

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 05:41:10 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

					Qvalue
2) Dichlorodifluoromethane	1.66	85	4349	0.154 ug/L	98
5) Vinyl chloride	1.62	62	66916	2.322 ug/L	95
8) Chloroethane	1.95	64	4148	0.223 ug/L	98
12) 1,1-Dichloroethene	2.60	96	1816	0.085 ug/L #	1
13) Acetone	2.67	43	22614	5.583 ug/L	99
15) Methyl Acetate	3.00	43	4776	0.473 ug/L #	60
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
37) 1,2-Dichloropropane	6.74	63	13638	0.578 ug/L #	96
39) cis-1,3-Dichloropropene	7.61	75	3893	0.099 ug/L #	1
42) Toluene	8.01	91	97704	0.952 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Quantitation Report (Not Reviewed)

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

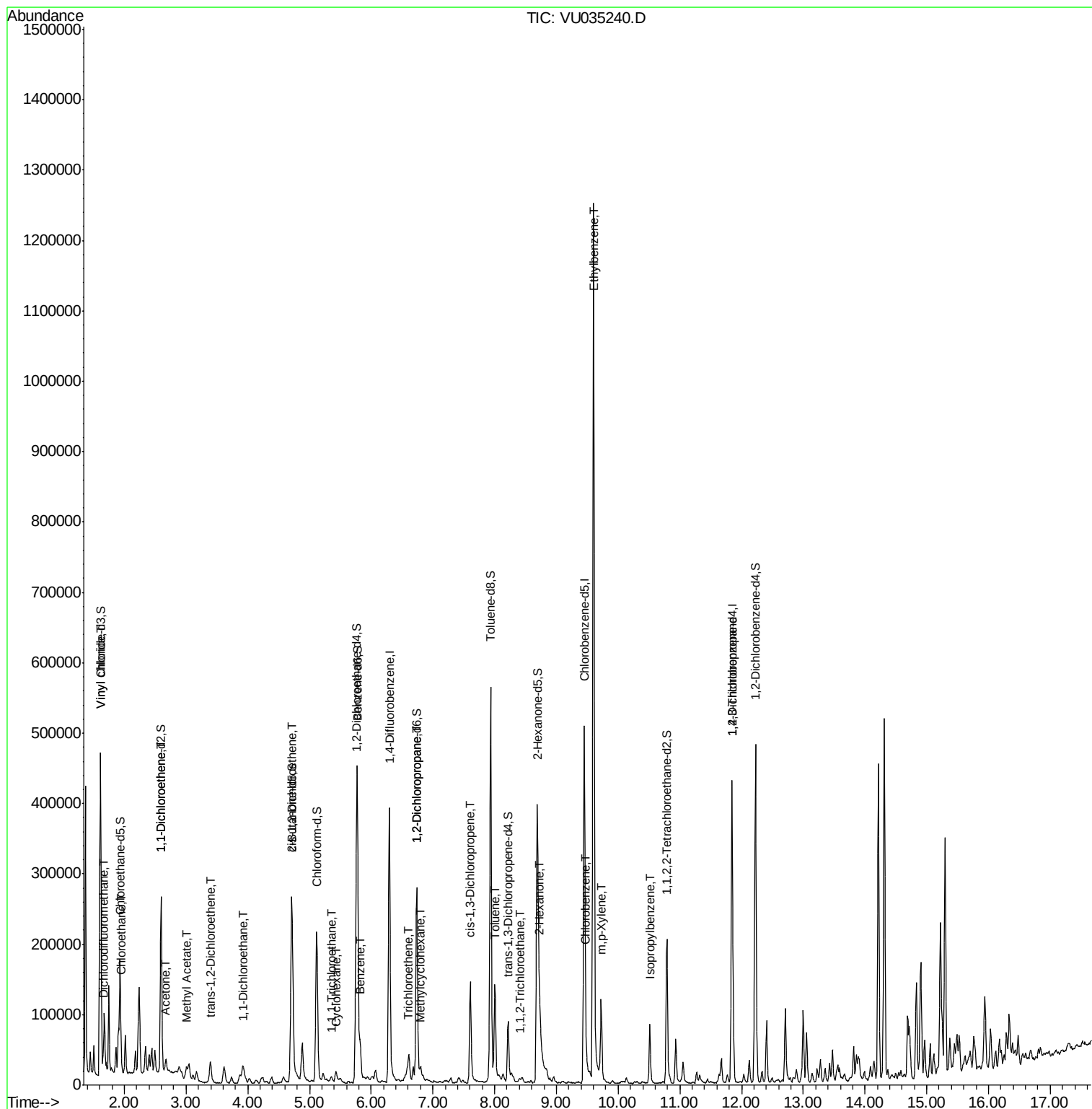
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.40	97	2143	0.122	ug/L #	21
48) 2-Hexanone	8.73	43	11004	0.984	ug/L #	96
51) Chlorobenzene	9.48	112	11667	0.176	ug/L	97
52) Ethylbenzene	9.60	91	962212	8.242	ug/L	100
53) m,p-Xylene	9.73	106	34141	0.774	ug/L	92
56) Isopropylbenzene	10.51	105	56613	0.489	ug/L	98
59) 1,2,3-Trichloropropane	11.84	75	16635	1.011	ug/L	91

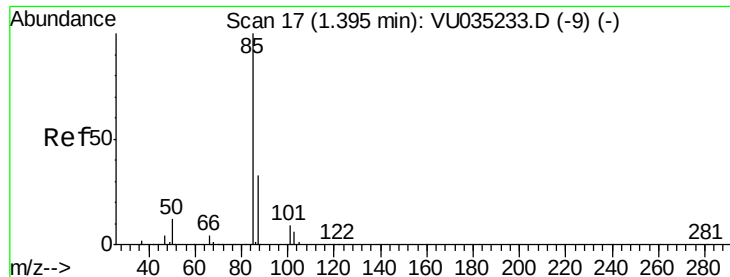
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.154 ug/L

RT: 1.66 min Scan# 99

Delta R.T. 0.26 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Instrument :

MSVOA_U

ClientSampleId :

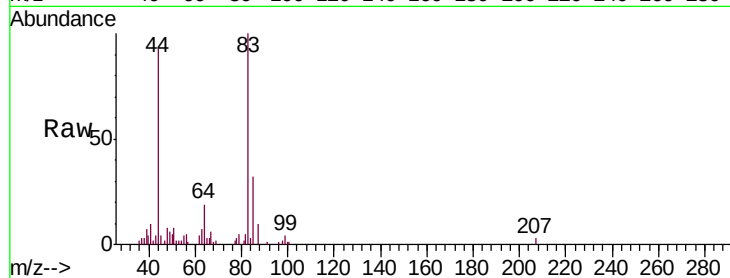
H0G58

Tgt Ion: 85 Resp: 4349

Ion Ratio Lower Upper

85 100

87 31.0 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.66

4000

3000

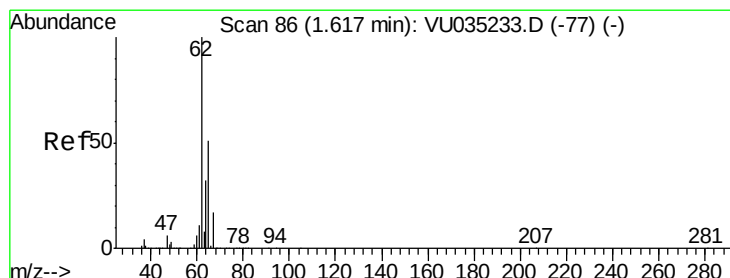
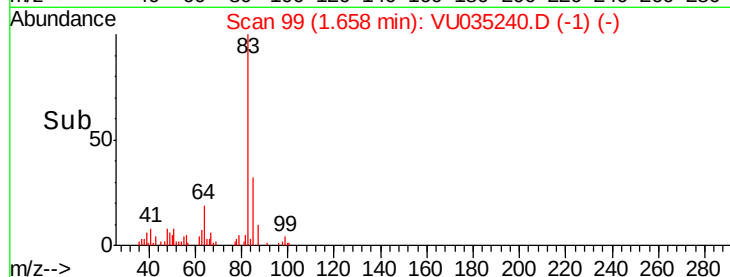
2000

1000

0

1.62 1.64 1.66 1.68

Time-->



#5

Vinyl chloride

Concen: 2.322 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035240.D

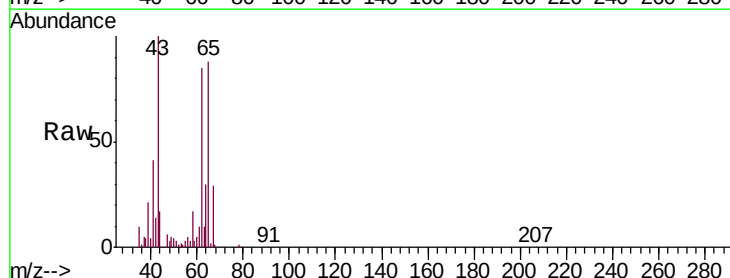
Acq: 18 Oct 2019 03:43

Tgt Ion: 62 Resp: 66916

Ion Ratio Lower Upper

62 100

64 35.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

60000

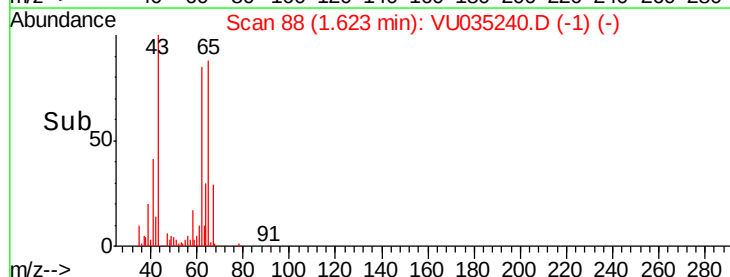
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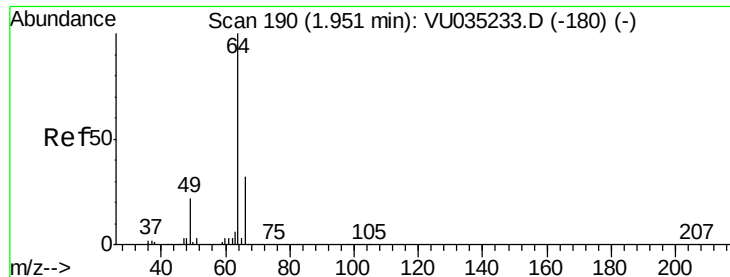
20000

0

1.60 1.65

Time-->





#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

Instrument :

MSVOA_U

ClientSampleId :

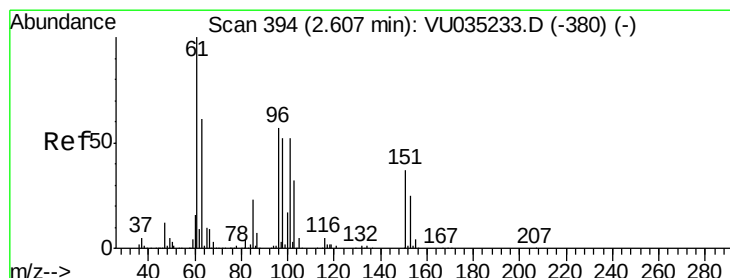
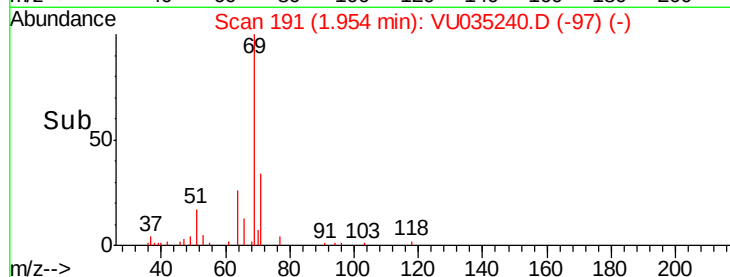
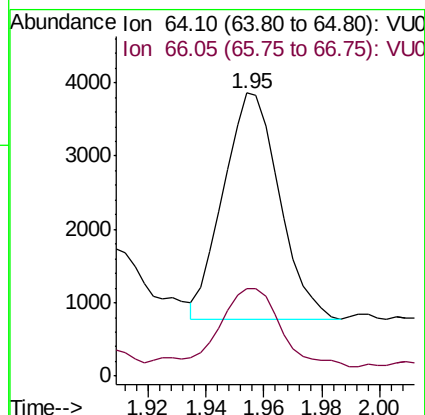
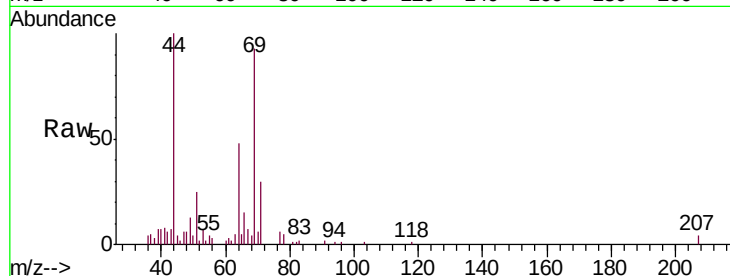
H0G58

Tgt Ion: 64 Resp: 4148

Ion Ratio Lower Upper

64 100

66 31.1 22.7 42.1



#12

1,1-Dichloroethene

Concen: 0.085 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

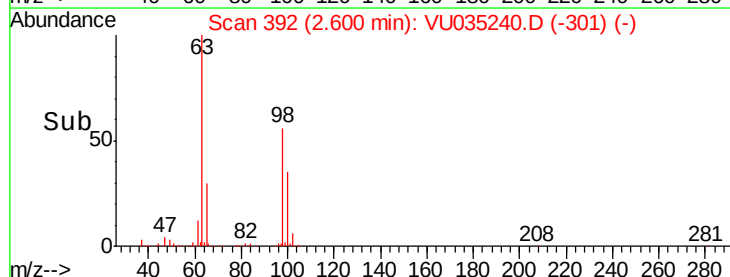
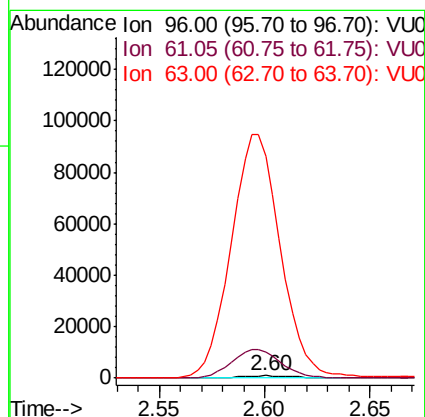
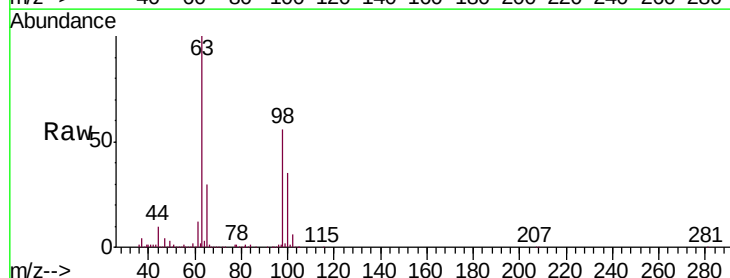
Tgt Ion: 96 Resp: 1816

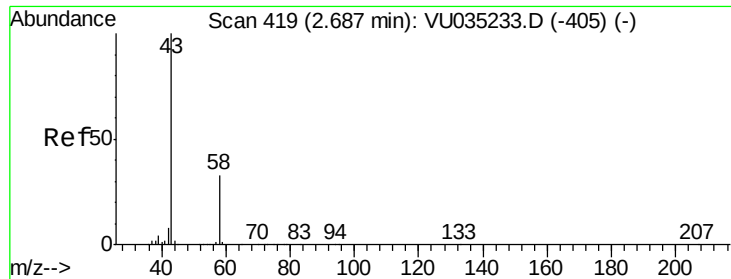
Ion Ratio Lower Upper

96 100

61 1111.9 120.6 224.0#

63 9402.8 86.8 161.2#





#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 :

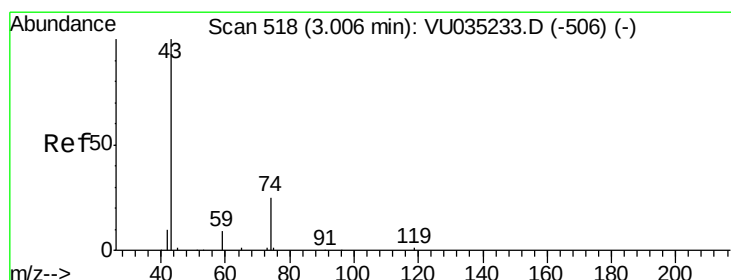
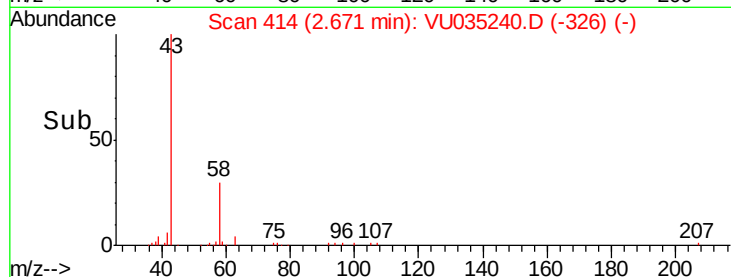
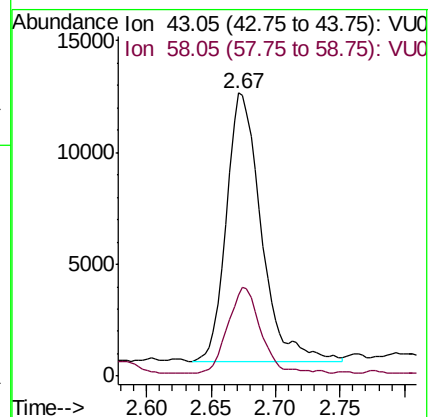
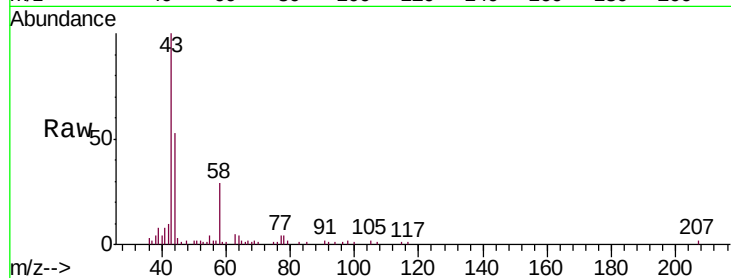
H0G58

Tgt Ion: 43 Resp: 22614

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.8



#15

Methyl Acetate

Concen: 0.473 ug/L

RT: 3.00 min Scan# 516

Delta R.T. -0.01 min

Lab File: VU035240.D

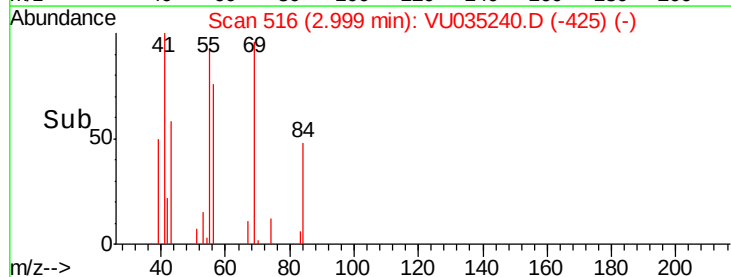
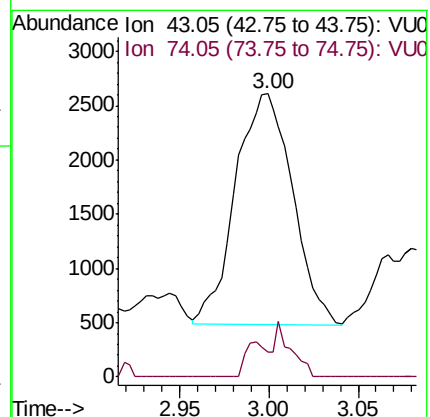
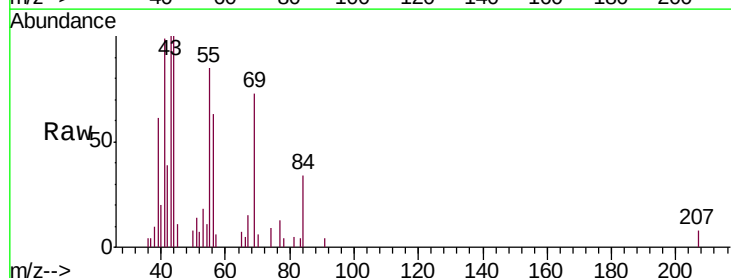
Acq: 18 Oct 2019 03:43

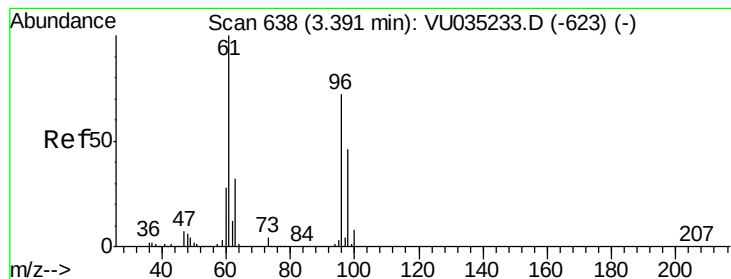
Tgt Ion: 43 Resp: 4776

Ion Ratio Lower Upper

43 100

74 5.4 20.3 30.5#





#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

Instrument :

MSVOA_U

ClientSampleId :

H0G58

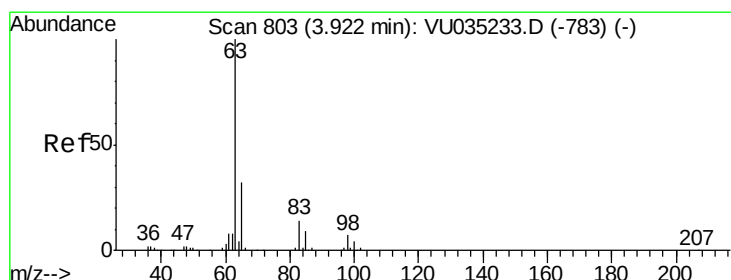
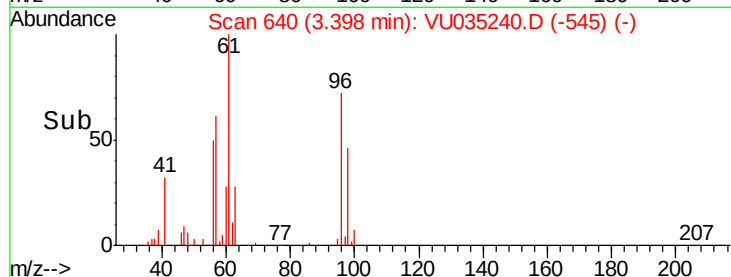
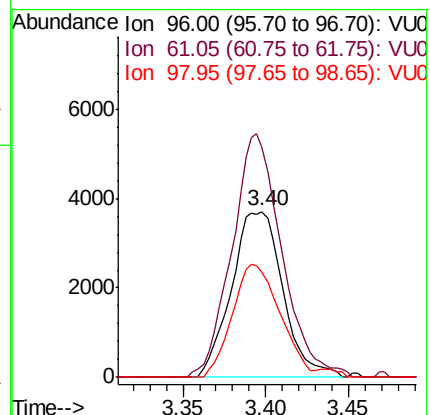
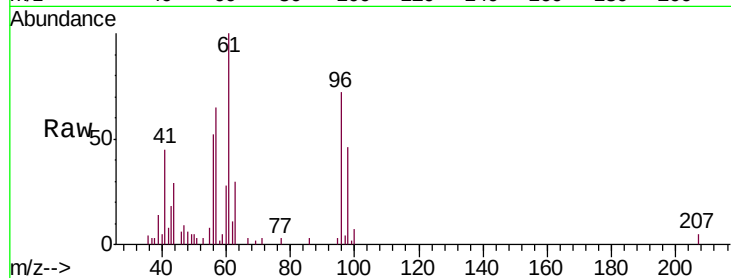
Tgt Ion: 96 Resp: 7983

Ion Ratio Lower Upper

96 100

61 139.2 93.0 172.6

98 63.7 43.7 81.1



#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

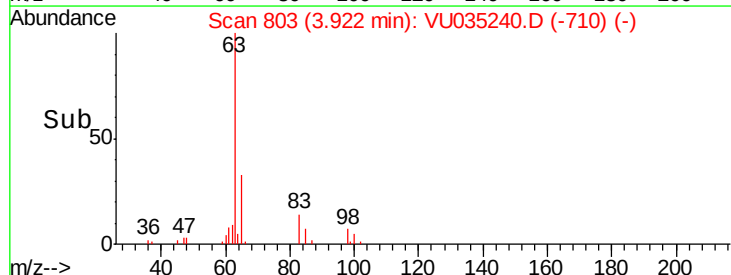
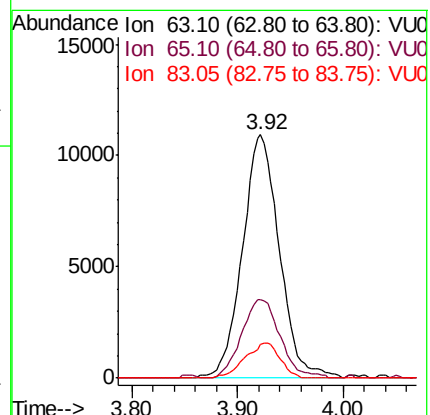
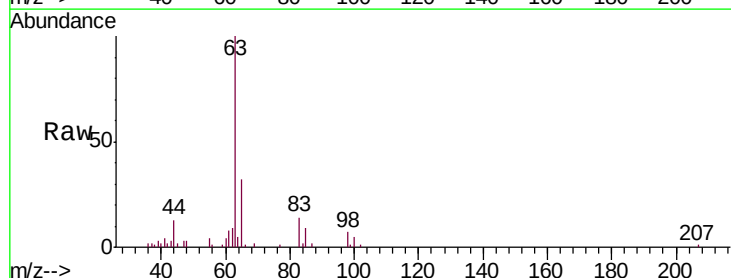
Tgt Ion: 63 Resp: 26652

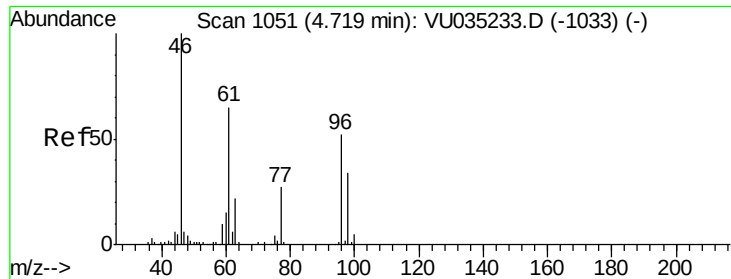
Ion Ratio Lower Upper

63 100

65 32.1 22.4 41.6

83 13.6 9.3 17.3

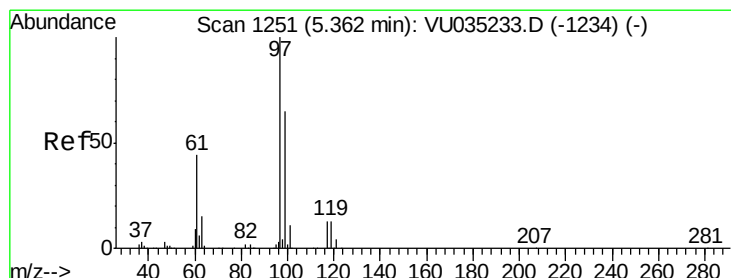
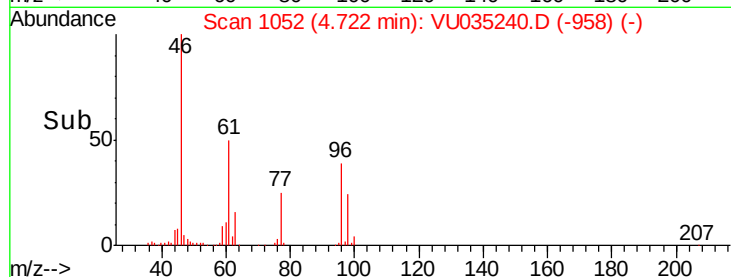
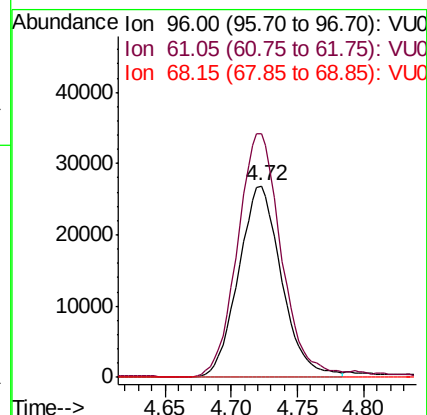
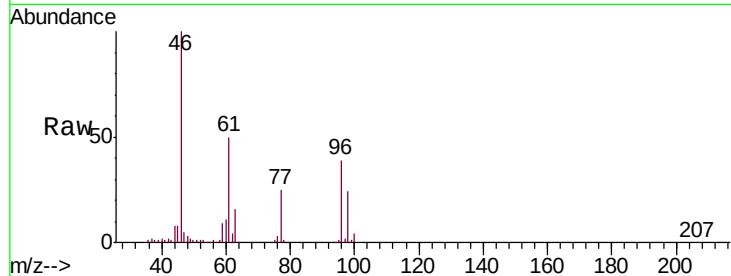




#22
 cis-1,2-Dichloroethene
 Concen: 2.391 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035240.D
 Acq: 18 Oct 2019 03:43

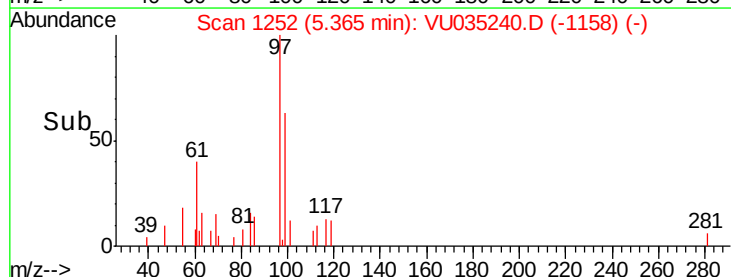
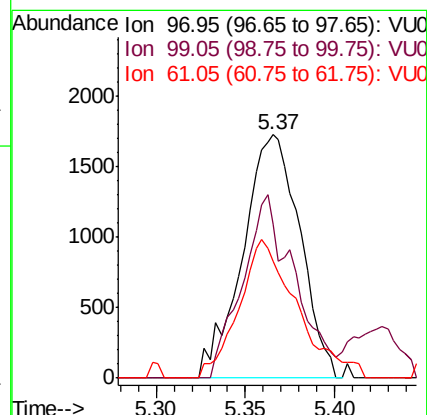
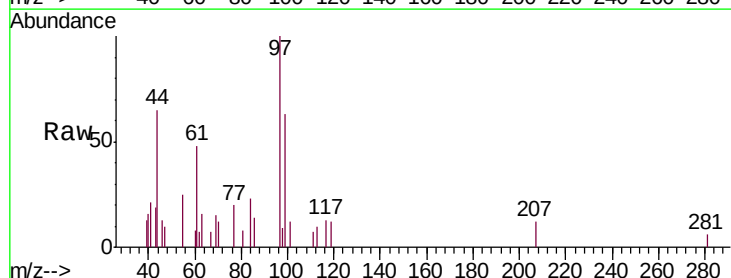
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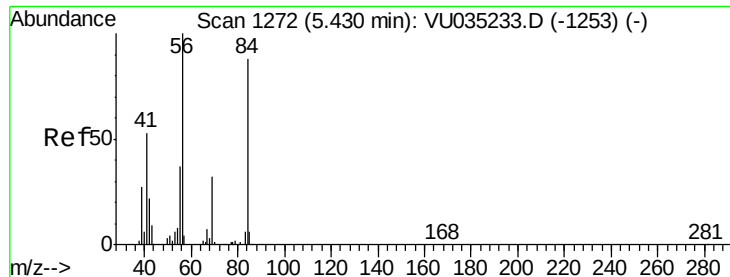
Tgt Ion: 96 Resp: 60899
 Ion Ratio Lower Upper
 96 100
 61 127.4 89.7 166.5
 68 0.0 0.0 0.0



#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

Tgt Ion: 97 Resp: 3856
 Ion Ratio Lower Upper
 97 100
 99 68.8 52.6 79.0
 61 57.8 37.0 55.4#

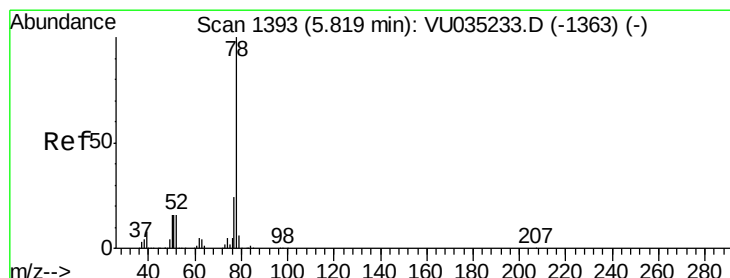
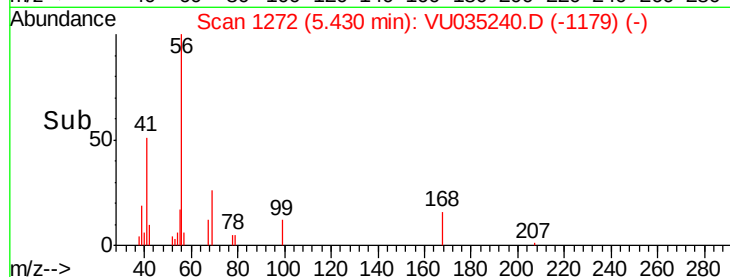
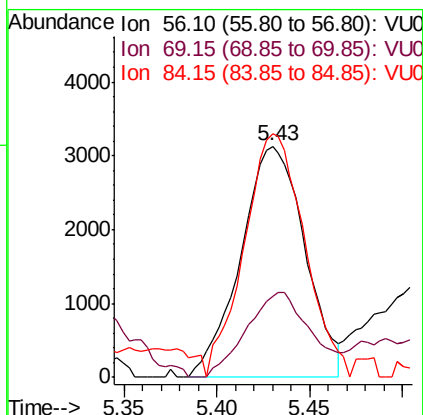
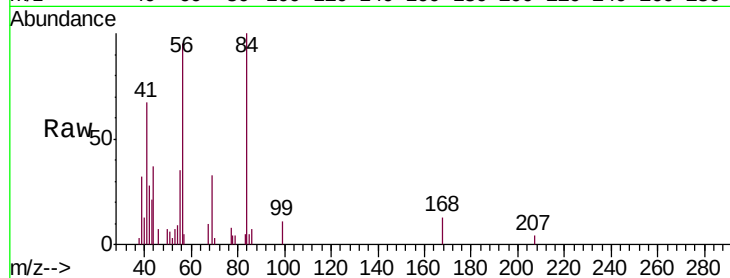




#30
Cyclohexane
Concen: 0.191 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU035240.D
Acq: 18 Oct 2019 03:43

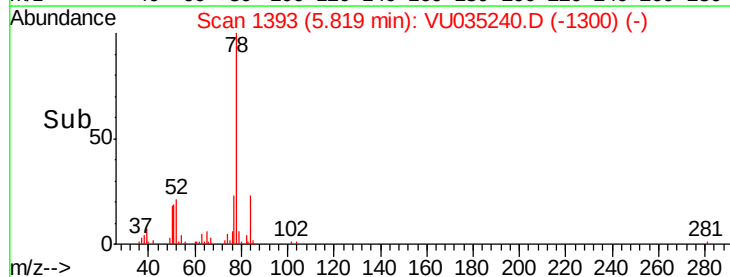
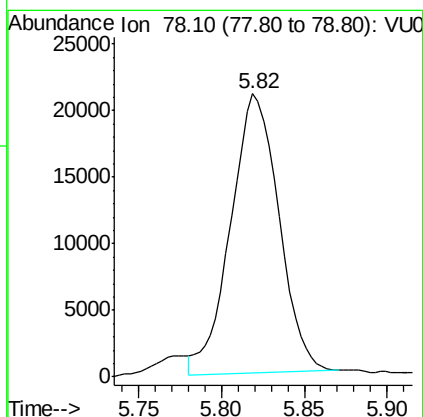
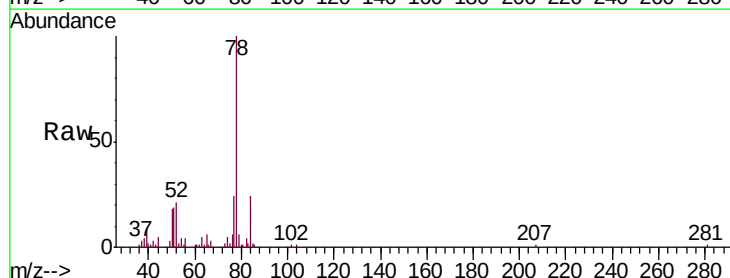
Instrument :
MSVOA_U
ClientSampleId :
H0G58

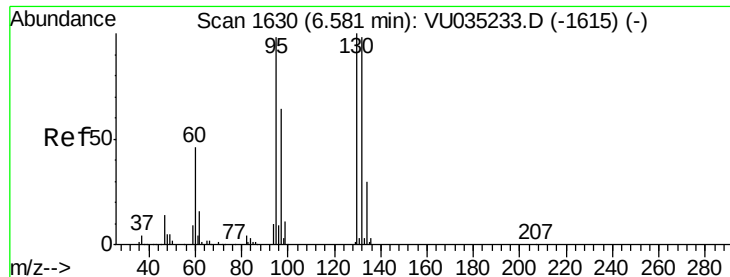
Tgt Ion: 56 Resp: 7559
Ion Ratio Lower Upper
56 100
69 37.3 24.6 36.8#
84 98.8 71.5 107.3



#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

Tgt Ion: 78 Resp: 42261





#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

Instrument :

MSVOA_U

ClientSampleId :

H0G58

Tgt Ion: 95 Resp: 4961

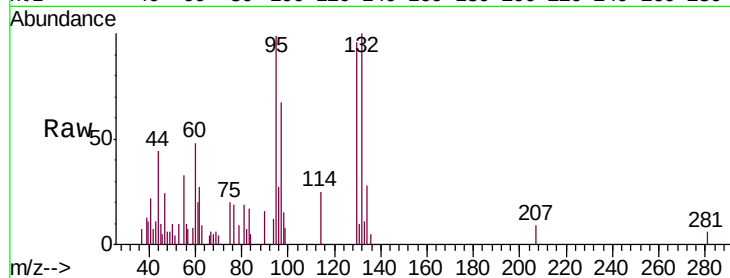
Ion Ratio Lower Upper

95 100

97 67.6 46.6 86.6

132 101.0 68.7 127.7

130 97.0 73.9 137.3

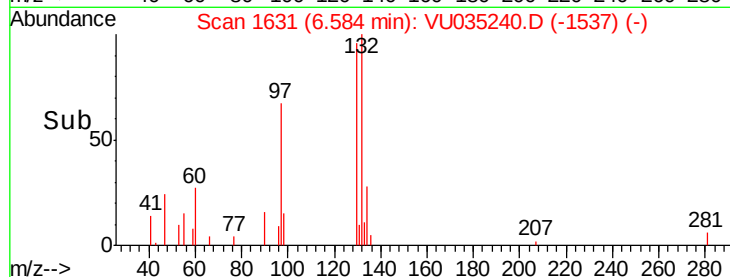


Abundance Ion 95.00 (94.70 to 95.70): VU0

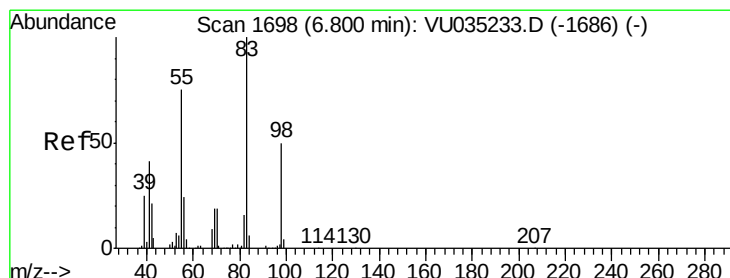
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->



#35

Methylcyclohexane

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

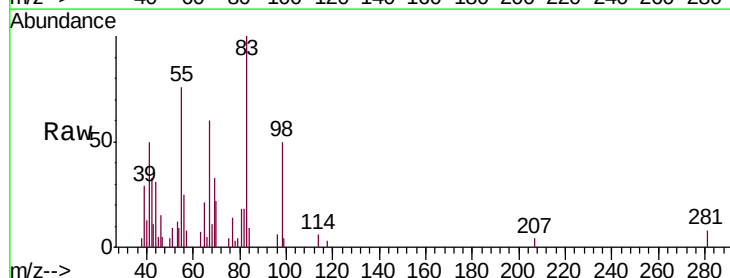
Tgt Ion: 83 Resp: 6984

Ion Ratio Lower Upper

83 100

55 91.5 60.4 90.6#

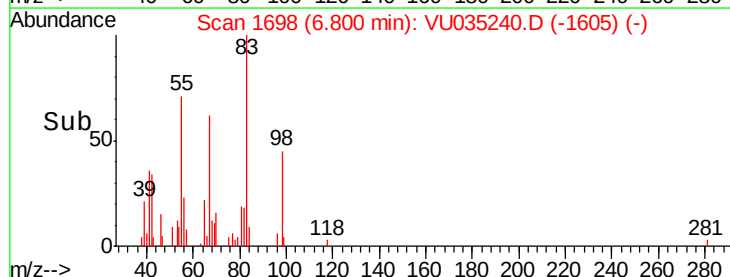
98 55.1 39.5 59.3



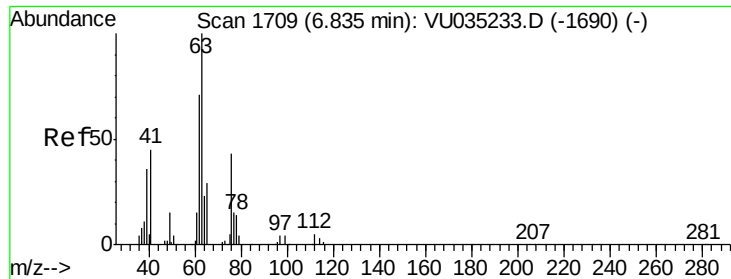
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



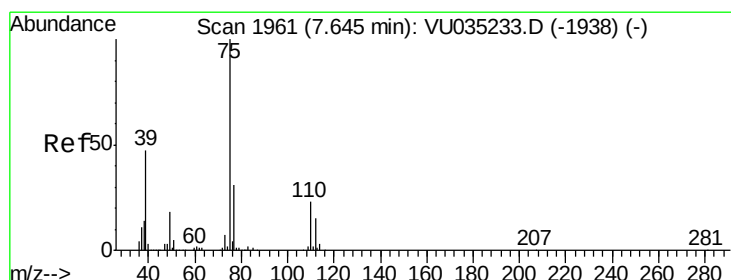
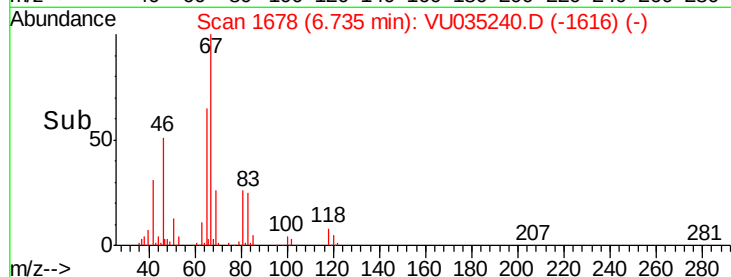
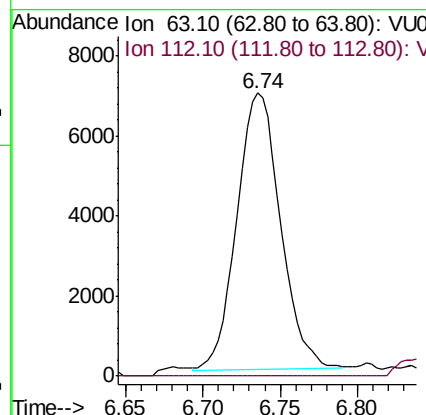
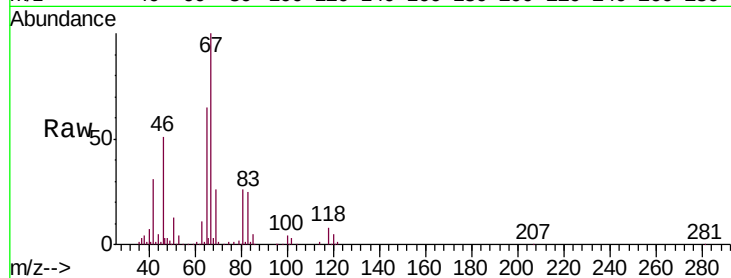
Time-->



#37
 1,2-Dichloropropane
 Concen: 0.578 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035240.D
 Acq: 18 Oct 2019 03:43

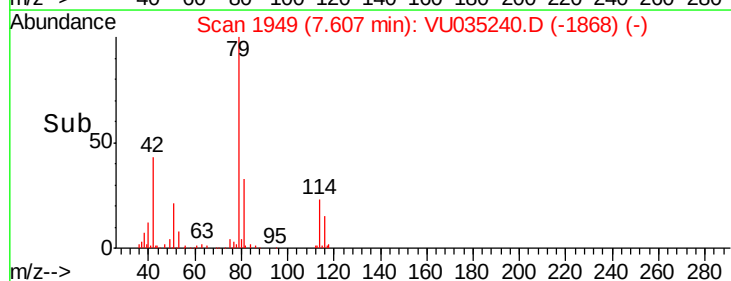
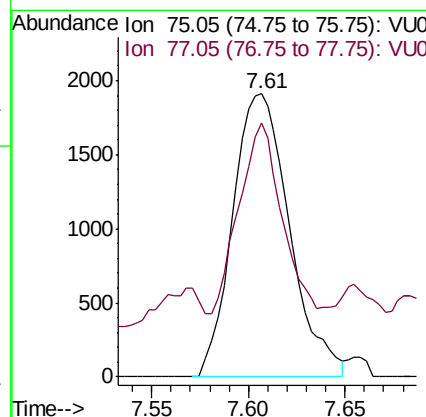
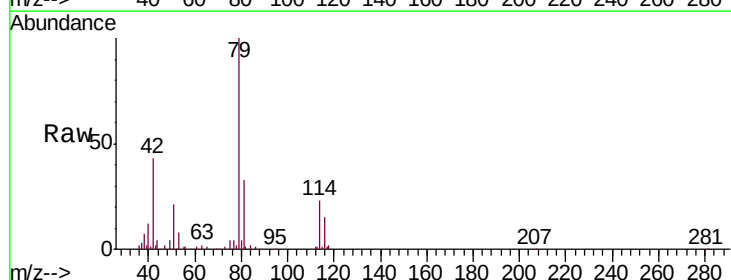
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G58

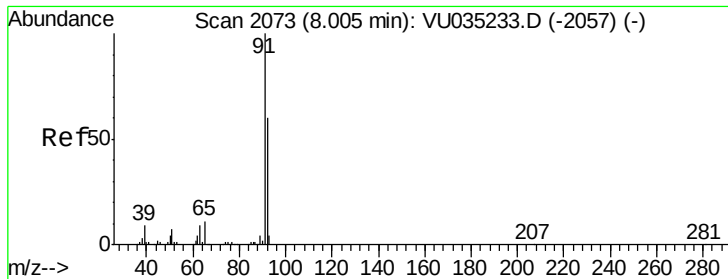
Tgt Ion: 63 Resp: 13638
 Ion Ratio Lower Upper
 63 100
 112 6.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU035240.D
 Acq: 18 Oct 2019 03:43

Tgt Ion: 75 Resp: 3893
 Ion Ratio Lower Upper
 75 100
 77 89.5 22.7 42.1#





#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

Instrument :

MSVOA_U

ClientSampleId :

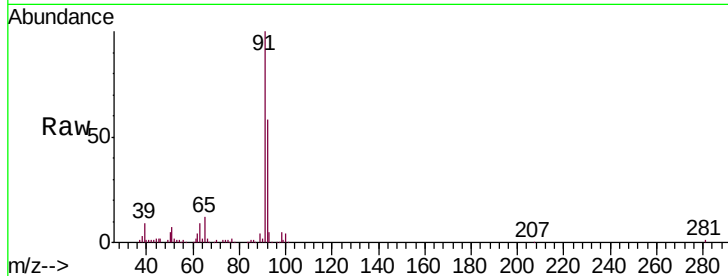
H0G58

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): VU035233.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035233.D (-2057) (-)

8.01

60000

50000

40000

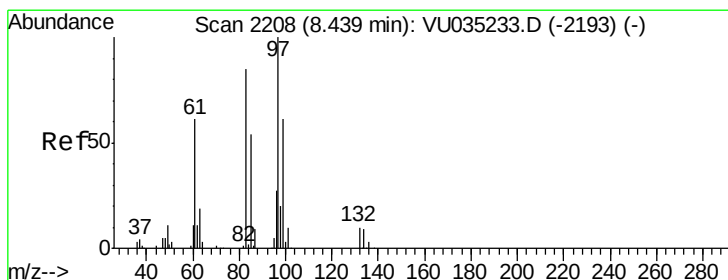
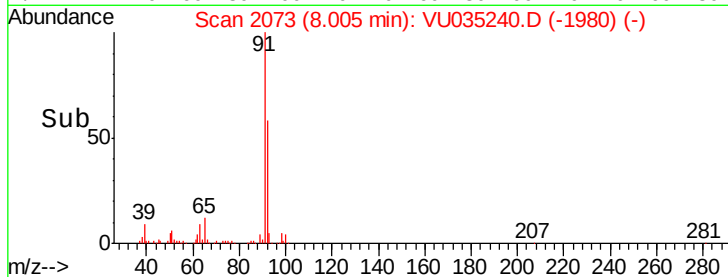
30000

20000

10000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.122 ug/L

RT: 8.40 min Scan# 2196

Delta R.T. -0.04 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Tgt Ion: 97 Resp: 2143

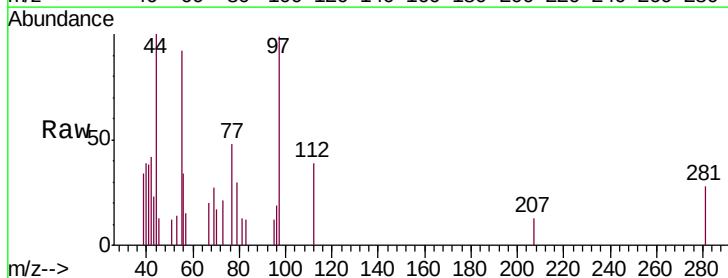
Ion Ratio Lower Upper

97 100

99 0.0 42.9 79.7#

83 12.2 60.4 112.2#

85 0.0 38.4 71.2#



Abundance Ion 96.95 (96.65 to 97.65): VU035233.D (-2193) (-)

Ion 99.05 (98.75 to 99.75): VU035233.D (-2193) (-)

Ion 82.95 (82.65 to 83.65): VU035233.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU035233.D (-2193) (-)

8.40

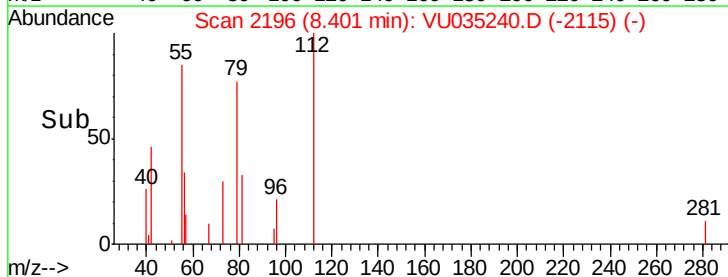
1500

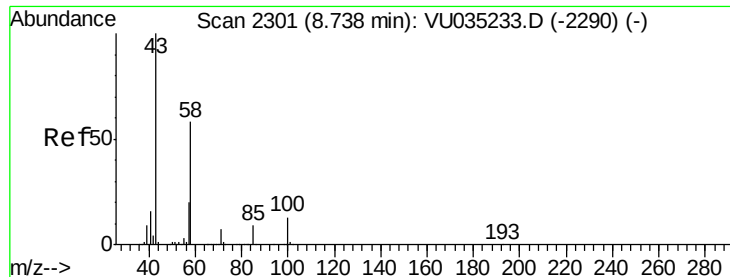
1000

500

0

Time-->

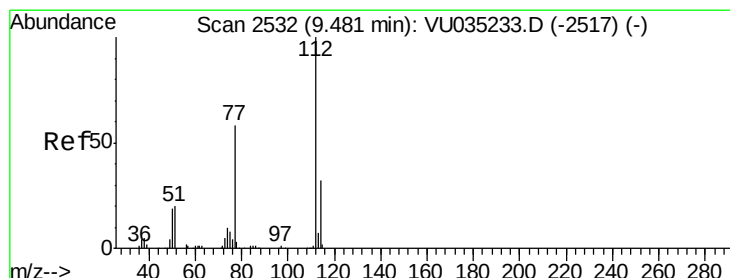
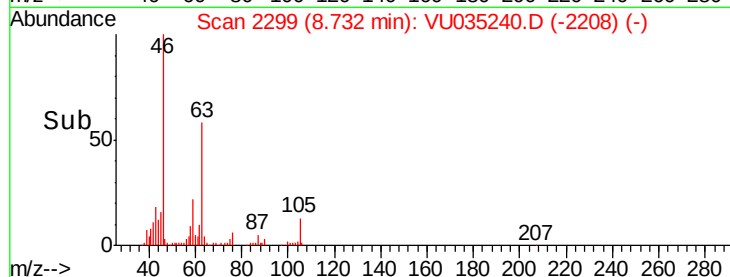
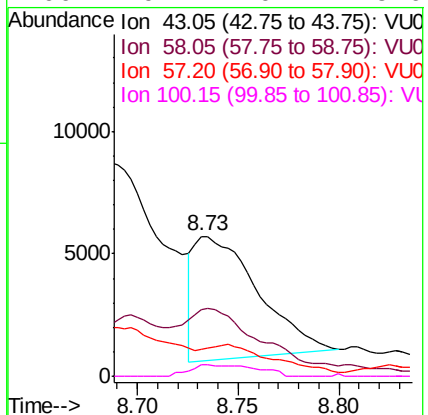
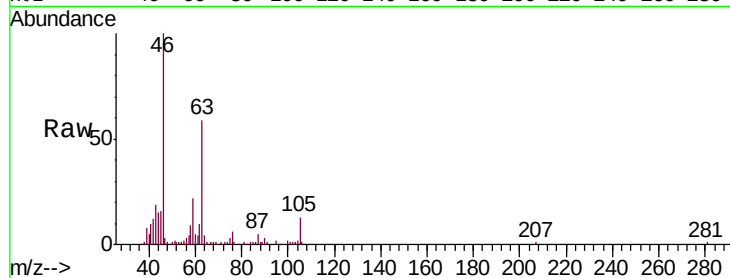




#48
2-Hexanone
Concen: 0.984 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.01 min
Lab File: VU035240.D
Acq: 18 Oct 2019 03:43

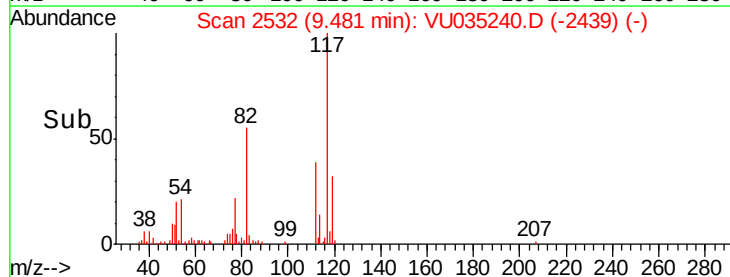
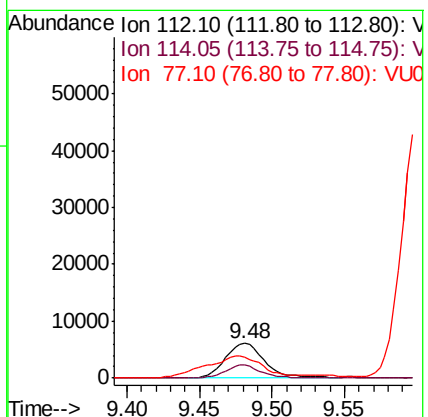
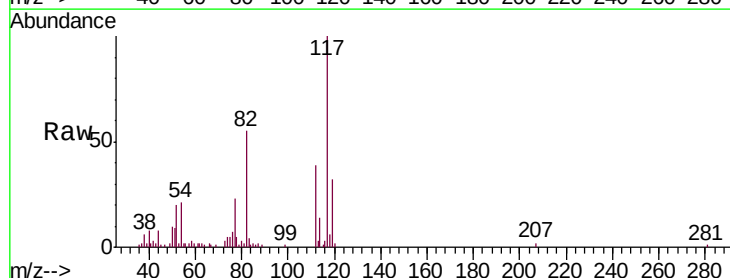
Instrument :
MSVOA_U
ClientSampleId :
H0G58

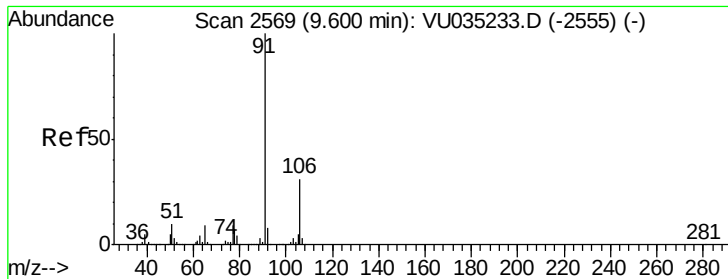
Tgt Ion: 43 Resp: 11004
Ion Ratio Lower Upper
43 100
58 54.2 45.1 67.7
57 21.3 16.0 24.0
100 9.7 10.4 15.6#



#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

Tgt Ion: 112 Resp: 11667
Ion Ratio Lower Upper
112 100
114 36.7 23.0 42.8
77 58.9 47.5 71.3





#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

Instrument :

MSVOA_U

ClientSampleId :

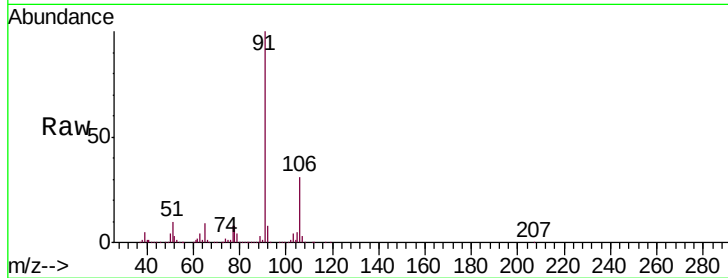
H0G58

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): VU035233.D (-2555) (-)

Ion 106.15 (105.85 to 106.85): VU035233.D (-2555) (-)

9.60

600000

500000

400000

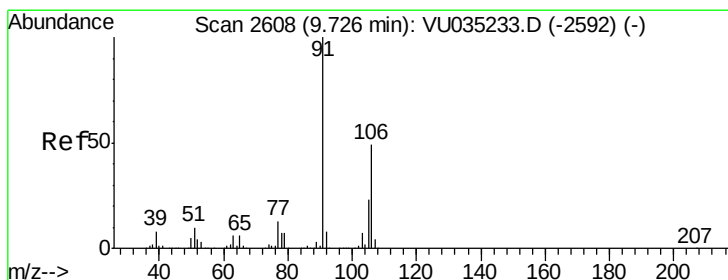
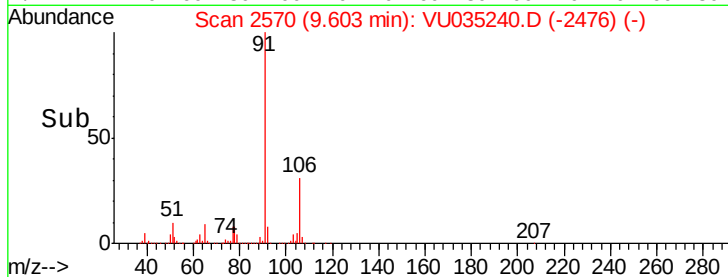
300000

200000

100000

0

Time-->



#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

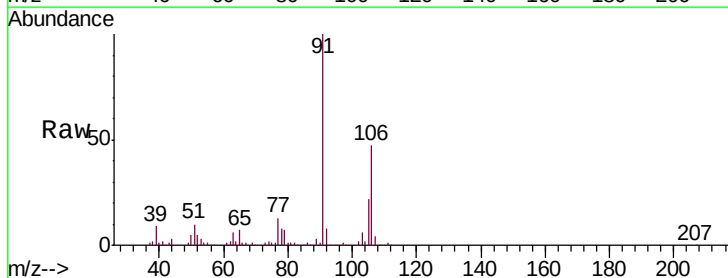
Acq: 18 Oct 2019 03:43

Tgt 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): VU035233.D (-2592) (-)

Ion 91.15 (90.85 to 91.85): VU035233.D (-2592) (-)

9.73

40000

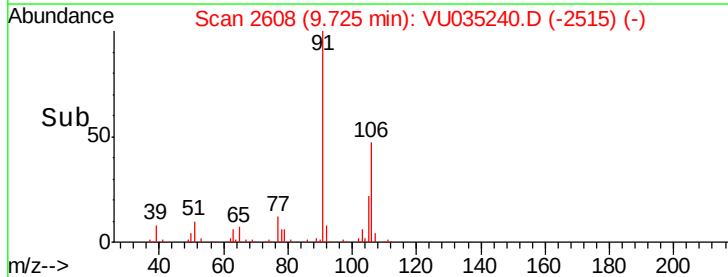
30000

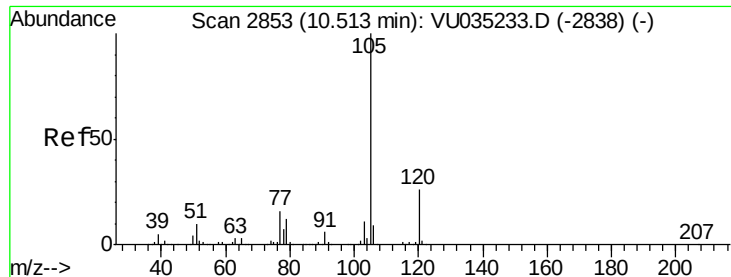
20000

10000

0

Time-->





#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

Instrument :

MSVOA_U

ClientSampleId :

H0G58

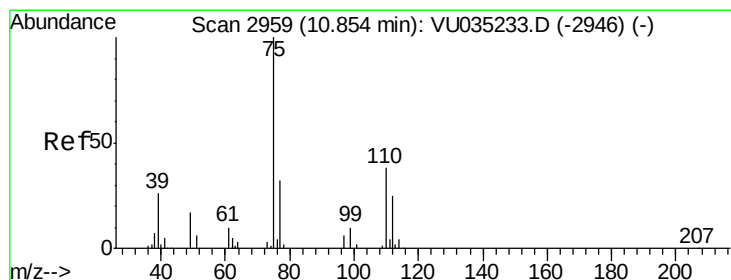
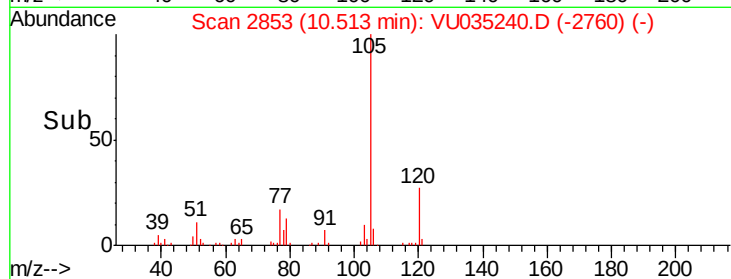
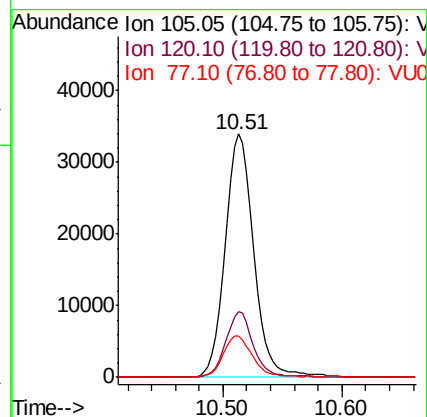
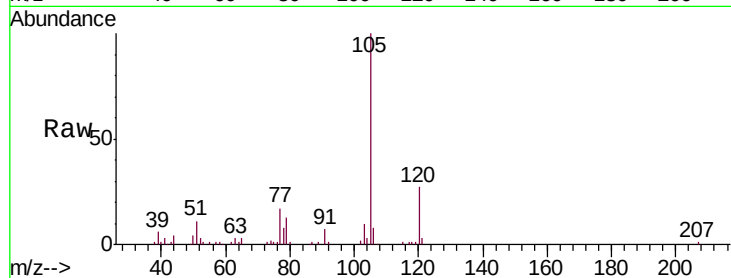
Tgt Ion:105 Resp: 56613

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

77 17.6 12.6 19.0



#59

1,2,3-Trichloropropane

Concen: 1.011 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035240.D

Acq: 18 Oct 2019 03:43

Tgt Ion: 75 Resp: 16635

Ion Ratio Lower Upper

75 100

77 37.9 26.2 39.2

