

Data File : VU035242.D
Acq On : 18 Oct 2019 04:30
Operator : JC/SP
Sample : K5419-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FY7

Quant Time: Oct 18 05:41:58 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	352490	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	343092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	133870	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	109418	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.93	69	102456	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.60	63	151649	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.71	46	288913	46.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.56%
24) Chloroform-d	5.11	84	193073	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.75	65	111379	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.77	84	407508	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.74	67	136666	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.93	98	390462	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	8.22	79	57269	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.69	63	249355	46.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	107784	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	125719	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	44901	1.469 ug/L	90
12) 1,1-Dichloroethene	2.60	96	2043	0.090 ug/L #	1
13) Acetone	2.67	43	5338	1.242 ug/L	91
15) Methyl Acetate	2.99	43	2037	0.190 ug/L #	56
18) trans-1,2-Dichloroethene	3.40	96	3905	0.160 ug/L	76
19) 1,1-Dichloroethane	3.92	63	11469	0.260 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	17015	0.630 ug/L	99
25) Chloroform	5.14	83	9970	0.206 ug/L	98
30) Cyclohexane	5.43	56	5945	0.138 ug/L #	83
33) Benzene	5.82	78	19070	0.189 ug/L	100
34) Trichloroethene	6.58	95	4384	0.162 ug/L	92
35) Methylcyclohexane	6.80	83	6858	0.151 ug/L #	75
37) 1,2-Dichloropropane	6.74	63	14087	0.550 ug/L #	88
39) cis-1,3-Dichloropropene	7.61	75	3536	0.082 ug/L #	23
42) Toluene	8.01	91	17652	0.158 ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	4112	0.216 ug/L #	21
48) 2-Hexanone	8.70	43	24316	2.004 ug/L #	67

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

Data File : VU035242.D
Acq On : 18 Oct 2019 04:30
Operator : JC/SP
Sample : K5419-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FY7

Quant Time: Oct 18 05:41:58 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

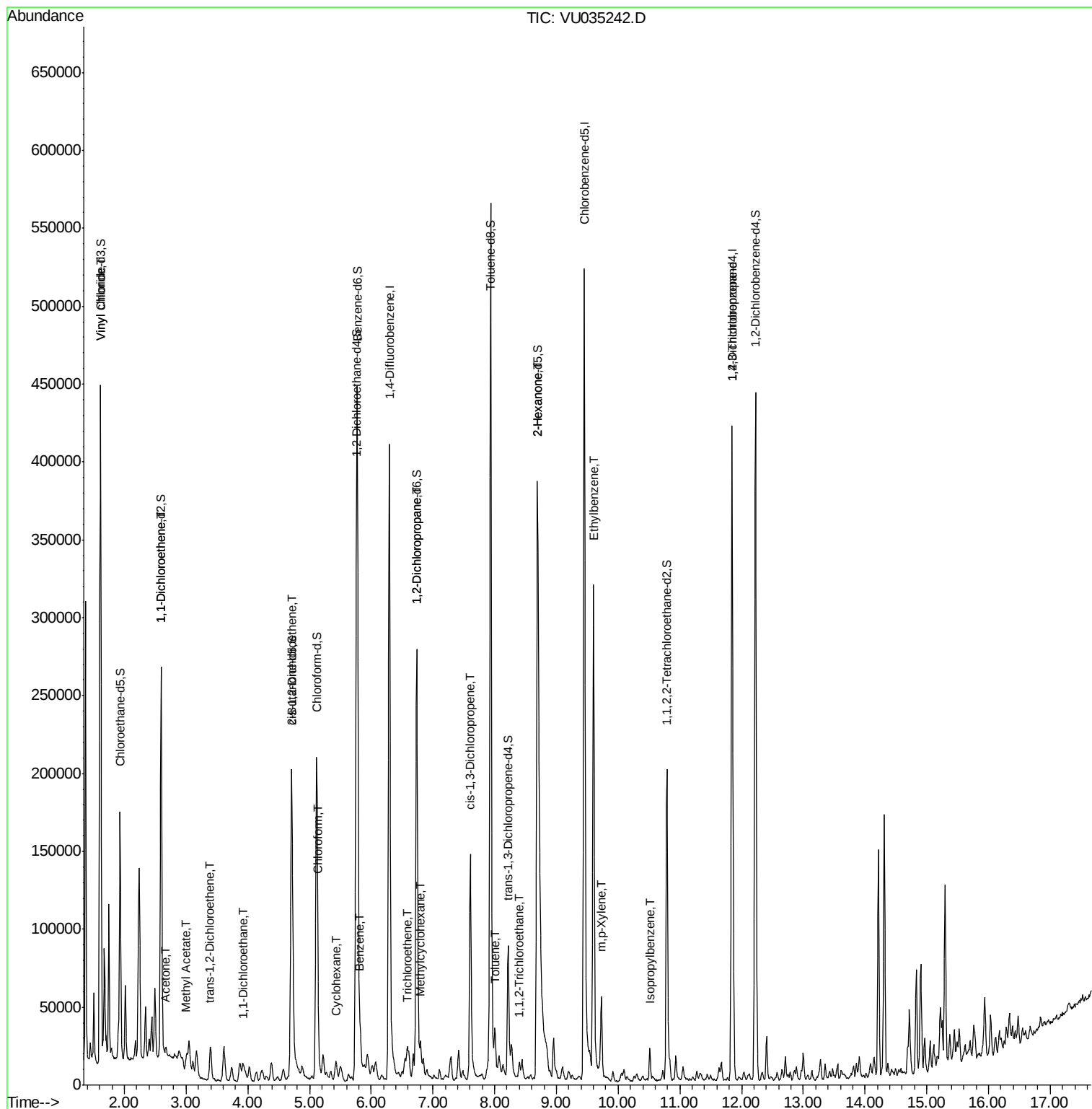
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.60	91	246590	1.946	ug/L	99
53) m,p-Xylene	9.73	106	13237	0.277	ug/L	95
56) Isopropylbenzene	10.51	105	14972	0.119	ug/L	98
59) 1,2,3-Trichloropropane	11.84	75	16035	0.898	ug/L #	87

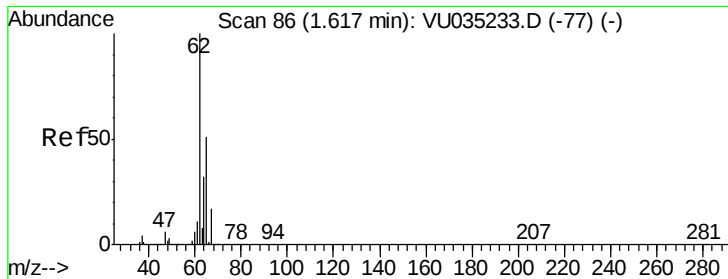
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035242.D
Acq On : 18 Oct 2019 04:30
Operator : JC/SP
Sample : K5419-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FY7

Quant Time: Oct 18 05:41:58 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





#5

Vinyl chloride

Concen: 1.469 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

Instrument :

MSVOA_U

ClientSampleId :

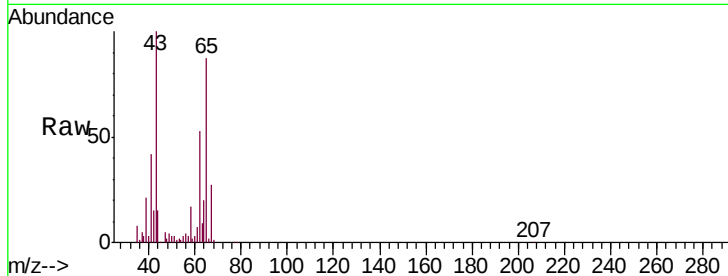
H0FY7

Tgt Ion: 62 Resp: 44901

Ion Ratio Lower Upper

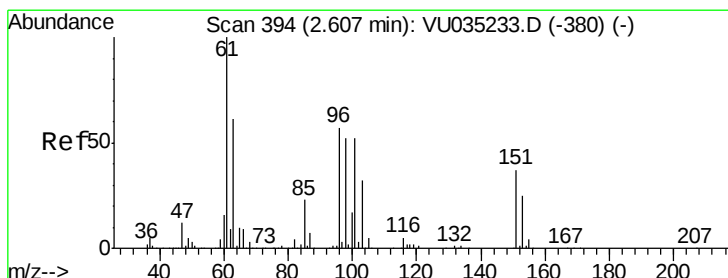
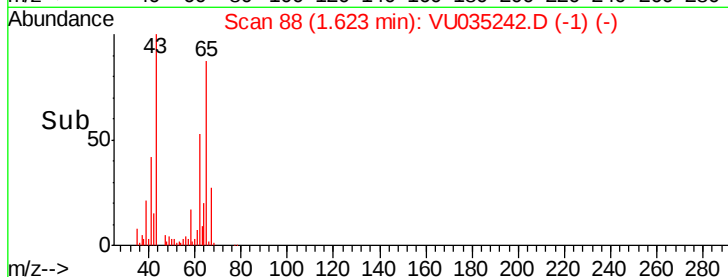
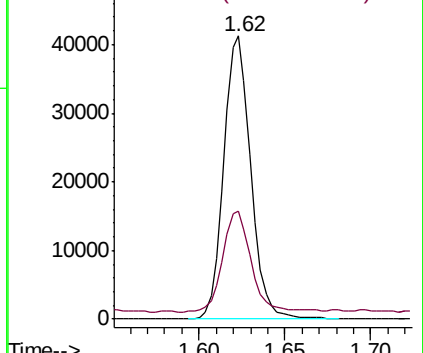
62 100

64 38.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.090 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

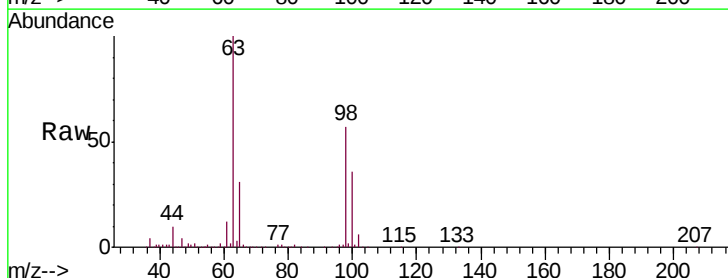
Tgt Ion: 96 Resp: 2043

Ion Ratio Lower Upper

96 100

61 1258.3 120.6 224.0#

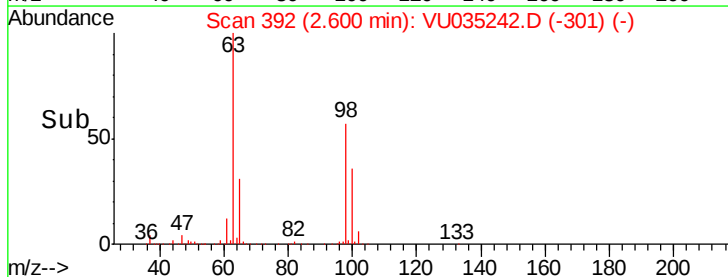
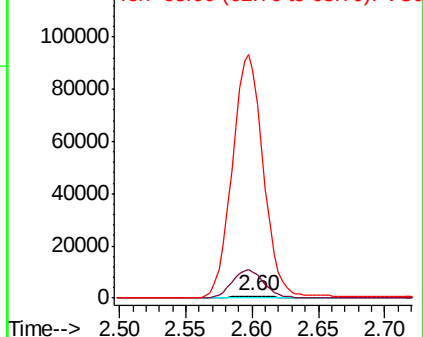
63 10892.4 86.8 161.2#

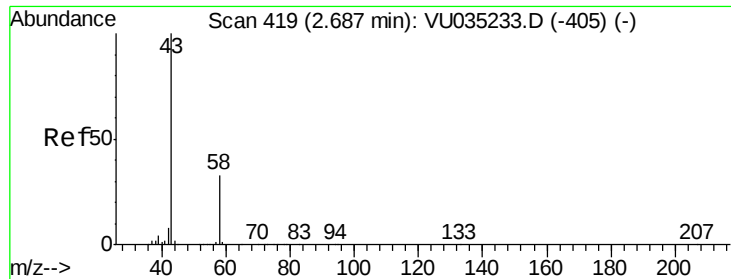


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.242 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

Instrument :

MSVOA_U

ClientSampleId :

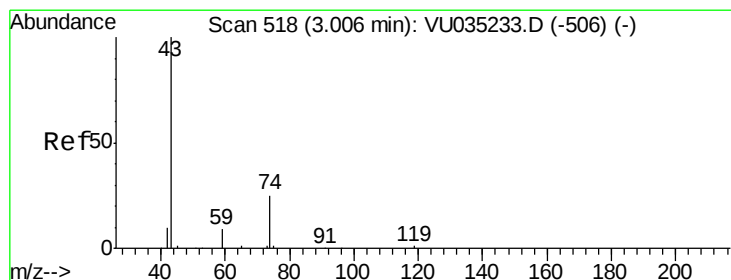
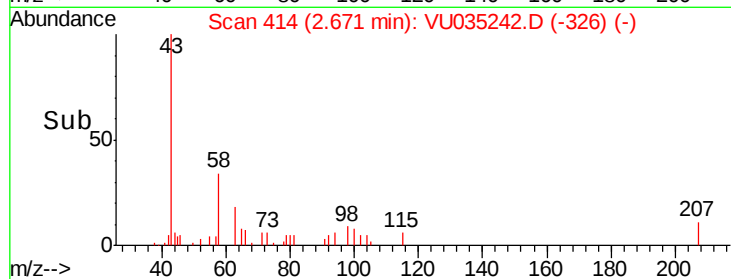
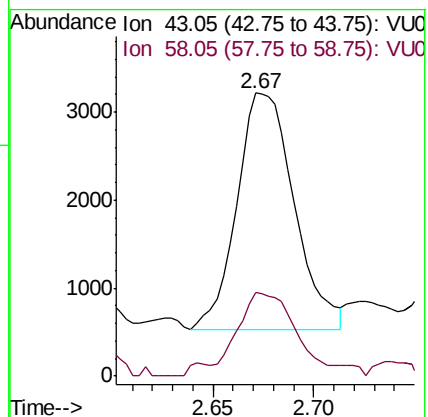
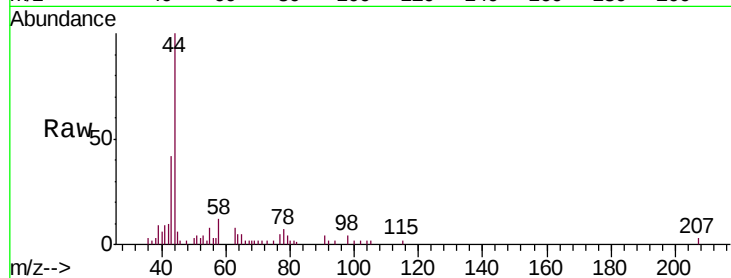
H0FY7

Tgt Ion: 43 Resp: 5338

Ion Ratio Lower Upper

43 100

58 36.1 0.0 61.8



#15

Methyl Acetate

Concen: 0.190 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.01 min

Lab File: VU035242.D

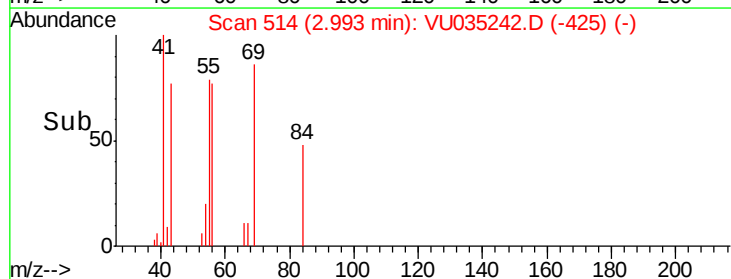
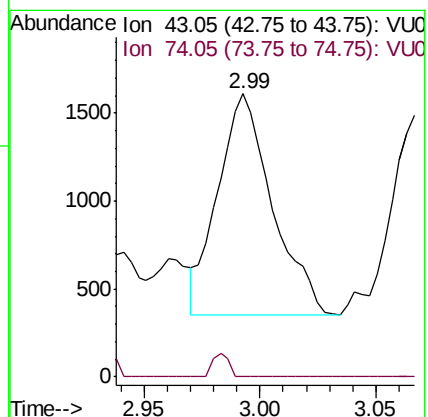
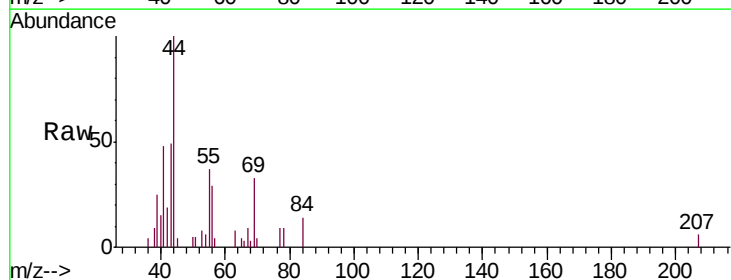
Acq: 18 Oct 2019 04:30

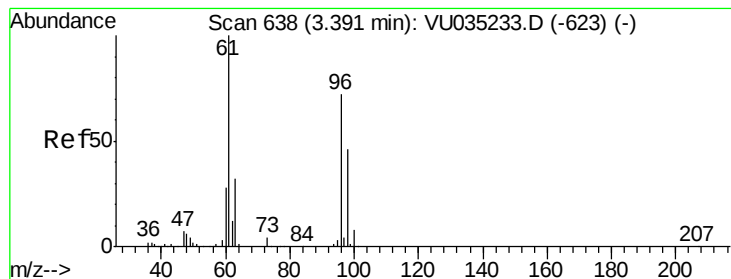
Tgt Ion: 43 Resp: 2037

Ion Ratio Lower Upper

43 100

74 3.2 20.3 30.5#





#18

trans-1,2-Dichloroethene

Concen: 0.160 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.01 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

Instrument :

MSVOA_U

ClientSampleId :

H0FY7

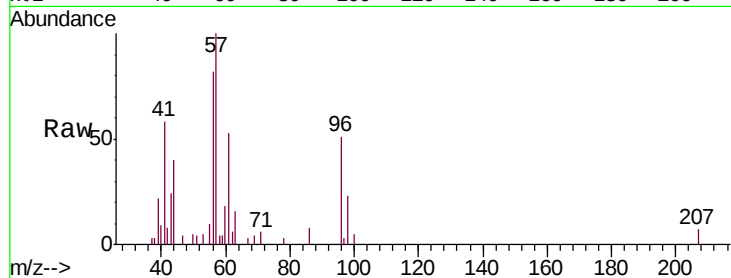
Tgt Ion: 96 Resp: 3905

Ion Ratio Lower Upper

96 100

61 103.0 93.0 172.6

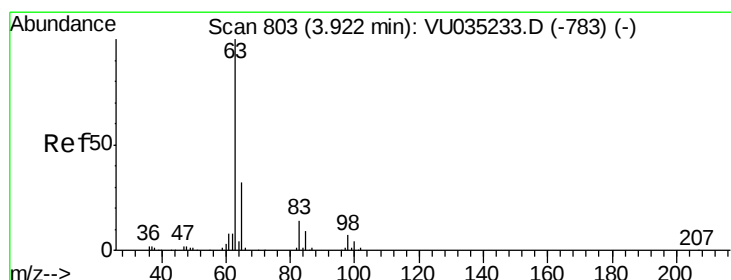
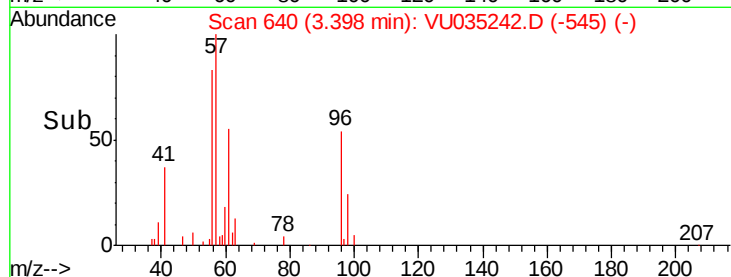
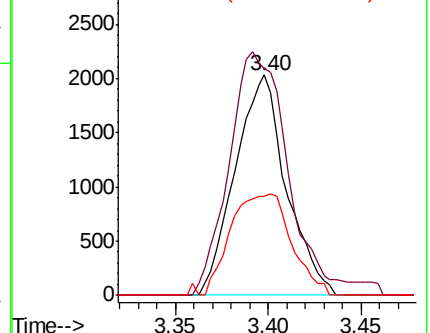
98 44.9 43.7 81.1



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) (-)



#19

1,1-Dichloroethane

Concen: 0.260 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

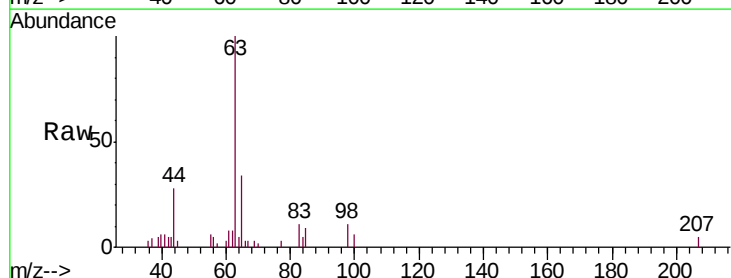
Tgt Ion: 63 Resp: 11469

Ion Ratio Lower Upper

63 100

65 34.2 22.4 41.6

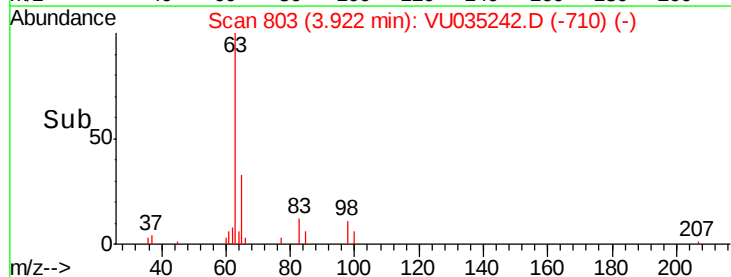
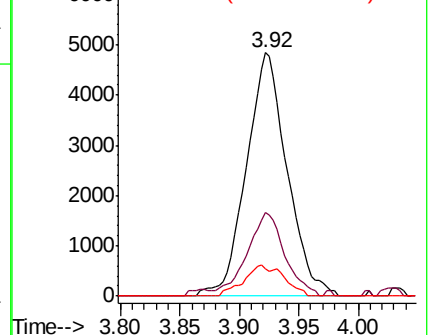
83 11.4 9.3 17.3

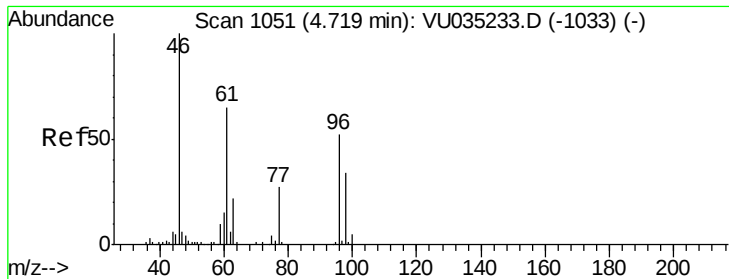


Abundance Ion 63.10 (62.80 to 63.80): VU035233.D (-783) (-)

Ion 65.10 (64.80 to 65.80): VU035233.D (-783) (-)

Ion 83.05 (82.75 to 83.75): VU035233.D (-783) (-)

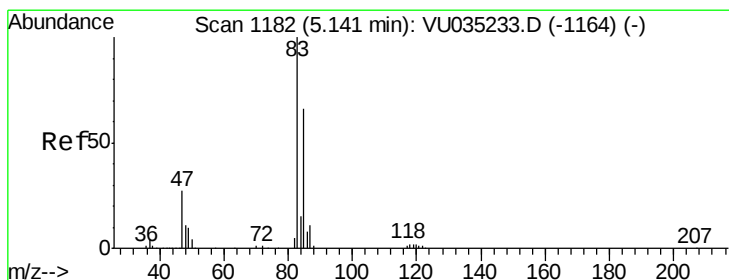
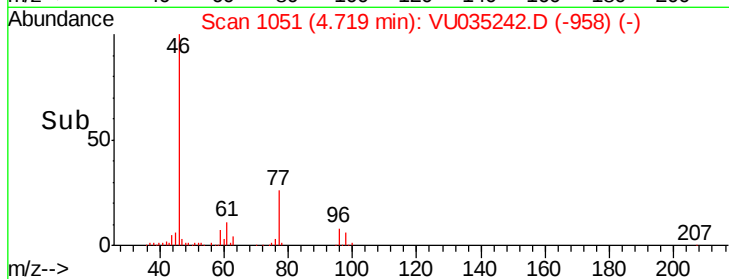
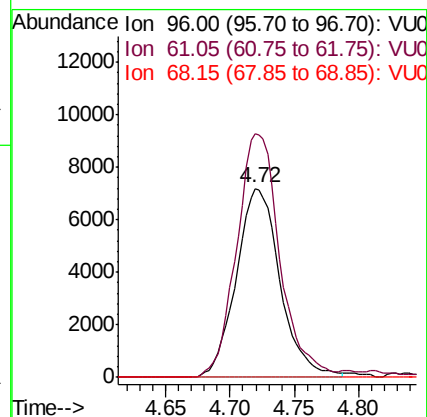
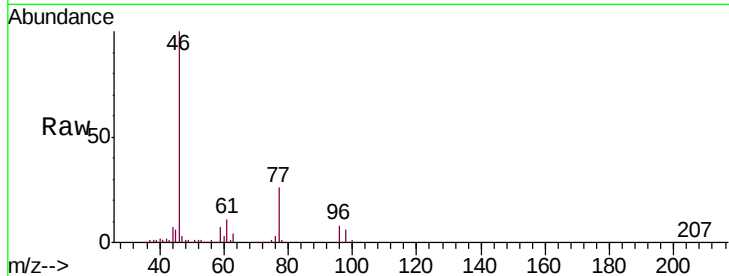




#22
 cis-1,2-Dichloroethene
 Concen: 0.630 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035242.D
 Acq: 18 Oct 2019 04:30

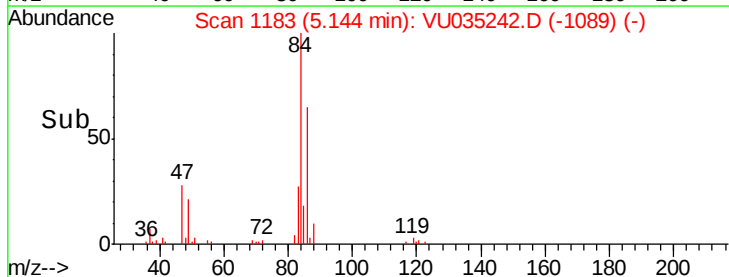
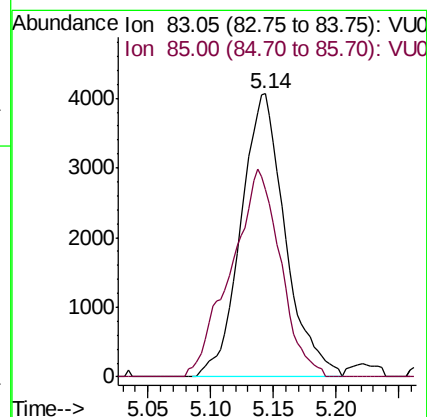
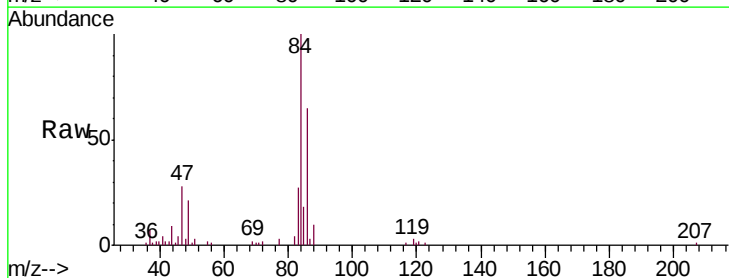
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FY7

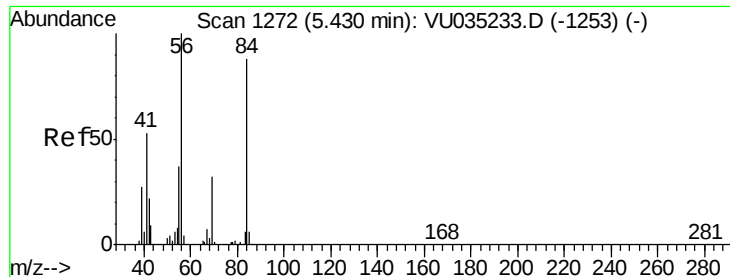
Tgt Ion: 96 Resp: 17015
 Ion Ratio Lower Upper
 96 100
 61 129.1 89.7 166.5
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.206 ug/L
 RT: 5.14 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VU035242.D
 Acq: 18 Oct 2019 04:30

Tgt Ion: 83 Resp: 9970
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.1 83.9

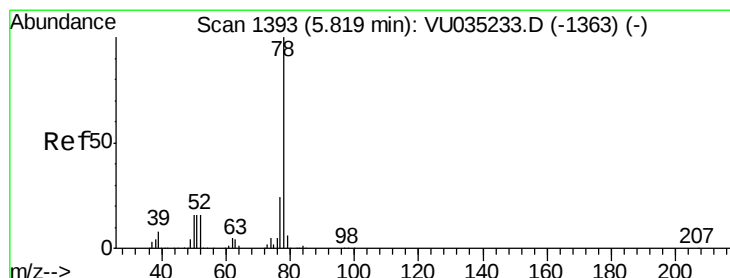
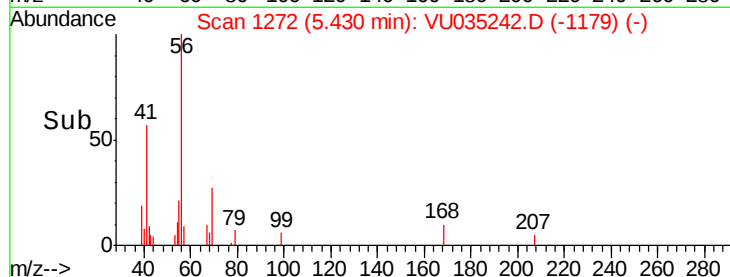
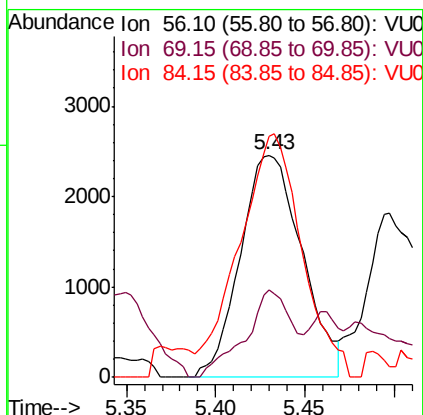
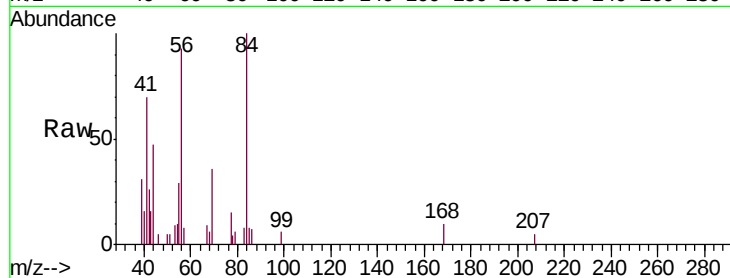




#30
Cyclohexane
Concen: 0.138 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035242.D
Acq: 18 Oct 2019 04:30

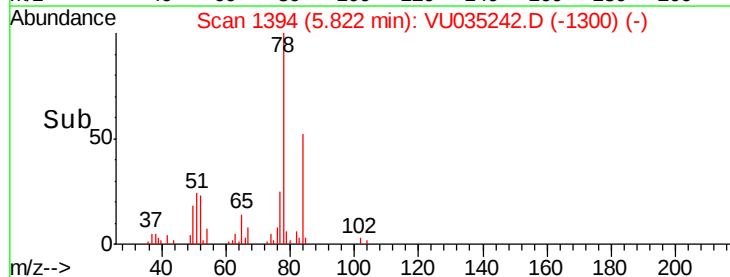
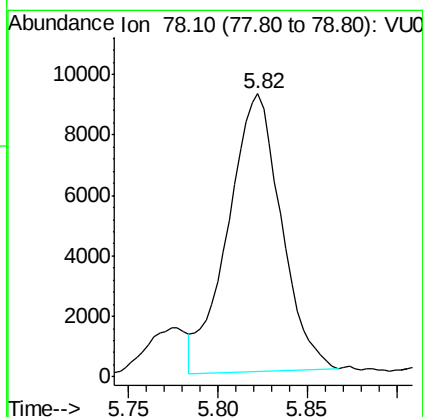
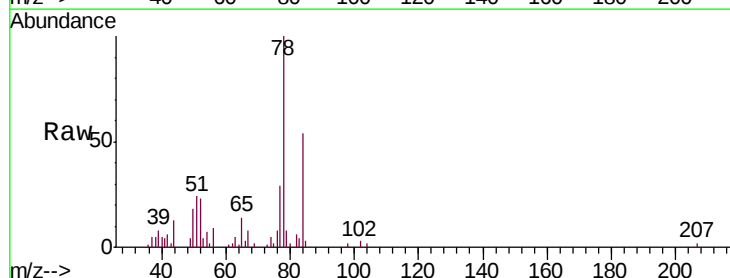
Instrument :
MSVOA_U
ClientSampleId :
H0FY7

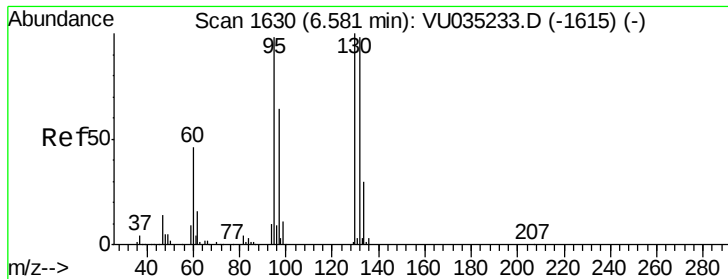
Tgt Ion: 56 Resp: 5945
Ion Ratio Lower Upper
56 100
69 30.3 24.6 36.8
84 110.8 71.5 107.3#



#33
Benzene
Concen: 0.189 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VU035242.D
Acq: 18 Oct 2019 04:30

Tgt Ion: 78 Resp: 19070

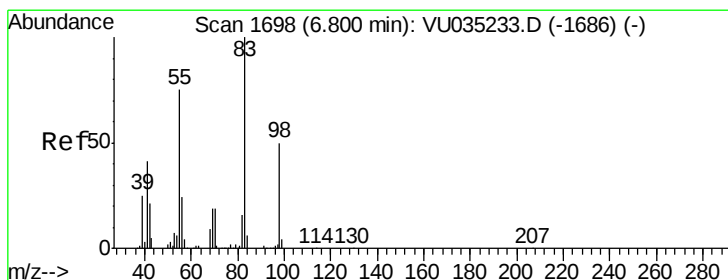
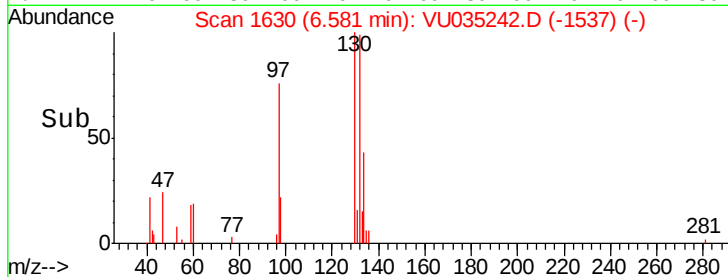
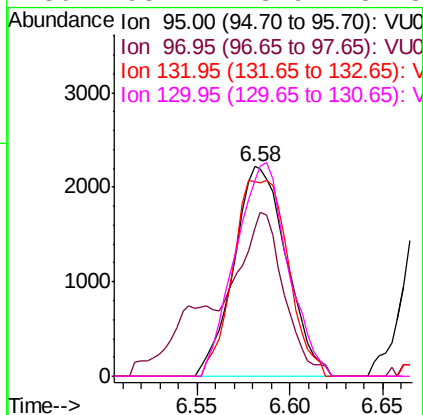
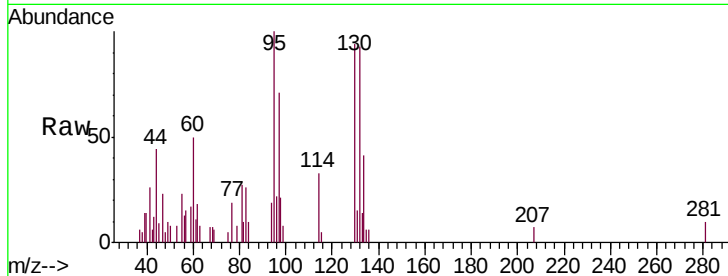




#34
 Trichloroethene
 Concen: 0.162 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035242.D
 Acq: 18 Oct 2019 04:30

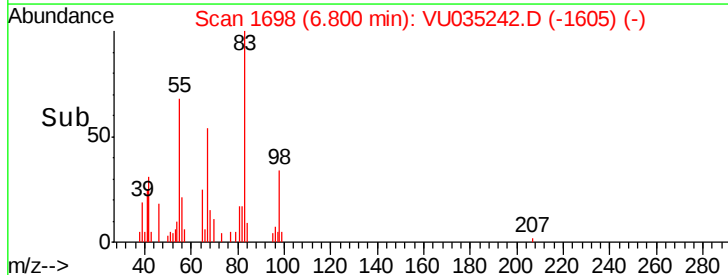
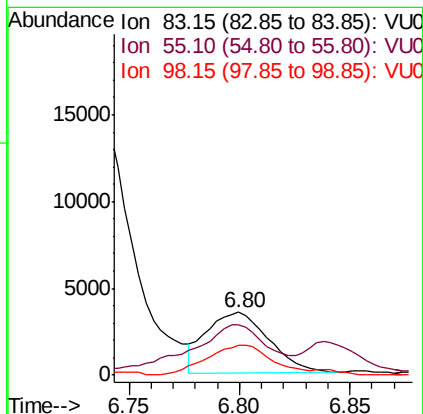
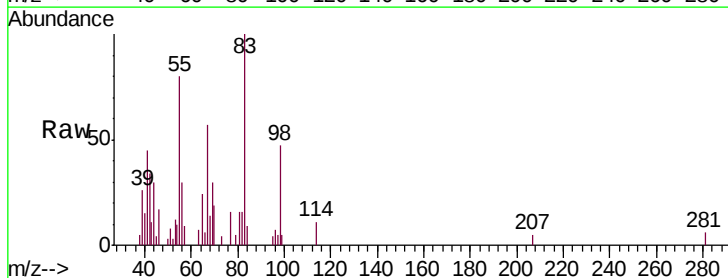
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FY7

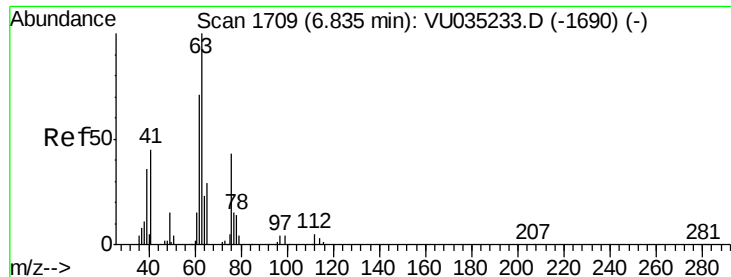
Tgt Ion:	95	Resp:	4384
Ion	Ratio	Lower	Upper
95	100		
97	70.9	46.6	86.6
132	92.9	68.7	127.7
130	93.7	73.9	137.3



#35
 Methylcyclohexane
 Concen: 0.151 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035242.D
 Acq: 18 Oct 2019 04:30

Tgt Ion:	83	Resp:	6858
Ion	Ratio	Lower	Upper
83	100		
55	108.8	60.4	90.6#
98	51.6	39.5	59.3





#37

1,2-Dichloropropane

Concen: 0.550 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

Instrument :

MSVOA_U

ClientSampleId :

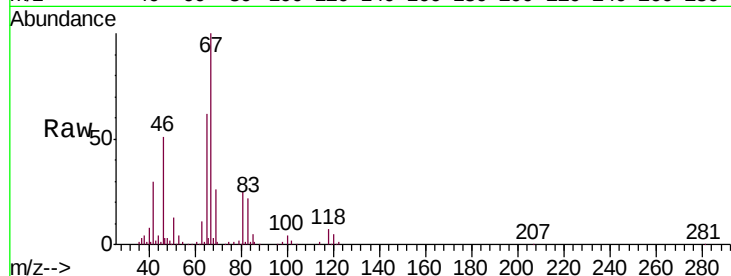
H0FY7

Tgt Ion: 63 Resp: 14087

Ion Ratio Lower Upper

63 100

112 8.5 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035233.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU035233.D (-1690) (-)

6.74

8000

6000

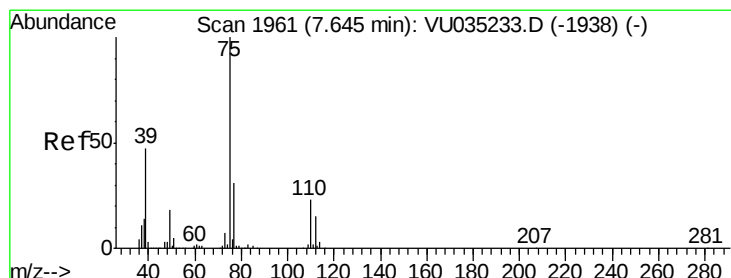
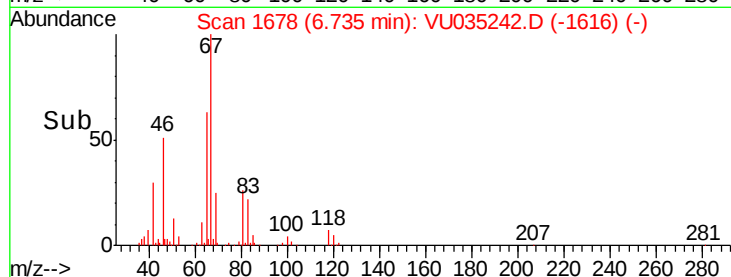
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035242.D

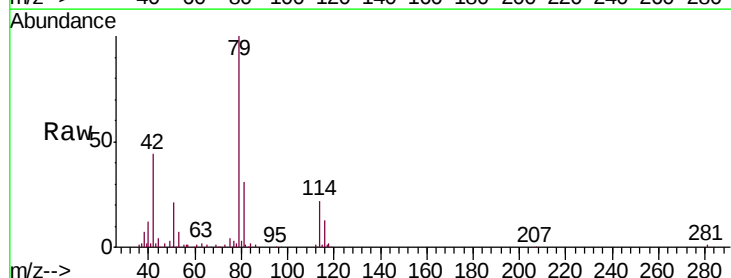
Acq: 18 Oct 2019 04:30

Tgt Ion: 75 Resp: 3536

Ion Ratio Lower Upper

75 100

77 75.6 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035233.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU035233.D (-1938) (-)

7.61

2000

1500

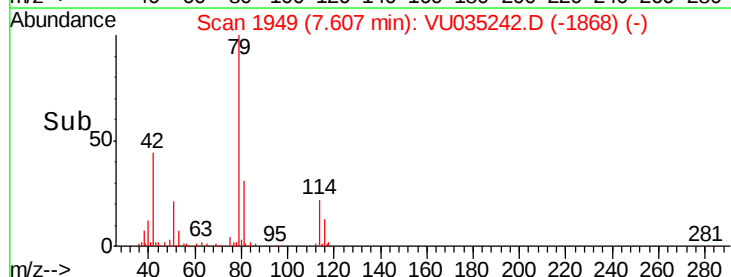
1000

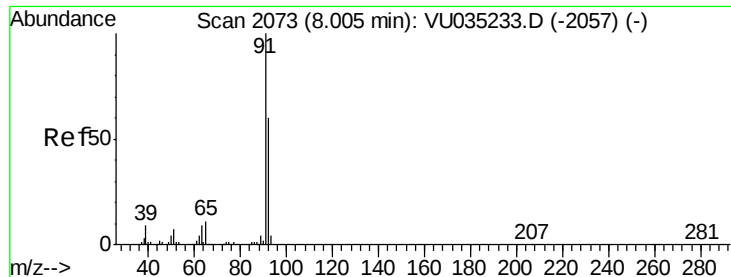
500

0

7.55 7.60 7.65

Time-->





#42

Toluene

Concen: 0.158 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

Instrument :

MSVOA_U

ClientSampleId :

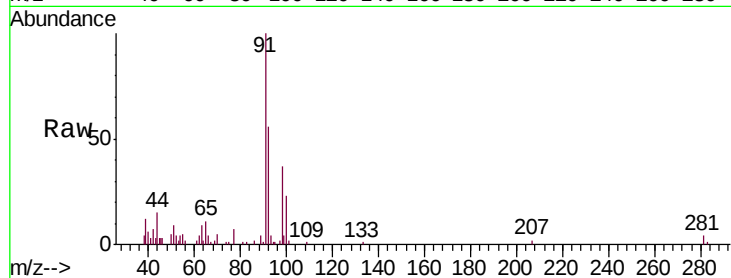
H0FY7

Tgt Ion: 91 Resp: 17652

Ion Ratio Lower Upper

91 100

92 55.6 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

10000

8000

6000

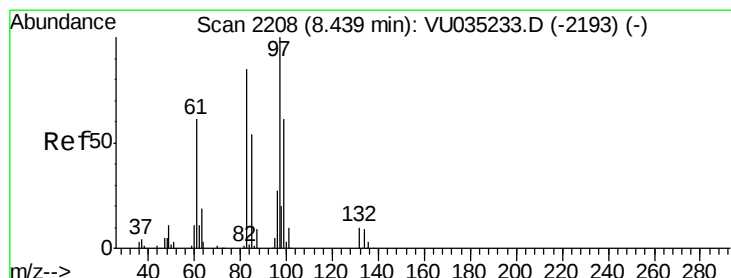
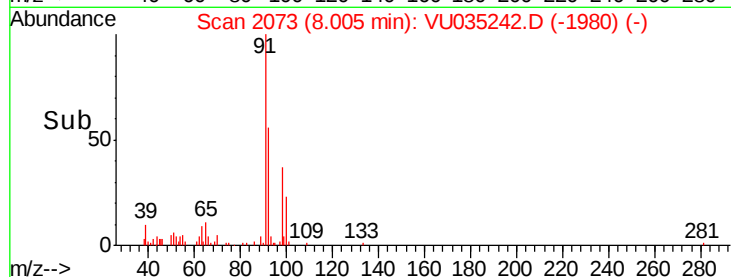
4000

2000

0

7.95 8.00 8.05

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.216 ug/L

RT: 8.40 min Scan# 2195

Delta R.T. -0.04 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

Tgt Ion: 97 Resp: 4112

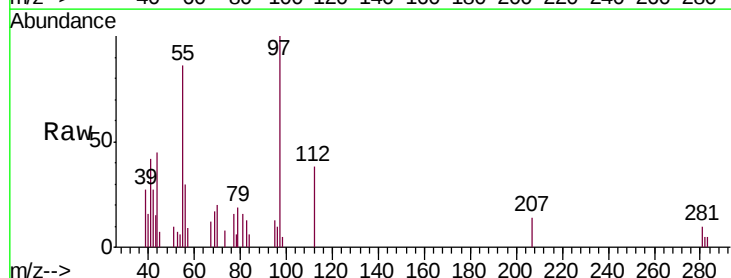
Ion Ratio Lower Upper

97 100

99 0.0 42.9 79.7#

83 12.9 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

3000

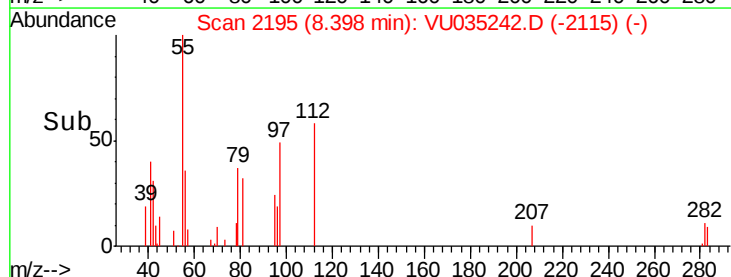
2000

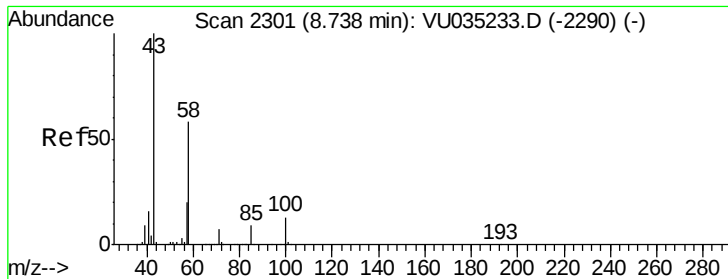
1000

0

8.35 8.40 8.45

Time-->

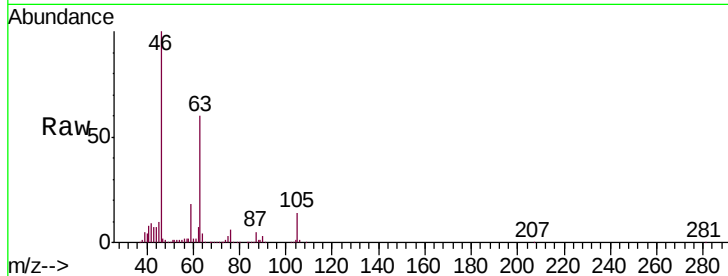




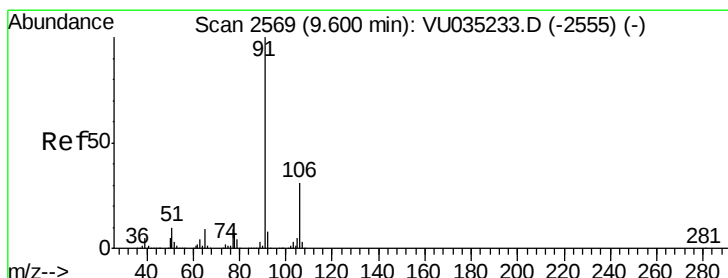
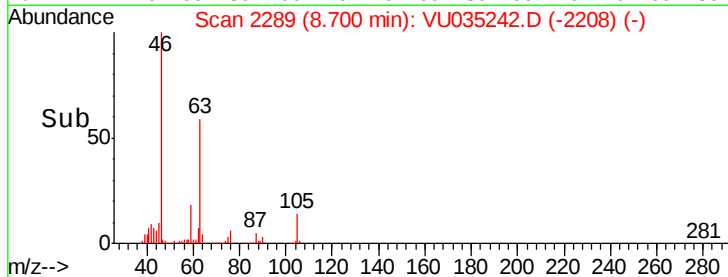
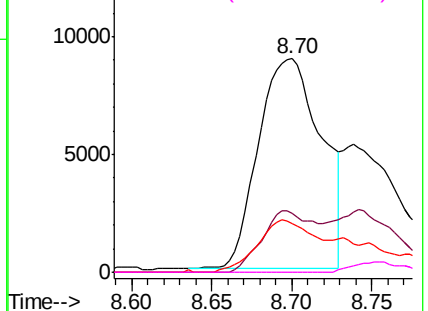
#48
2-Hexanone
Concen: 2.004 ug/L
RT: 8.70 min Scan# 2289
Delta R.T. -0.04 min
Lab File: VU035242.D
Acq: 18 Oct 2019 04:30

Instrument :
MSVOA_U
ClientSampleId :
H0FY7

Tgt Ion: 43 Resp: 24316
Ion Ratio Lower Upper
43 100
58 24.8 45.1 67.7#
57 22.7 16.0 24.0
100 0.0 10.4 15.6#

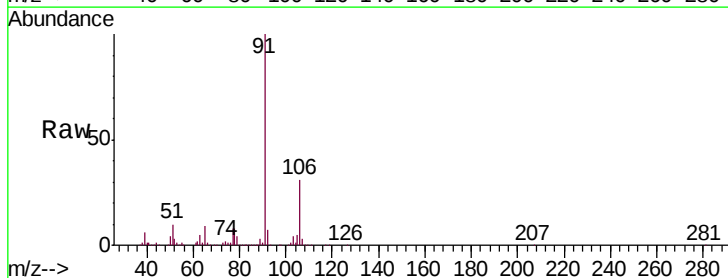


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

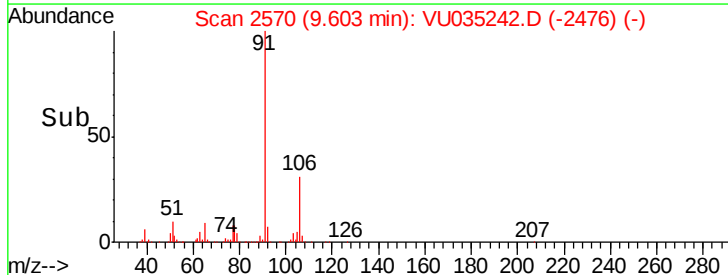
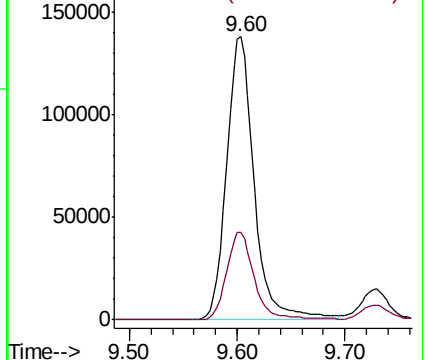


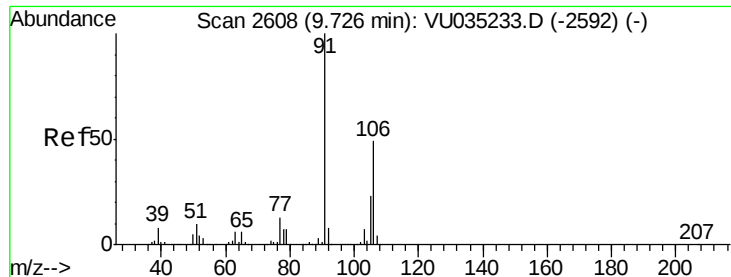
#52
Ethylbenzene
Concen: 1.946 ug/L
RT: 9.60 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU035242.D
Acq: 18 Oct 2019 04:30

Tgt Ion: 91 Resp: 246590
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): VU0





#53

m,p-Xylene

Concen: 0.277 ug/L

RT: 9.73 min Scan# 2609

Delta R.T. 0.00 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

Instrument :

MSVOA_U

ClientSampleId :

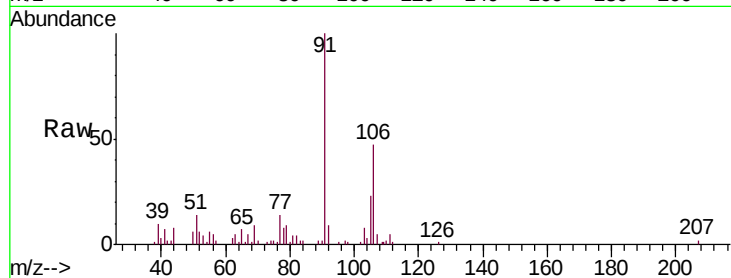
H0FY7

Tgt Ion:106 Resp: 13237

Ion Ratio Lower Upper

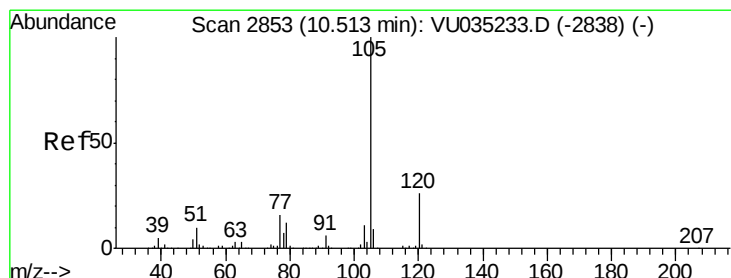
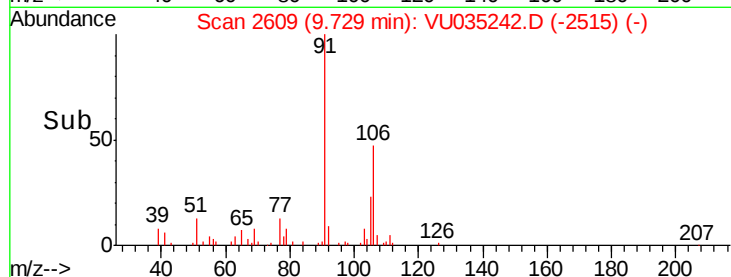
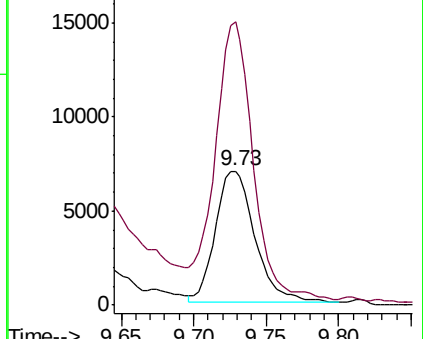
106 100

91 210.8 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.119 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

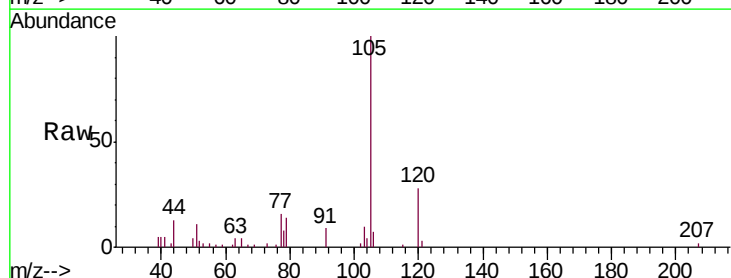
Tgt Ion:105 Resp: 14972

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

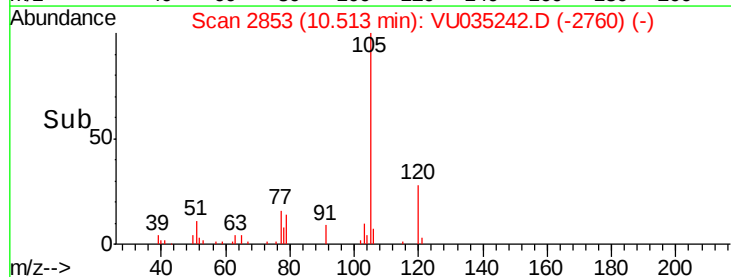
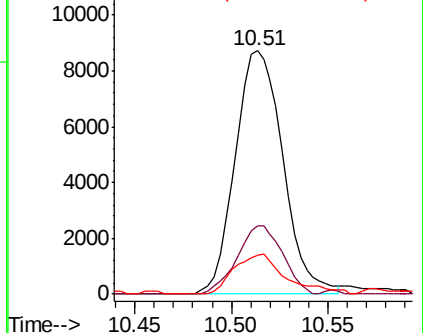
77 17.9 12.6 19.0

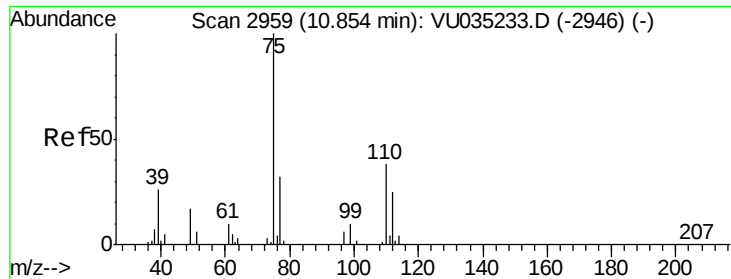


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 0.898 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035242.D

Acq: 18 Oct 2019 04:30

Instrument :

MSVOA_U

ClientSampleId :

H0FY7

Tgt Ion: 75 Resp: 16035

Ion Ratio Lower Upper

75 100

77 40.2 26.2 39.2#

