

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101719\
 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 07:22:19 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

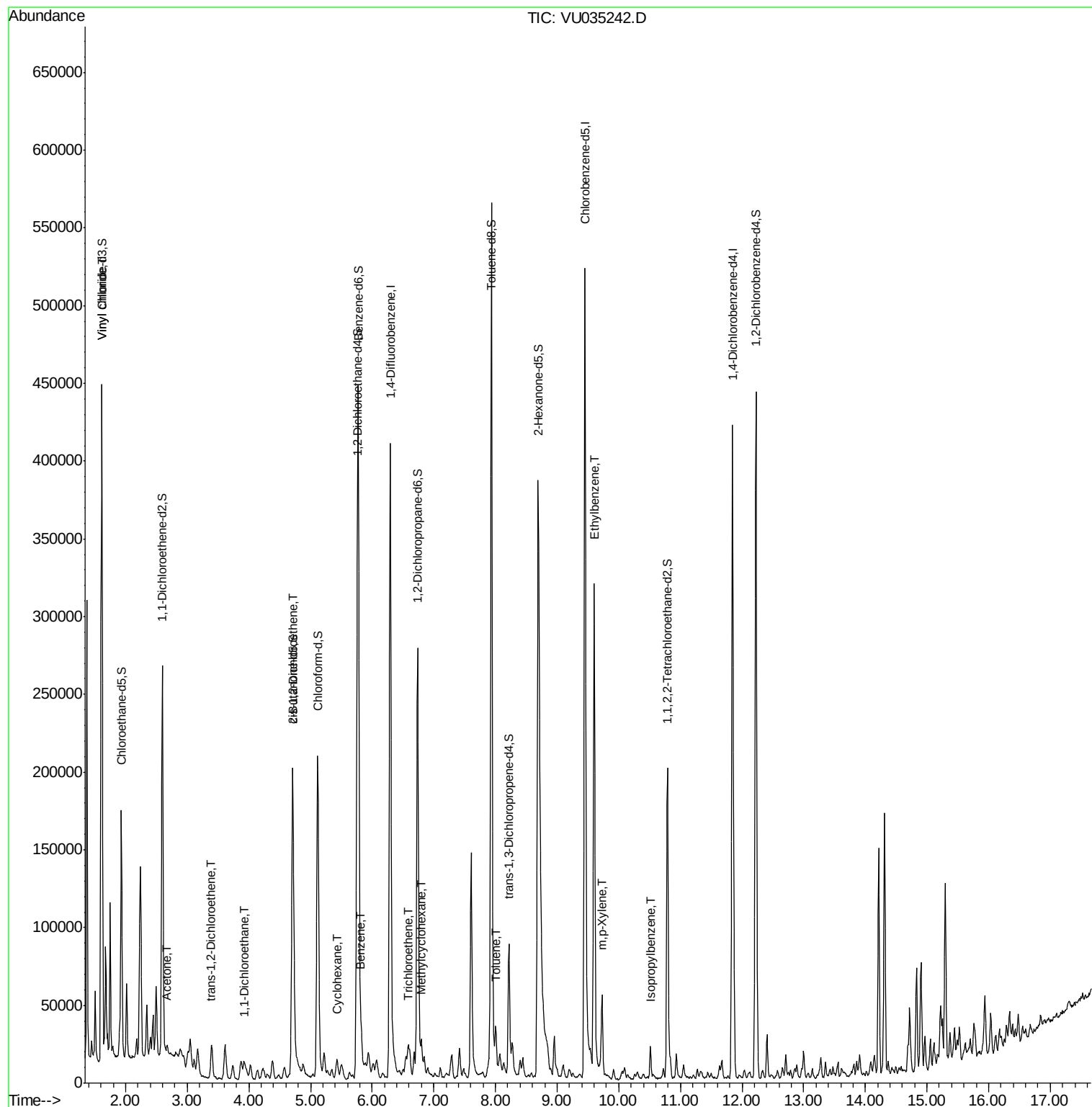
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	44901	1.469	ug/L	90
13) Acetone	2.67	43	5338	1.242	ug/L	91
18) trans-1,2-Dichloroethene	3.40	96	3905	0.160	ug/L	76
19) 1,1-Dichloroethane	3.92	63	11469	0.260	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	17015	0.630	ug/L	99
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
42) Toluene	8.01	91	17652	0.158	ug/L	98
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

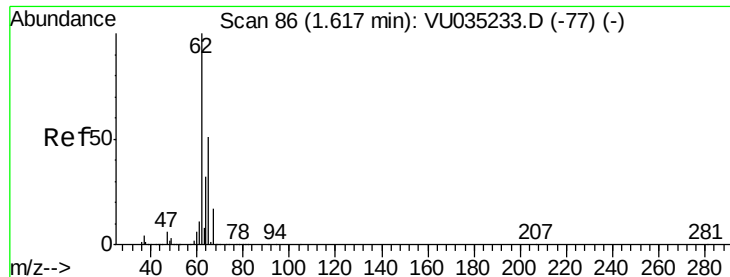
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

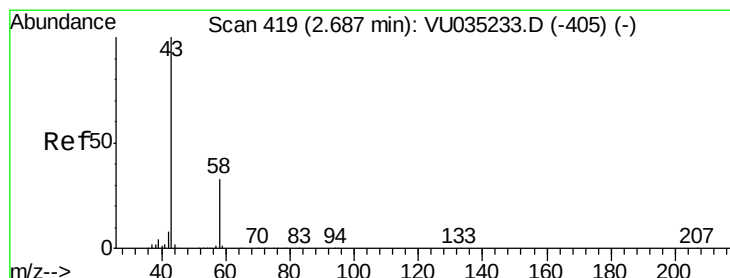
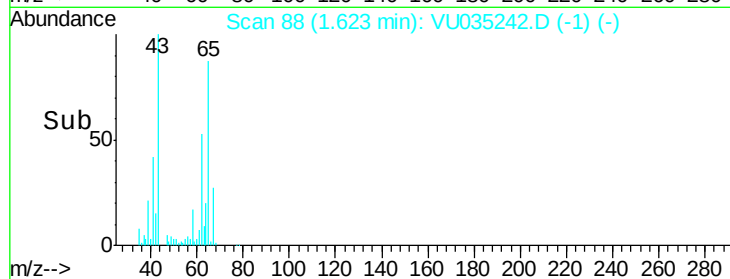
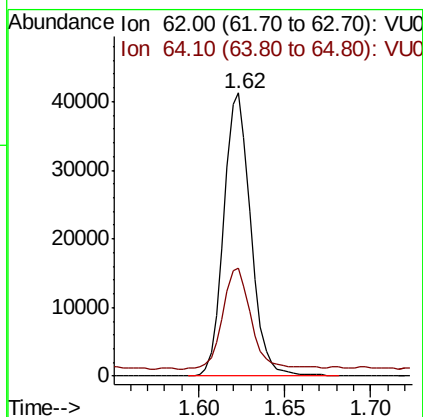
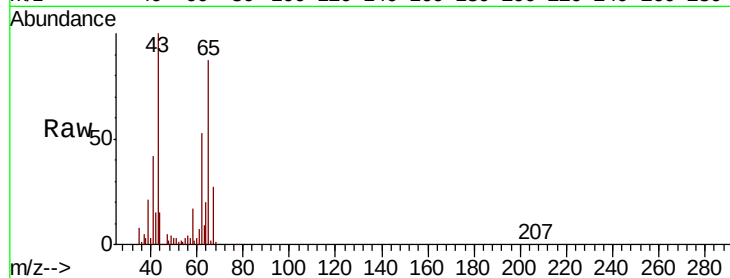
H0FY7

Tot Ion: 62 Resp: 44901

Ion Ratio Lower Upper

62 100

64 38.1 22.9 42.5



#13

Acetone

Concen: 1.242 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035242.D

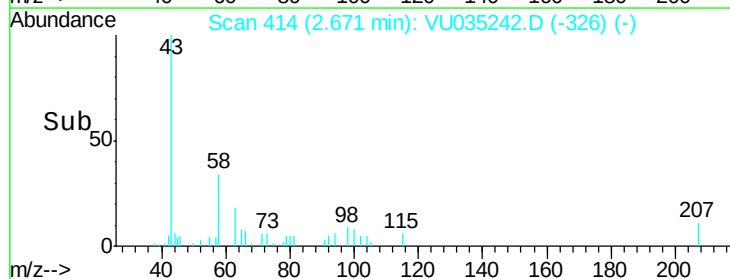
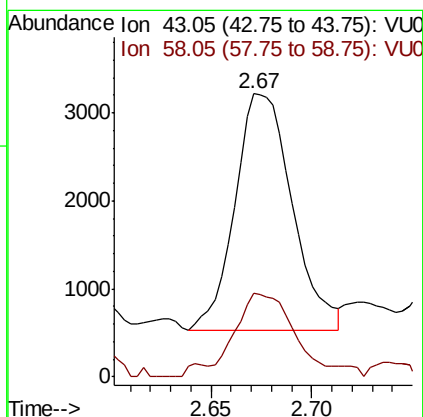
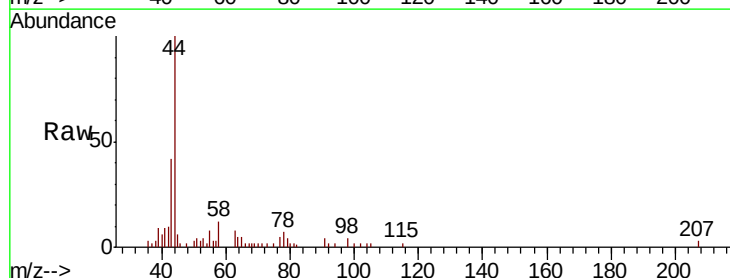
Acq: 18 Oct 2019 04:30

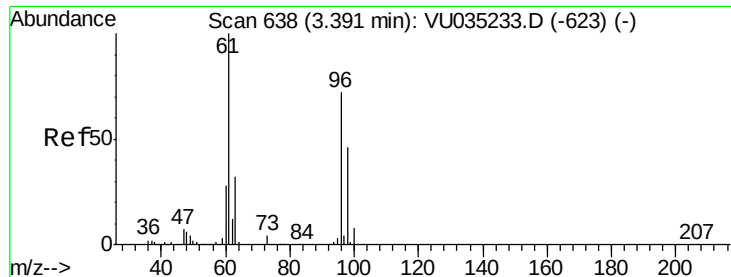
Tgt Ion: 43 Resp: 5338

Ion Ratio Lower Upper

43 100

58 36.1 0.0 61.8





#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

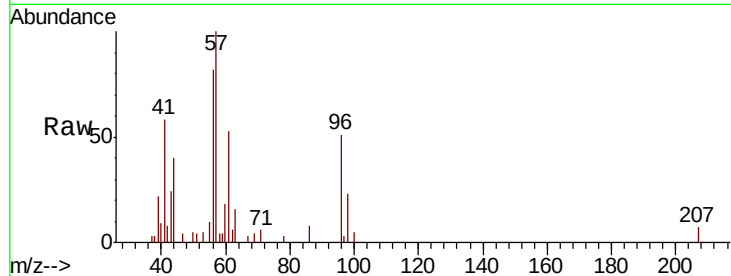
Tot Ion: 96 Resp: 3905

Ion Ratio Lower Upper

96 100

61 103.0 93.0 172.6

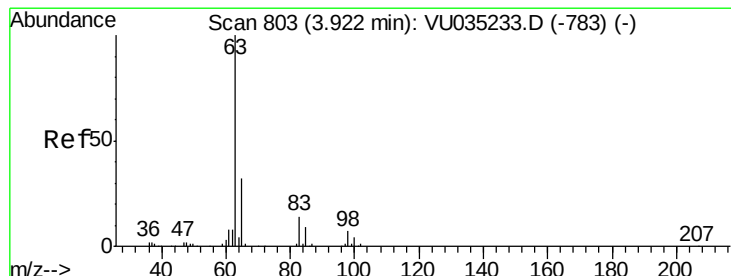
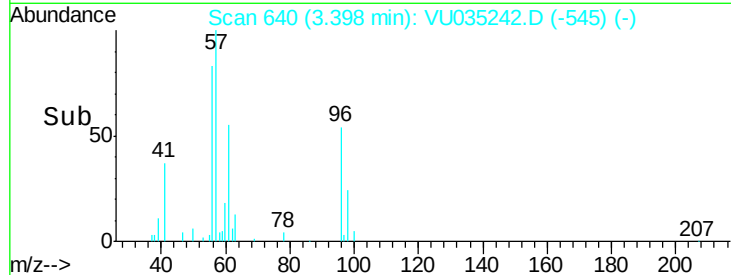
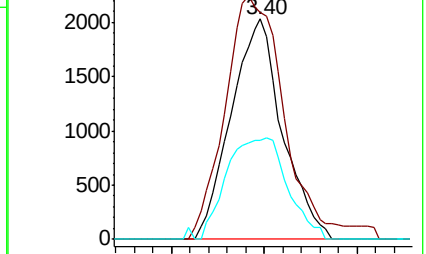
98 44.9 43.7 81.1



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

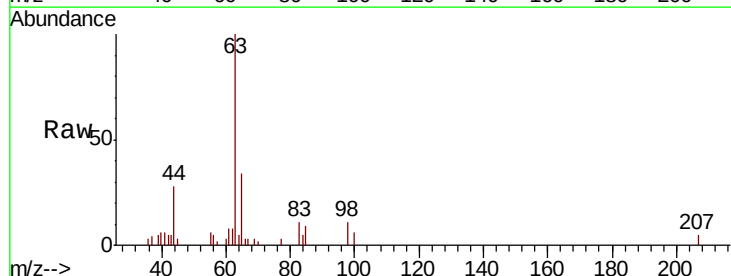
Tgt Ion: 63 Resp: 11469

Ion Ratio Lower Upper

63 100

65 34.2 22.4 41.6

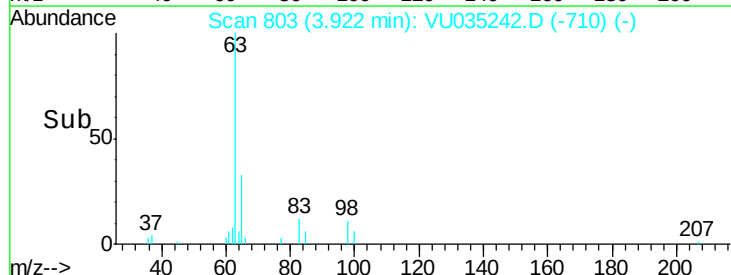
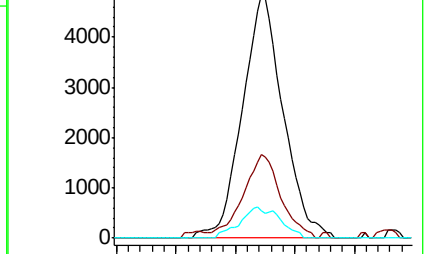
83 11.4 9.3 17.3

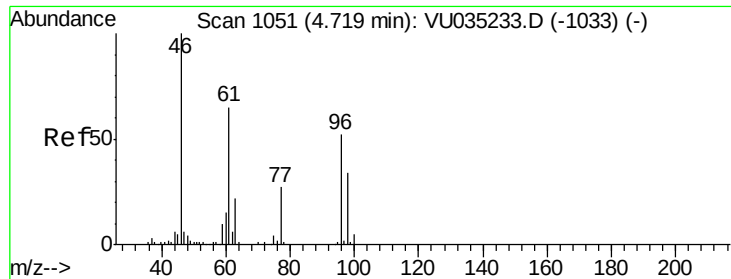


Abundance Ion 63.10 (62.80 to 63.80): VU035233.D (-783) (-)

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

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

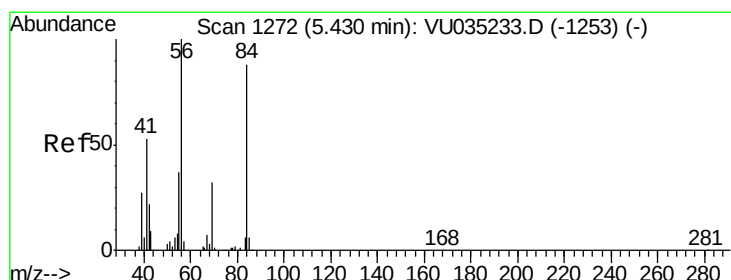
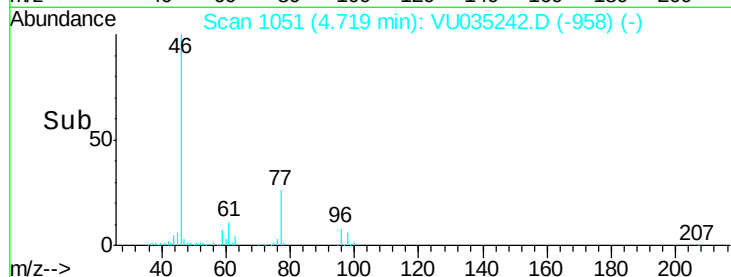
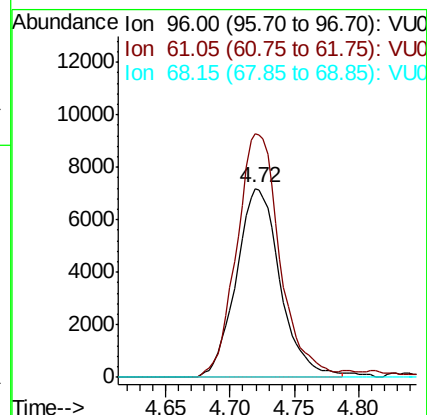
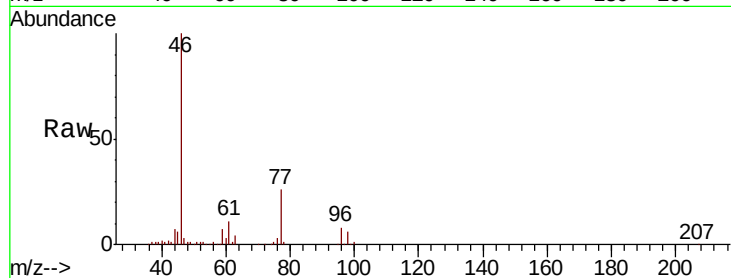




#22
 cis-1,2-Dichloroethene
 Concen: 0.630 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035242.D
 Acq: 18 Oct 2019 04:30

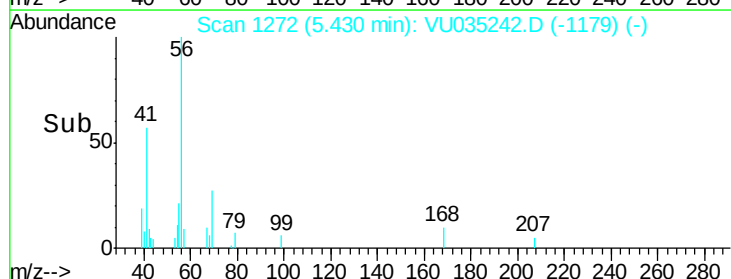
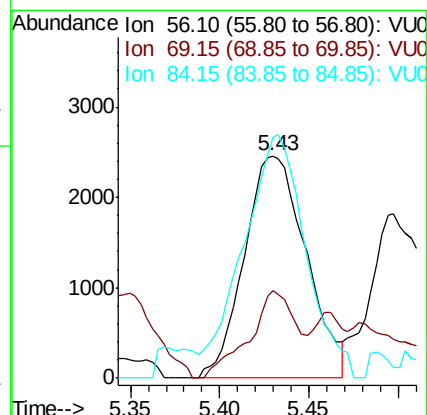
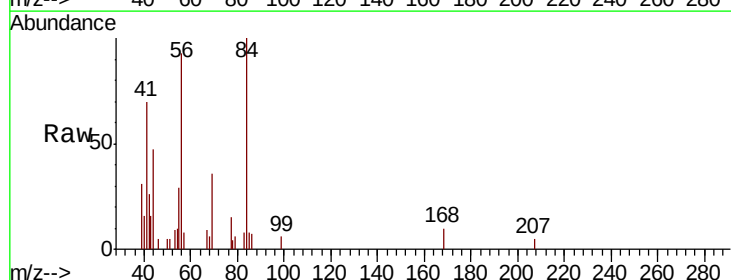
Instrument :
 MSVOA_U
 ClientSampled :
 H0FY7

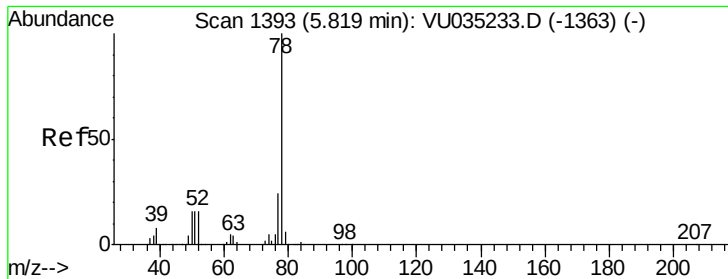
Tot Ion: 96 Resp: 17015
 Ion Ratio Lower Upper
 96 100
 61 129.1 89.7 166.5
 68 0.0 0.0 0.0



#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

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

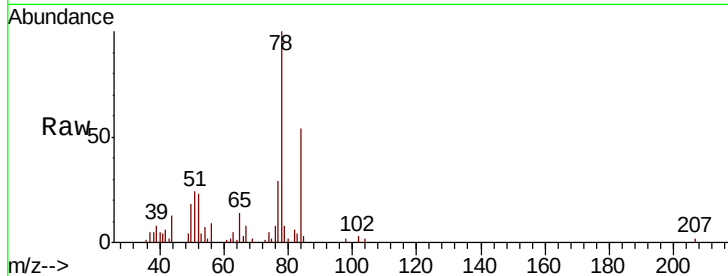
Instrument :

MSVOA_U

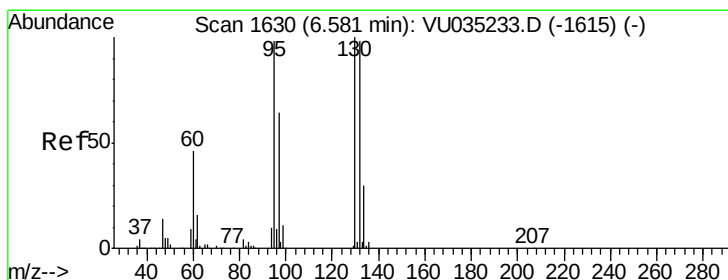
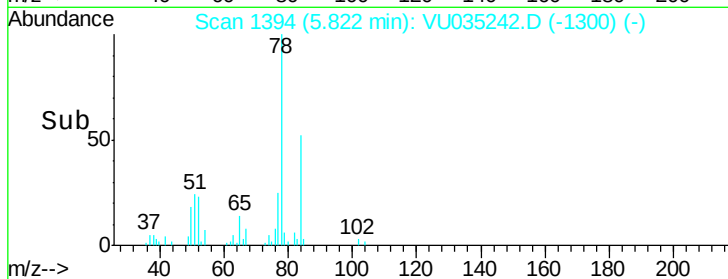
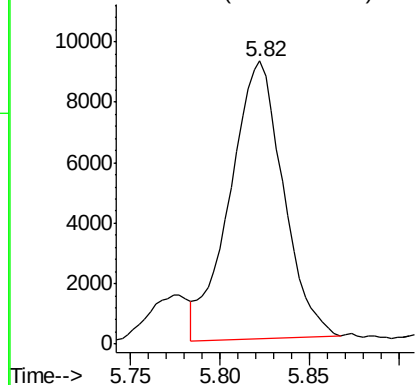
ClientSampleId :

H0FY7

Tgt Ion: 78 Resp: 19070



Abundance Ion 78.10 (77.80 to 78.80): VU0



#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

Tgt Ion: 95 Resp: 4384

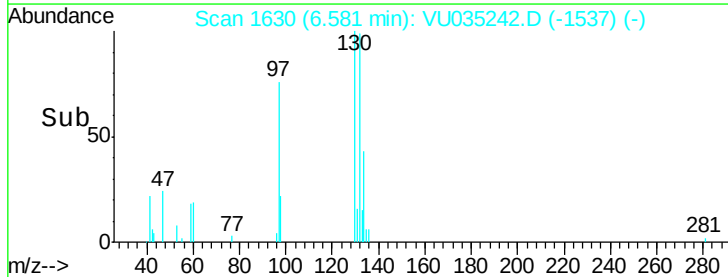
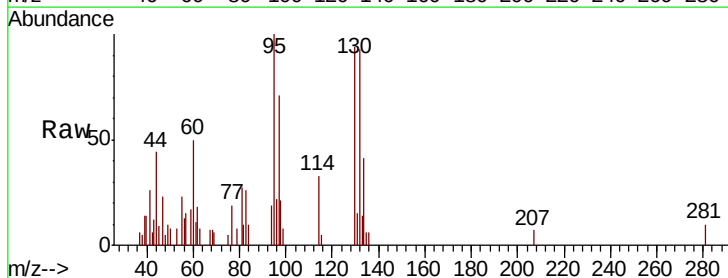
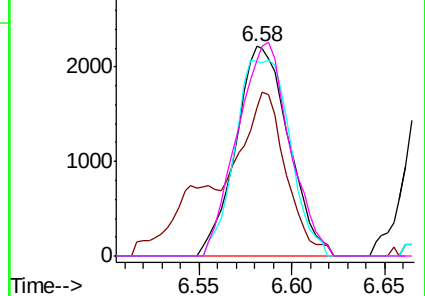
Ion	Ratio	Lower	Upper
95	100		
97	70.9	46.6	86.6
132	92.9	68.7	127.7
130	93.7	73.9	137.3

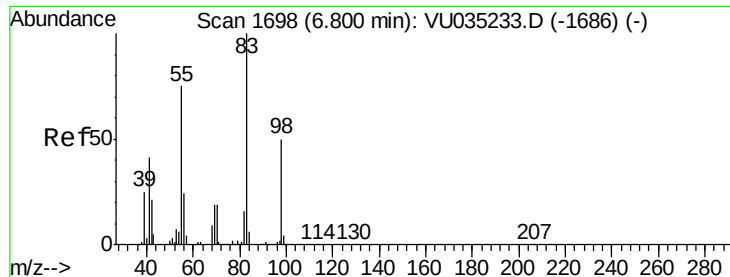
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

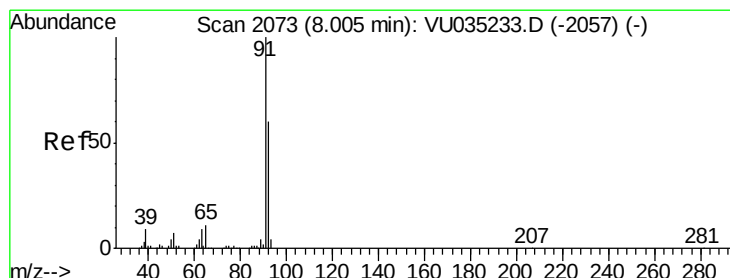
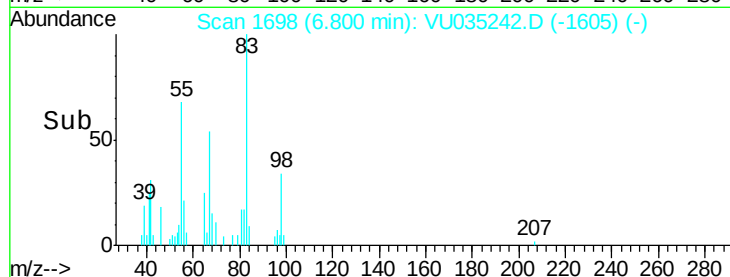
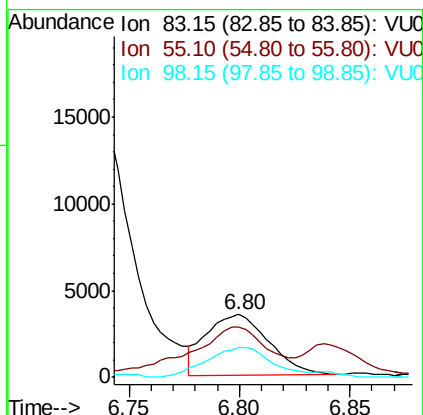
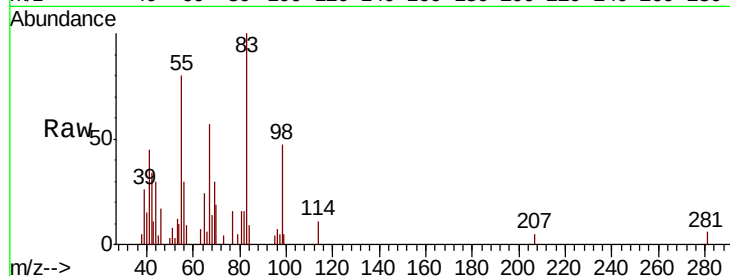




#35
Methylvlcyclohexane
Concen: 0.151 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035242.D
Acq: 18 Oct 2019 04:30

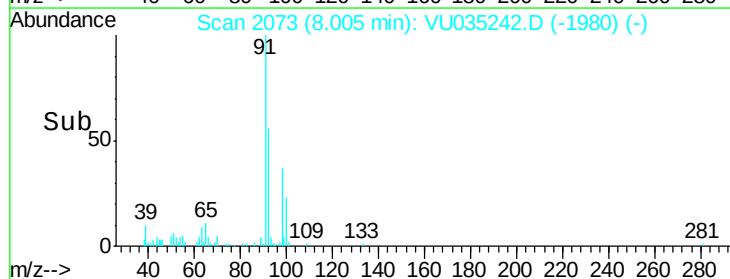
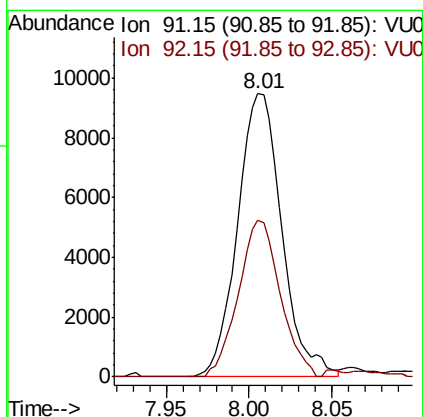
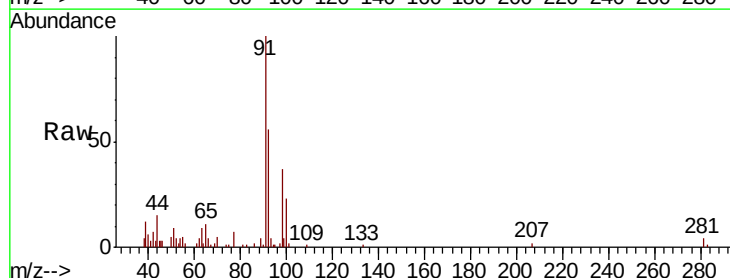
Instrument :
MSVOA_U
ClientSampleId :
H0FY7

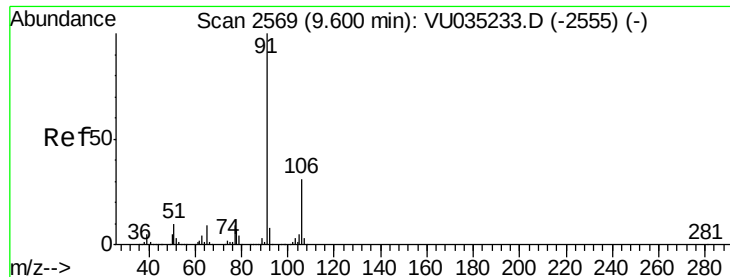
Tot Ion: 83 Resp: 6858
Ion Ratio Lower Upper
83 100
55 108.8 60.4 90.6#
98 51.6 39.5 59.3



#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

Tgt Ion: 91 Resp: 17652
Ion Ratio Lower Upper
91 100
92 55.6 39.9 74.1





#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

Instrument :

MSVOA_U

ClientSampleId :

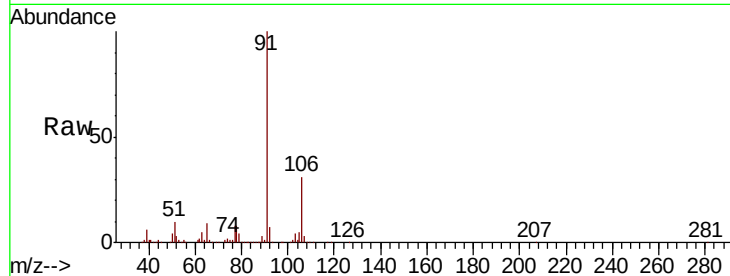
H0FY7

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

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

9.60

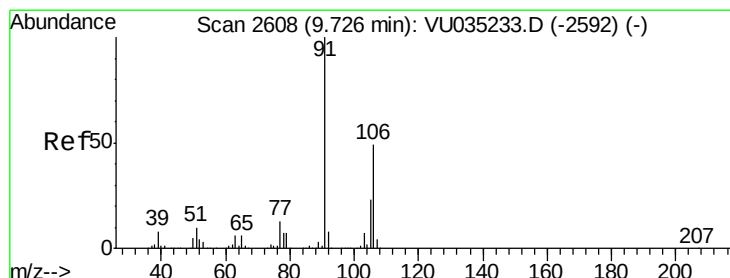
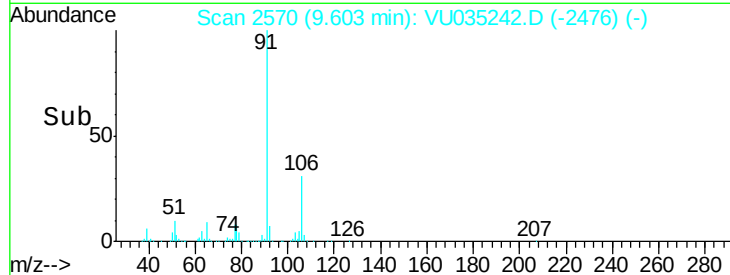
150000

100000

50000

0

Time--> 9.50 9.60 9.70



#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

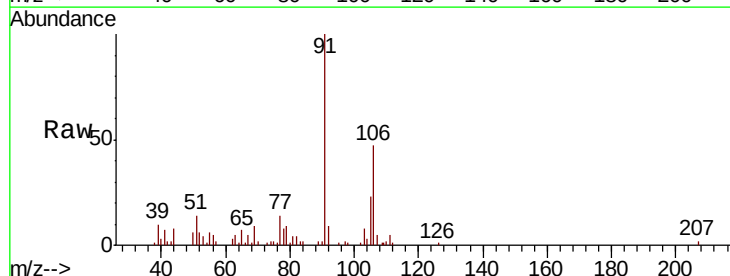
Acq: 18 Oct 2019 04:30

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

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

9.73

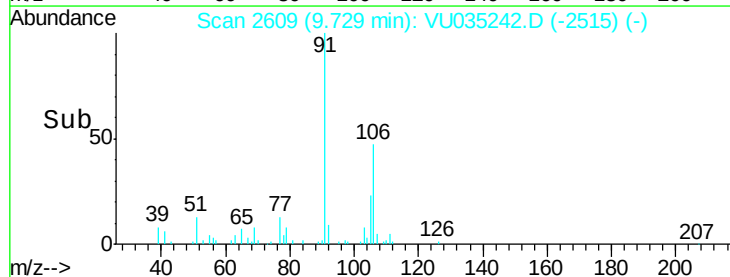
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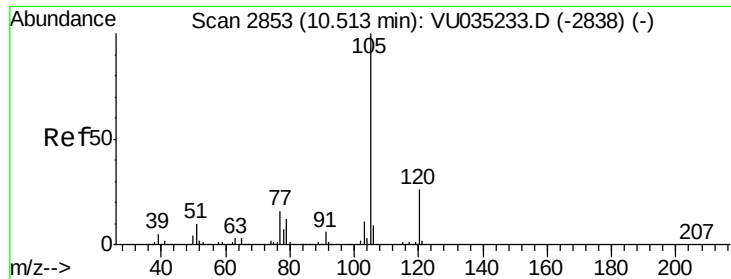
10000

5000

0

Time--> 9.65 9.70 9.75 9.80





#56

Isopropylbenzene

Concen: 0.119 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035242.D

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Instrument :

MSVOA_U

ClientSampleId :

H0FY7

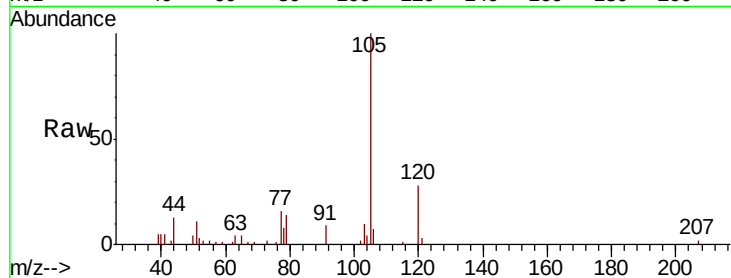
Tot Ion:105 Resp: 14972

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): VU

