

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035253.D
 Acq On : 18 Oct 2019 08:47
 Operator : JC/SP
 Sample : K5419-03MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 18 13:54:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 13:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	357996	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	347663	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	153113	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	103011	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.93	69	91473	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.60	63	182352	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.71	46	257663	41.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.14%
24) Chloroform-d	5.11	84	183500	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.75	65	102729	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.77	84	380805	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.74	67	120006	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.93	98	357715	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.21	79	53952	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.68	63	233582	43.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.46%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	99276	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	129936	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	14359	0.463	ug/L # 75
12) 1,1-Dichloroethene	2.61	96	75276	3.273	ug/L 98
13) Acetone	2.68	43	11113	2.547	ug/L 93
18) trans-1,2-Dichloroethene	3.39	96	6588	0.265	ug/L 97
22) cis-1,2-Dichloroethene	4.72	96	14890	0.543	ug/L 95
30) Cyclohexane	5.43	56	3599	0.083	ug/L # 82
33) Benzene	5.82	78	384072	3.755	ug/L 100
34) Trichloroethene	6.58	95	98784	3.592	ug/L 97
35) Methylcyclohexane	6.74	83	30700	0.668	ug/L # 19
37) 1,2-Dichloropropane	6.74	63	14319	0.551	ug/L # 86
39) cis-1,3-Dichloropropene	7.60	75	3994	0.092	ug/L # 45
42) Toluene	8.01	91	419444	3.714	ug/L 100
45) 1,1,2-Trichloroethane	8.40	97	3470	0.180	ug/L # 21
48) 2-Hexanone	8.74	43	13313	1.083	ug/L # 90
51) Chlorobenzene	9.48	112	284180	3.898	ug/L 99
52) Ethylbenzene	9.60	91	14565	0.113	ug/L 96
59) 1,2,3-Trichloropropane	11.84	75	18155	1.003	ug/L # 86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035253.D
Acq On : 18 Oct 2019 08:47
Operator : JC/SP
Sample : K5419-03MS
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 57 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 18 13:54:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 13:51:17 2019
Response via : Initial Calibration

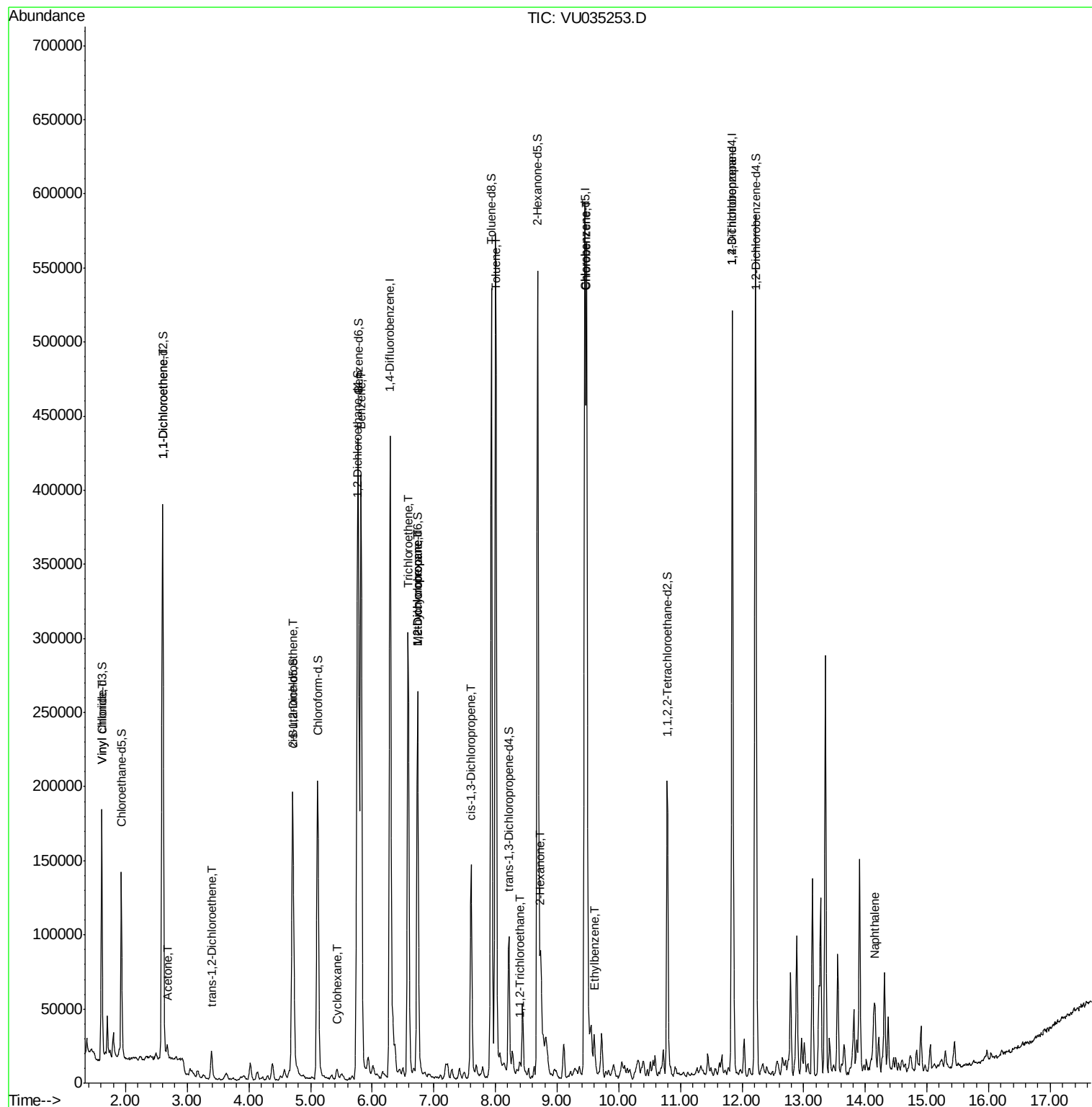
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	14.14	128	4009	0.136	ug/L #	82
-----	-----	-----	-----	-----	-----	-----

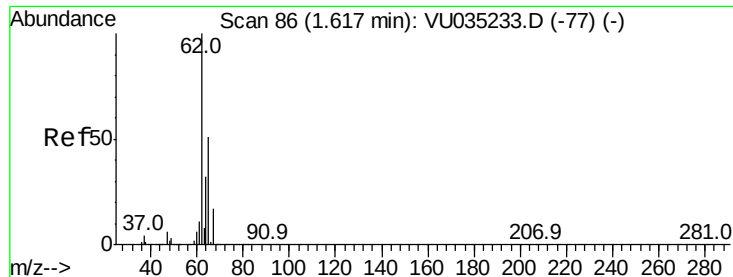
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101719\
Data File : VU035253.D
Acq On : 18 Oct 2019 08:47
Operator : JC/SP
Sample : K5419-03MS
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 57 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 18 13:54:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 13:51:17 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.463 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Instrument :

MSVOA_U

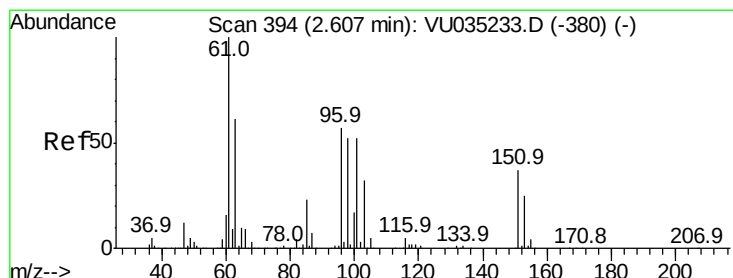
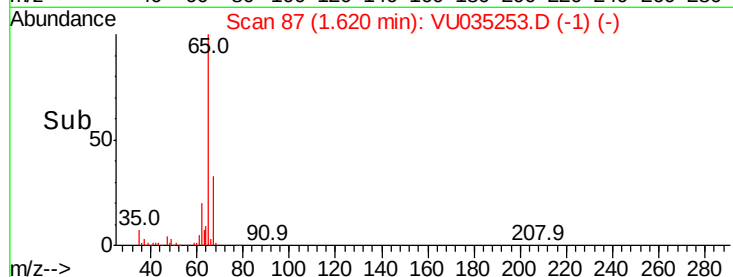
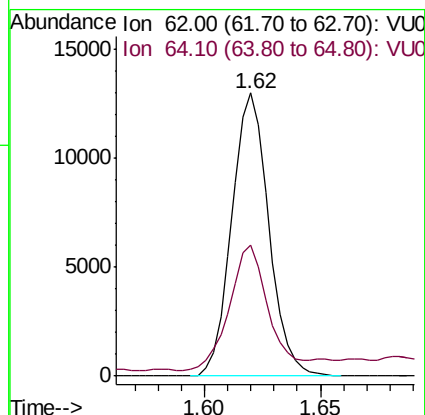
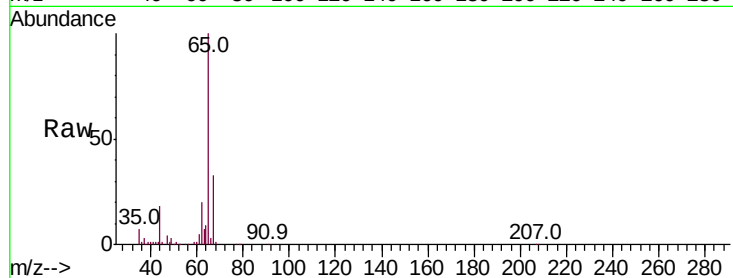
ClientSampled :

Tot Ion: 62 Resp: 14359

Ion Ratio Lower Upper

62 100

64 46.5 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 3.273 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

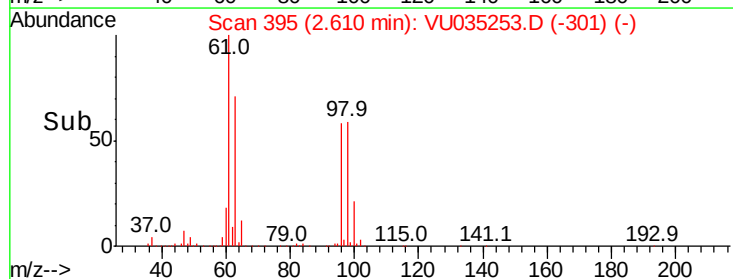
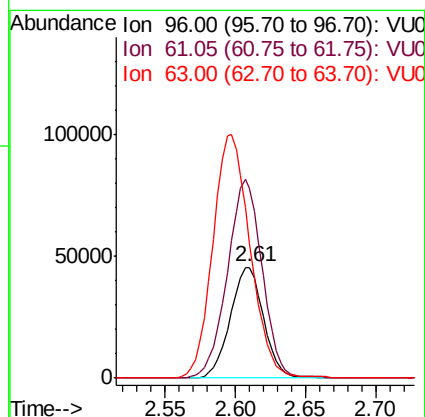
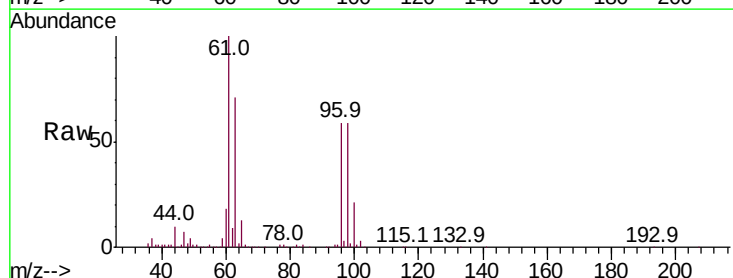
Tgt Ion: 96 Resp: 75276

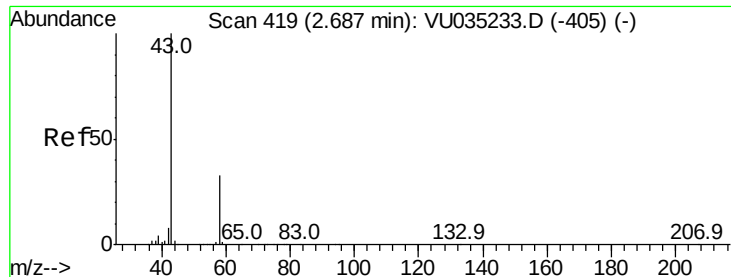
Ion Ratio Lower Upper

96 100

61 170.7 120.6 224.0

63 121.4 86.8 161.2





#13

Acetone

Concen: 2.547 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

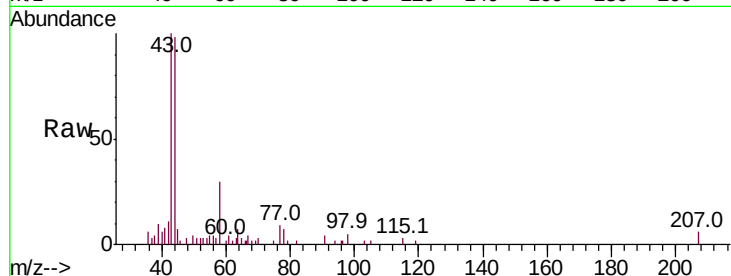
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 11113

Ion Ratio Lower Upper

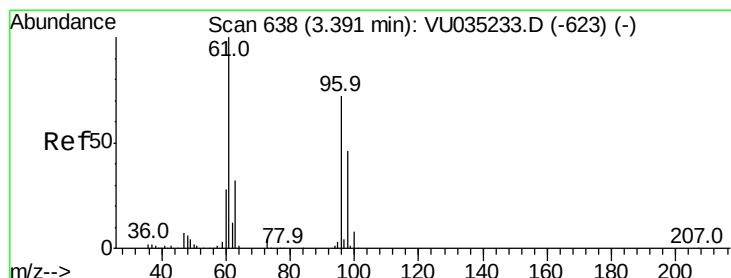
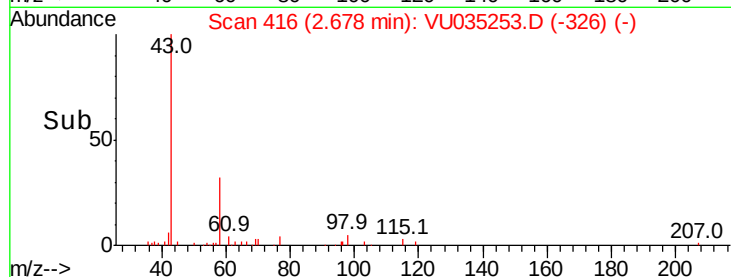
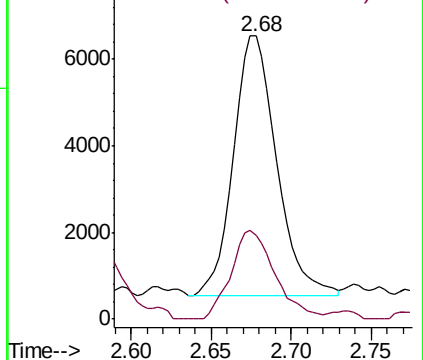
43 100

58 34.5 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) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.265 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

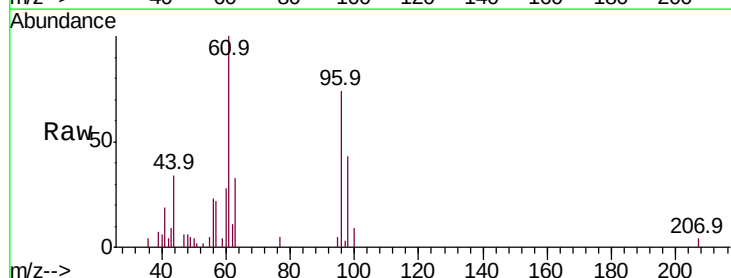
Tgt Ion: 96 Resp: 6588

Ion Ratio Lower Upper

96 100

61 134.9 93.0 172.6

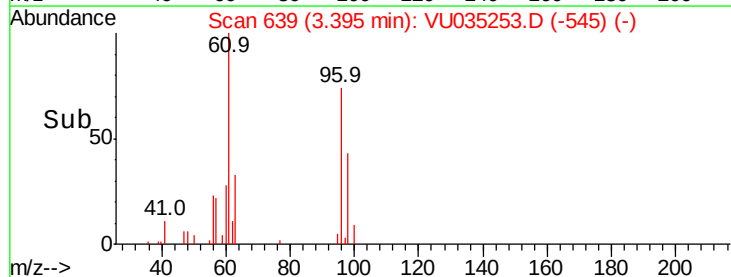
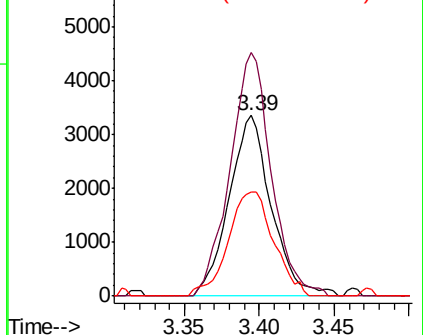
98 57.7 43.7 81.1

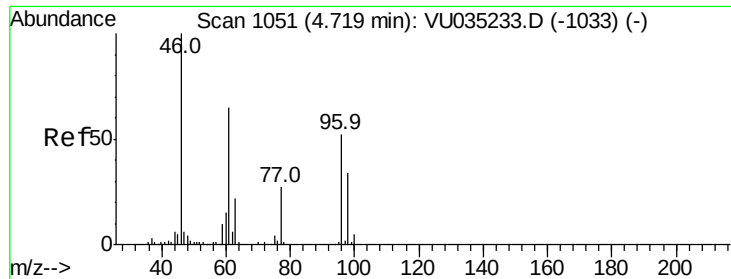


Abundance Ion 96.00 (95.70 to 96.70): VU035233.D (-623) (-)

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

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

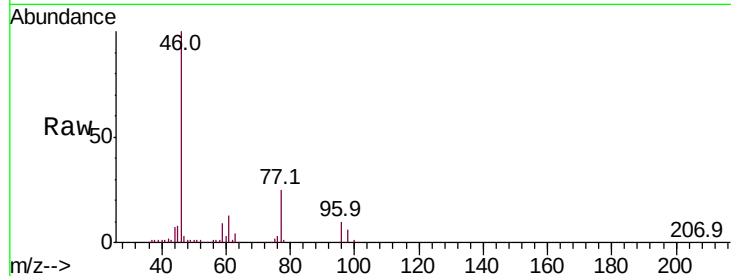




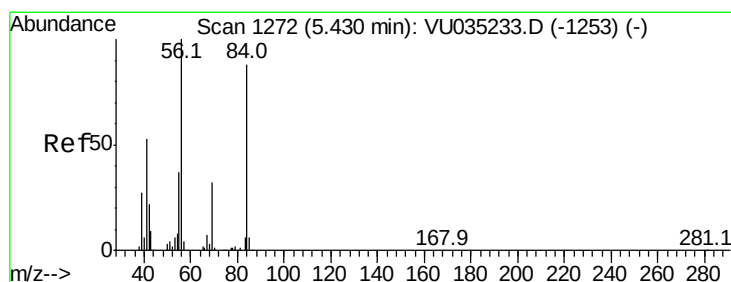
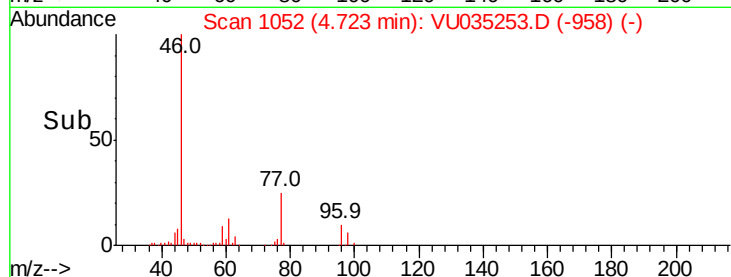
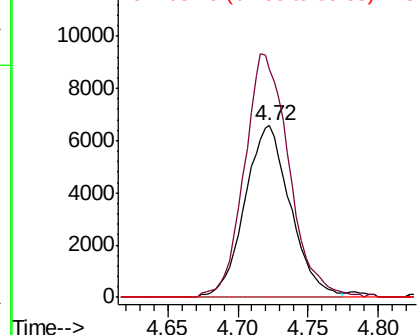
#22
 cis-1,2-Dichloroethene
 Concen: 0.543 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035253.D
 Acq: 18 Oct 2019 08:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 14890
 Ion Ratio Lower Upper
 96 100
 61 133.3 89.7 166.5
 68 0.0 0.0 0.0

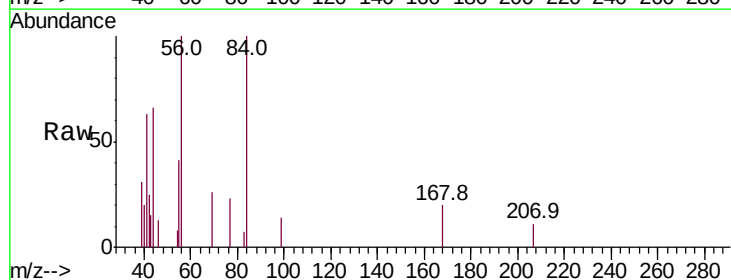


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

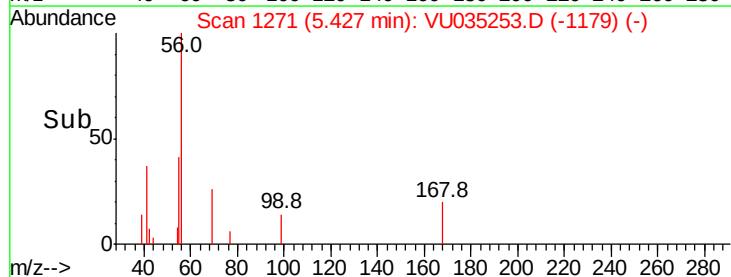
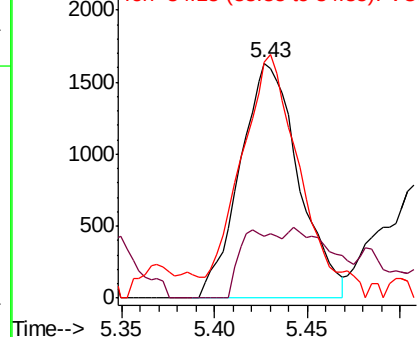


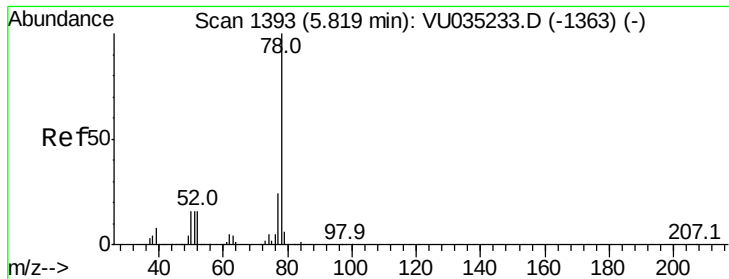
#30
 Cyclohexane
 Concen: 0.083 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU035253.D
 Acq: 18 Oct 2019 08:47

Tgt Ion: 56 Resp: 3599
 Ion Ratio Lower Upper
 56 100
 69 19.6 24.6 36.8#
 84 105.3 71.5 107.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 3.755 ug/L

RT: 5.82 min Scan# 1393

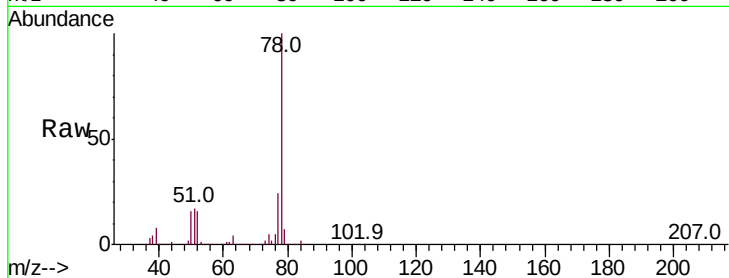
Delta R.T. 0.00 min

Lab File: VU035253.D

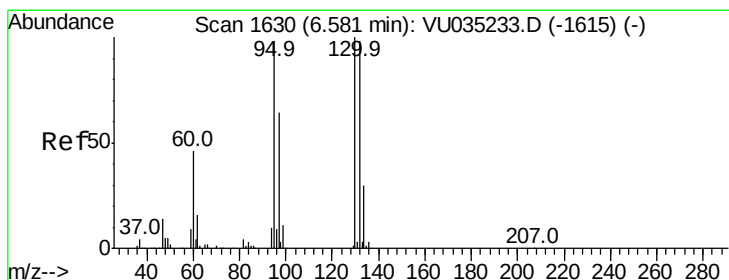
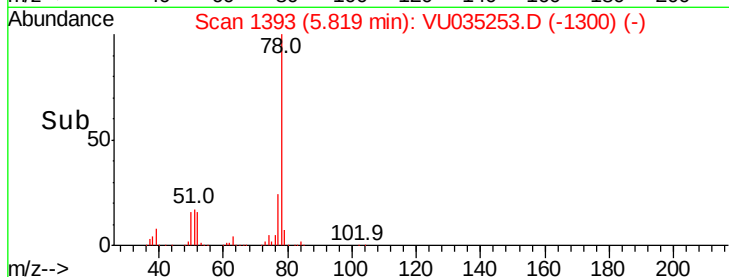
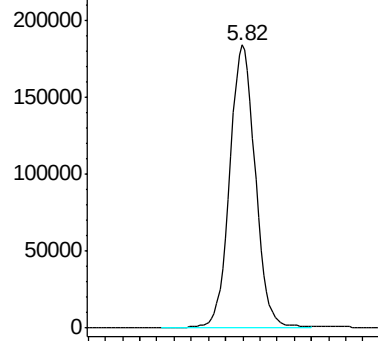
Acq: 18 Oct 2019 08:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 384072



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 3.592 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Tgt Ion: 95 Resp: 98784

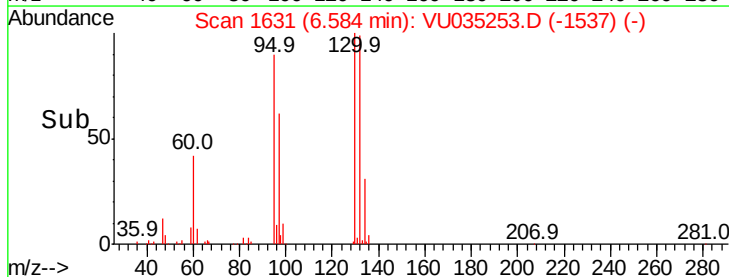
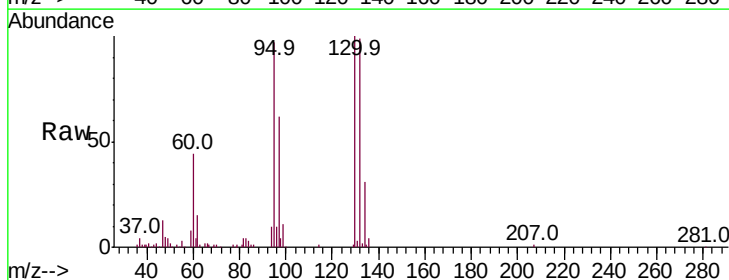
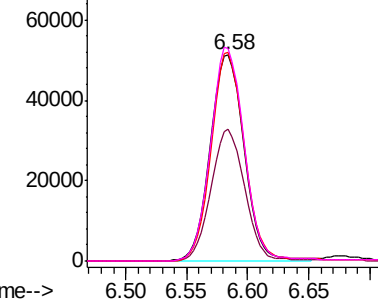
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.6	86.6
132	101.4	68.7	127.7
130	102.9	73.9	137.3

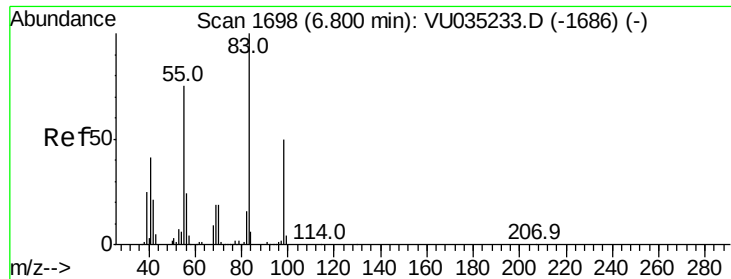
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.668 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Instrument :

MSVOA_U

ClientSampleId :

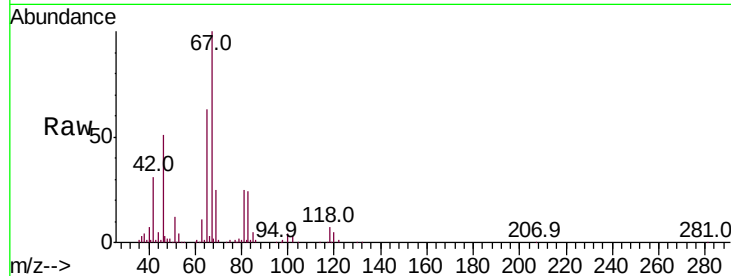
Tot Ion: 83 Resp: 30700

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

98 1.0 39.5 59.3#

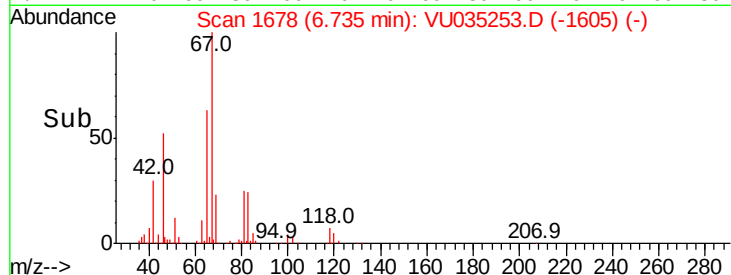


Abundance Ion 83.15 (82.85 to 83.85): VU035233.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035233.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035233.D (-1686) (-)

Time-->



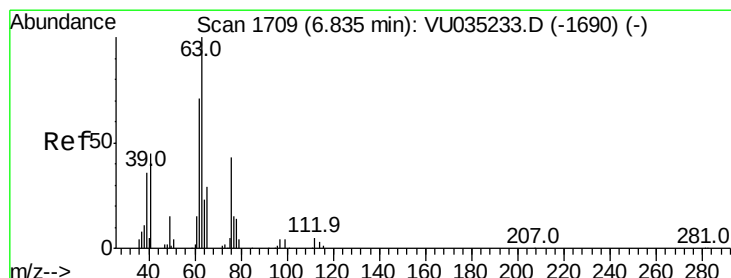
Abundance

Ion 83.15 (82.85 to 83.85): VU035233.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035233.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035233.D (-1686) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 0.551 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035253.D

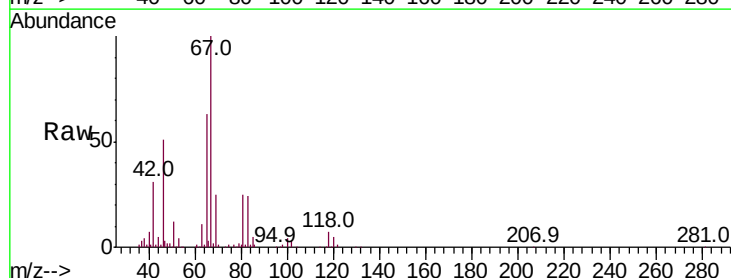
Acq: 18 Oct 2019 08:47

Tgt Ion: 63 Resp: 14319

Ion Ratio Lower Upper

63 100

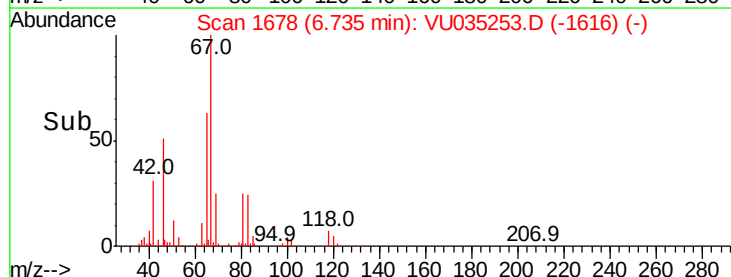
112 0.0 3.7 5.5#



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

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

Time-->

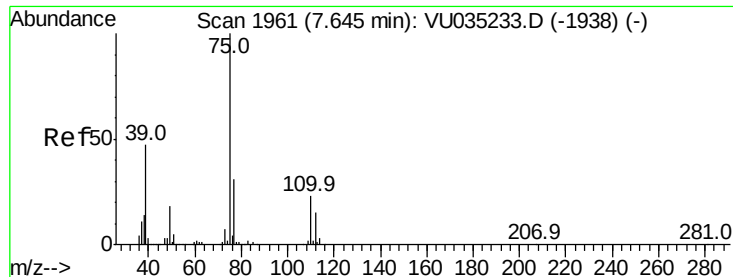


Abundance

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

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

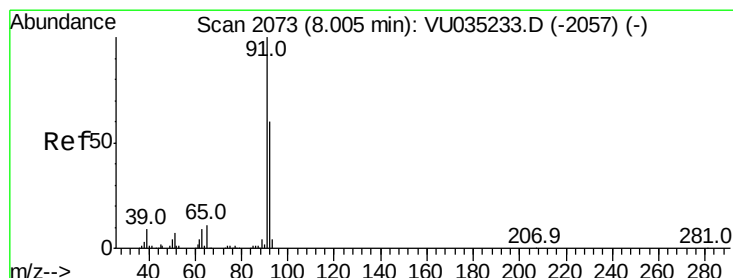
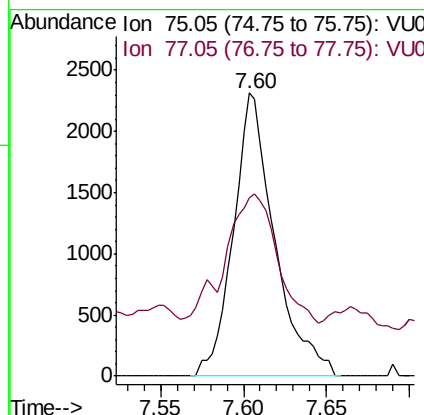
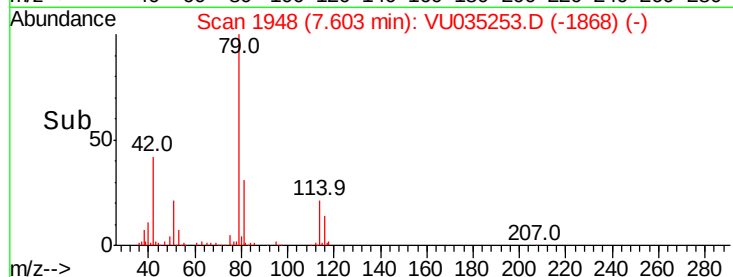
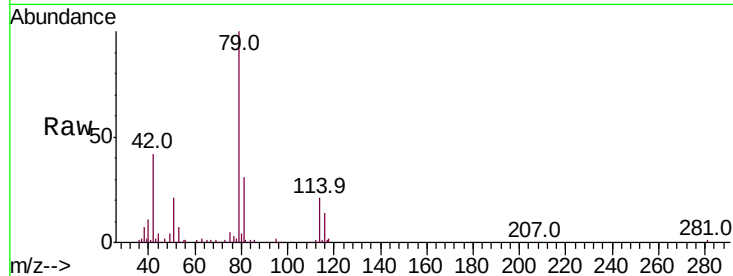
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035253.D
 Acq: 18 Oct 2019 08:47

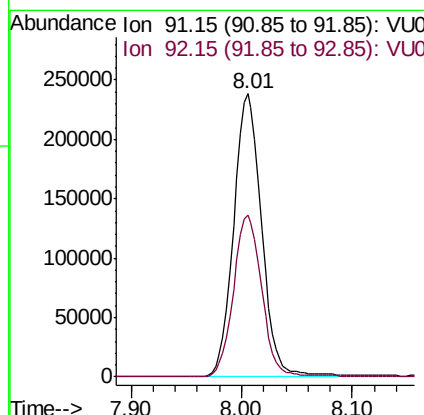
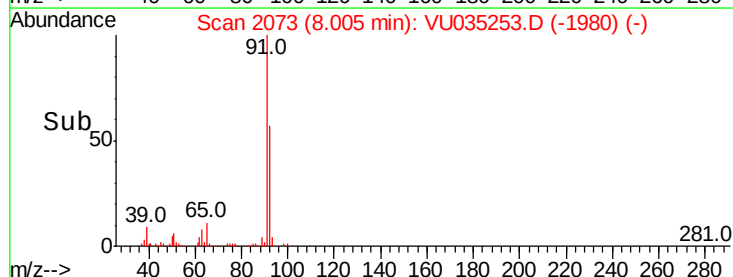
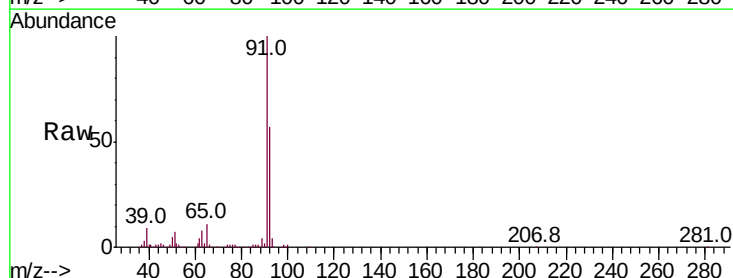
Instrument :
 MSVOA_U
 ClientSampled :

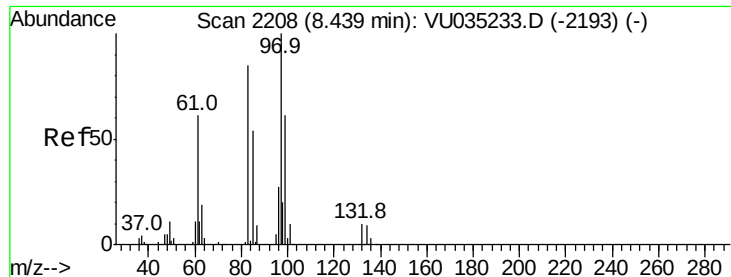
Tot Ion: 75 Resp: 3994
 Ion Ratio Lower Upper
 75 100
 77 63.1 22.7 42.1#



#42
 Toluene
 Concen: 3.714 ug/L
 RT: 8.01 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VU035253.D
 Acq: 18 Oct 2019 08:47

Tgt Ion: 91 Resp: 419444
 Ion Ratio Lower Upper
 91 100
 92 57.2 39.9 74.1





#45

1,1,2-Trichloroethane

Concen: 0.180 ug/L

RT: 8.40 min Scan# 2196

Delta R.T. -0.04 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 3470

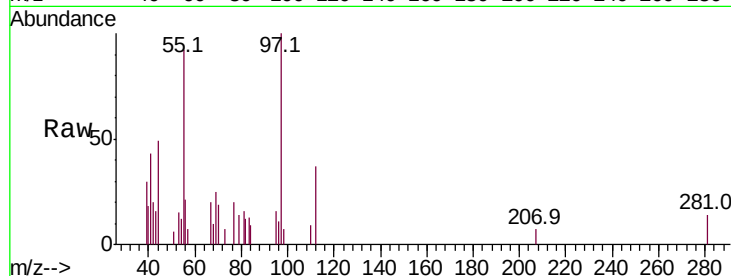
Ion Ratio Lower Upper

97 100

99 0.0 42.9 79.7#

83 12.7 60.4 112.2#

85 0.0 38.4 71.2#

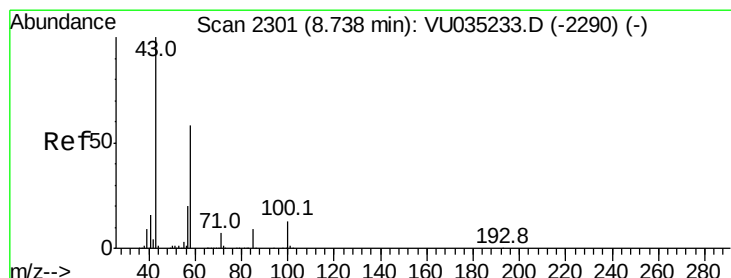
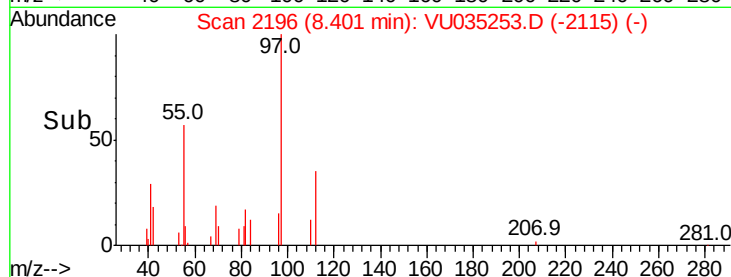
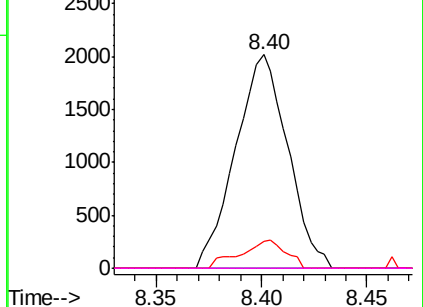


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#48

2-Hexanone

Concen: 1.083 ug/L

RT: 8.74 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Tgt Ion: 43 Resp: 13313

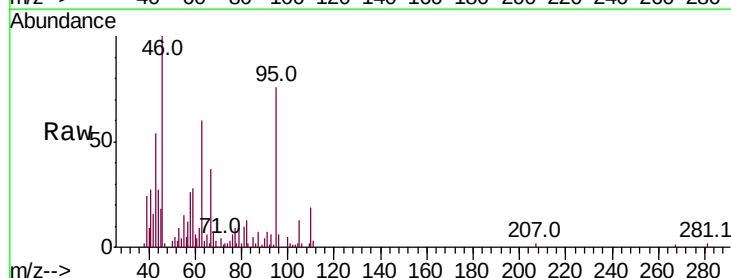
Ion Ratio Lower Upper

43 100

58 47.7 45.1 67.7

57 20.7 16.0 24.0

100 8.4 10.4 15.6#

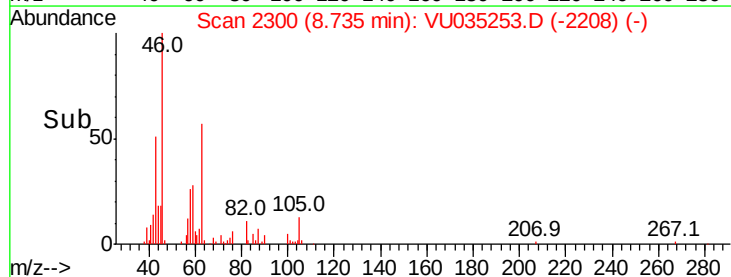
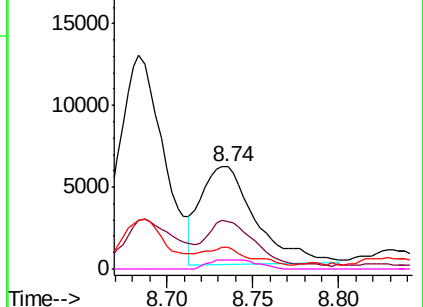


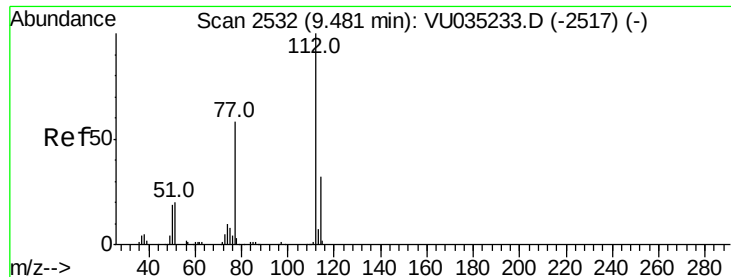
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

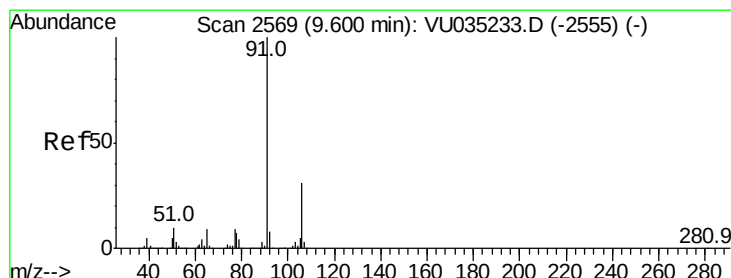
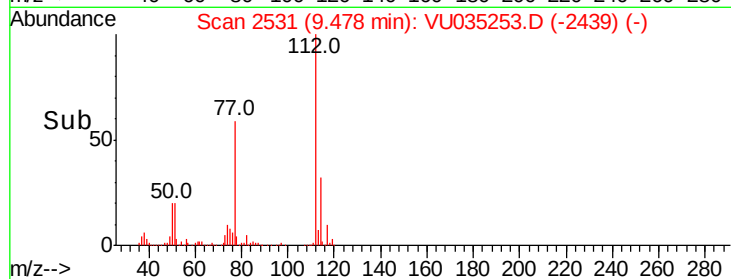
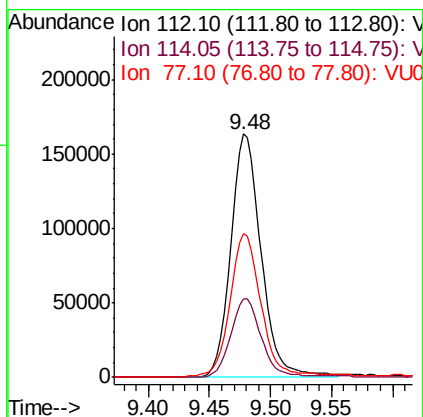
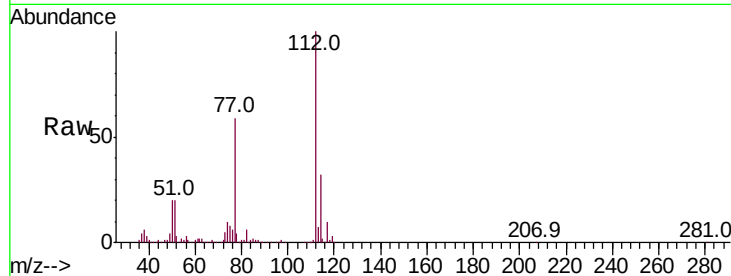




#51
Chlorobenzene
Concen: 3.898 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035253.D
Acq: 18 Oct 2019 08:47

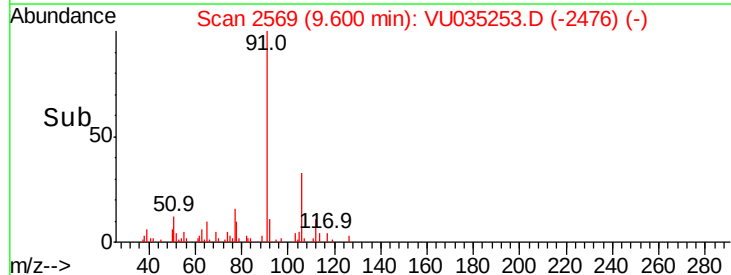
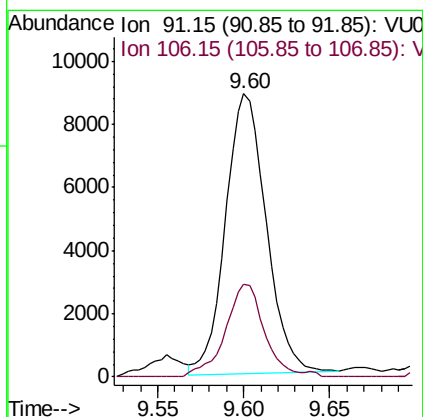
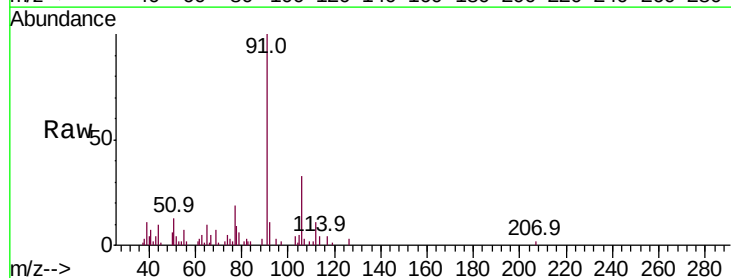
Instrument :
MSVOA_U
ClientSampleId :

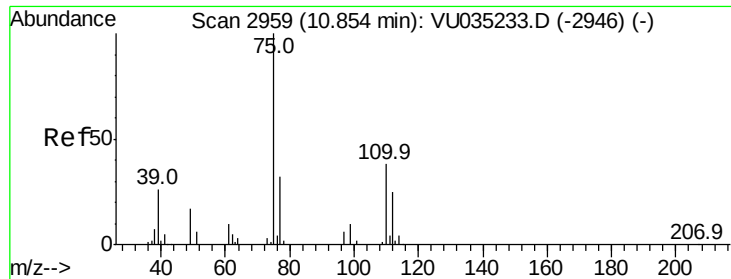
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	23.0	42.8
77	59.3	47.5	71.3



#52
Ethylbenzene
Concen: 0.113 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU035253.D
Acq: 18 Oct 2019 08:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	21.3	39.6





#59

1,2,3-Trichloropropane

Concen: 1.003 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

Instrument :

MSVOA_U

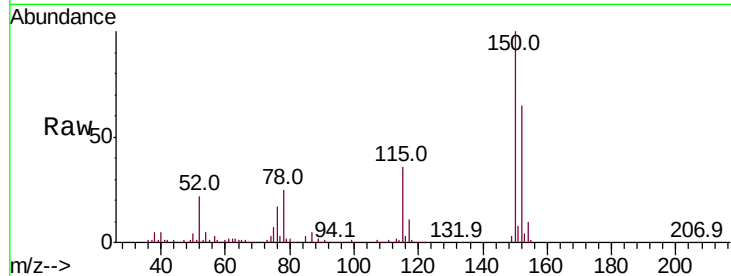
ClientSampled :

Tot Ion: 75 Resp: 18155

Ion Ratio Lower Upper

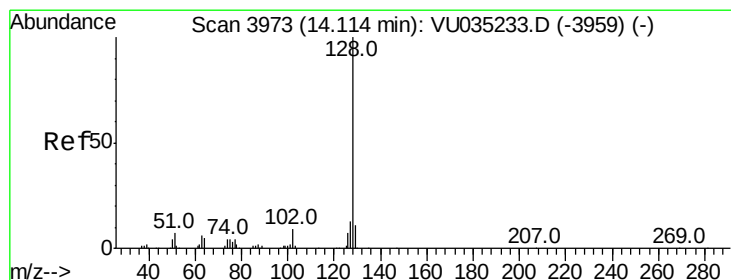
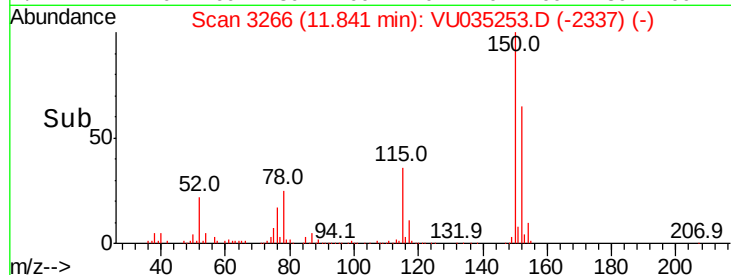
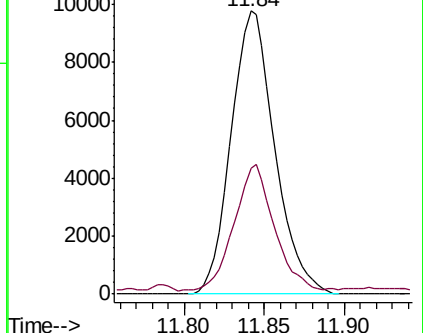
75 100

77 40.4 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU035253.D (-3266) (-)

Ion 77.00 (76.70 to 77.70): VU035253.D (-3266) (-)



#69

Naphthalene

Concen: 0.136 ug/L

RT: 14.14 min Scan# 3980

Delta R.T. 0.02 min

Lab File: VU035253.D

Acq: 18 Oct 2019 08:47

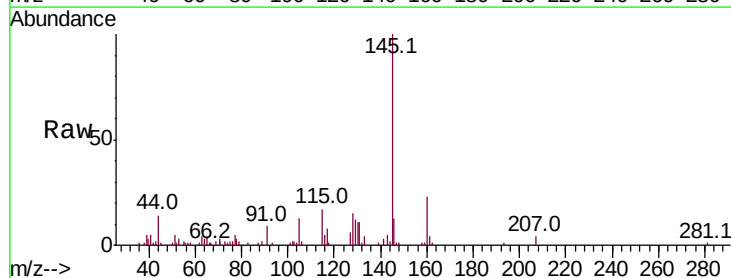
Tgt Ion: 128 Resp: 4009

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 9.9 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): VU035253.D (-3973) (-)

Ion 129.00 (128.70 to 129.70): VU035253.D (-3973) (-)

Ion 127.00 (126.70 to 127.70): VU035253.D (-3973) (-)

