

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX009980.D
 Acq On : 31 May 2019 12:48
 Operator : JC/SP
 Sample : K2964-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3

Quant Time: May 31 16:18:08 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	5.66	168	186234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126265	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	122316	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
35) Dibromofluoromethane	5.49	113	91611	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	8.71	98	386321	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	137813	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	

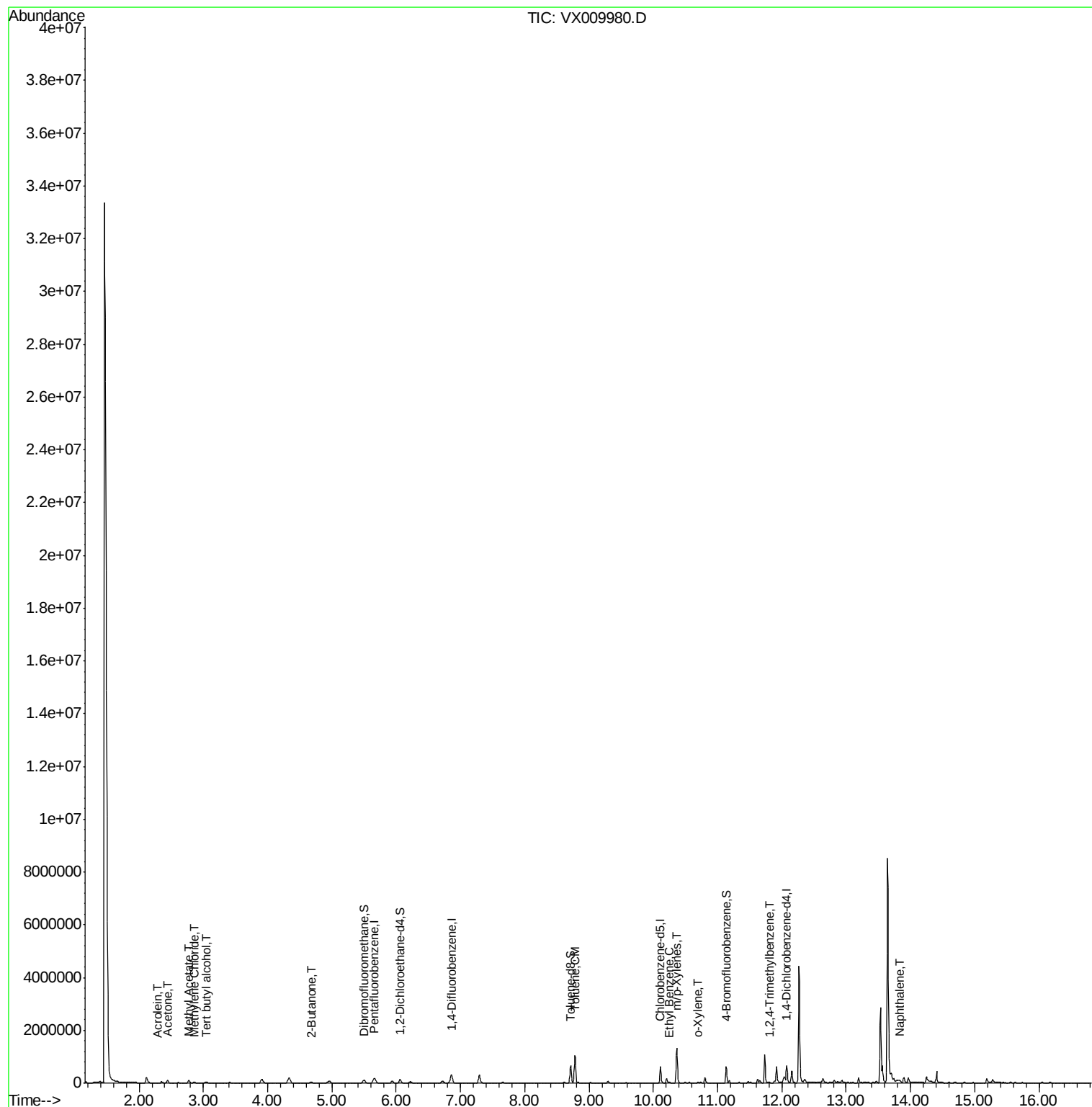
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	60727	93.799	ug/l	99
13) Acrolein	2.29	56	1734	24.557	ug/l	95
16) Acetone	2.44	43	108409	71.323	ug/l	99
18) Methyl Acetate	2.77	43	123192	34.832	ug/l	99
20) Methylene Chloride	2.85	84	20811	8.941	ug/l	95
25) 2-Butanone	4.68	43	47649	20.121	ug/l	100
52) Toluene	8.78	92	377395	68.022	ug/l	100
67) Ethyl Benzene	10.25	91	10511	1.012	ug/l	96
68) m/p-Xylenes	10.35	106	20156	5.255	ug/l	99
69) o-Xylene	10.69	106	8025	2.182	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	11361	1.425	ug/l	88
95) Naphthalene	13.83	128	21885	2.361	ug/l	97

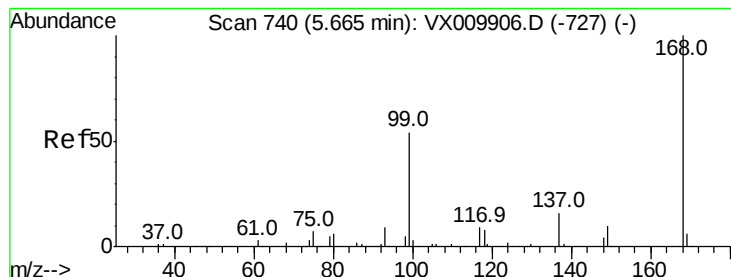
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

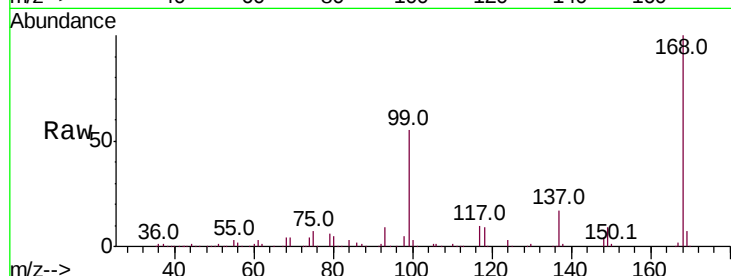
COMP-3

Tot Ion:168 Resp: 186234

Ion Ratio Lower Upper

168 100

99 55.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

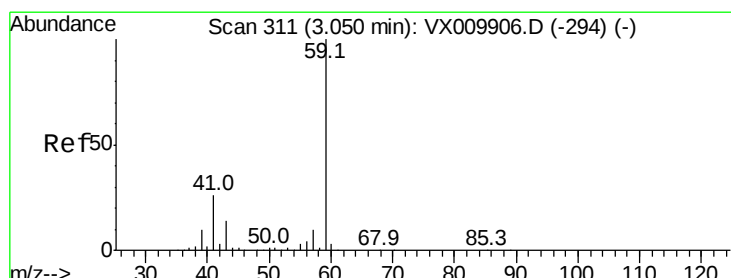
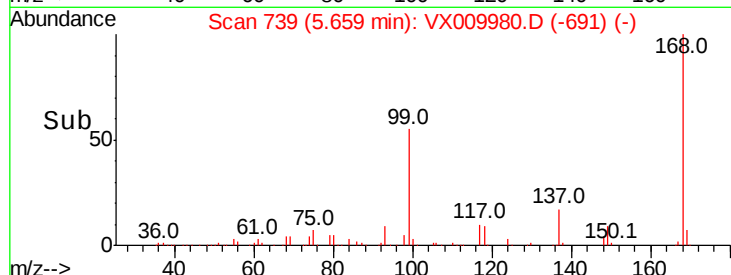
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 93.799 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009980.D

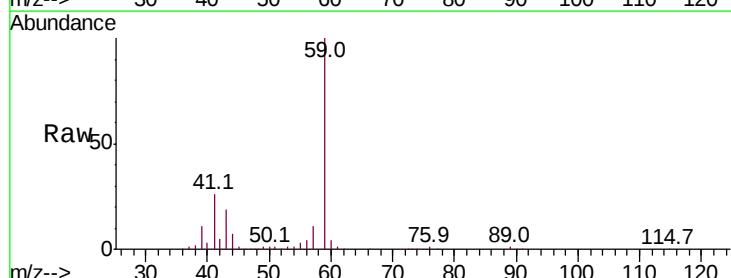
Acq: 31 May 2019 12:48

Tgt Ion: 59 Resp: 60727

Ion Ratio Lower Upper

59 100

57 10.7 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

30000

25000

20000

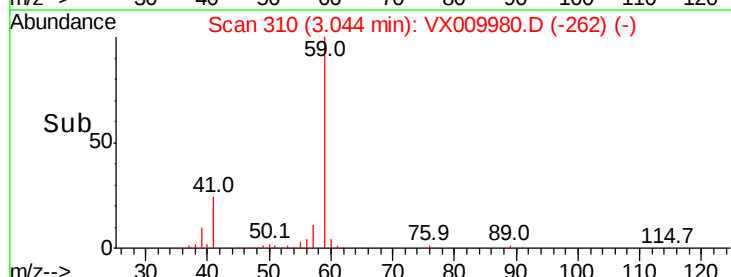
15000

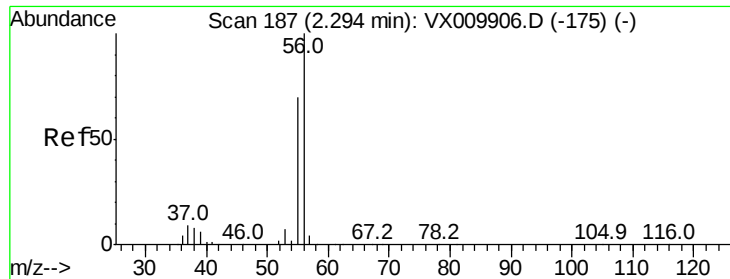
10000

5000

0

Time--> 2.90 3.00 3.10





#13

Acrolein

Concen: 24.557 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

Instrument :

MSVOA_X

ClientSampled :

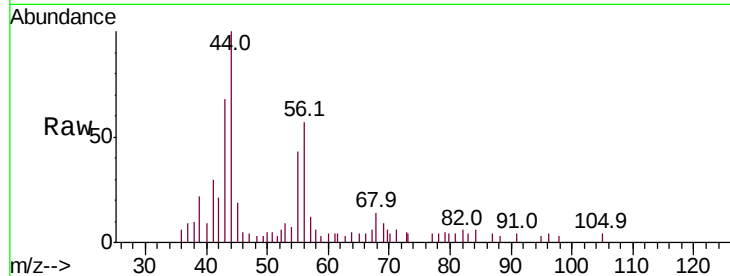
COMP-3

Tot Ion: 56 Resp: 1734

Ion Ratio Lower Upper

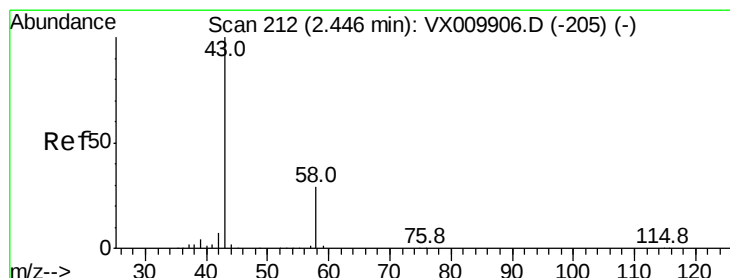
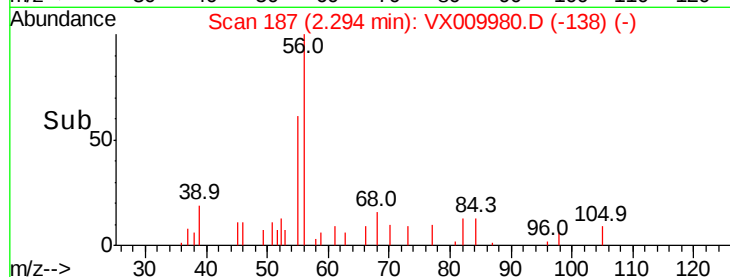
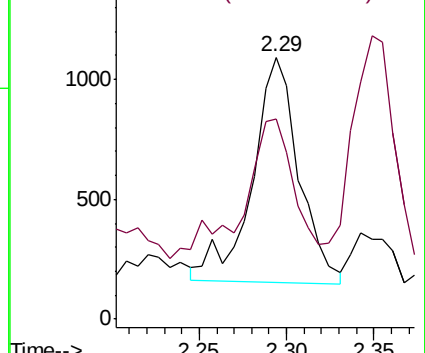
56 100

55 75.4 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 71.323 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009980.D

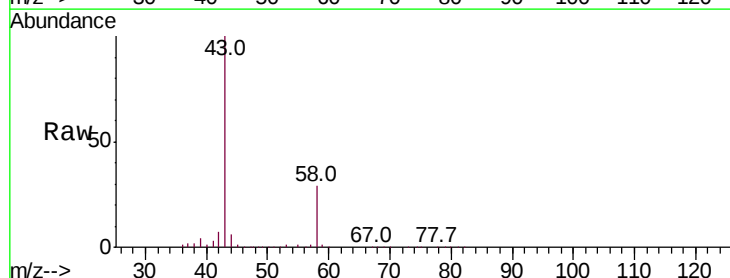
Acq: 31 May 2019 12:48

Tgt Ion: 43 Resp: 108409

Ion Ratio Lower Upper

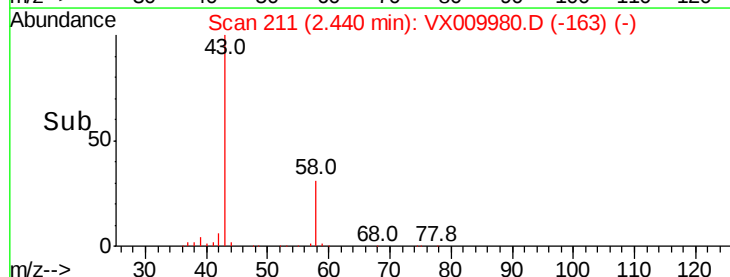
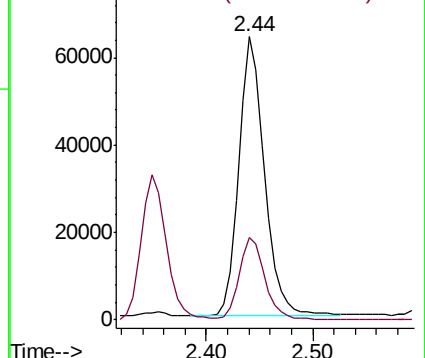
43 100

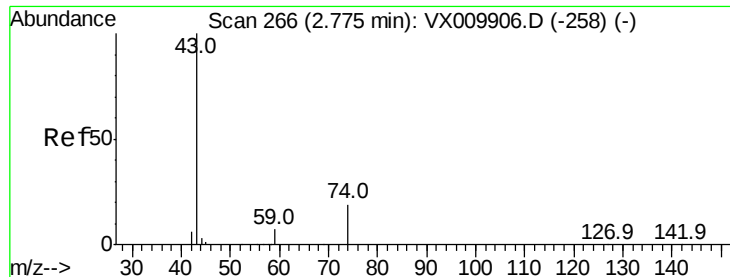
58 29.5 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methvl Acetate

Concen: 34.832 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

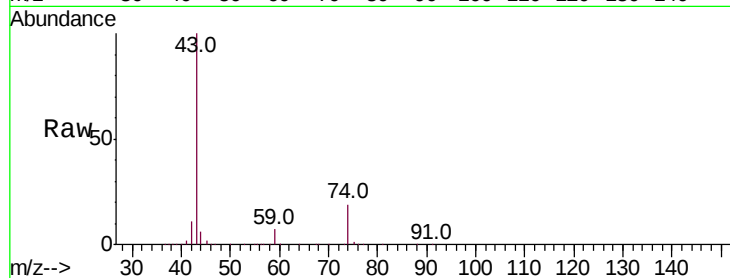
COMP-3

Tot Ion: 43 Resp: 123192

Ion Ratio Lower Upper

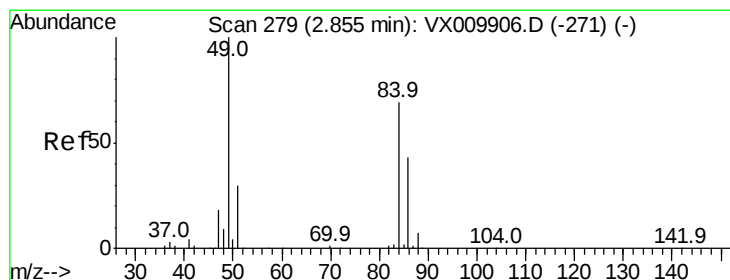
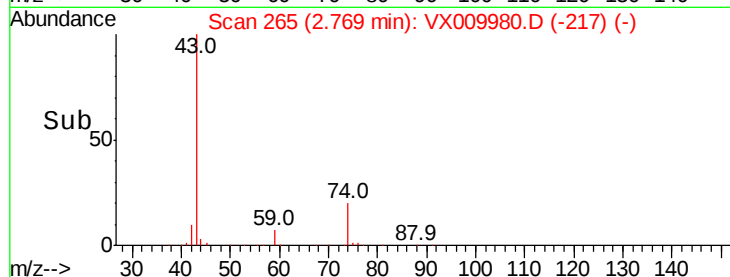
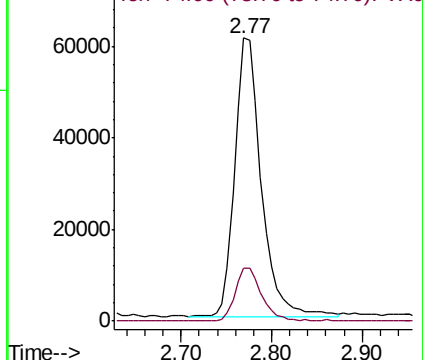
43 100

74 19.1 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 8.941 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

Tgt Ion: 84 Resp: 20811

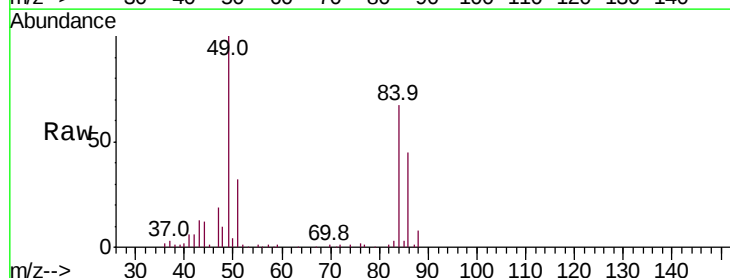
Ion Ratio Lower Upper

84 100

49 149.4 115.8 173.6

51 47.6 34.4 51.6

86 67.8 49.7 74.5

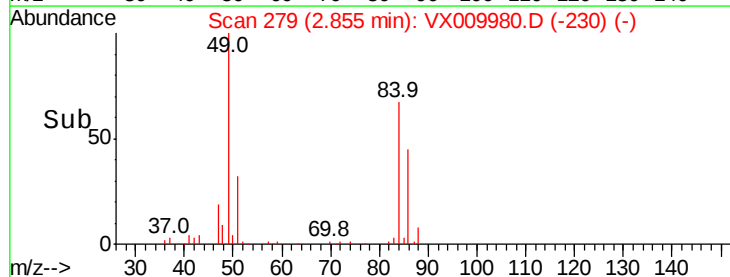
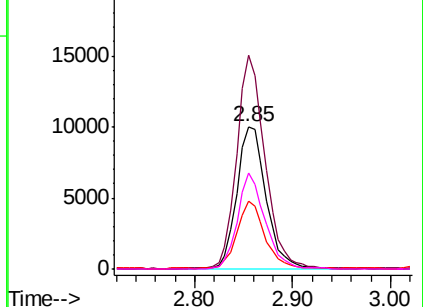


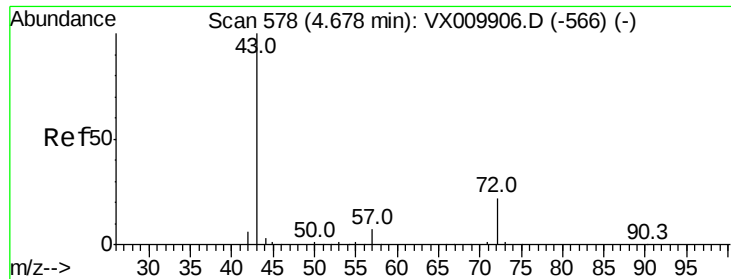
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 20.121 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

Instrument :

MSVOA_X

ClientSampled :

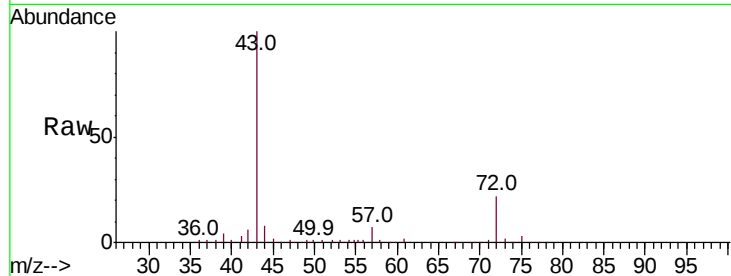
COMP-3

Tot Ion: 43 Resp: 47649

Ion Ratio Lower Upper

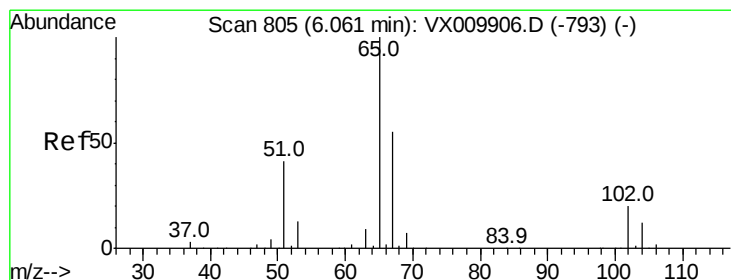
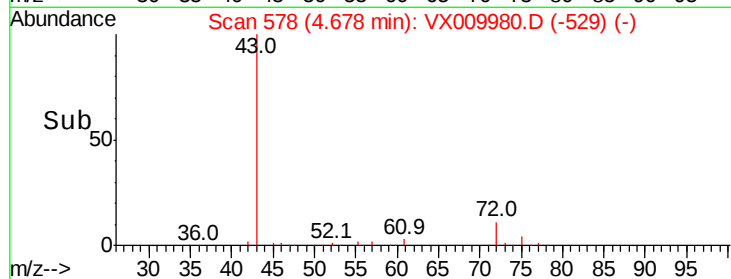
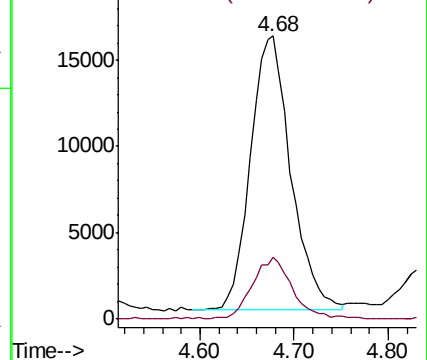
43 100

72 22.1 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: 46.495 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009980.D

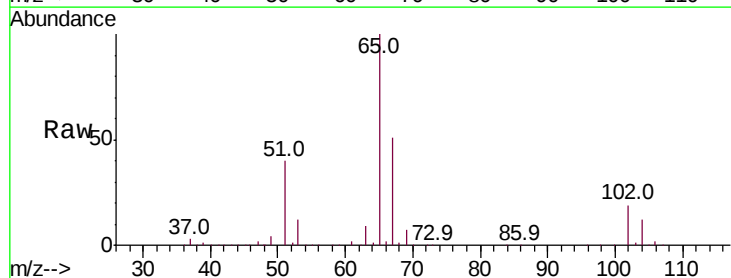
Acq: 31 May 2019 12:48

Tgt Ion: 65 Resp: 122316

Ion Ratio Lower Upper

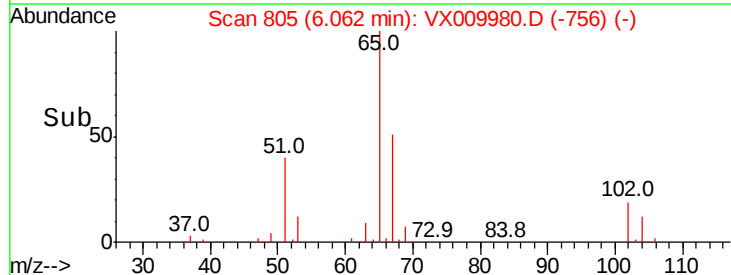
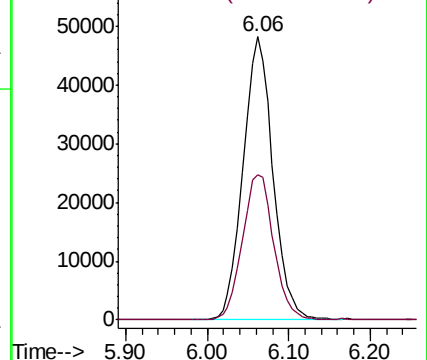
65 100

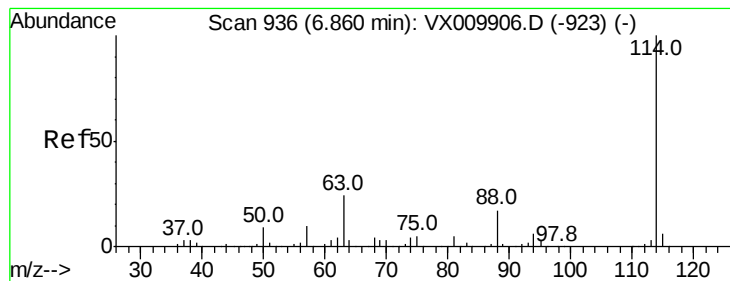
67 53.8 0.0 108.4



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: VX009980.D

Acq: 31 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

COMP-3

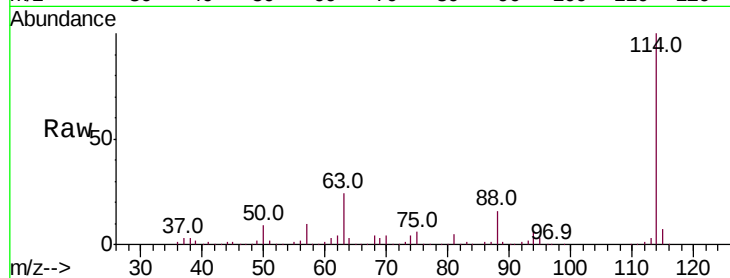
Tot Ion:114 Resp: 303602

Ion Ratio Lower Upper

114 100

63 23.6 0.0 47.4

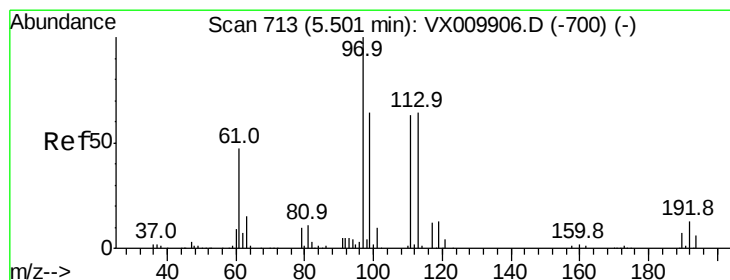
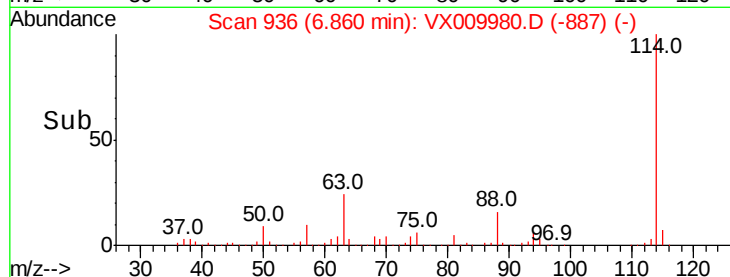
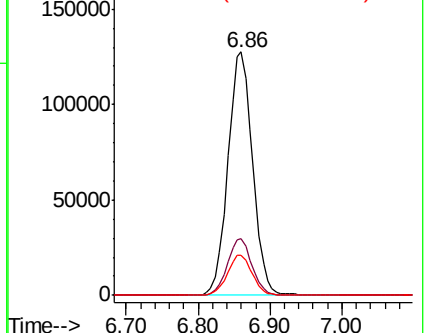
88 16.4 0.0 33.0



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: 47.995 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

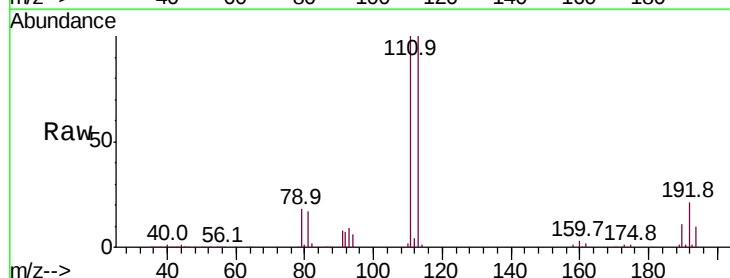
Tgt Ion:113 Resp: 91611

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

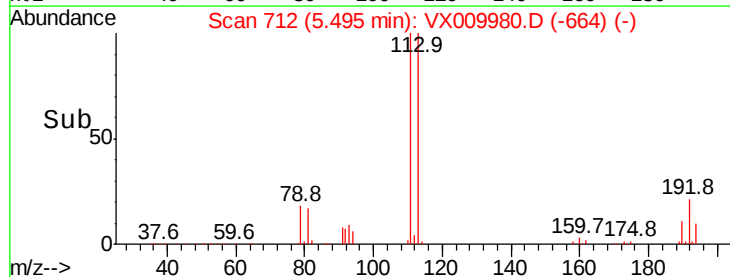
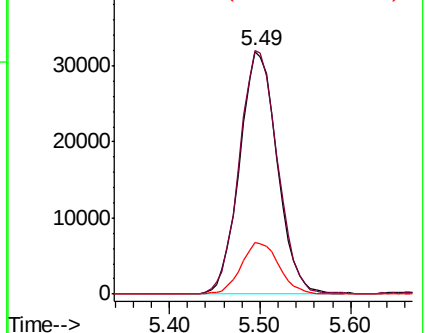
192 21.5 17.1 25.7

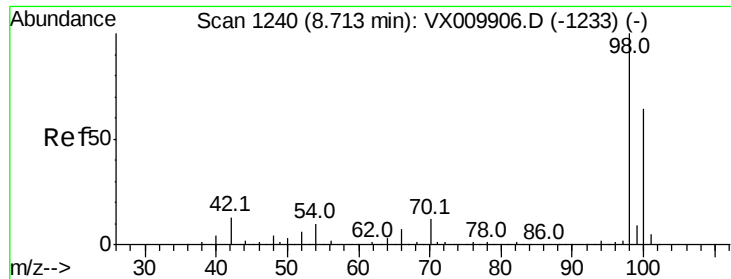


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

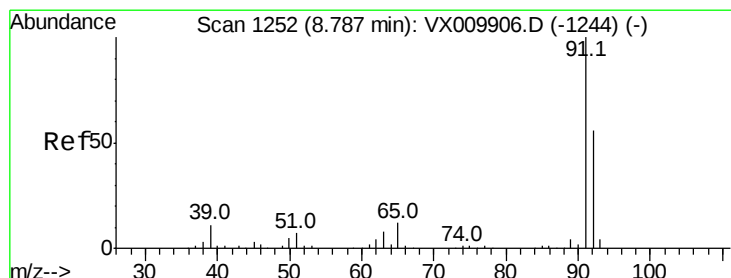
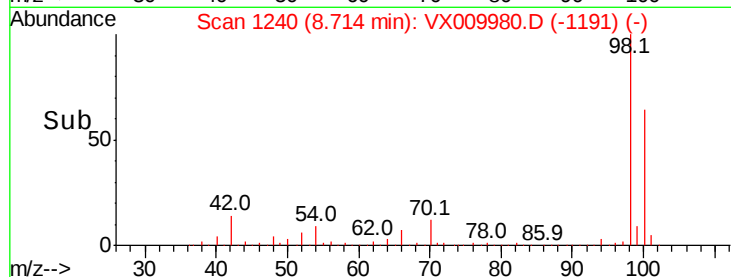
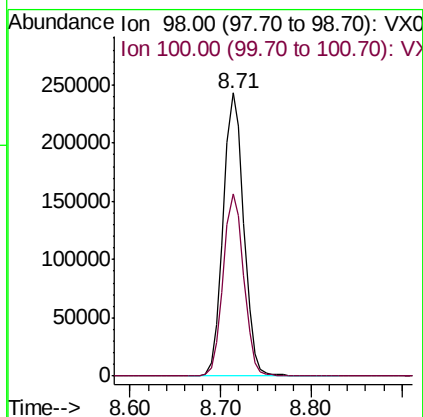
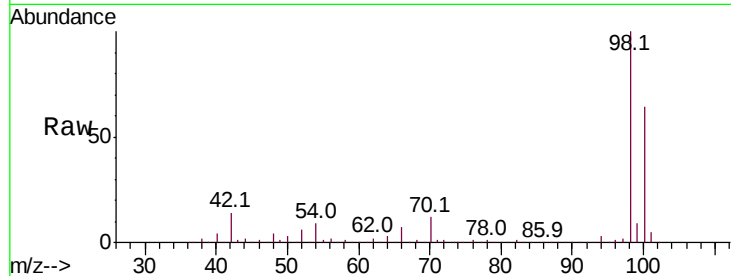




#50
Toluene-d8
Concen: 49.841 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009980.D
Acq: 31 May 2019 12:48

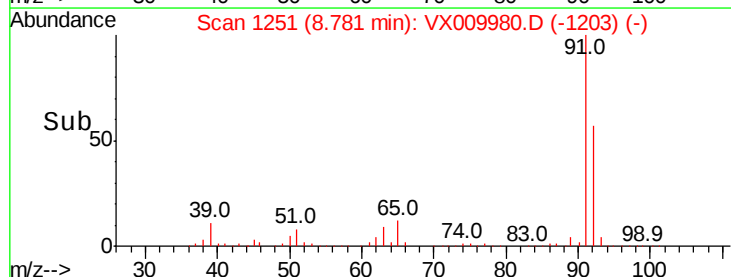
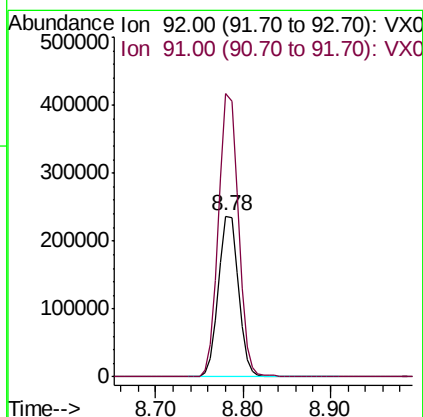
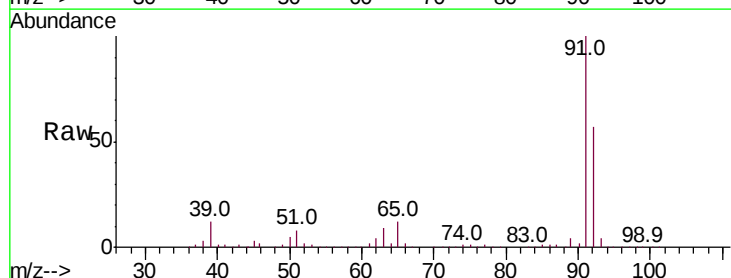
Instrument :
MSVOA_X
ClientSampled :
COMP-3

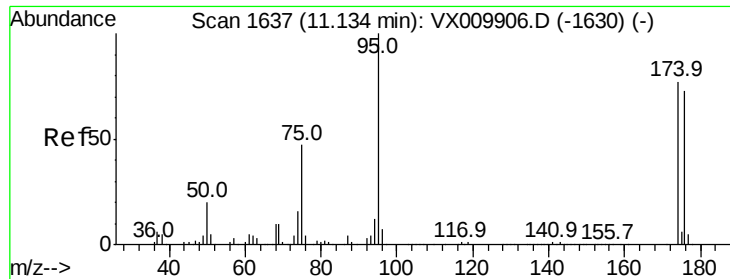
Tot Ion: 98 Resp: 386321
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#52
Toluene
Concen: 68.022 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009980.D
Acq: 31 May 2019 12:48

Tgt Ion: 92 Resp: 377395
Ion Ratio Lower Upper
92 100
91 174.2 139.9 209.9





#62

4-Bromofluorobenzene

Concen: 49.501 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

COMP-3

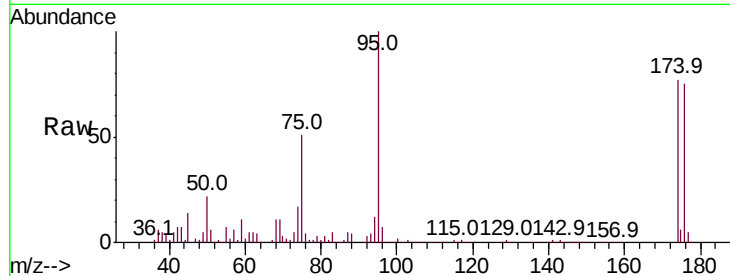
Tot Ion: 95 Resp: 137813

Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.4

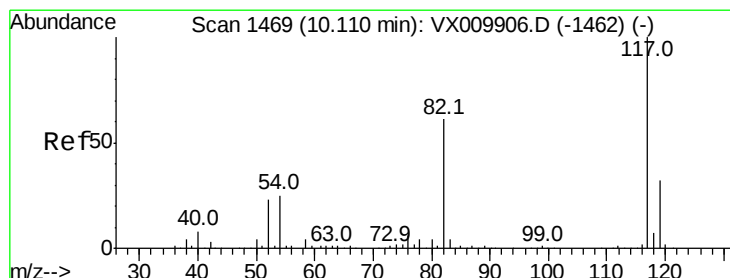
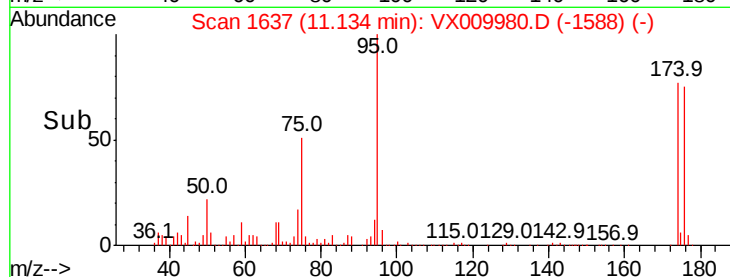
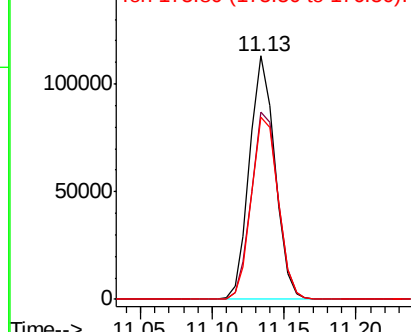
176 78.7 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009980.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009980.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009980.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

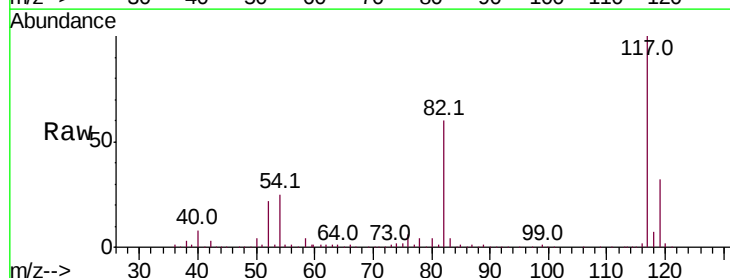
Tgt Ion: 117 Resp: 276201

Ion Ratio Lower Upper

117 100

82 59.6 49.2 73.8

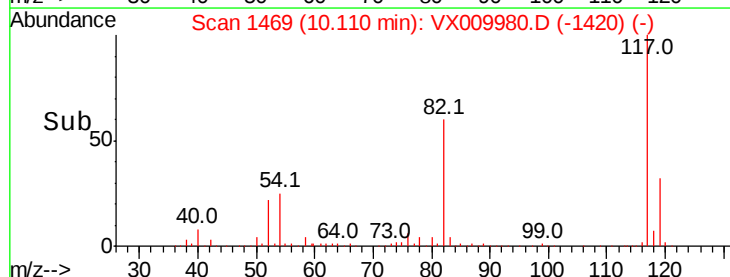
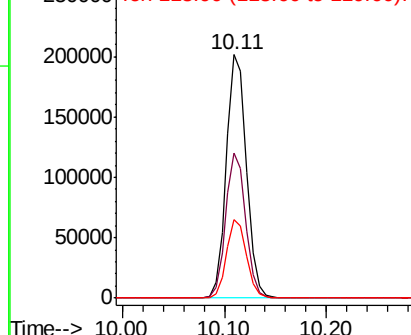
119 32.1 25.2 37.8

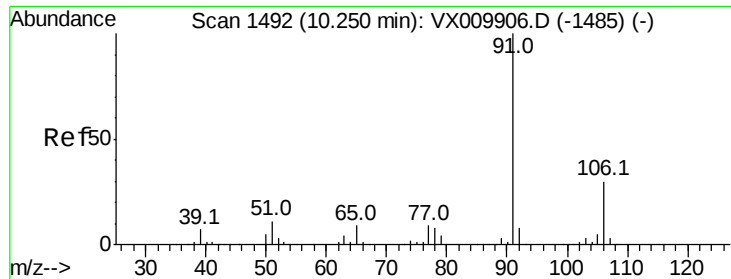


Abundance Ion 116.90 (116.60 to 117.60): VX009980.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009980.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009980.D (-1420) (-)





#67

Ethyl Benzene

Concen: 1.012 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

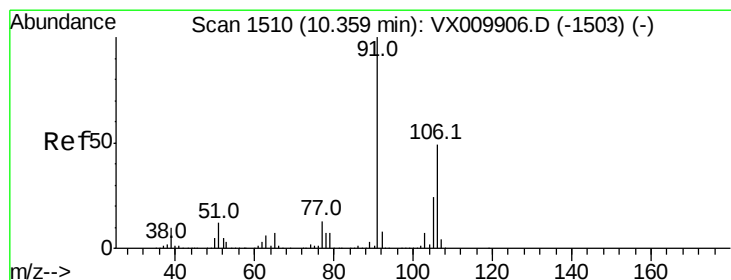
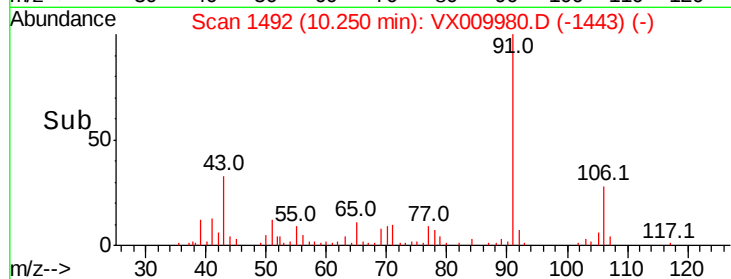
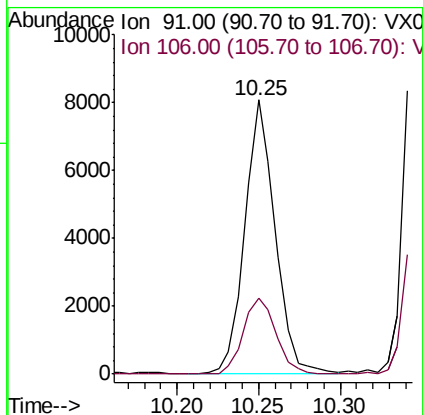
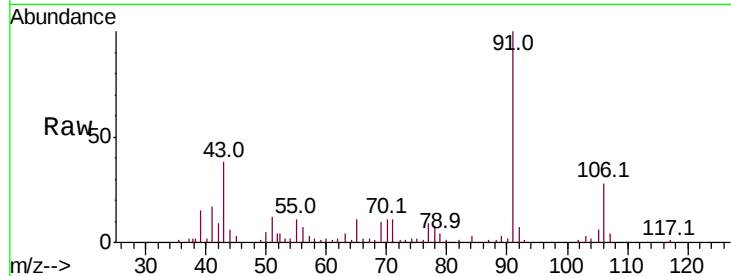
COMP-3

Tot Ion: 91 Resp: 10511

Ion Ratio Lower Upper

91 100

106 27.8 23.9 35.9



#68

m/p-Xylenes

Concen: 5.255 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009980.D

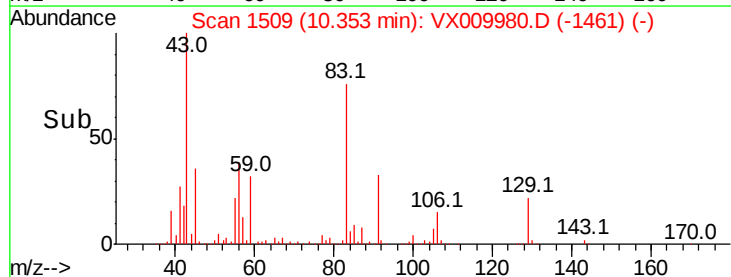
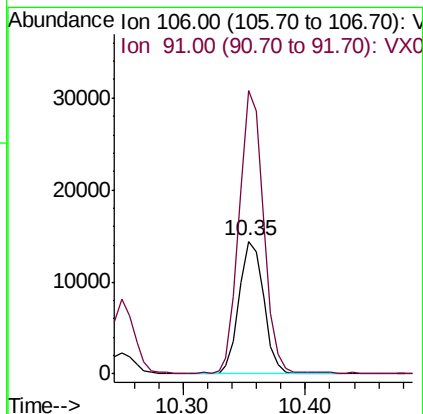
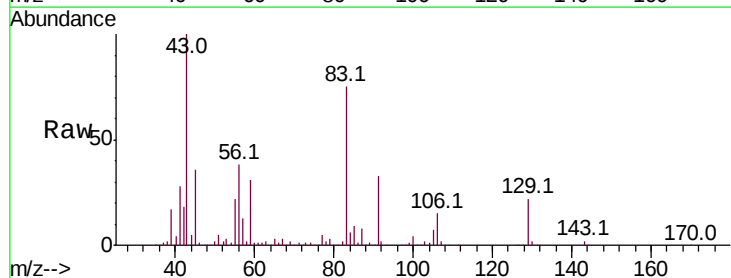
Acq: 31 May 2019 12:48

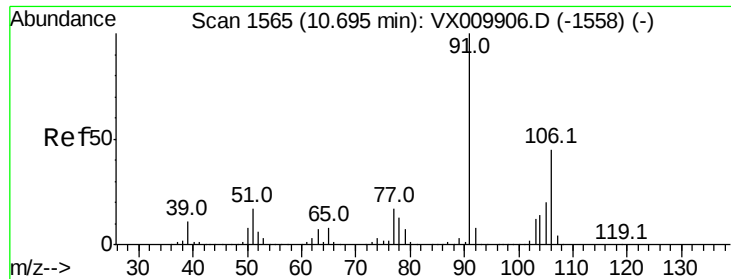
Tgt Ion: 106 Resp: 20156

Ion Ratio Lower Upper

106 100

91 210.2 167.3 250.9

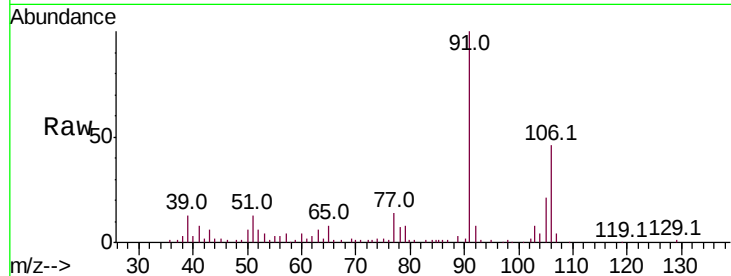




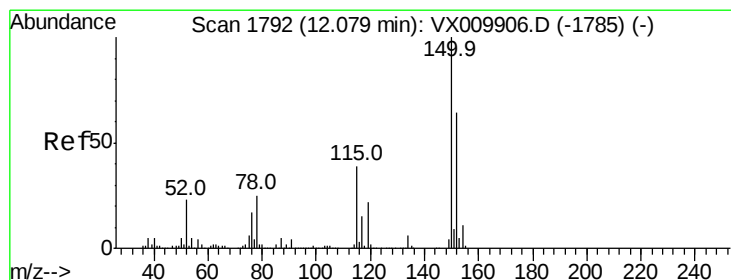
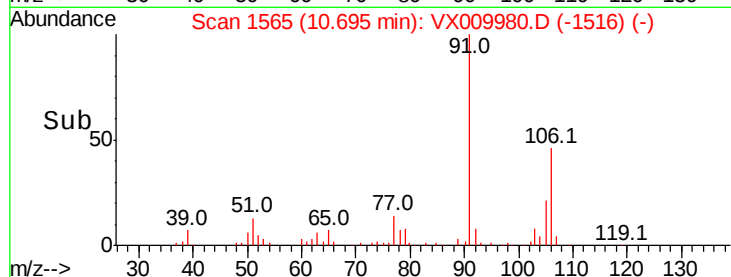
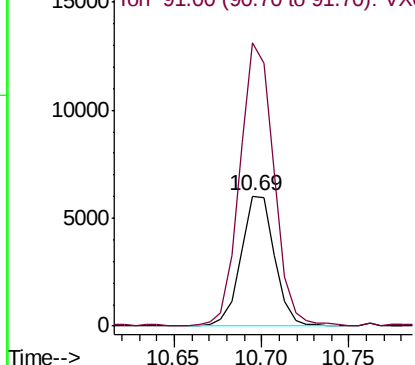
#69
o-Xylene
Concen: 2.182 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009980.D
Acq: 31 May 2019 12:48

Instrument :
MSVOA_X
ClientSampled :
COMP-3

Tot Ion:106 Resp: 8025
Ion Ratio Lower Upper
106 100
91 221.2 110.4 331.2

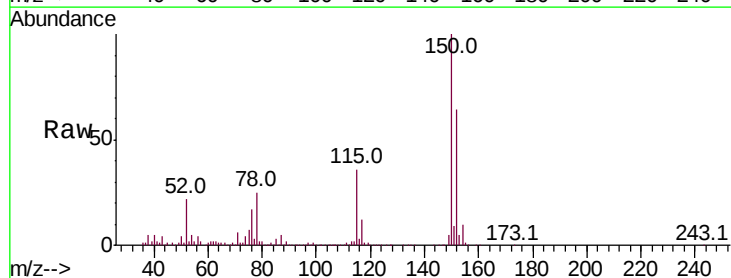


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

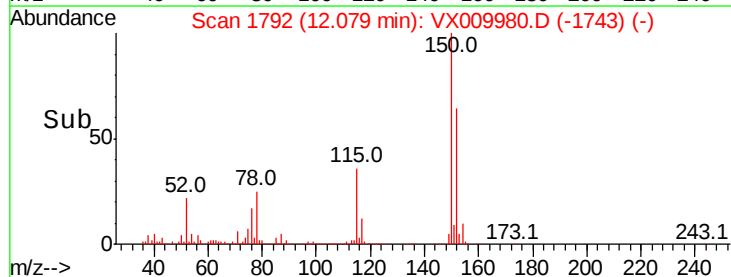
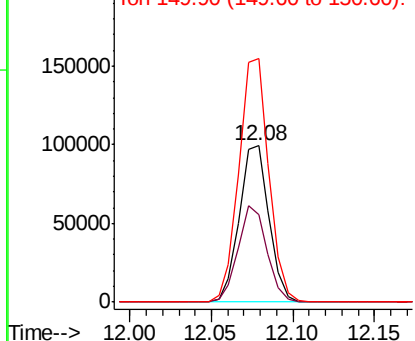


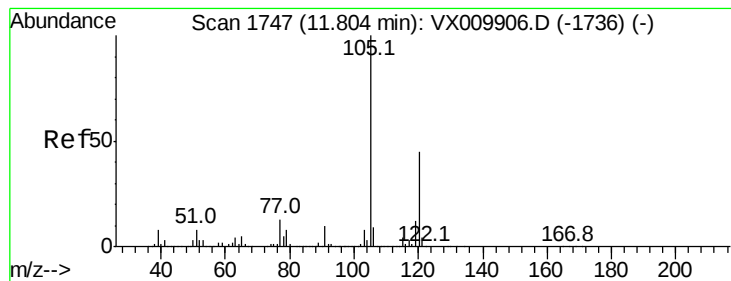
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009980.D
Acq: 31 May 2019 12:48

Tgt Ion:152 Resp: 126265
Ion Ratio Lower Upper
152 100
115 59.9 41.4 124.2
150 156.9 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





#84

1,2,4-Trimethylbenzene

Concen: 1.425 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

Instrument :

MSVOA_X

ClientSampled :

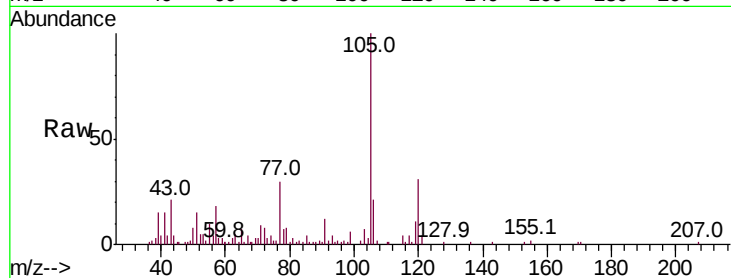
COMP-3

Tot Ion:105 Resp: 11361

Ion Ratio Lower Upper

105 100

120 36.3 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

10000

8000

6000

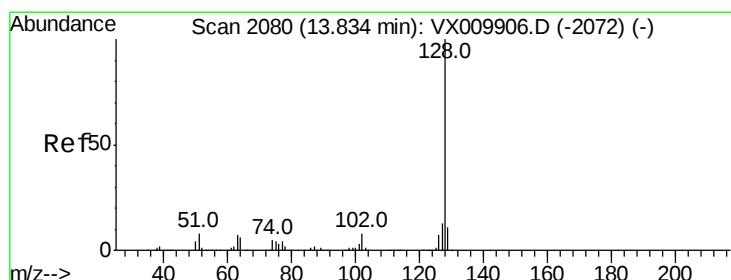
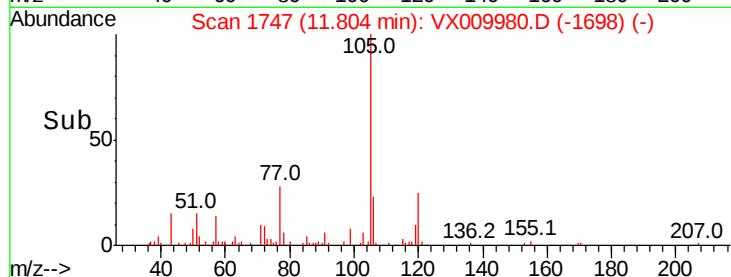
4000

2000

0

Time-->

11.75 11.80 11.85



#95

Naphthalene

Concen: 2.361 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009980.D

Acq: 31 May 2019 12:48

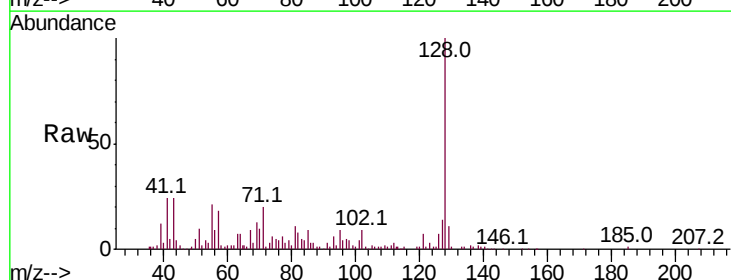
Tgt Ion:128 Resp: 21885

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

129 12.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83

20000

15000

10000

5000

0

Time-->

13.75 13.80 13.85 13.90

