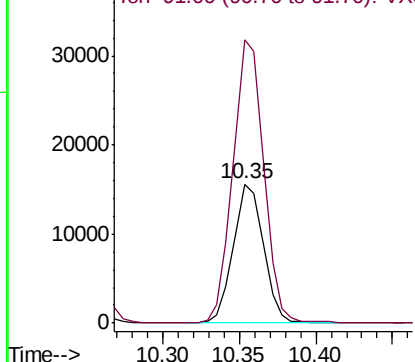
#68
m/p-Xylenes
Concen: 6.498 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

Tot Ion:106 Resp: 21422
Ion Ratio Lower Upper
106 100
91 209.0 167.3 250.9

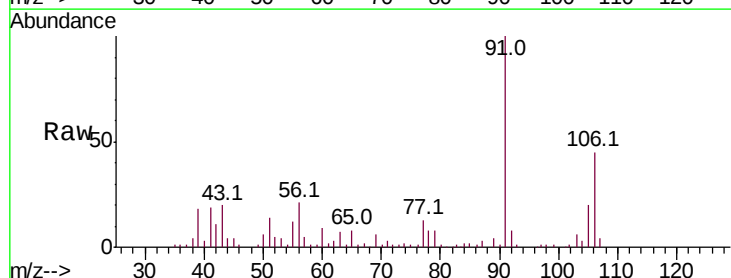


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

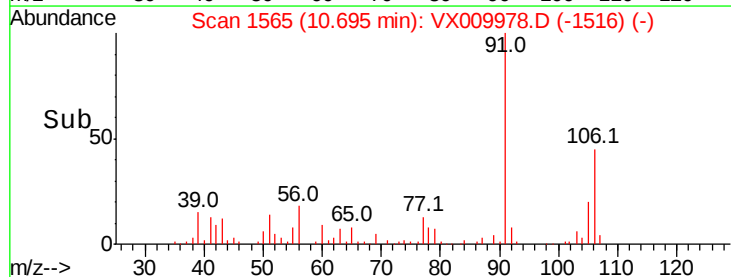
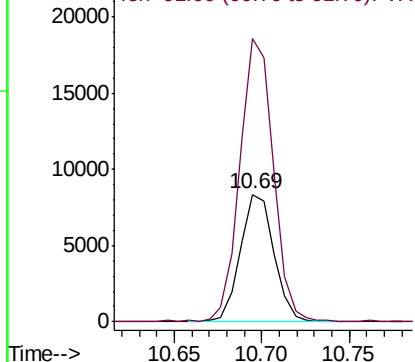


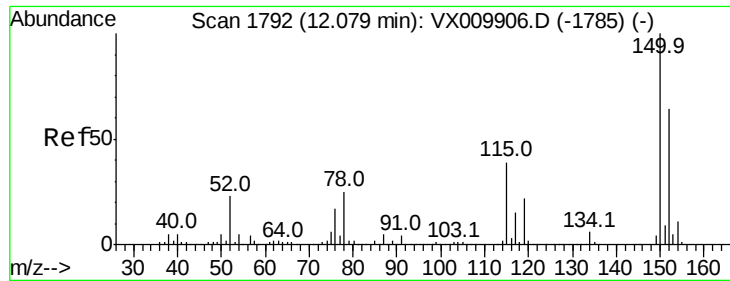
#69
o-Xylene
Concen: 3.558 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion:106 Resp: 11248
Ion Ratio Lower Upper
106 100
91 220.3 110.4 331.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0



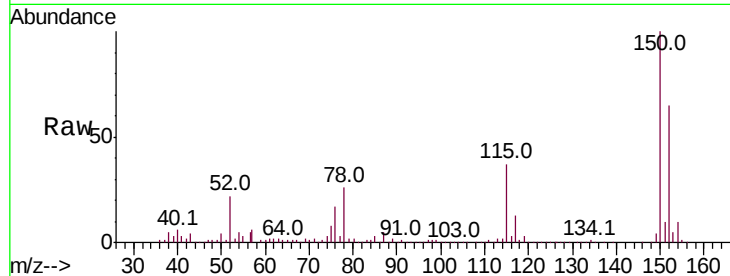


#72

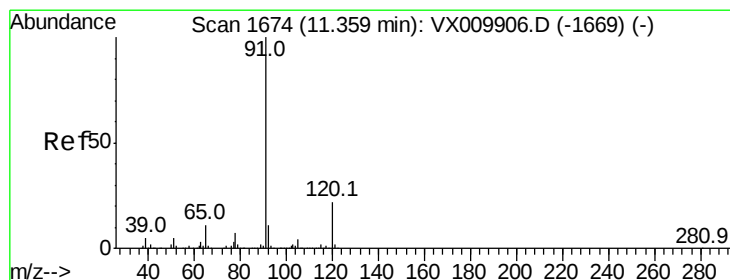
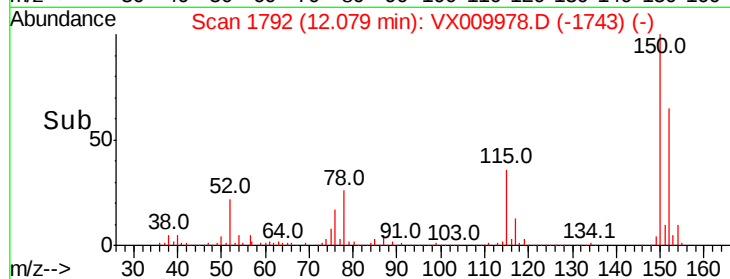
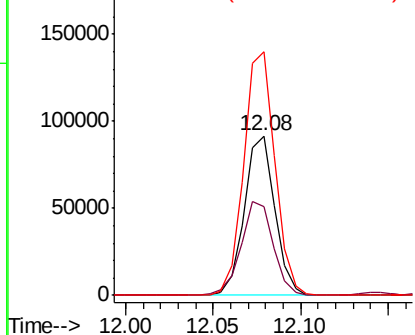
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Instrument :
MSVOA_X
ClientSampled :
COMP-1

Tot Ion:152 Resp: 110911
Ion Ratio Lower Upper
152 100
115 61.5 41.4 124.2
150 155.9 0.0 345.2



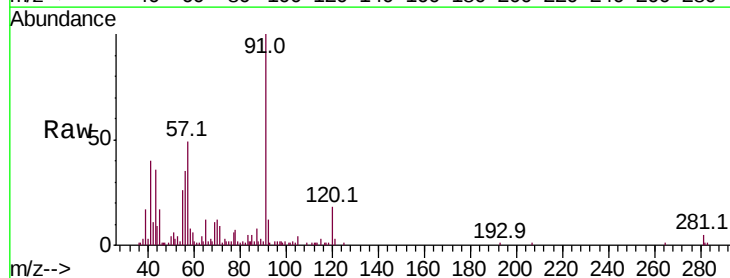
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



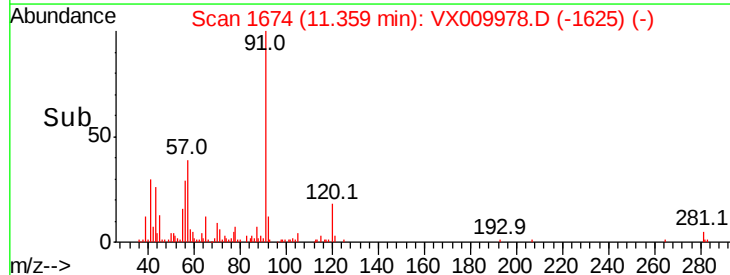
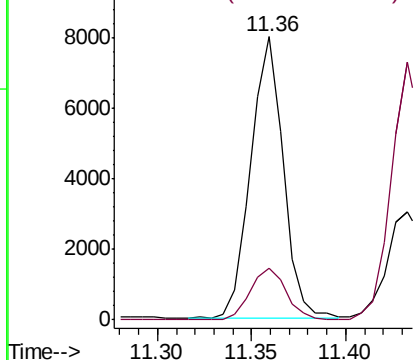
#78

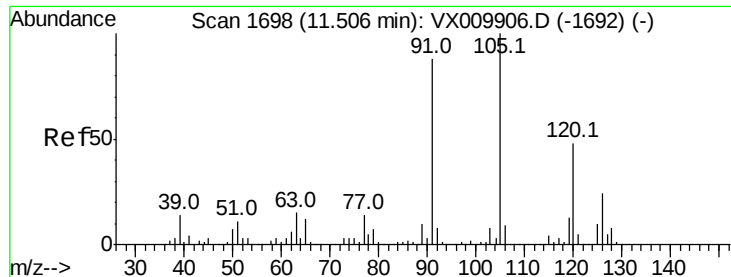
n-propylbenzene
Concen: 1.013 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX009978.D
Acq: 31 May 2019 12:01

Tgt Ion: 91 Resp: 9557
Ion Ratio Lower Upper
91 100
120 20.2 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: 3.491 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009978.D

Acq: 31 May 2019 12:01

Instrument :

MSVOA_X

ClientSampled :

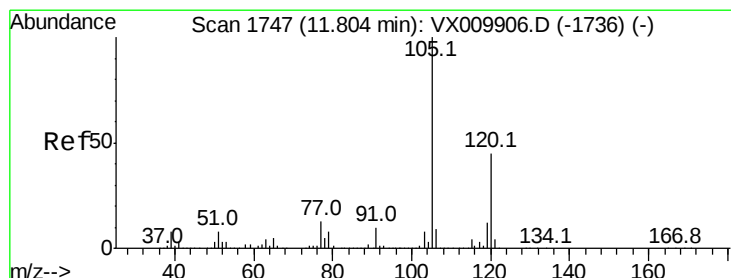
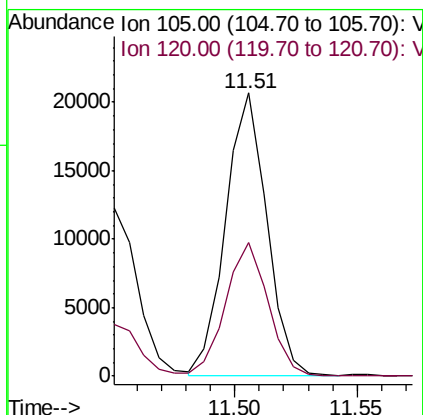
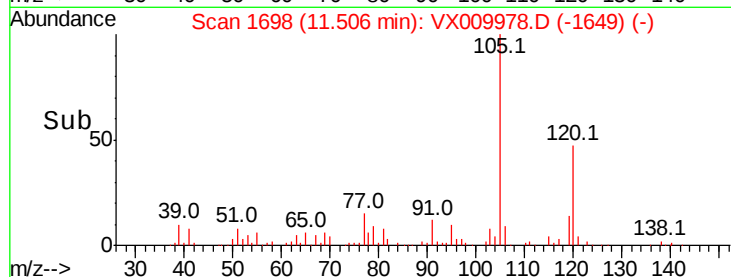
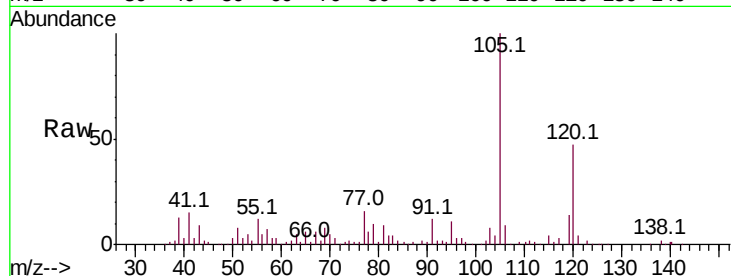
COMP-1

Tot Ion:105 Resp: 24064

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 11.393 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009978.D

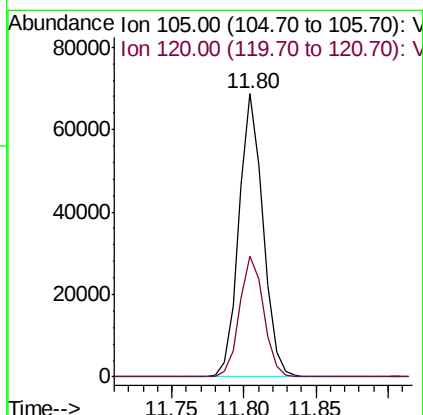
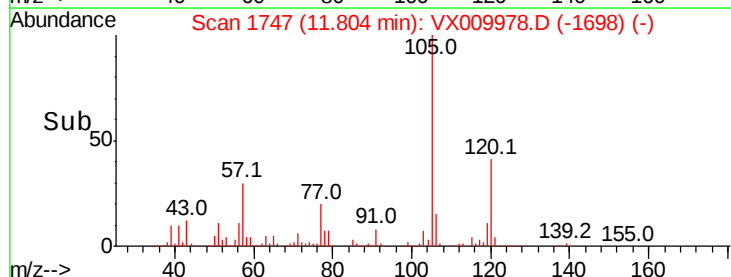
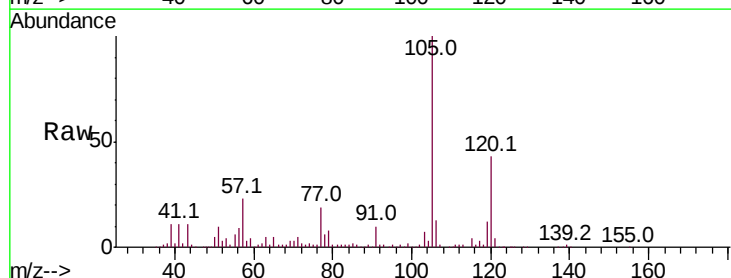
Acq: 31 May 2019 12:01

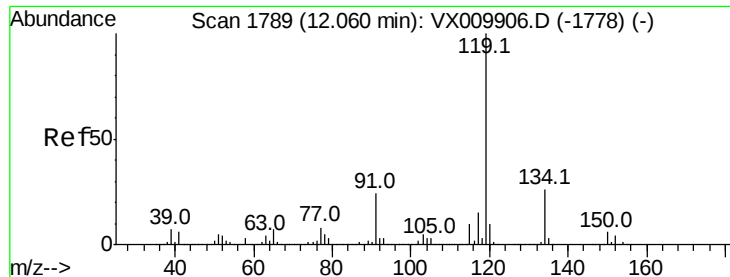
Tgt Ion:105 Resp: 79767

Ion Ratio Lower Upper

105 100

120 42.9 22.1 66.1

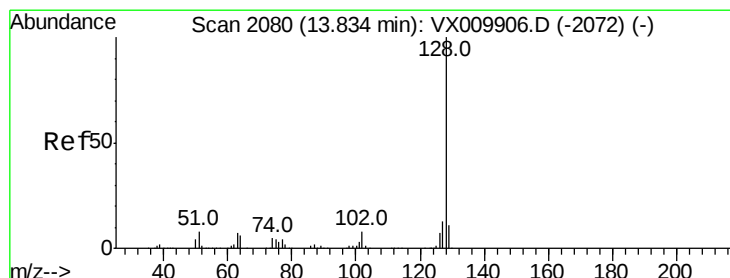
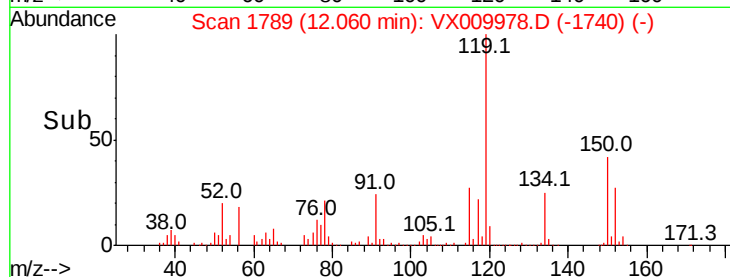
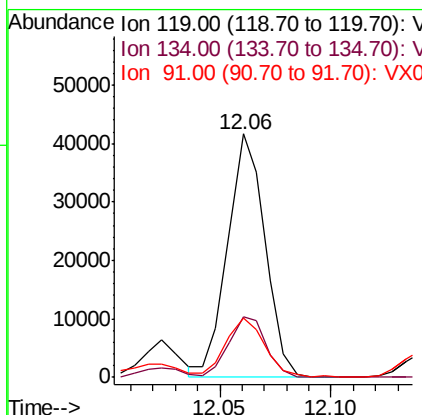
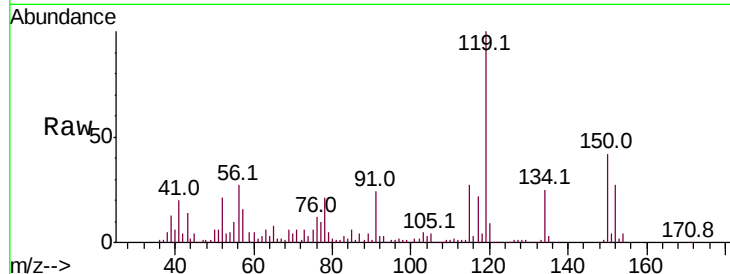




#86
 p-Isopropyltoluene
 Concen: 6.887 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampled :
 COMP-1

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.9	38.6
91	24.4	11.9	35.9



#95
 Naphthalene
 Concen: 8.247 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX009978.D
 Acq: 31 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	16.0
129	11.6	8.8	13.2

