

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071919\
 Data File : VU033340.D
 Acq On : 19 Jul 2019 16:25
 Operator : JC/SP
 Sample : K3920-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A42M6

Quant Time: Jul 19 23:54:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 19 22:54:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	315260	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	306956	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	146335	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	115325	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.64%
7) Chloroethane-d5	1.67	69	101647	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.72%
11) 1,1-Dichloroethene-d2	2.26	63	177986	41.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.24%
21) 2-Butanone-d5	4.15	46	171993	113.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.74%
24) Chloroform-d	4.62	84	194794	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.42%
26) 1,2-Dichloroethane-d4	5.29	65	127313	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.26%
32) Benzene-d6	5.32	84	397578	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.31	67	128360	53.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.42%
41) Toluene-d8	7.55	98	361019	50.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.68%
43) trans-1,3-Dichloropropene-	7.83	79	59636	50.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.84%
47) 2-Hexanone-d5	8.29	63	114376	105.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.18%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	183540	50.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	139650	53.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.02%

Target Compounds

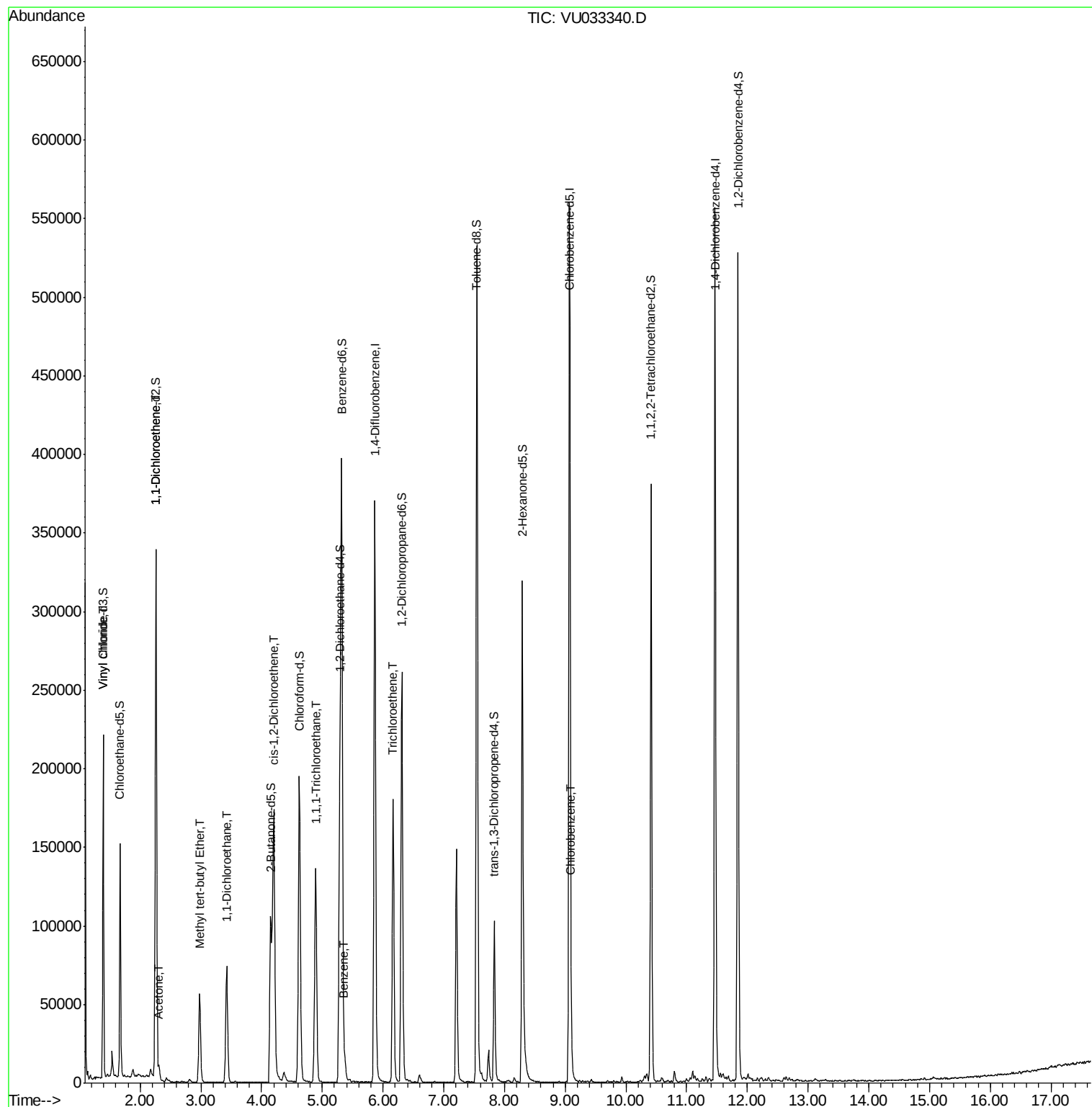
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	31011	8.717	ug/L	95
12) 1,1-Dichloroethene	2.27	96	34926	16.598	ug/L #	55
13) Acetone	2.31	43	7798	4.127	ug/L	93
18) Methyl tert-butyl Ether	2.98	73	61434	9.152	ug/L	99
19) 1,1-Dichloroethane	3.42	63	79831	19.096	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	91599	37.340	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	108027	30.166	ug/L	99
33) Benzene	5.37	78	11676	1.304	ug/L	100
34) Trichloroethene	6.16	95	62431	26.667	ug/L	98
51) Chlorobenzene	9.10	112	10486	1.665	ug/L	94

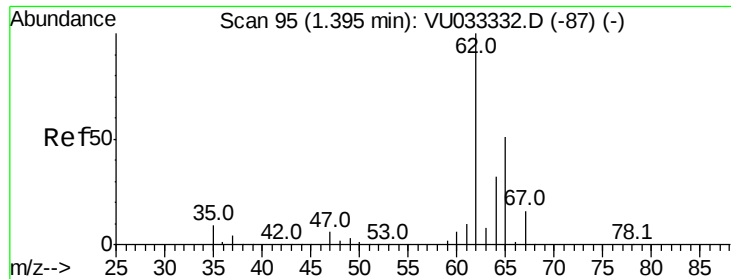
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.717 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

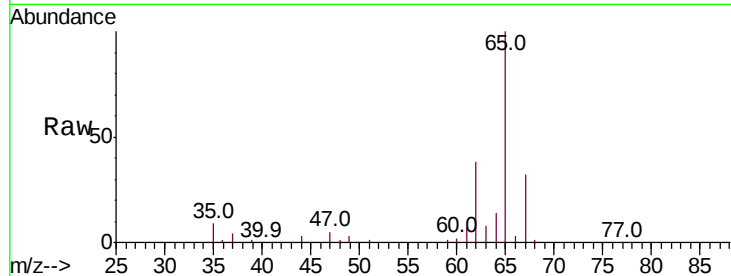
A42M6

Tot Ion: 62 Resp: 31011

Ion Ratio Lower Upper

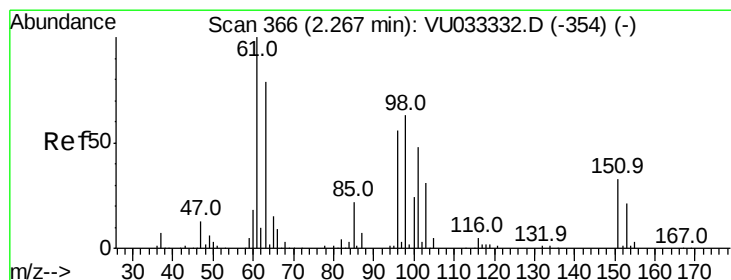
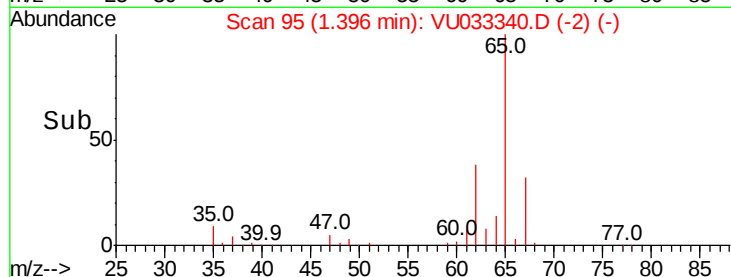
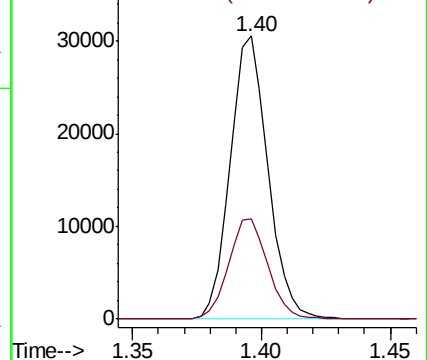
62 100

64 35.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 16.598 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

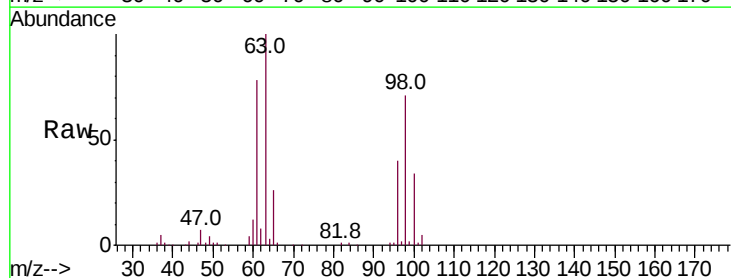
Tgt Ion: 96 Resp: 34926

Ion Ratio Lower Upper

96 100

61 194.2 126.1 234.1

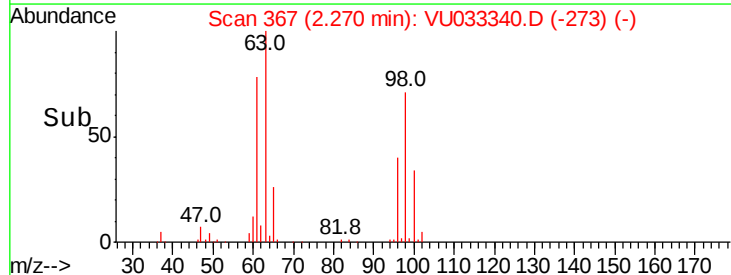
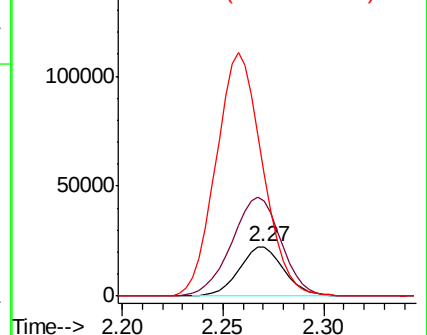
63 249.1 96.8 179.8#

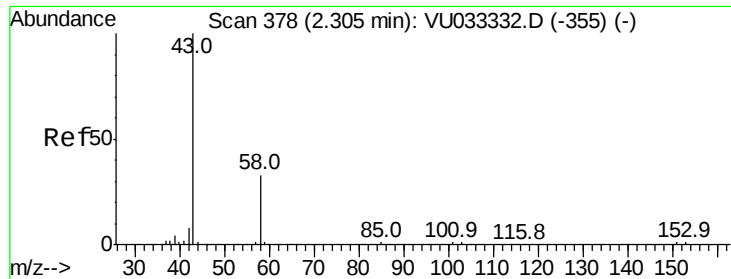


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.127 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

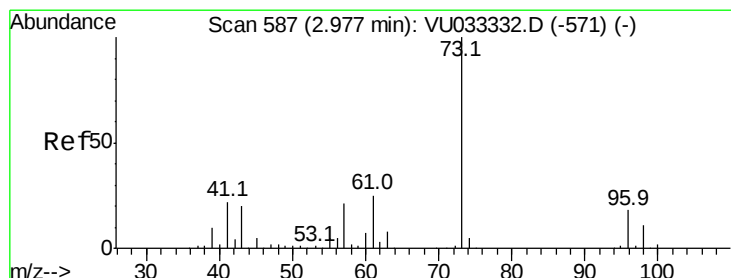
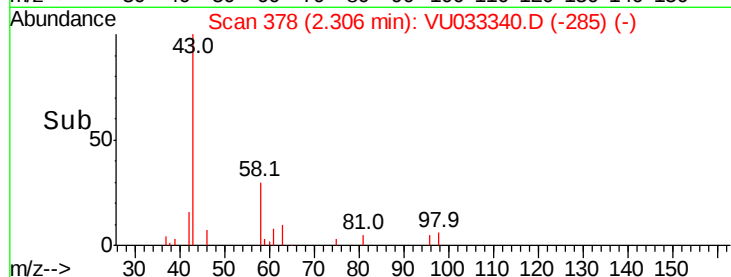
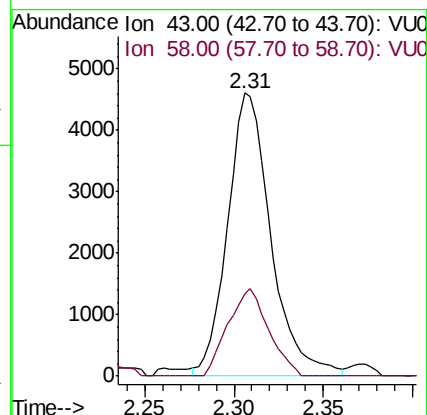
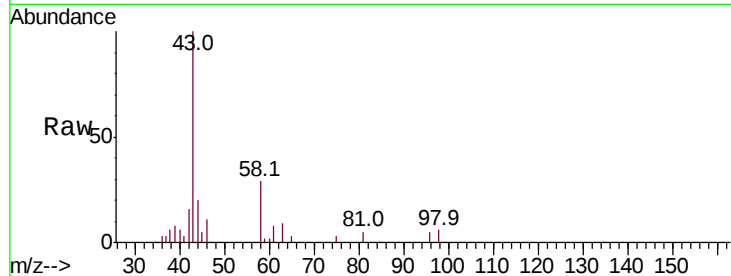
A42M6

Tot Ion: 43 Resp: 7798

Ion Ratio Lower Upper

43 100

58 28.8 0.0 65.4



#18

Methyl tert-butyl Ether

Concen: 9.152 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

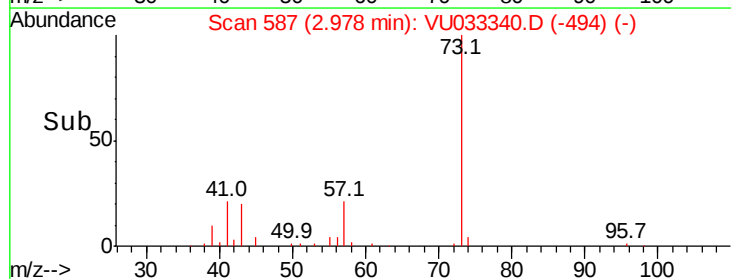
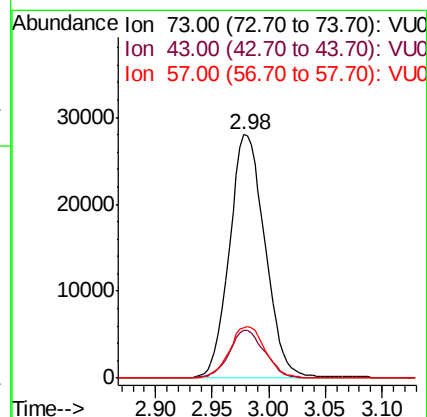
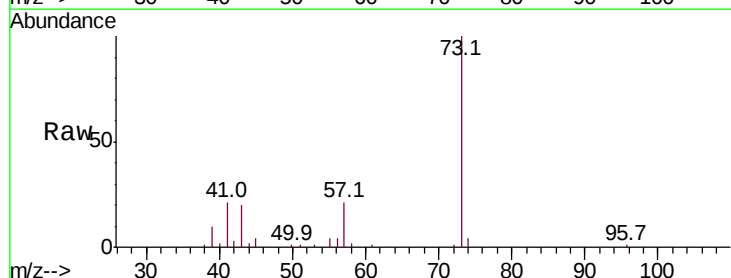
Tgt Ion: 73 Resp: 61434

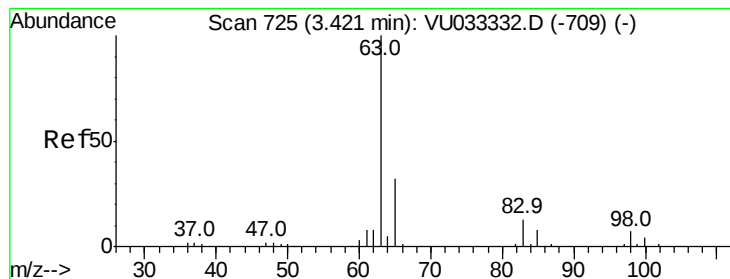
Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

57 21.3 17.8 26.6





#19

1,1-Dichloroethane

Concen: 19.096 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

A42M6

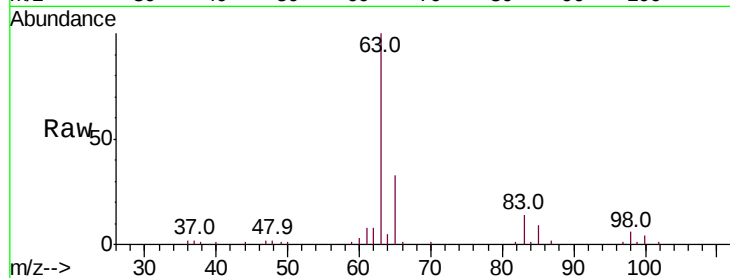
Tot Ion: 63 Resp: 79831

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.5

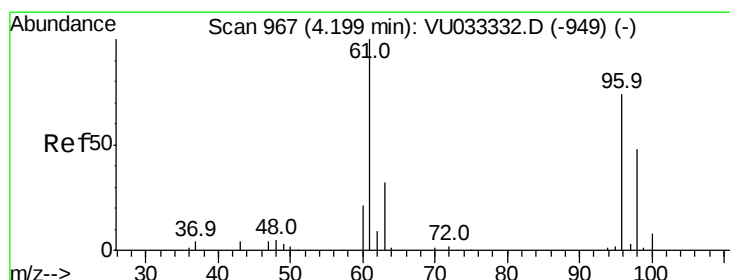
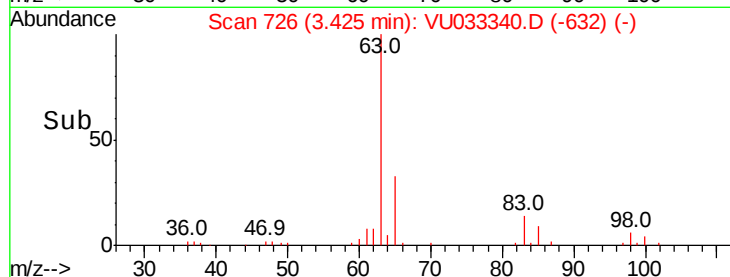
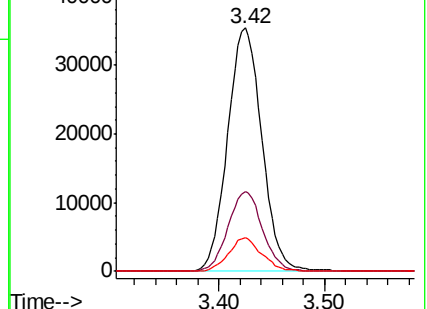
83 13.6 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033332.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VU033332.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VU033332.D (-709) (-)



#20

cis-1,2-Dichloroethene

Concen: 37.340 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

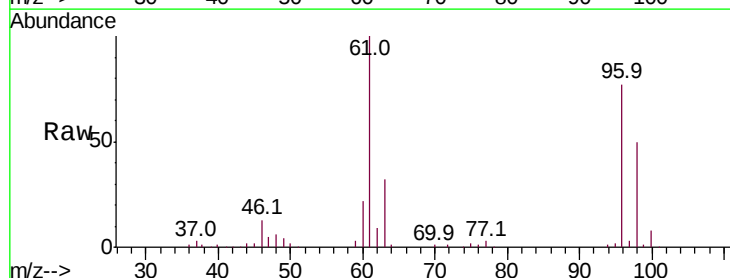
Tgt Ion: 96 Resp: 91599

Ion Ratio Lower Upper

96 100

61 129.3 91.1 169.1

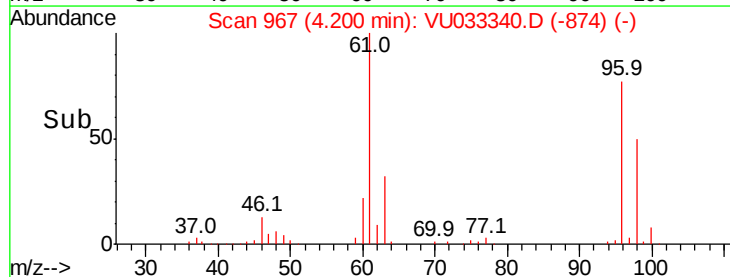
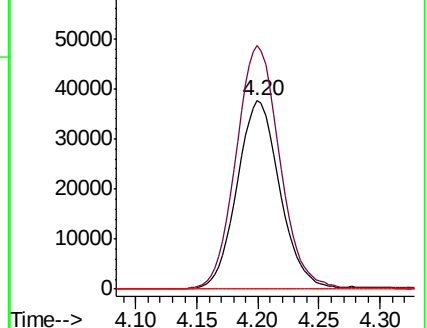
68 0.0 0.0 0.0

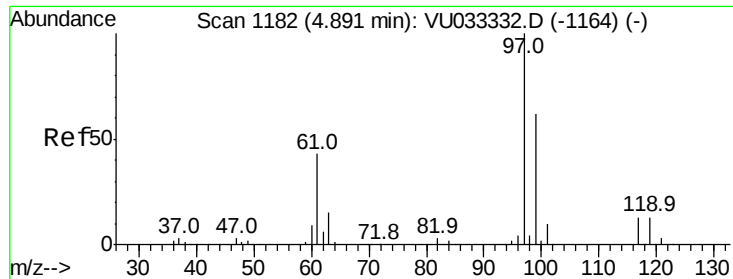


Abundance Ion 96.00 (95.70 to 96.70): VU033332.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033332.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033332.D (-949) (-)

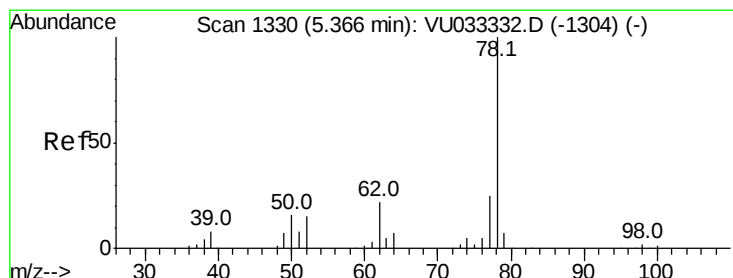
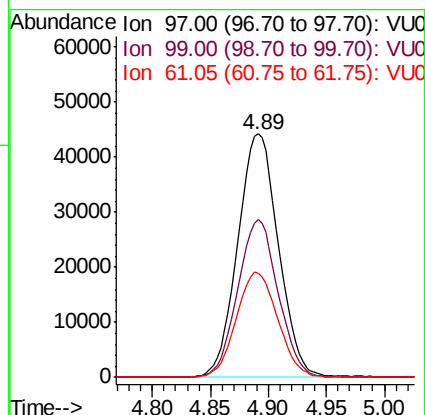
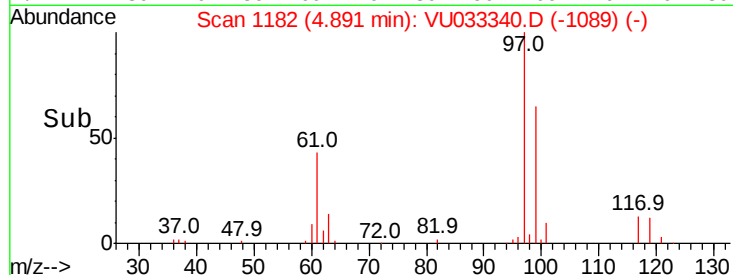
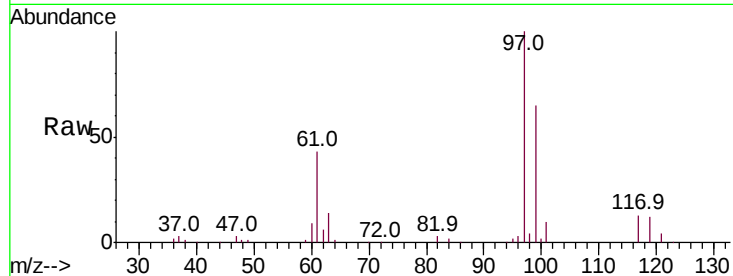




#30
 1,1,1-Trichloroethane
 Concen: 30.166 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033340.D
 Acq: 19 Jul 2019 16:25

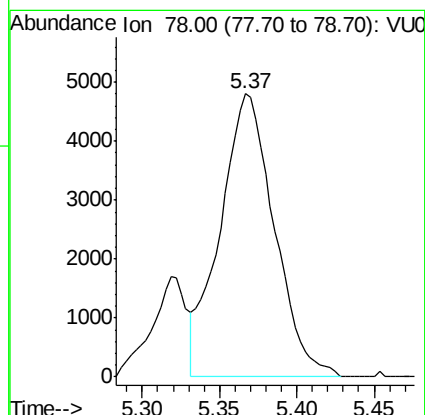
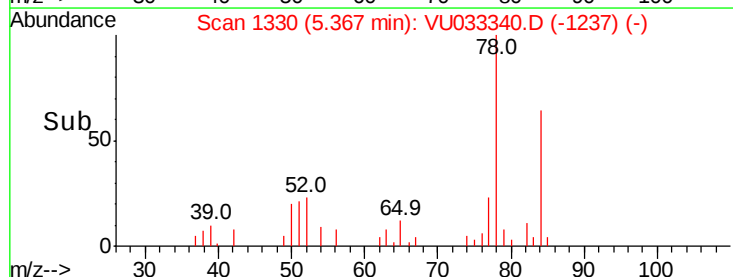
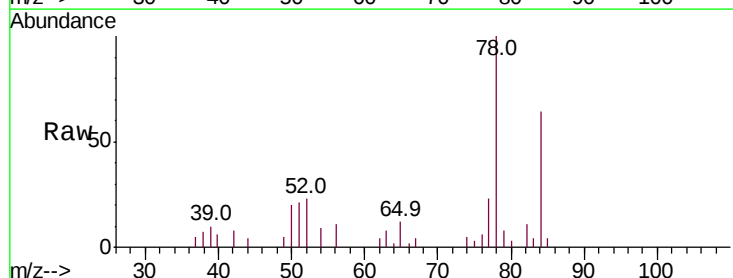
Instrument :
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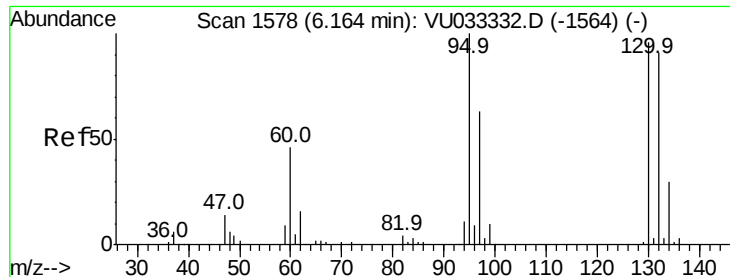
Tot Ion: 97 Resp: 108027
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.5 77.3
 61 43.8 36.4 54.6



#33
 Benzene
 Concen: 1.304 ug/L
 RT: 5.37 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VU033340.D
 Acq: 19 Jul 2019 16:25

Tgt Ion: 78 Resp: 11676





#34

Trichloroethene

Concen: 26.667 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

A42M6

Tot Ion: 95 Resp: 62431

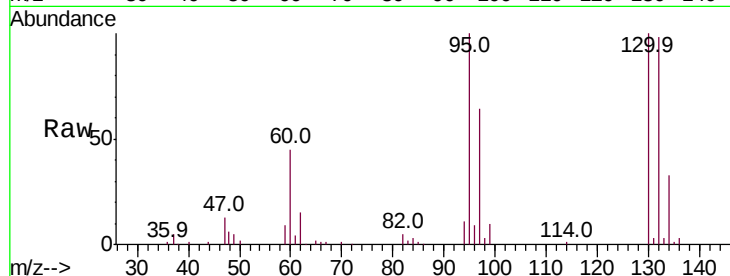
Ion Ratio Lower Upper

95 100

97 64.1 43.8 81.4

132 97.9 65.5 121.6

130 99.7 69.7 129.5



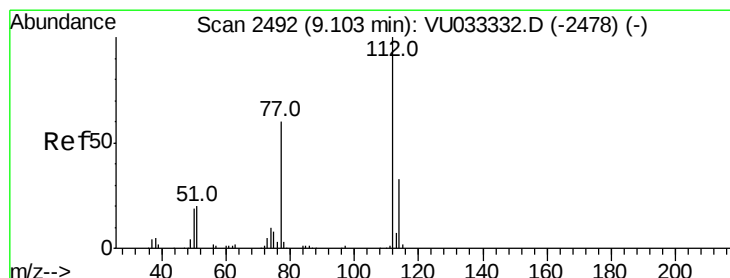
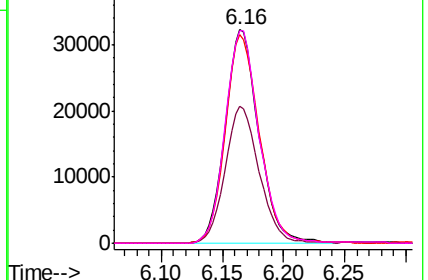
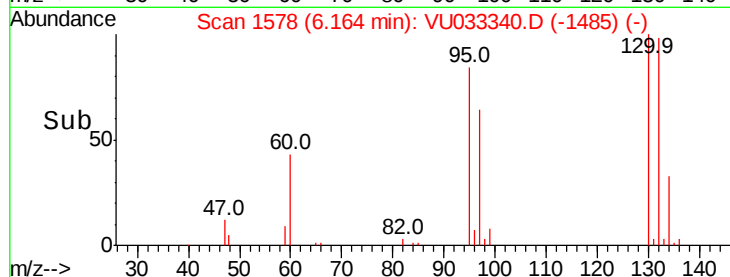
Abundance

Ion 95.00 (94.70 to 95.70): VU033340.D (-2399) (-)

Ion 97.00 (96.70 to 97.70): VU033340.D (-2399) (-)

Ion 132.00 (131.70 to 132.70): VU033340.D (-2399) (-)

Ion 130.00 (129.70 to 130.70): VU033340.D (-2399) (-)



#51

Chlorobenzene

Concen: 1.665 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

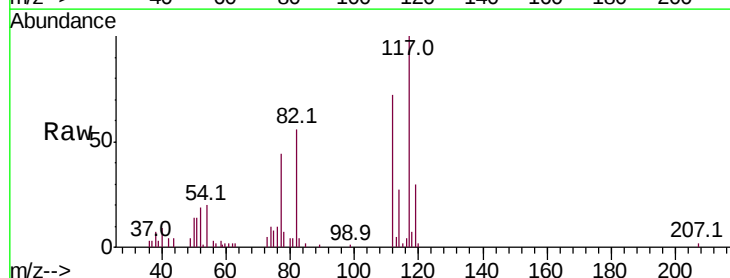
Tgt Ion: 112 Resp: 10486

Ion Ratio Lower Upper

112 100

114 37.4 22.3 41.3

77 61.8 47.2 70.8



Abundance

Ion 112.00 (111.70 to 112.70): VU033340.D (-2399) (-)

Ion 114.00 (113.70 to 114.70): VU033340.D (-2399) (-)

Ion 77.00 (76.70 to 77.70): VU033340.D (-2399) (-)

