

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO051019\
 Data File : VX009501.D
 Acq On : 10 May 2019 23:10
 Operator : JC/SP
 Sample : K2795-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRUCK-803

Quant Time: May 11 04:18:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	184507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	294557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120187	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	120208	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
35) Dibromofluoromethane	5.50	113	89502	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	8.71	98	373377	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.13	95	128209	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

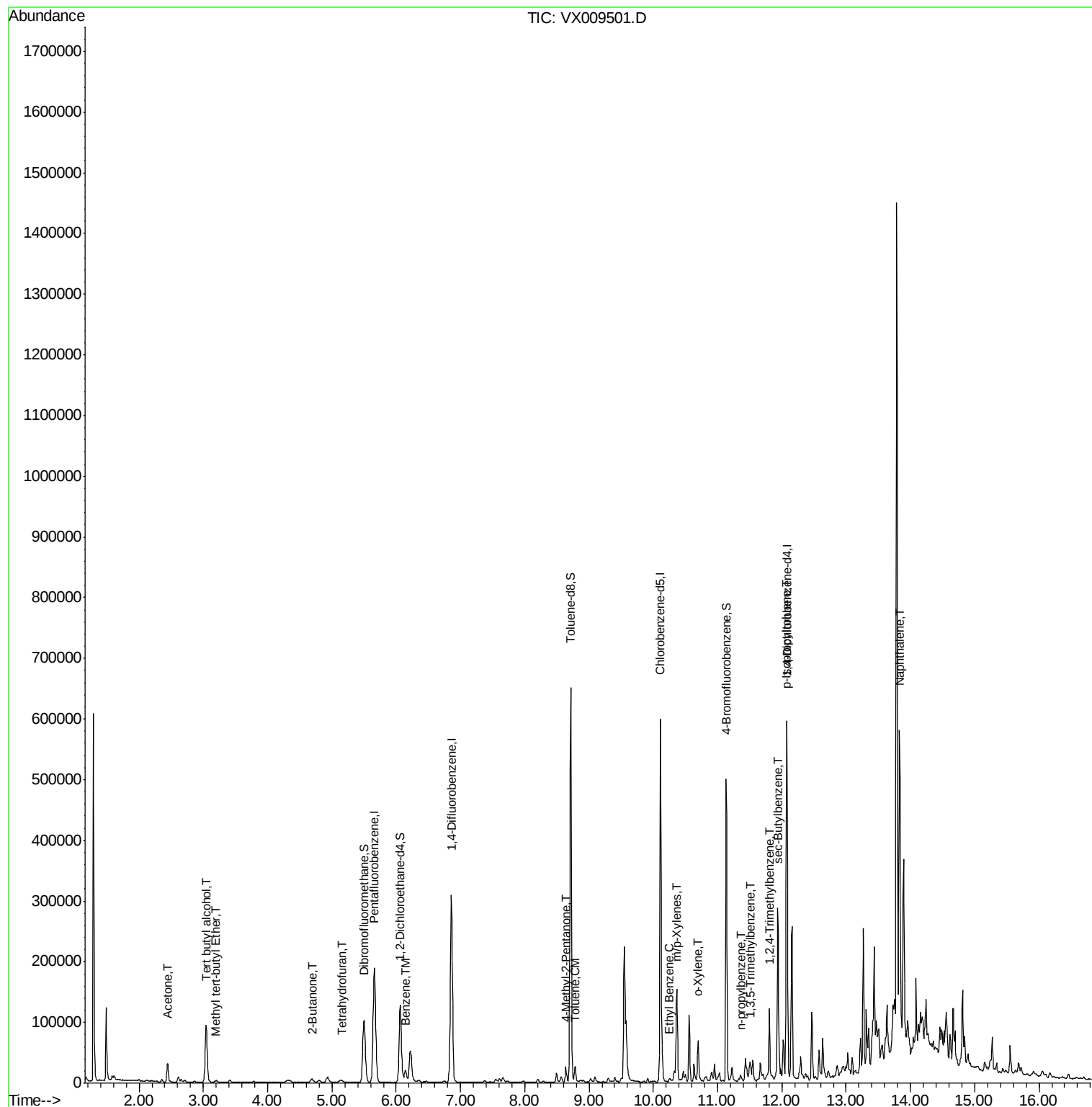
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	107272	183.992	ug/l	99
16) Acetone	2.44	43	33959	25.109	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	2937	0.437	ug/l	100
25) 2-Butanone	4.69	43	7630	3.630	ug/l	99
29) Tetrahydrofuran	5.15	42	2535	1.874	ug/l	97
40) Benzene	6.14	78	21608	2.551	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	15608	3.914	ug/l	98
52) Toluene	8.79	92	9090	1.765	ug/l	95
67) Ethyl Benzene	10.25	91	3846	0.398	ug/l	92
68) m/p-Xylenes	10.35	106	7786	2.203	ug/l	93
69) o-Xylene	10.69	106	13615	3.905	ug/l	98
78) n-propylbenzene	11.36	91	4940	0.495	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	12464	1.694	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	45357	6.140	ug/l	91
85) sec-Butylbenzene	11.94	105	2506	0.295	ug/l #	18
86) p-Isopropyltoluene	12.07	119	5722	0.750	ug/l	90
95) Naphthalene	13.83	128	159756	18.231	ug/l	99

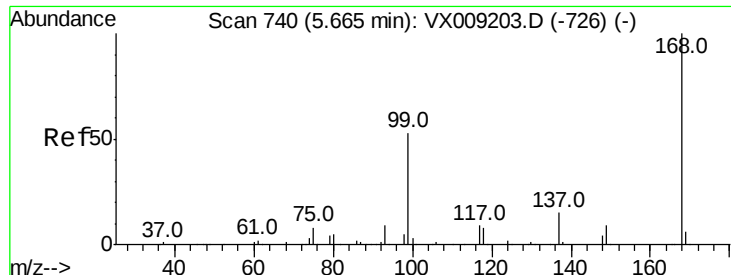
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051019\
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Quant Time: May 11 04:18:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

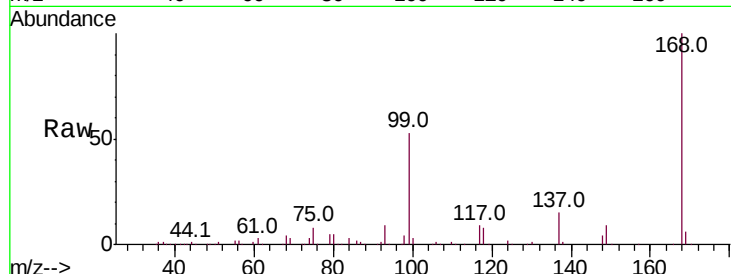
TRUCK-803

Tot Ion:168 Resp: 184507

Ion Ratio Lower Upper

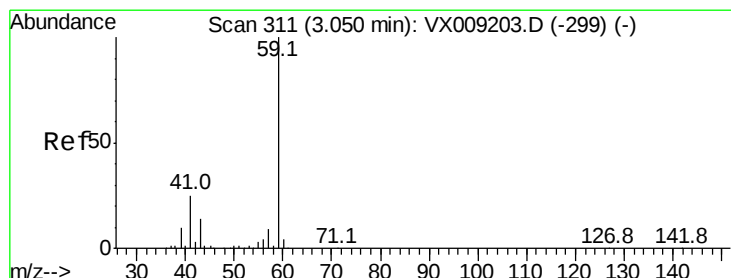
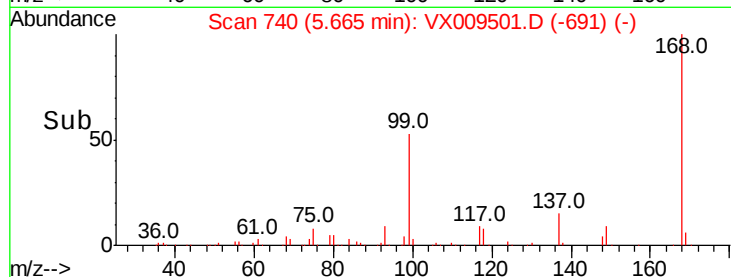
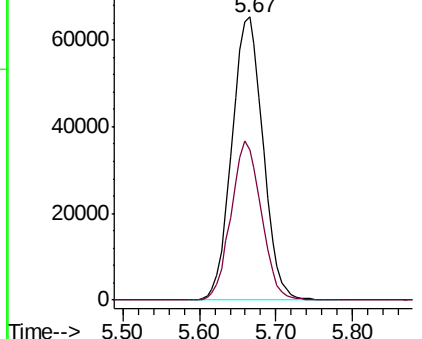
168 100

99 53.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 183.992 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009501.D

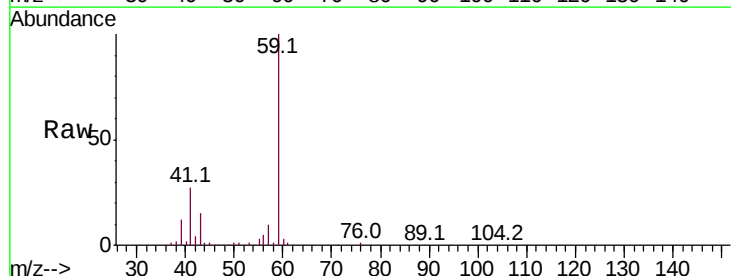
Acq: 10 May 2019 23:10

Tgt Ion: 59 Resp: 107272

Ion Ratio Lower Upper

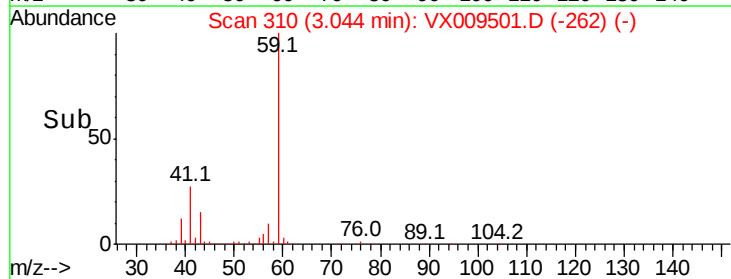
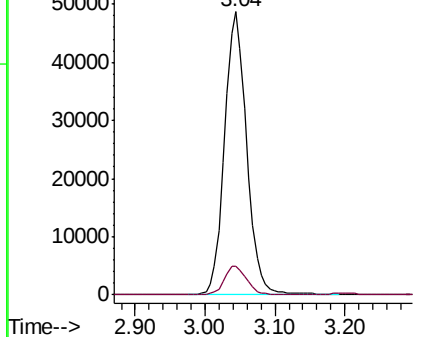
59 100

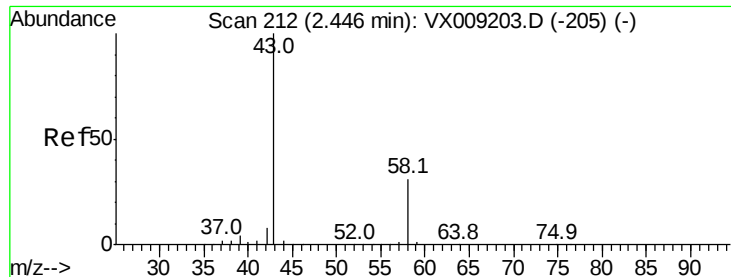
57 10.5 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 25.109 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

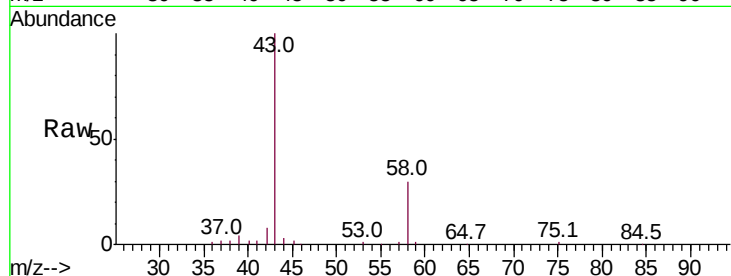
TRUCK-803

Tot Ion: 43 Resp: 33959

Ion Ratio Lower Upper

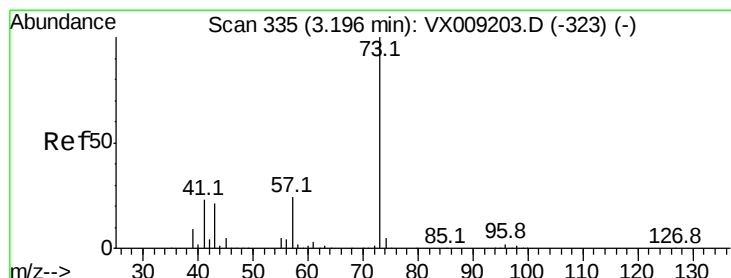
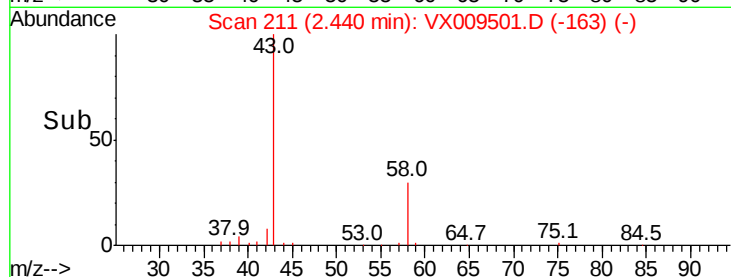
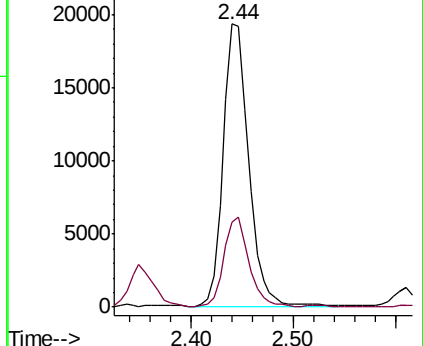
43 100

58 29.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 0.437 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX009501.D

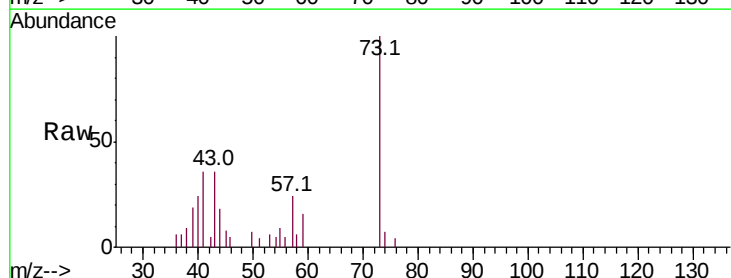
Acq: 10 May 2019 23:10

Tgt Ion: 73 Resp: 2937

Ion Ratio Lower Upper

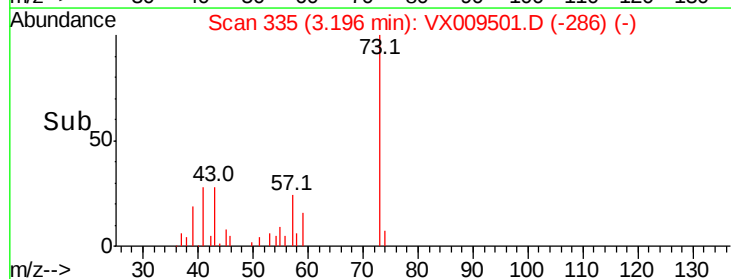
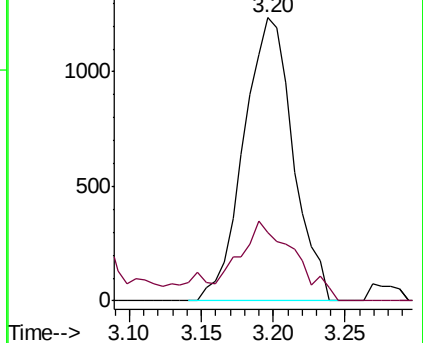
73 100

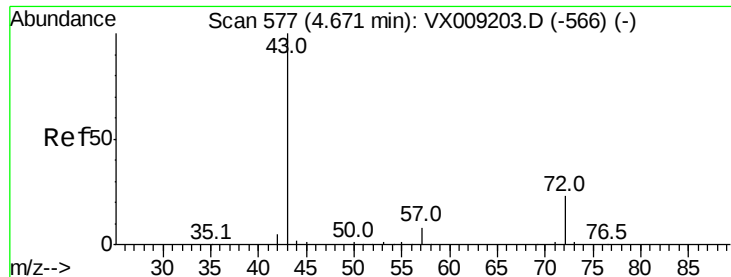
57 24.2 19.3 28.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#25

2-Butanone

Concen: 3.630 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

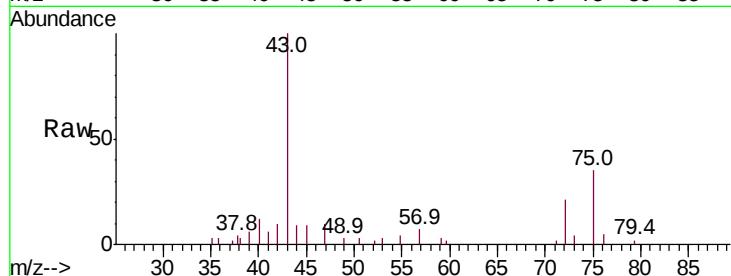
TRUCK-803

Tot Ion: 43 Resp: 7630

Ion Ratio Lower Upper

43 100

72 22.2 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

3000

2500

2000

1500

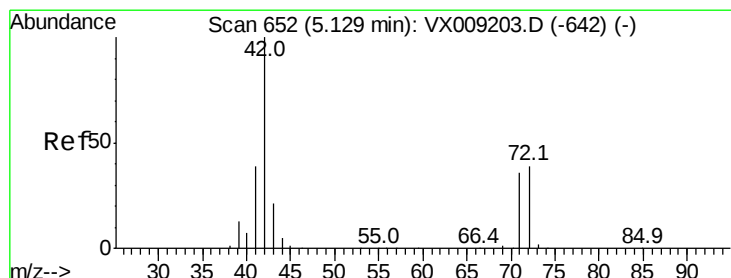
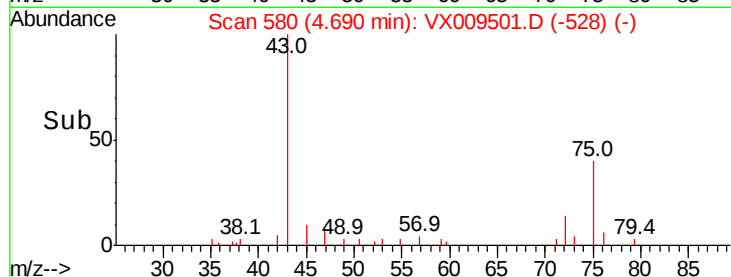
1000

500

0

Time-->

4.60 4.65 4.70 4.75 4.80



#29

Tetrahydrofuran

Concen: 1.874 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

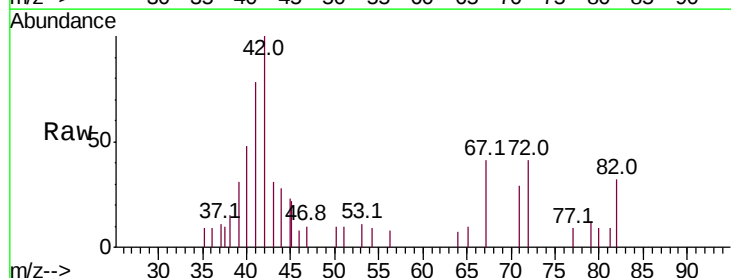
Tgt Ion: 42 Resp: 2535

Ion Ratio Lower Upper

42 100

72 38.5 30.4 45.6

71 32.9 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

1000

800

600

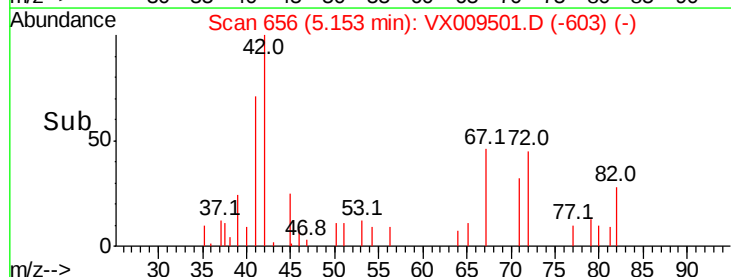
400

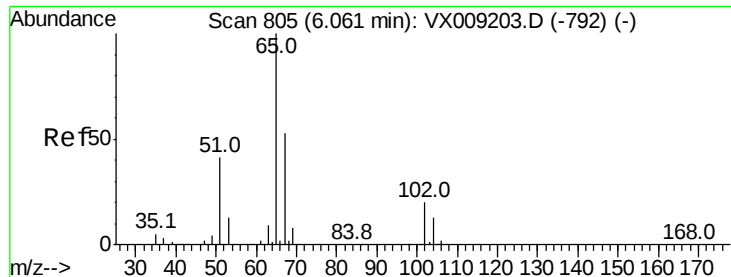
200

0

Time-->

5.05 5.10 5.15 5.20 5.25





#33

1,2-Dichloroethane-d4

Concen: 47.725 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

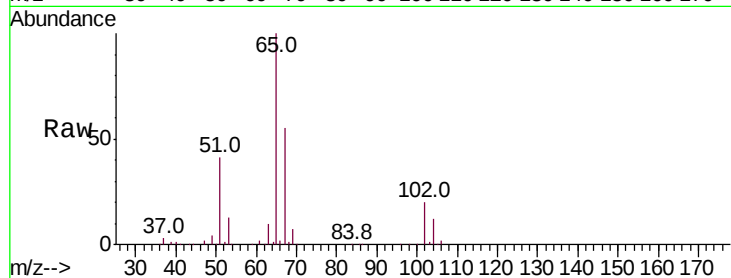
TRUCK-803

Tot Ion: 65 Resp: 120208

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

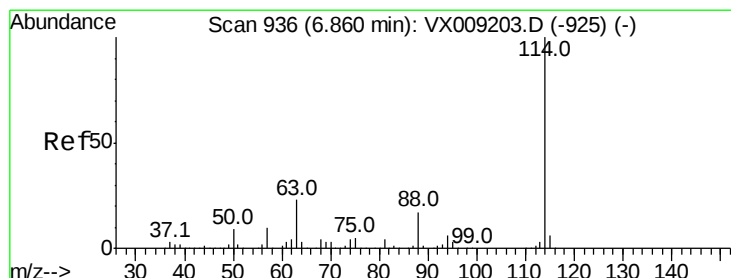
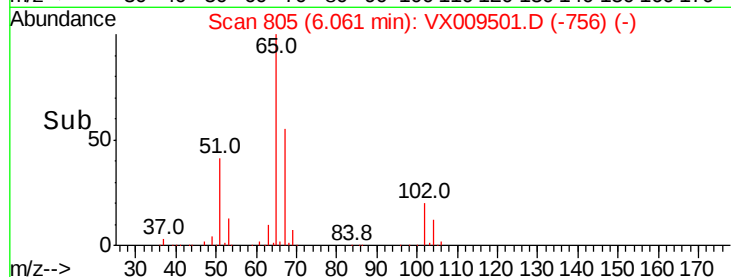
20000

10000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

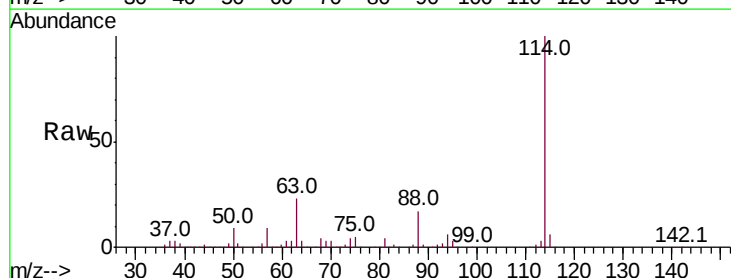
Tgt Ion:114 Resp: 294557

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.6 0.0 33.2



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

6.86

150000

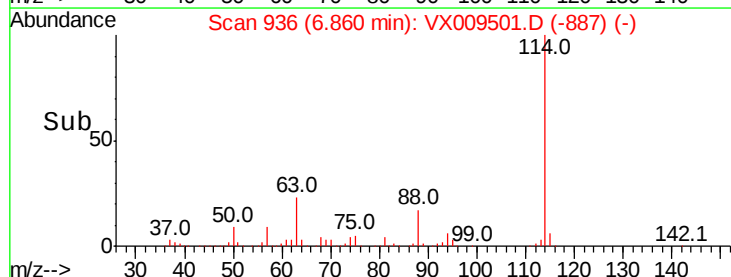
100000

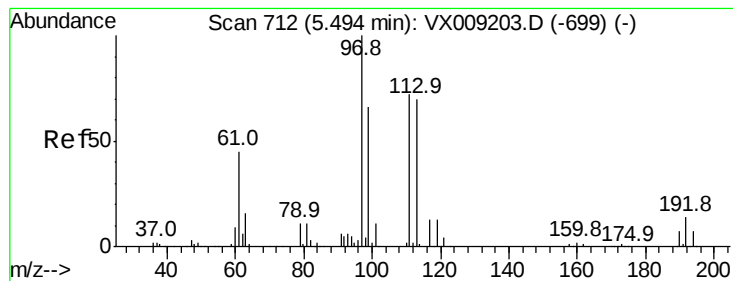
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.335 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampled :

TRUCK-803

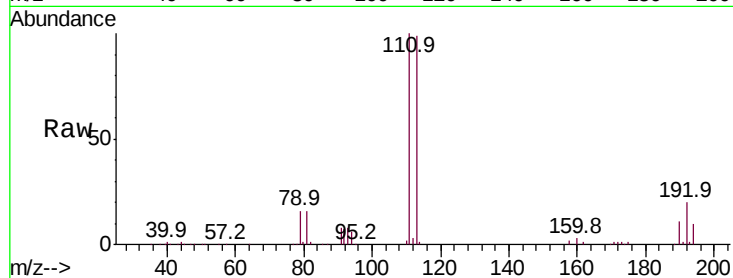
Tot Ion:113 Resp: 89502

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

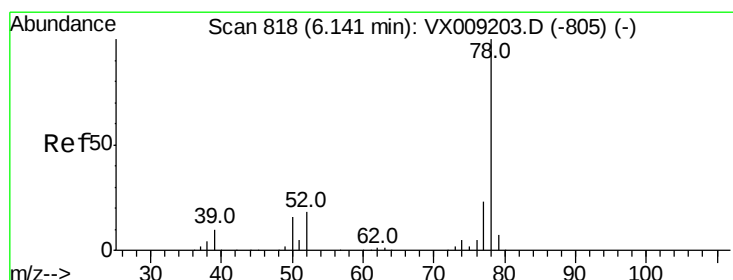
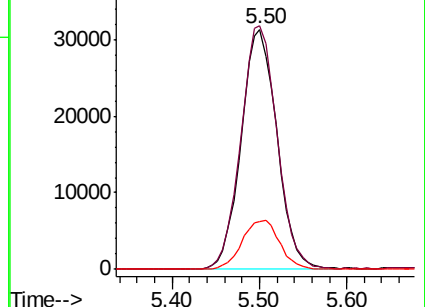
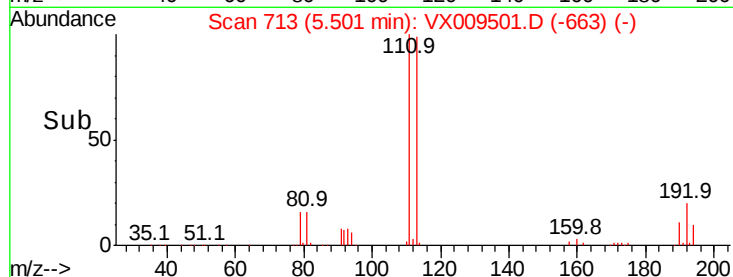
192 21.4 17.0 25.6



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



#40

Benzene

Concen: 2.551 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX009501.D

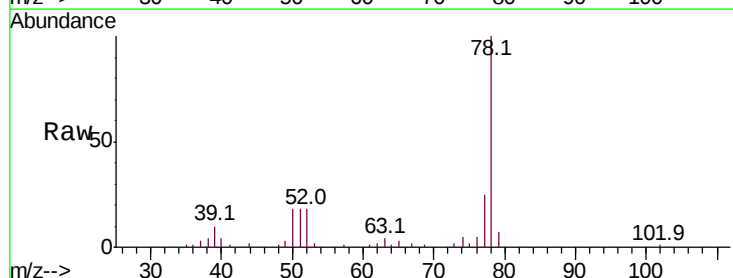
Acq: 10 May 2019 23:10

Tgt Ion: 78 Resp: 21608

Ion Ratio Lower Upper

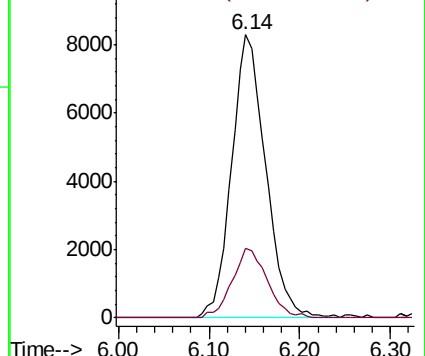
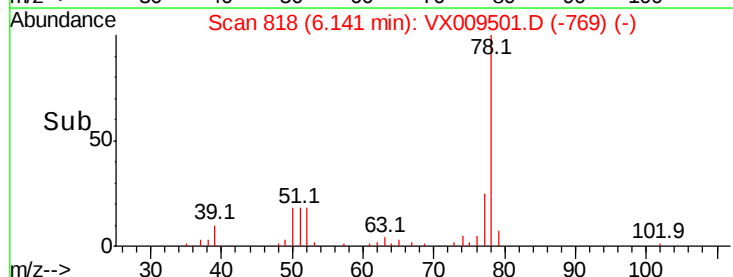
78 100

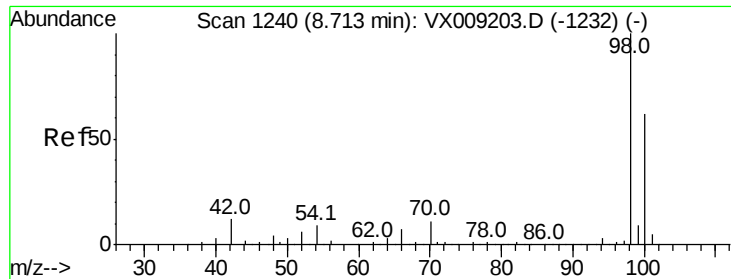
77 24.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 49.945 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampled :

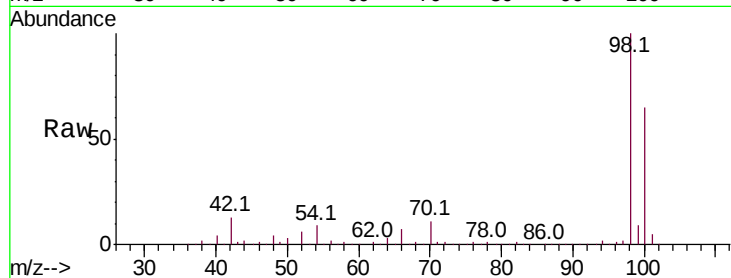
TRUCK-803

Tot Ion: 98 Resp: 373377

Ion Ratio Lower Upper

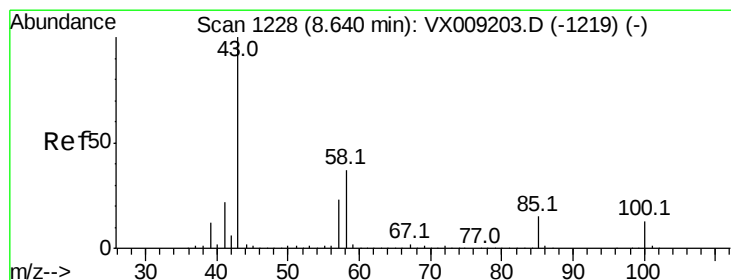
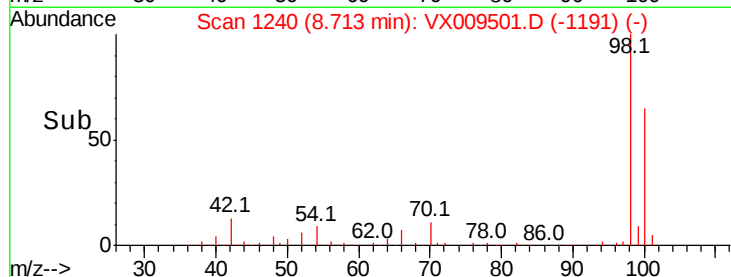
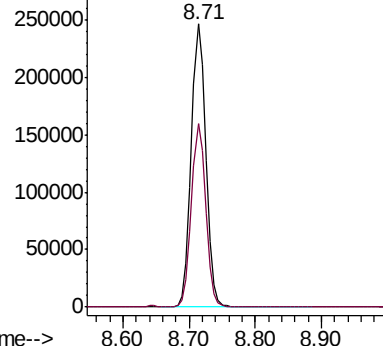
98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 3.914 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009501.D

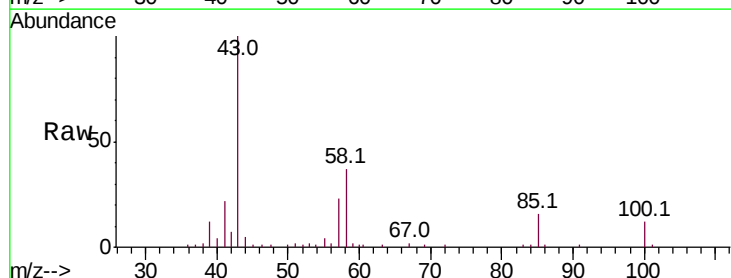
Acq: 10 May 2019 23:10

Tgt Ion: 43 Resp: 15608

Ion Ratio Lower Upper

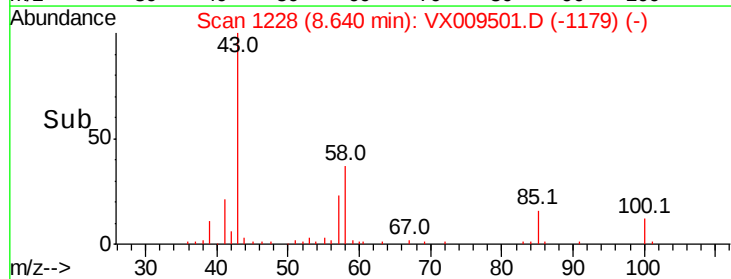
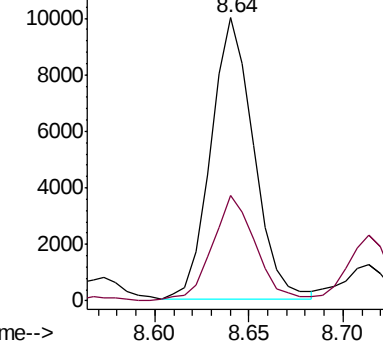
43 100

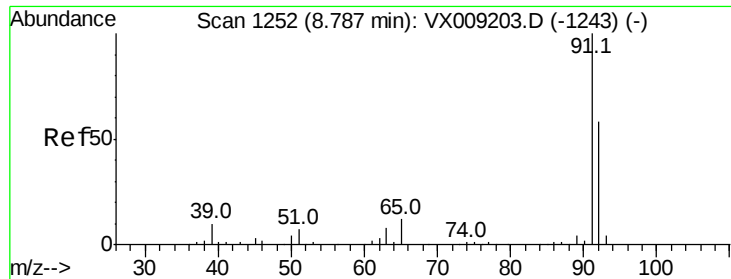
58 38.3 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 1.765 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

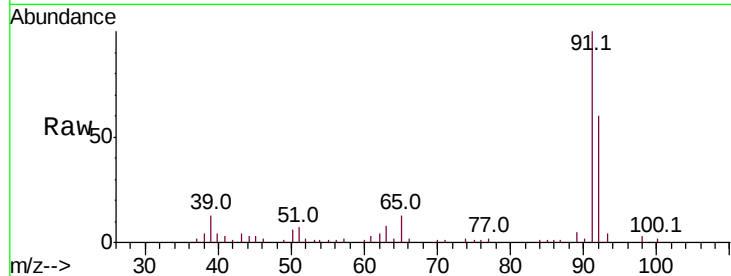
TRUCK-803

Tot Ion: 92 Resp: 9090

Ion Ratio Lower Upper

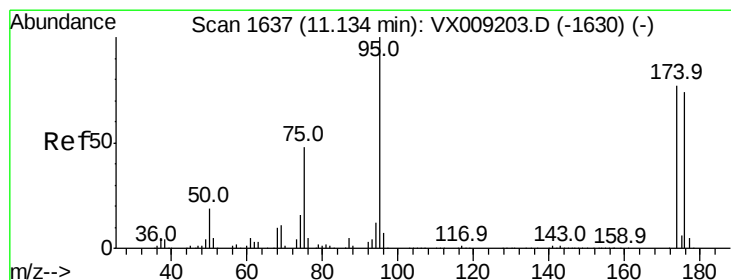
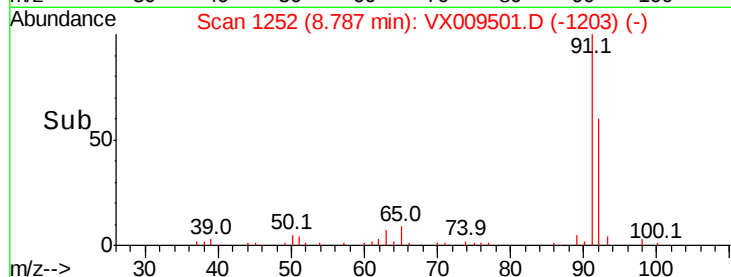
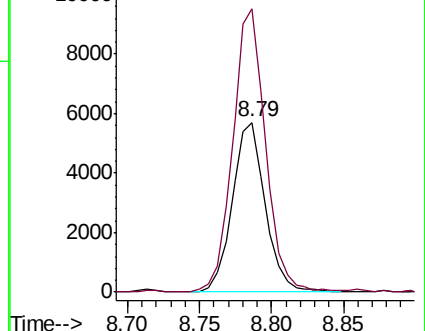
92 100

91 166.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.198 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

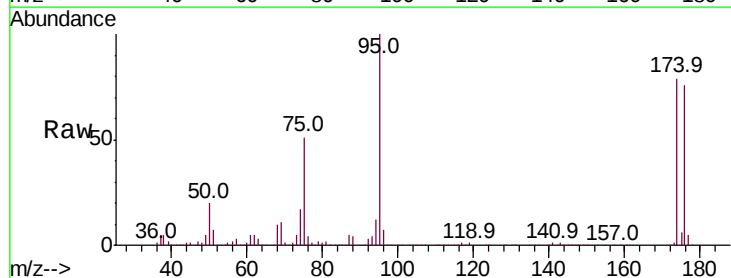
Tgt Ion: 95 Resp: 128209

Ion Ratio Lower Upper

95 100

174 83.3 0.0 161.6

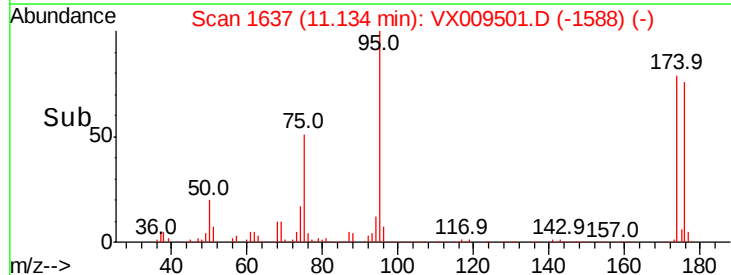
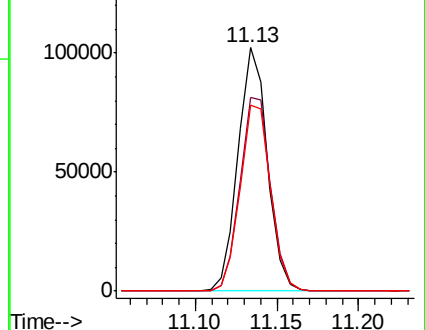
176 80.3 0.0 159.2

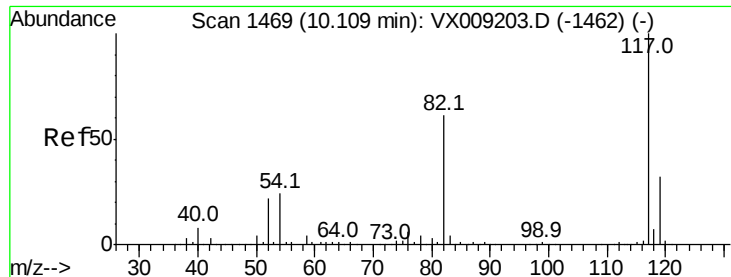


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

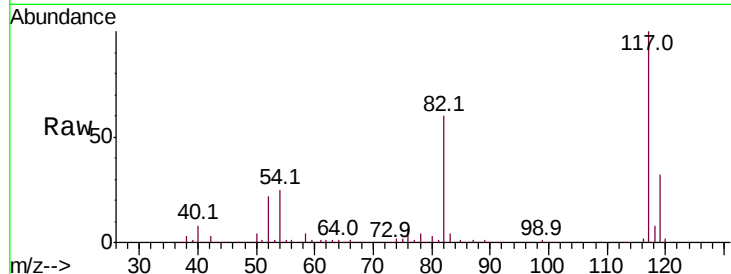




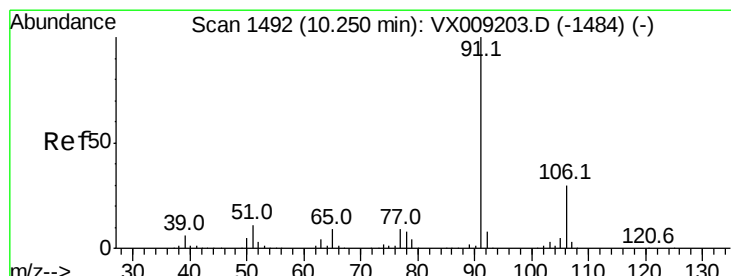
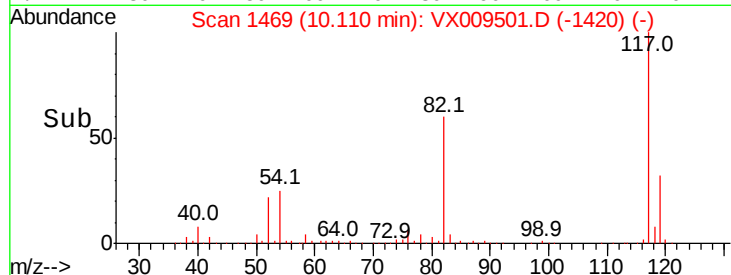
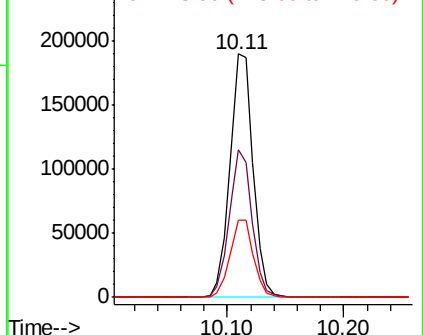
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009501.D
Acq: 10 May 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
TRUCK-803

Tot Ion:117 Resp: 262672
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 31.8 25.8 38.6

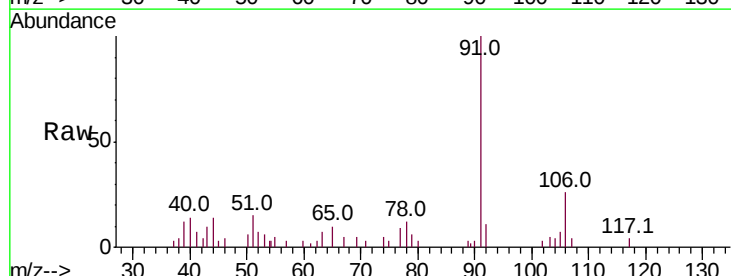


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

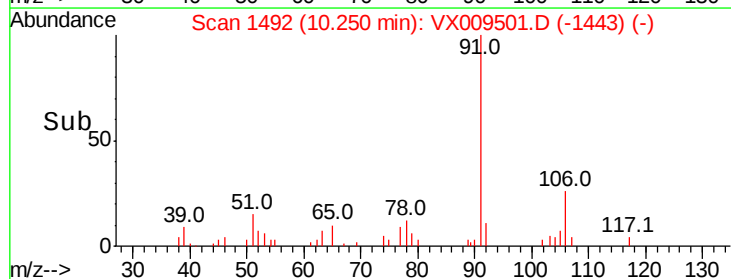
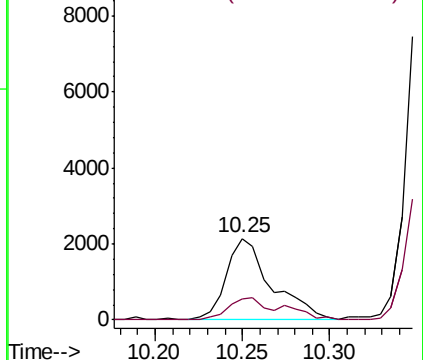


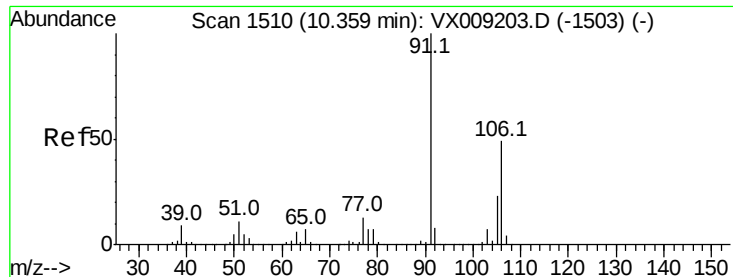
#67
Ethyl Benzene
Concen: 0.398 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009501.D
Acq: 10 May 2019 23:10

Tgt Ion: 91 Resp: 3846
Ion Ratio Lower Upper
91 100
106 25.6 24.0 36.0



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

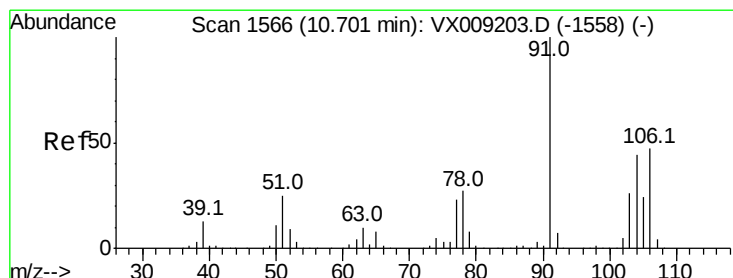
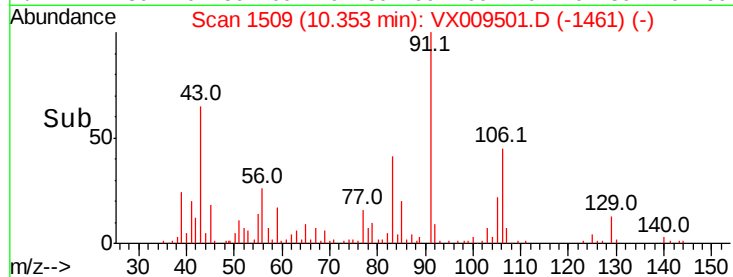
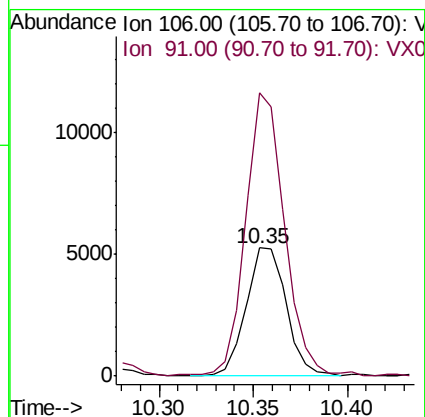
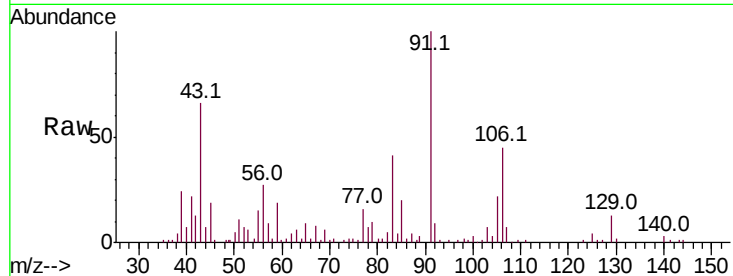




#68
m/p-Xylenes
Concen: 2.203 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009501.D
Acq: 10 May 2019 23:10

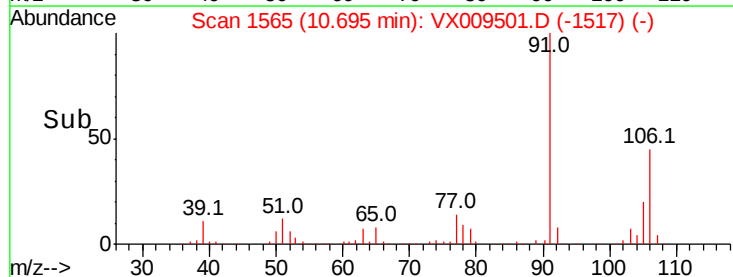
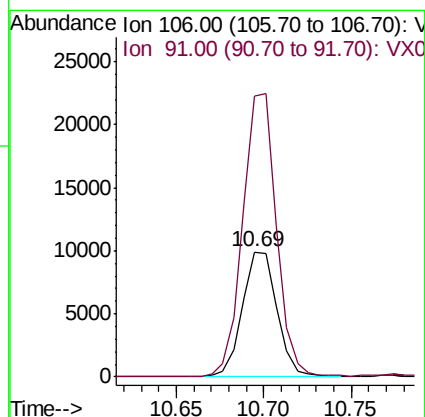
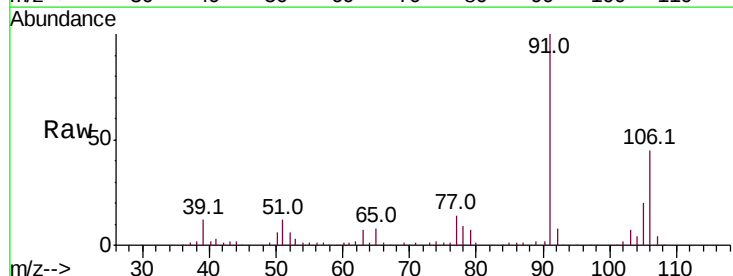
Instrument :
MSVOA_X
ClientSampled :
TRUCK-803

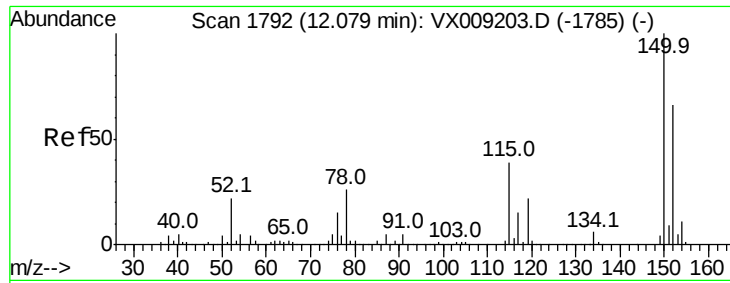
Tot Ion:106 Resp: 7786
Ion Ratio Lower Upper
106 100
91 215.2 164.0 246.0



#69
o-Xylene
Concen: 3.905 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009501.D
Acq: 10 May 2019 23:10

Tgt Ion:106 Resp: 13615
Ion Ratio Lower Upper
106 100
91 222.6 109.5 328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

TRUCK-803

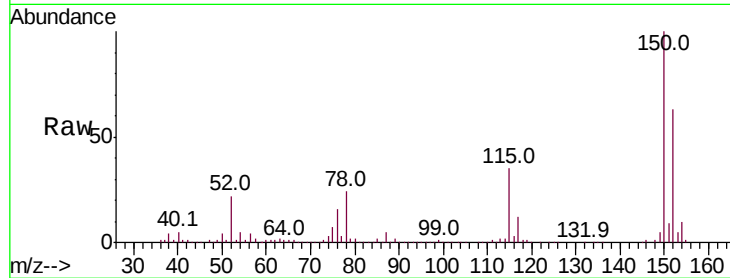
Tot Ion:152 Resp: 120187

Ion Ratio Lower Upper

152 100

115 57.4 41.2 123.6

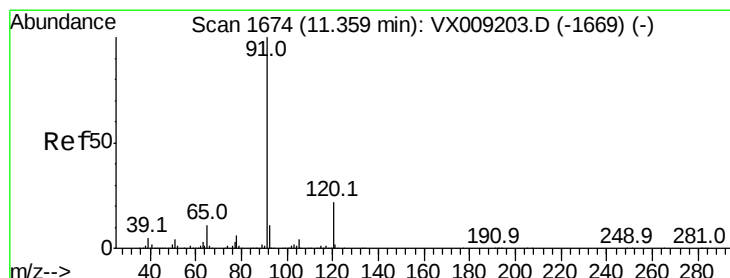
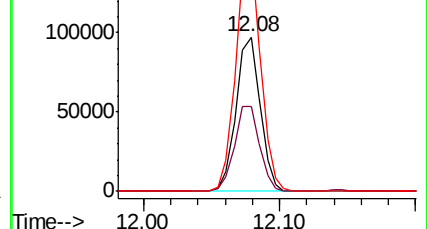
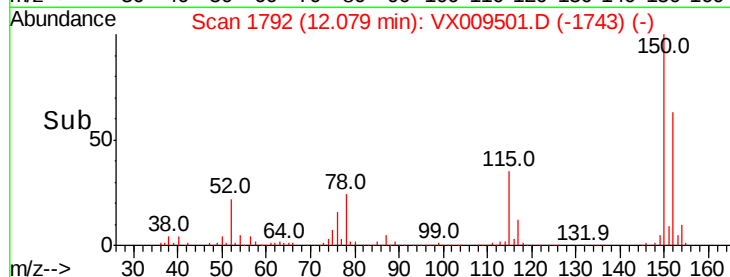
150 158.4 0.0 346.4



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: 0.495 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009501.D

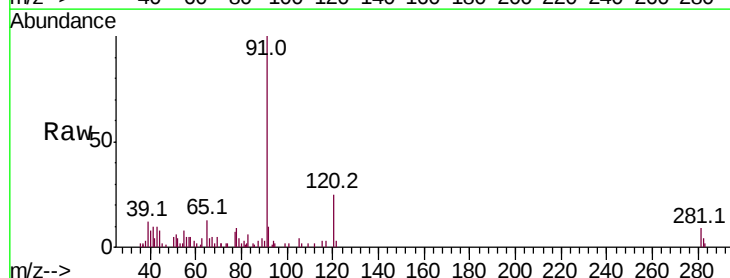
Acq: 10 May 2019 23:10

Tgt Ion: 91 Resp: 4940

Ion Ratio Lower Upper

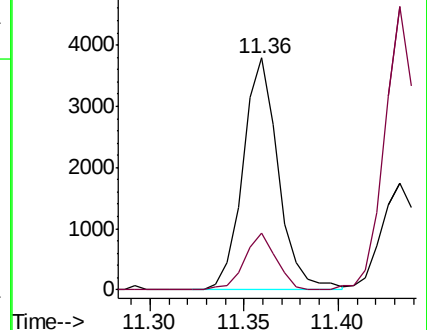
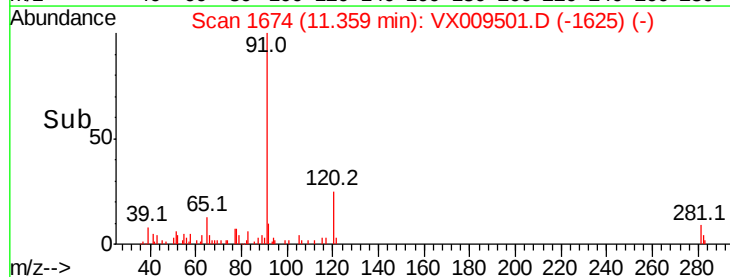
91 100

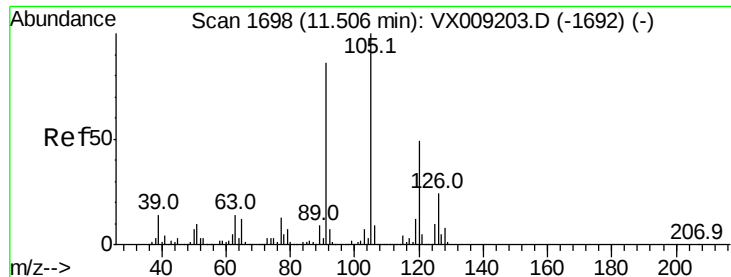
120 21.8 11.0 33.0



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: 1.694 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampled :

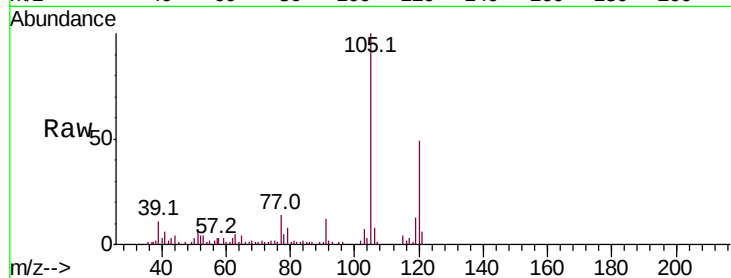
TRUCK-803

Tot Ion:105 Resp: 12464

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

10000

8000

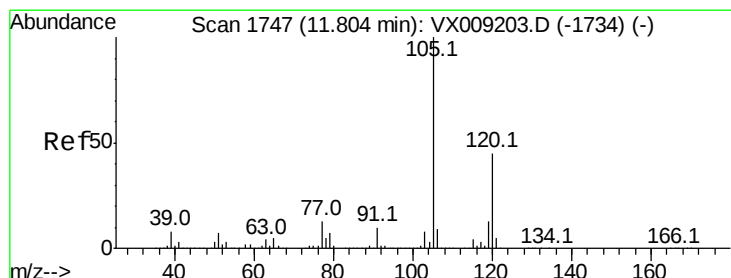
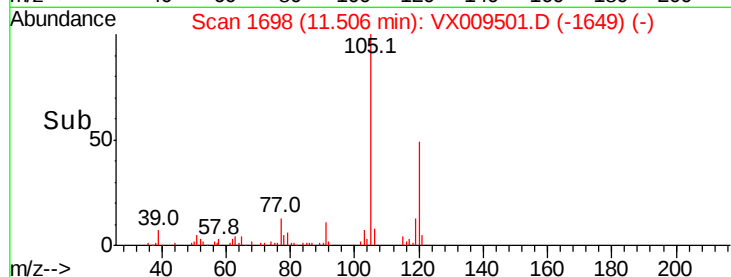
6000

4000

2000

0

Time--> 11.45 11.50 11.55



#84

1,2,4-Trimethylbenzene

Concen: 6.140 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009501.D

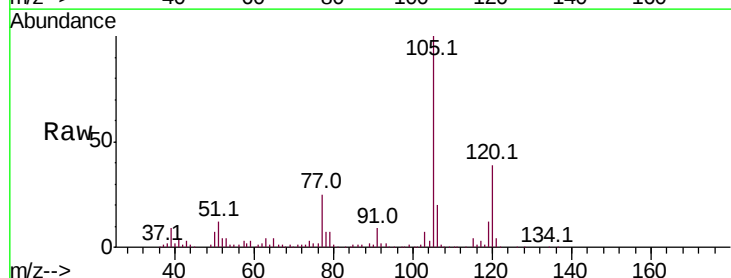
Acq: 10 May 2019 23:10

Tgt Ion:105 Resp: 45357

Ion Ratio Lower Upper

105 100

120 38.3 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

40000

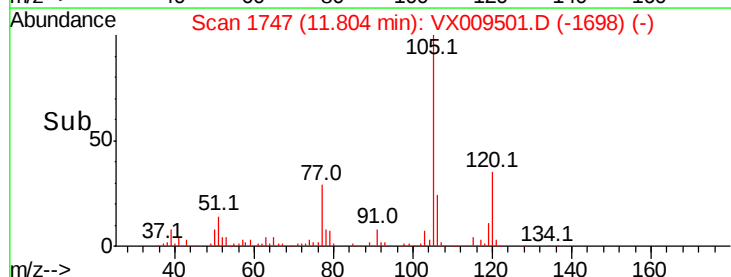
30000

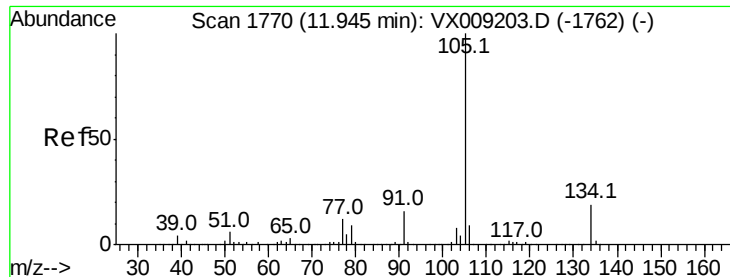
20000

10000

0

Time--> 11.75 11.80 11.85





#85

sec-Butylbenzene

Concen: 0.295 ug/l

RT: 11.94 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

Instrument :

MSVOA_X

ClientSampled :

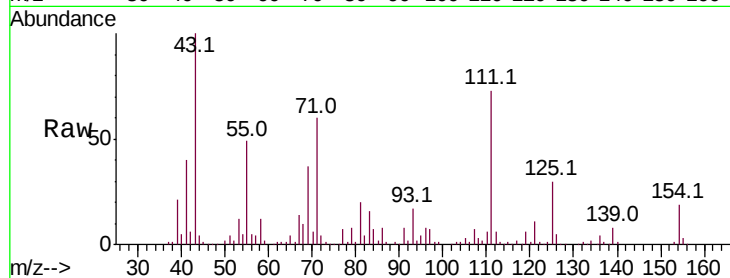
TRUCK-803

Tot Ion:105 Resp: 2506

Ion Ratio Lower Upper

105 100

134 56.7 9.7 28.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

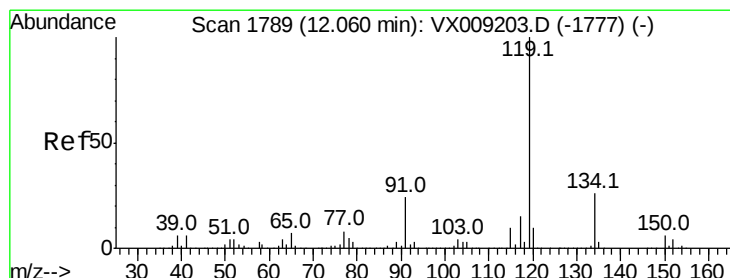
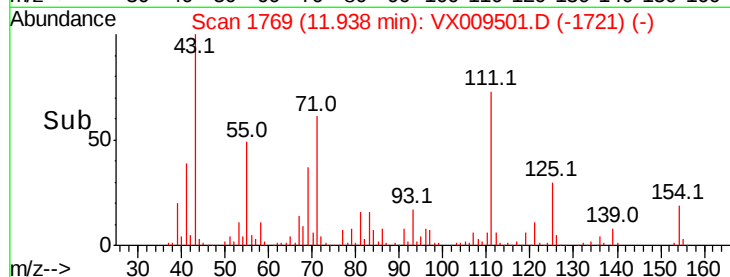
11.94

1000

500

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 0.750 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX009501.D

Acq: 10 May 2019 23:10

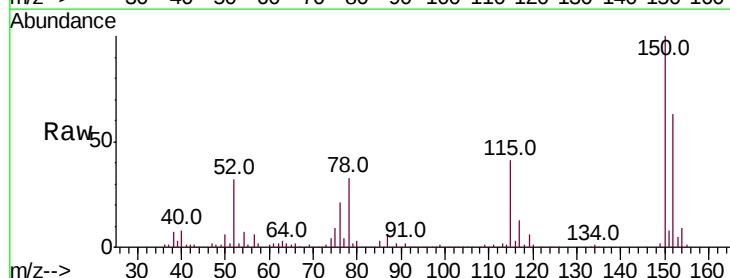
Tgt Ion:119 Resp: 5722

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.7

91 32.8 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

6000

5000

4000

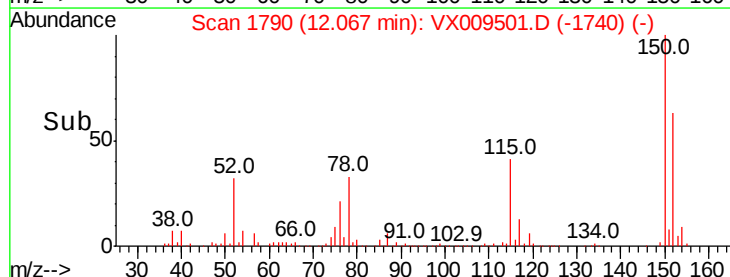
3000

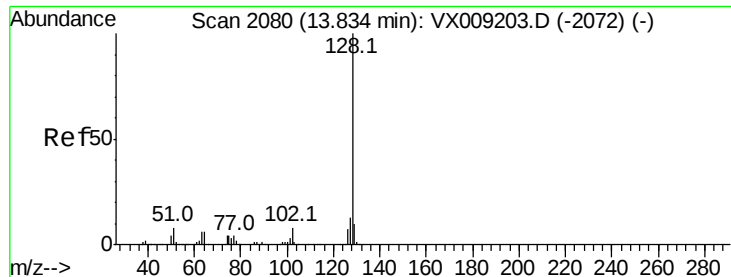
2000

1000

0

Time--> 12.05 12.10





#95
Naphthalene
Concen: 18.231 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009501.D
Acq: 10 May 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
TRUCK-803

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.0	8.6	13.0

