

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101719\
 Data File : VU035240.D
 Acq On : 18 Oct 2019 03:43
 Operator : JC/SP
 Sample : K5419-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G58

Quant Time: Oct 18 06:59:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 05:36:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	332316	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	316103	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	134250	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	107402	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.93	69	107589	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.60	63	154551	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.60%
20) 2-Butanone-d5	4.71	46	291181	50.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.00%
24) Chloroform-d	5.11	84	195126	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.75	65	110517	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.77	84	409702	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
36) 1,2-Dichloropropane-d6	6.74	67	130476	5.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.60%
41) Toluene-d8	7.93	98	388779	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
43) trans-1,3-Dichloropropene-	8.22	79	55791	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.69	63	233713	47.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.16%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	107647	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	131301	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	66916	2.322	ug/L	95
8) Chloroethane	1.95	64	4148	0.223	ug/L	98
13) Acetone	2.67	43	22614	5.583	ug/L	99
18) trans-1,2-Dichloroethene	3.40	96	7983	0.346	ug/L	96
19) 1,1-Dichloroethane	3.92	63	26652	0.640	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	60899	2.391	ug/L	99
29) 1,1,1-Trichloroethane	5.37	97	3856	0.104	ug/L #	91
30) Cyclohexane	5.43	56	7559	0.191	ug/L #	89
33) Benzene	5.82	78	42261	0.454	ug/L	100
34) Trichloroethene	6.58	95	4961	0.198	ug/L	95
35) Methylcyclohexane	6.80	83	6984	0.167	ug/L #	85
42) Toluene	8.01	91	97704	0.952	ug/L	99
51) Chlorobenzene	9.48	112	11667	0.176	ug/L	97
52) Ethylbenzene	9.60	91	962212	8.242	ug/L	100
53) m,p-Xylene	9.73	106	34141	0.774	ug/L	92
56) Isopropylbenzene	10.51	105	56613	0.489	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 05:36:44 2019
Response via : Initial Calibration

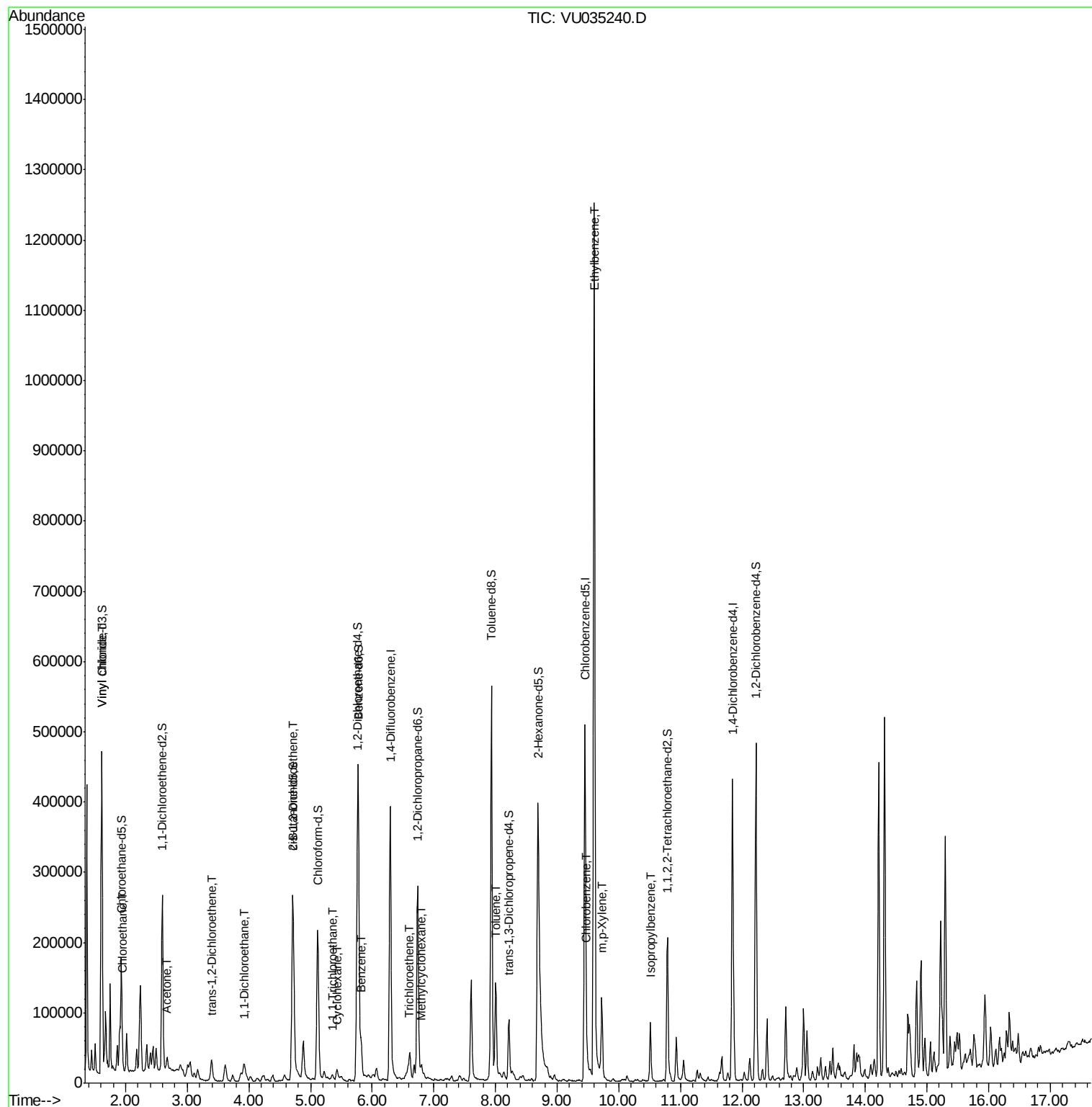
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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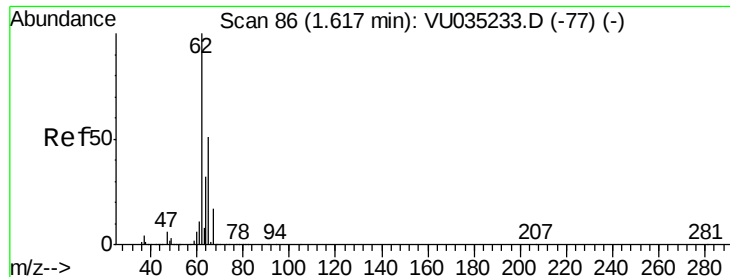
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.322 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Instrument :

MSVOA_U

ClientSampleId :

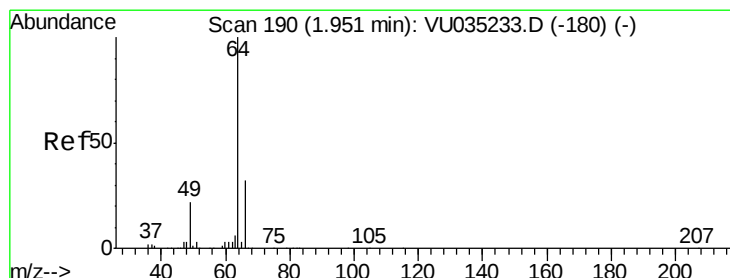
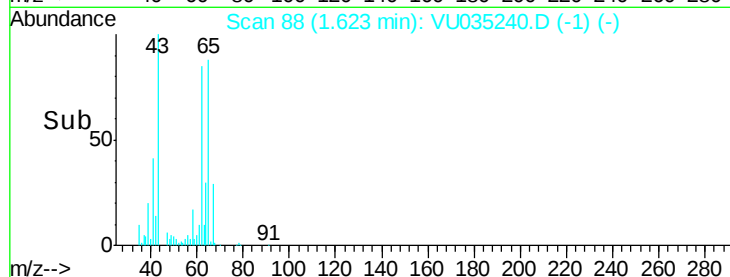
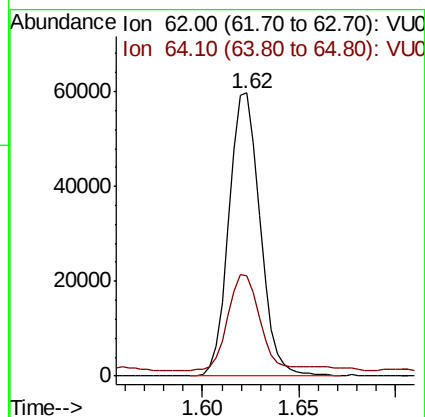
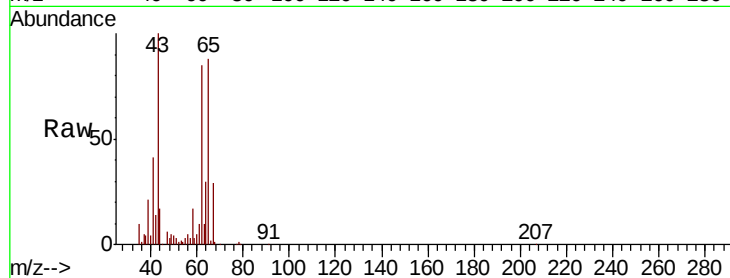
H0G58

Tot Ion: 62 Resp: 66916

Ion Ratio Lower Upper

62 100

64 35.7 22.9 42.5



#8

Chloroethane

Concen: 0.223 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035240.D

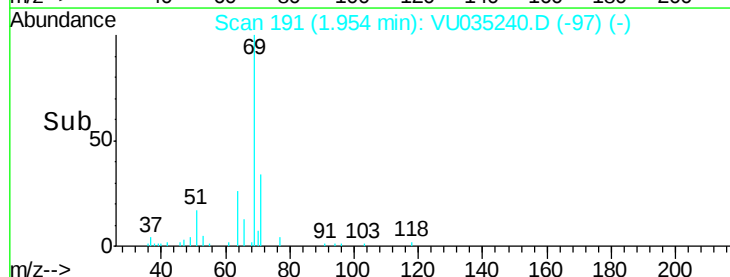
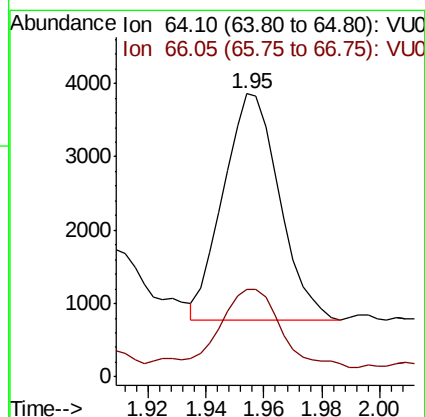
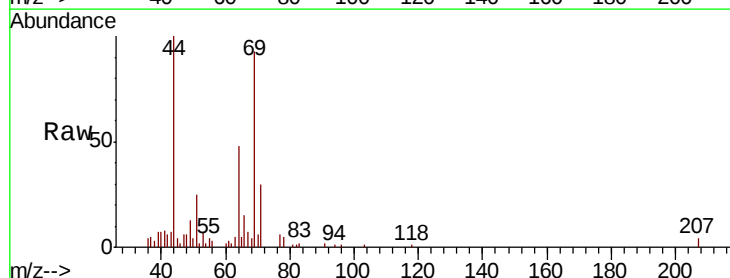
Acq: 18 Oct 2019 03:43

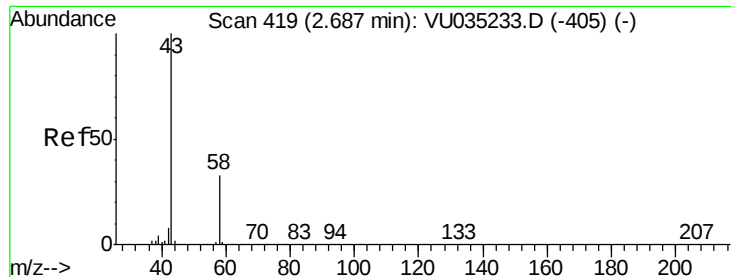
Tgt Ion: 64 Resp: 4148

Ion Ratio Lower Upper

64 100

66 31.1 22.7 42.1





#13

Acetone

Concen: 5.583 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Instrument :

MSVOA_U

ClientSampleId :

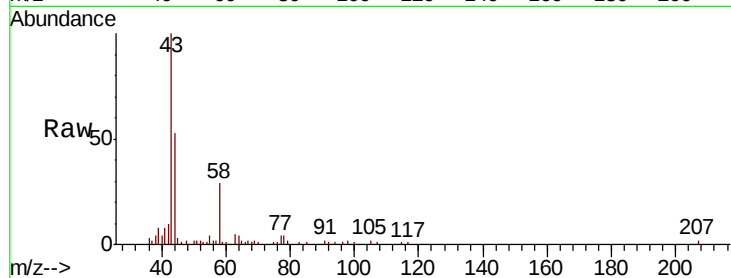
H0G58

Tot Ion: 43 Resp: 22614

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035233.D (-405) (-)

Ion 58.05 (57.75 to 58.75): VU035233.D (-405) (-)

2.67

15000

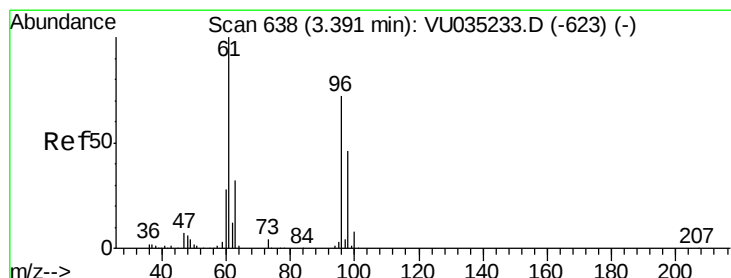
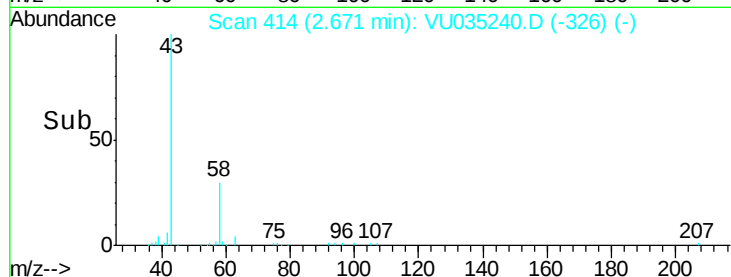
10000

5000

0

Time-->

2.60 2.65 2.70 2.75



#18

trans-1,2-Dichloroethene

Concen: 0.346 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.01 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

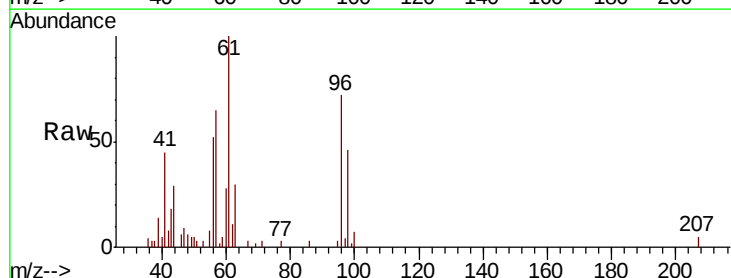
Tgt Ion: 96 Resp: 7983

Ion Ratio Lower Upper

96 100

61 139.2 93.0 172.6

98 63.7 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035233.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU035233.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU035233.D (-623) (-)

3.40

6000

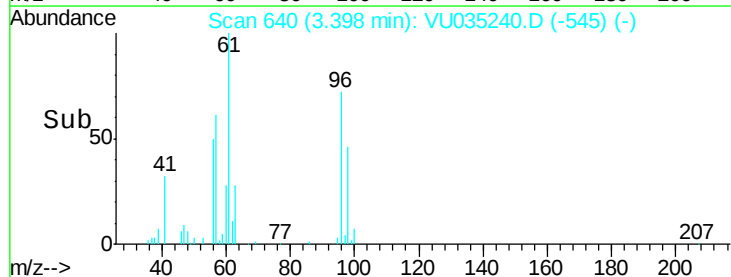
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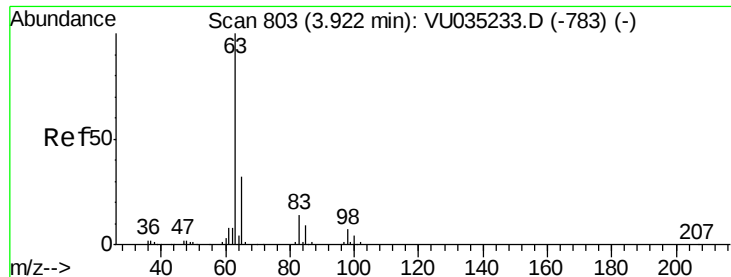
2000

0

Time-->

3.35 3.40 3.45

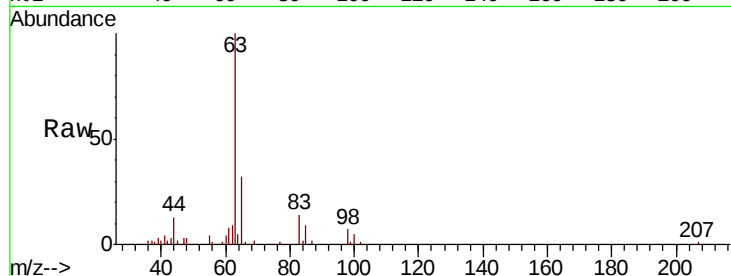




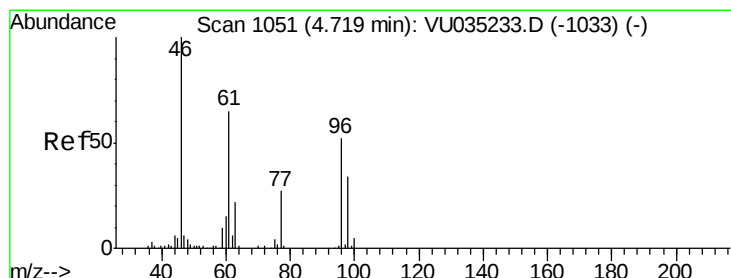
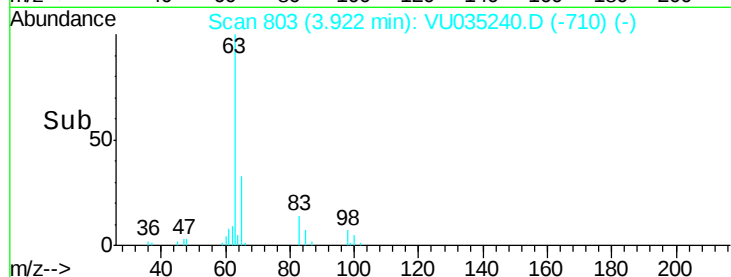
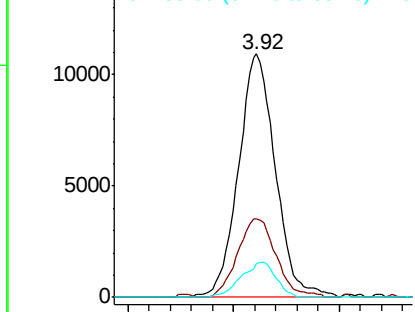
#19
 1,1-Dichloroethane
 Concen: 0.640 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VU035240.D
 Acq: 18 Oct 2019 03:43

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G58

Tot Ion: 63 Resp: 26652
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.4 41.6
 83 13.6 9.3 17.3

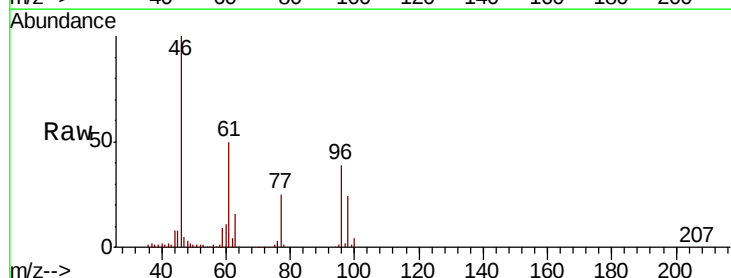


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

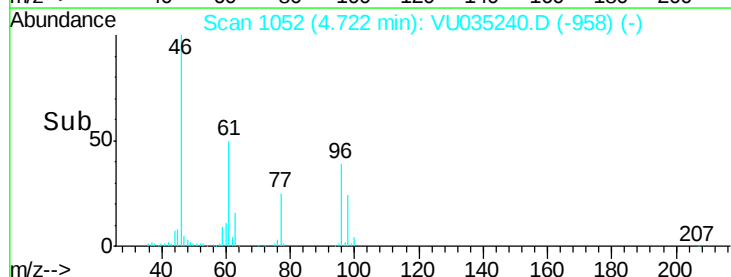
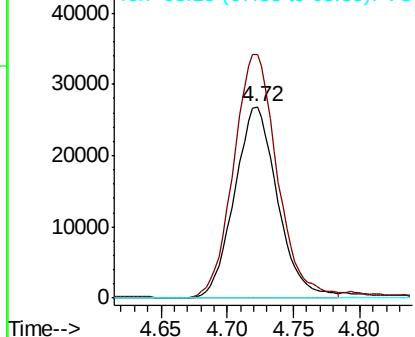


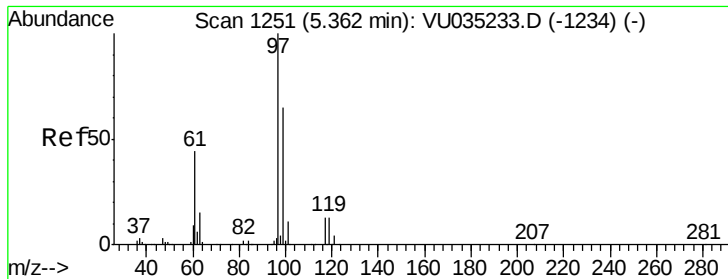
#22
 cis-1,2-Dichloroethene
 Concen: 2.391 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035240.D
 Acq: 18 Oct 2019 03:43

Tgt Ion: 96 Resp: 60899
 Ion Ratio Lower Upper
 96 100
 61 127.4 89.7 166.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0





#29

1,1,1-Trichloroethane

Concen: 0.104 ug/L

RT: 5.37 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Instrument :

MSVOA_U

ClientSampleId :

H0G58

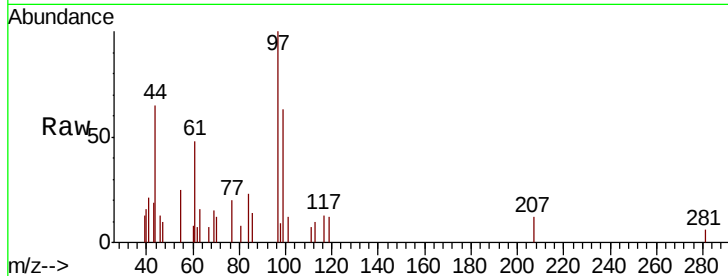
Tot Ion: 97 Resp: 3856

Ion Ratio Lower Upper

97 100

99 68.8 52.6 79.0

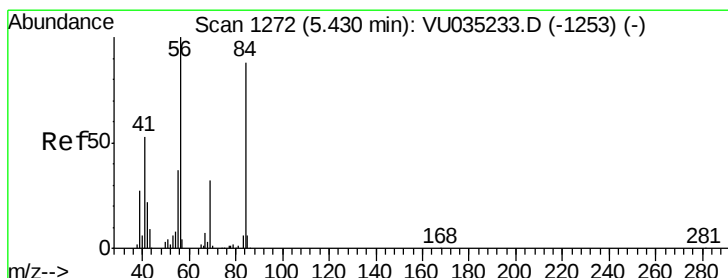
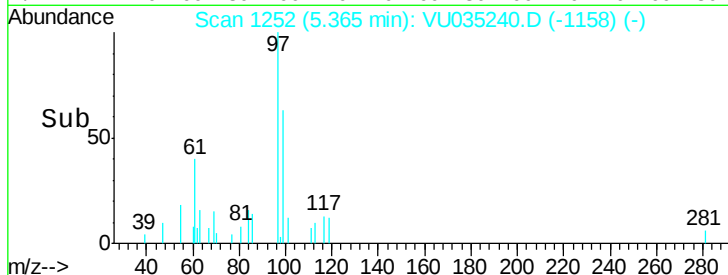
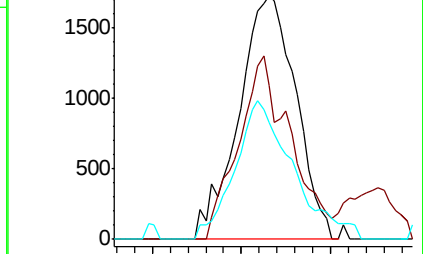
61 57.8 37.0 55.4#



Abundance Ion 96.95 (96.65 to 97.65): VU035240.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU035240.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU035240.D (-1158) (-)



#30

Cyclohexane

Concen: 0.191 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

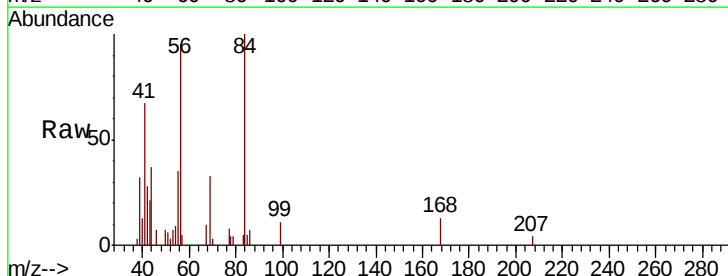
Tgt Ion: 56 Resp: 7559

Ion Ratio Lower Upper

56 100

69 37.3 24.6 36.8#

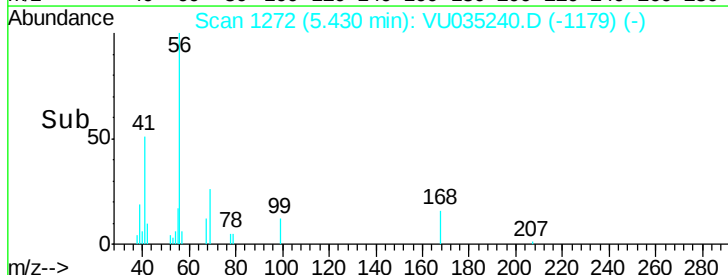
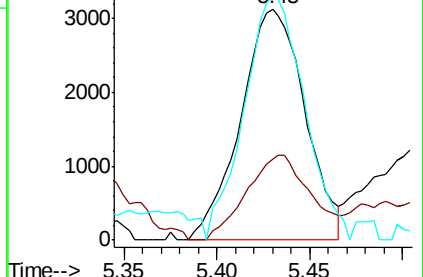
84 98.8 71.5 107.3

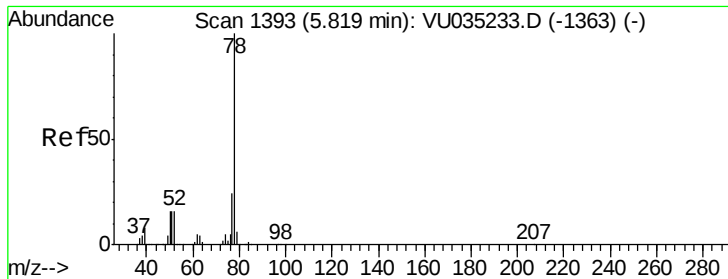


Abundance Ion 56.10 (55.80 to 56.80): VU035240.D (-1179) (-)

Ion 69.15 (68.85 to 69.85): VU035240.D (-1179) (-)

Ion 84.15 (83.85 to 84.85): VU035240.D (-1179) (-)





#33

Benzene

Concen: 0.454 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

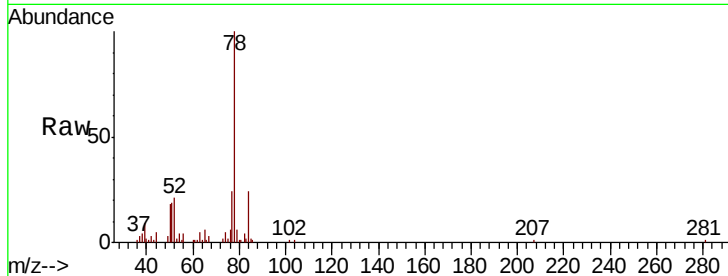
Instrument :

MSVOA_U

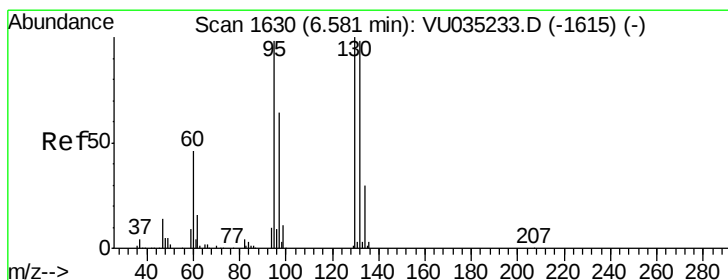
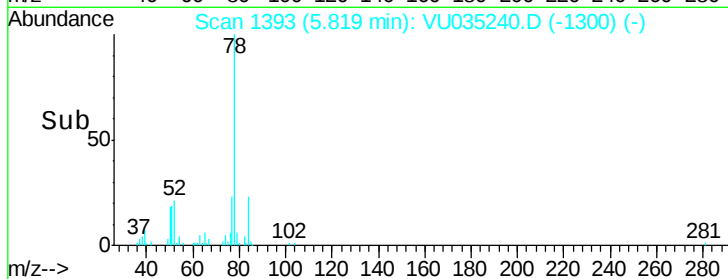
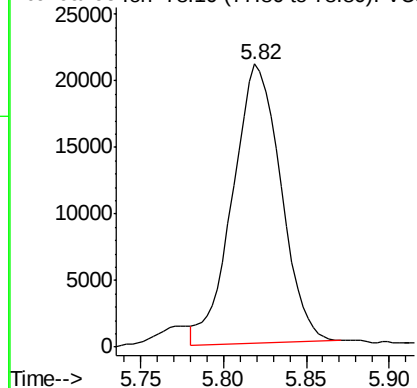
ClientSampleId :

H0G58

Tgt Ion: 78 Resp: 42261



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.198 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Tgt Ion: 95 Resp: 4961

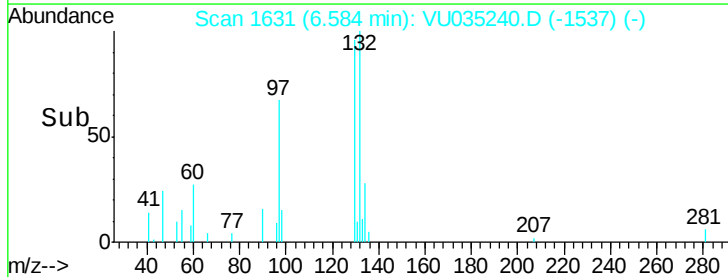
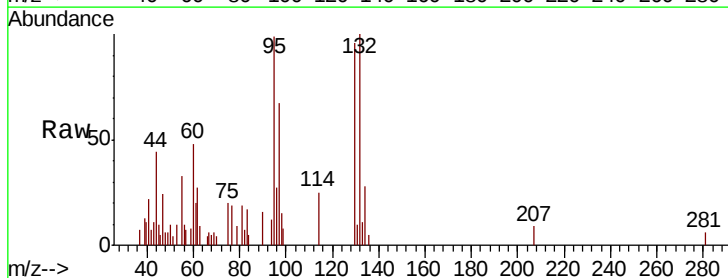
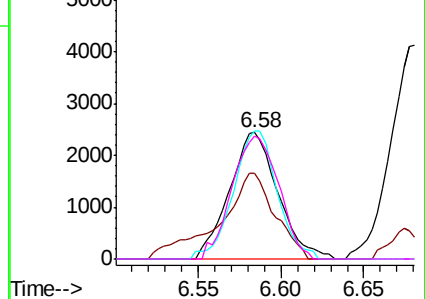
Ion	Ratio	Lower	Upper
95	100		
97	67.6	46.6	86.6
132	101.0	68.7	127.7
130	97.0	73.9	137.3

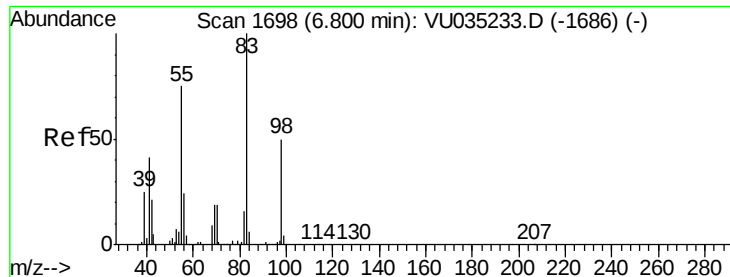
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

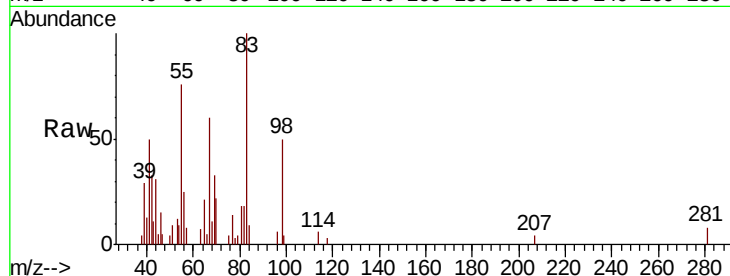




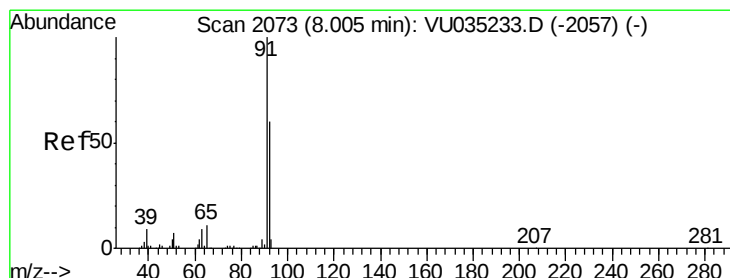
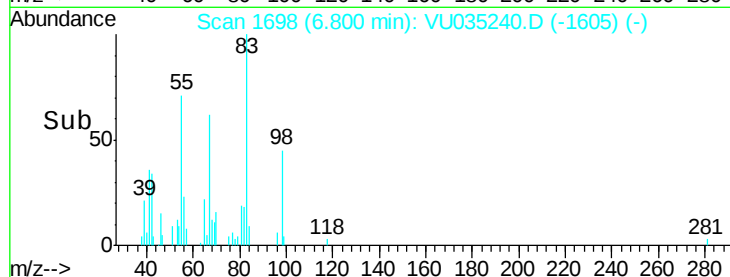
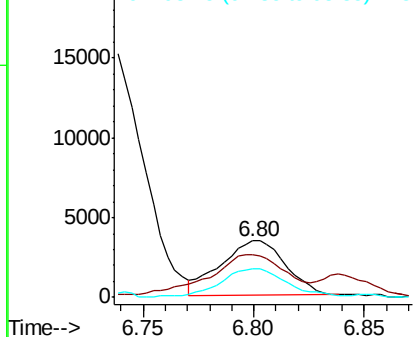
#35
Methvlcvclohexane
Concen: 0.167 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VU035240.D
Acq: 18 Oct 2019 03:43

Instrument :
MSVOA_U
ClientSampleId :
H0G58

Tot Ion: 83 Resp: 6984
Ion Ratio Lower Upper
83 100
55 91.5 60.4 90.6#
98 55.1 39.5 59.3

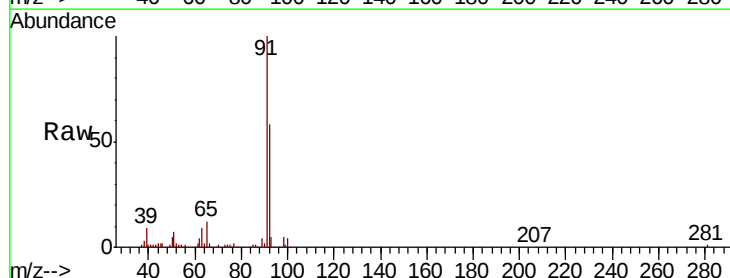


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

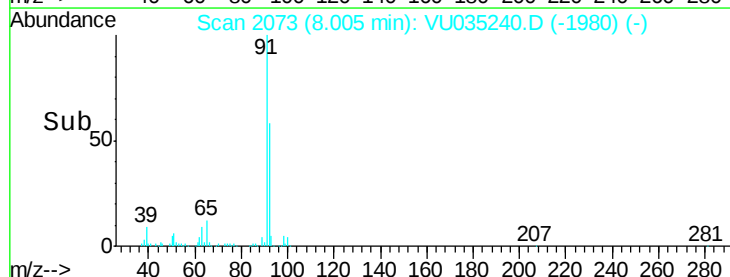
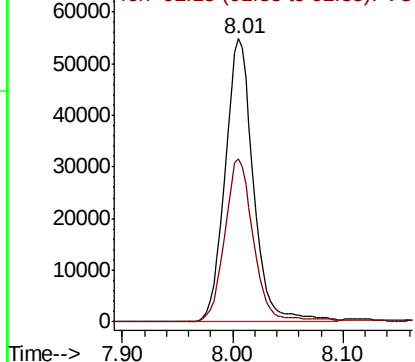


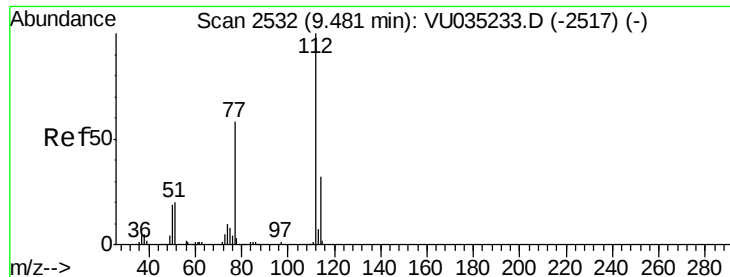
#42
Toluene
Concen: 0.952 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VU035240.D
Acq: 18 Oct 2019 03:43

Tgt Ion: 91 Resp: 97704
Ion Ratio Lower Upper
91 100
92 57.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#51

Chlorobenzene

Concen: 0.176 ug/L

RT: 9.48 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Instrument :

MSVOA_U

ClientSampleId :

H0G58

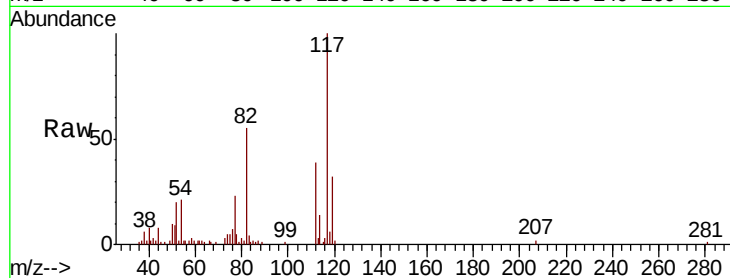
Tot Ion:112 Resp: 11667

Ion Ratio Lower Upper

112 100

114 36.7 23.0 42.8

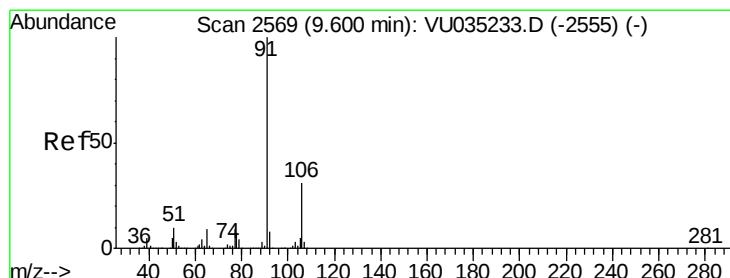
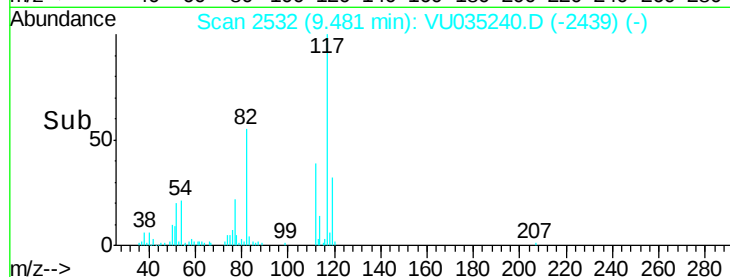
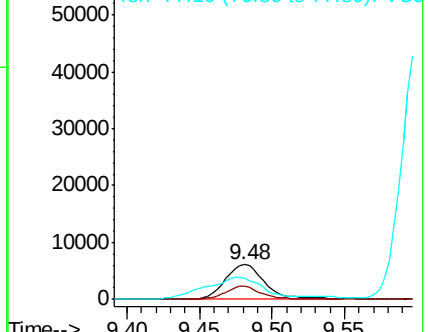
77 58.9 47.5 71.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



#52

Ethylbenzene

Concen: 8.242 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035240.D

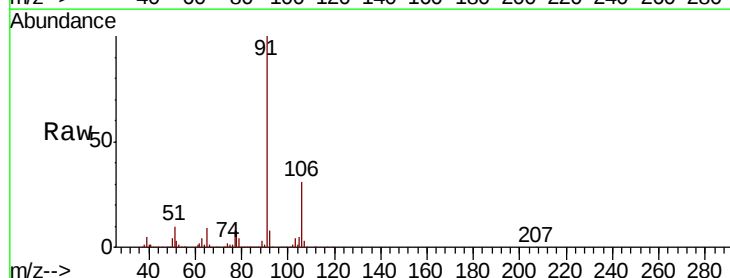
Acq: 18 Oct 2019 03:43

Tgt Ion: 91 Resp: 962212

Ion Ratio Lower Upper

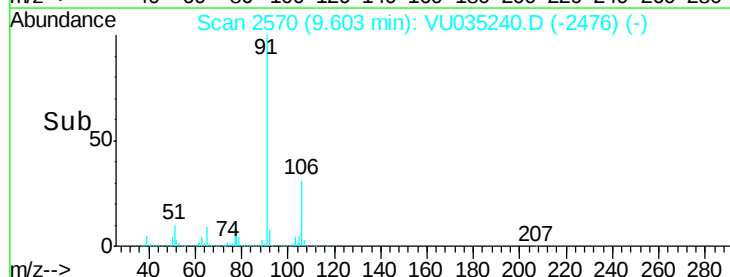
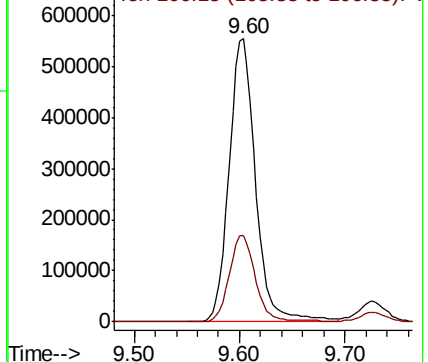
91 100

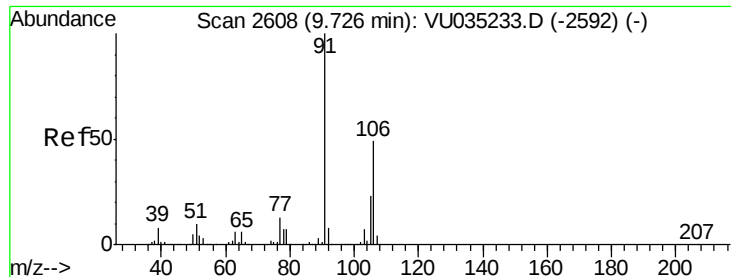
106 30.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.774 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Instrument :

MSVOA_U

ClientSampleId :

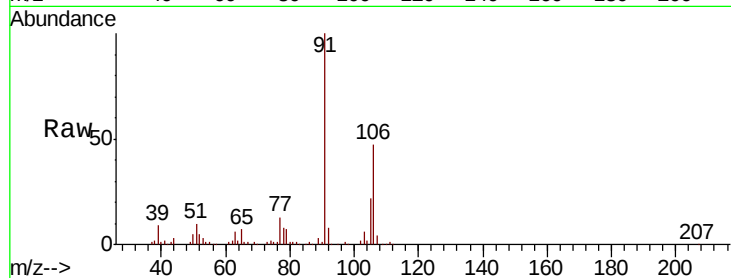
H0G58

Tot Ion:106 Resp: 34141

Ion Ratio Lower Upper

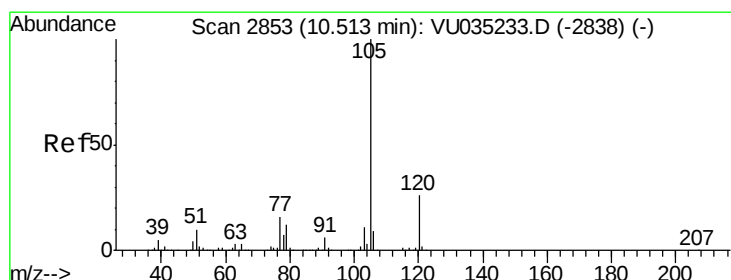
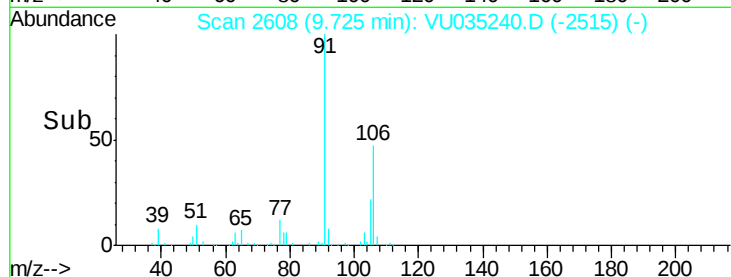
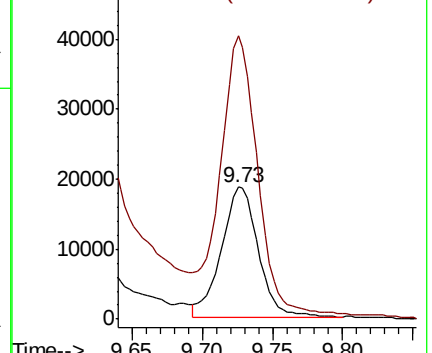
106 100

91 214.3 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.489 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

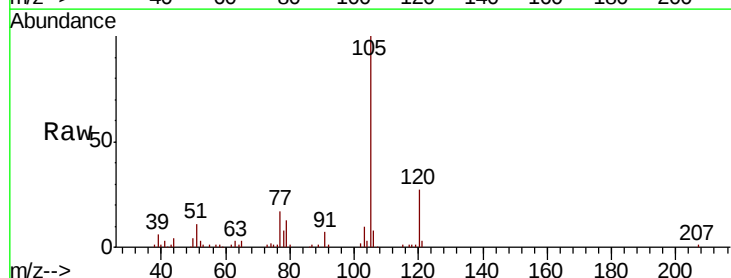
Tgt Ion:105 Resp: 56613

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

77 17.6 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

