

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071919\
 Data File : VU033339.D
 Acq On : 19 Jul 2019 16:04
 Operator : JC/SP
 Sample : K3920-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A42M5

Quant Time: Jul 19 23:51:27 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	5.86	114	319685	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	307622	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	149701	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	123163	50.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.78%
7) Chloroethane-d5	1.67	69	109122	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.56%
11) 1,1-Dichloroethene-d2	2.26	63	170465	38.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.66%
21) 2-Butanone-d5	4.15	46	175002	114.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.13%
24) Chloroform-d	4.62	84	203733	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
26) 1,2-Dichloroethane-d4	5.29	65	135305	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
32) Benzene-d6	5.32	84	424294	56.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.44%
36) 1,2-Dichloropropane-d6	6.31	67	137155	56.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.48%
41) Toluene-d8	7.55	98	383226	53.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.70%
43) trans-1,3-Dichloropropene-	7.83	79	64243	54.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.40%
47) 2-Hexanone-d5	8.29	63	126869	116.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.42%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	193284	52.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	149174	55.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.76%

Target Compounds

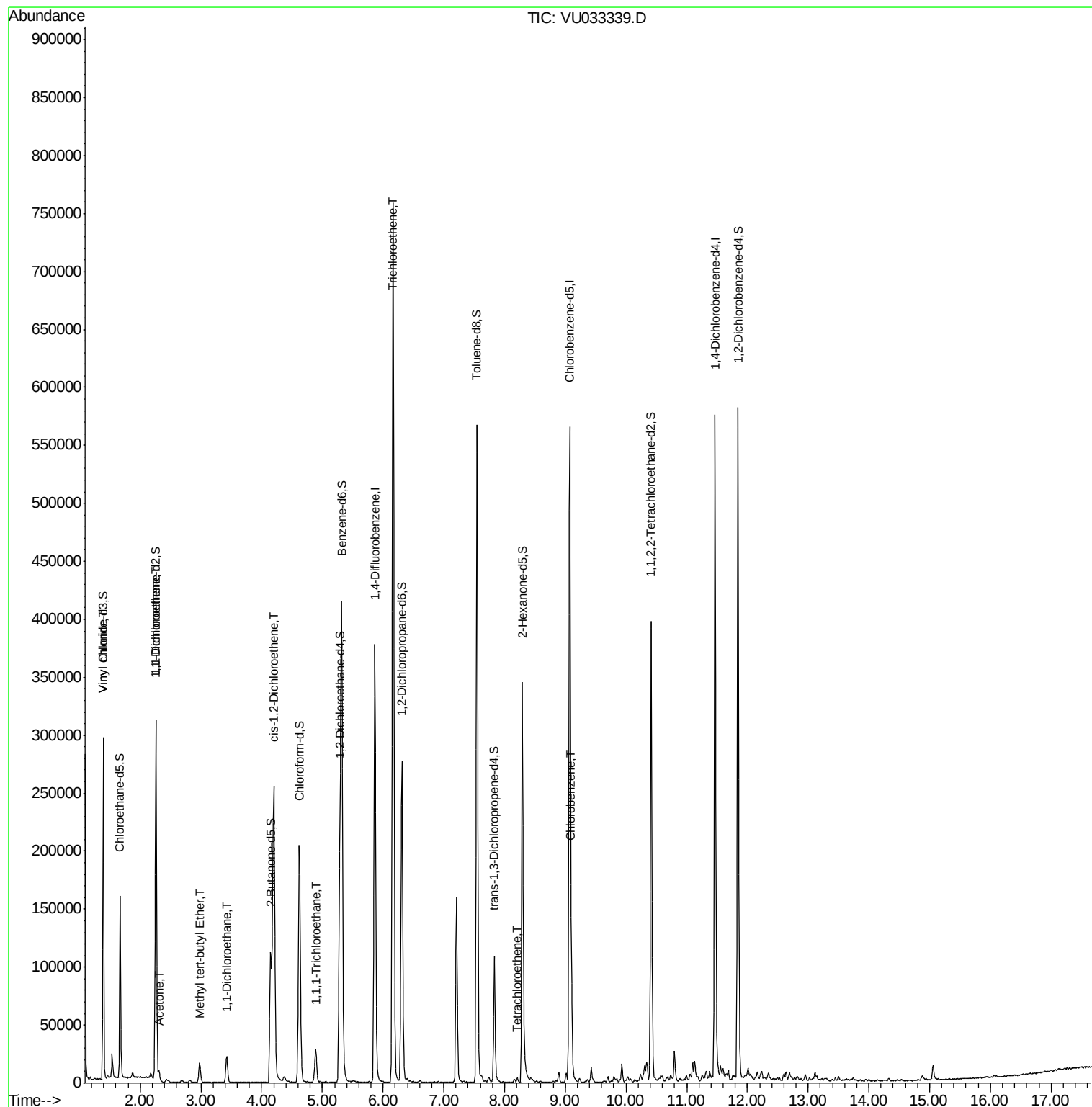
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	66751	18.504	ug/L	98
12) 1,1-Dichloroethene	2.27	96	19218	9.006	ug/L #	1
13) Acetone	2.31	43	7972	4.161	ug/L	97
18) Methyl tert-butyl Ether	2.98	73	17334	2.546	ug/L	96
19) 1,1-Dichloroethane	3.42	63	25000	5.897	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	139502	56.081	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	23429	6.528	ug/L	98
34) Trichloroethene	6.16	95	261885	111.622	ug/L	99
46) Tetrachloroethene	8.22	164	789	0.434	ug/L #	86
51) Chlorobenzene	9.10	112	47789	7.570	ug/L	97

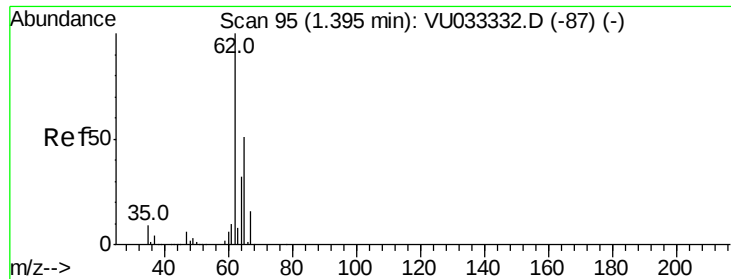
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 18.504 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033339.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

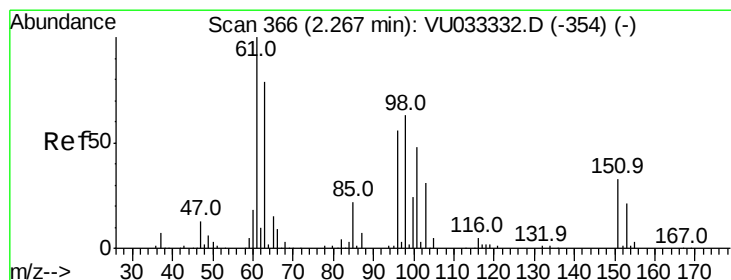
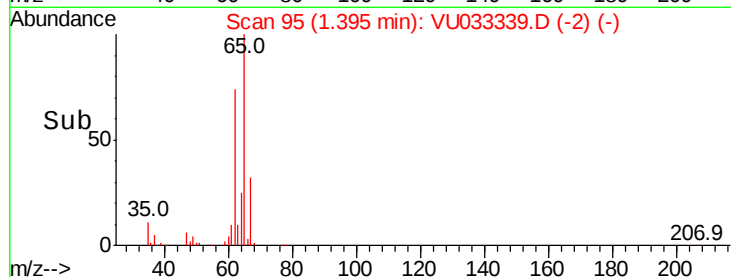
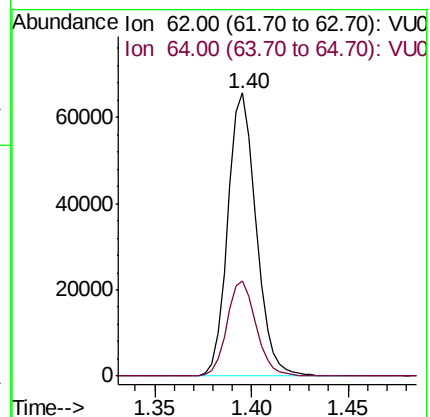
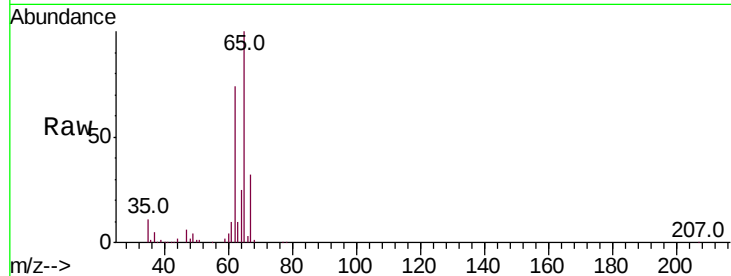
A42M5

Tot Ion: 62 Resp: 66751

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.3



#12

1,1-Dichloroethene

Concen: 9.006 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033339.D

Acq: 19 Jul 2019 16:04

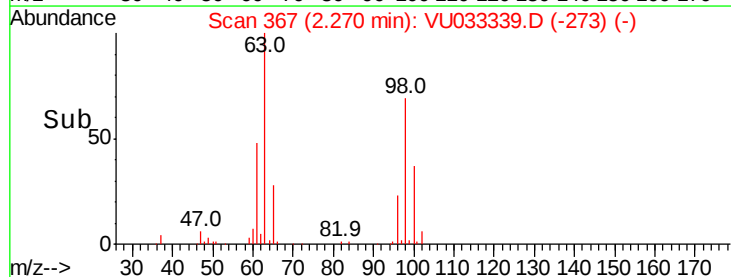
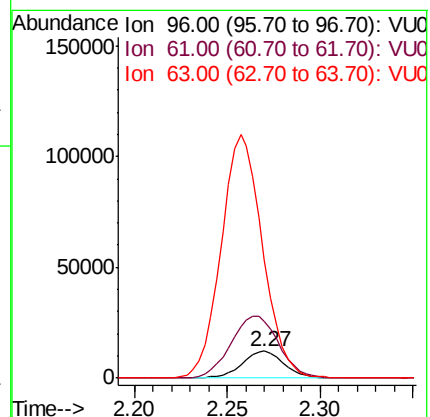
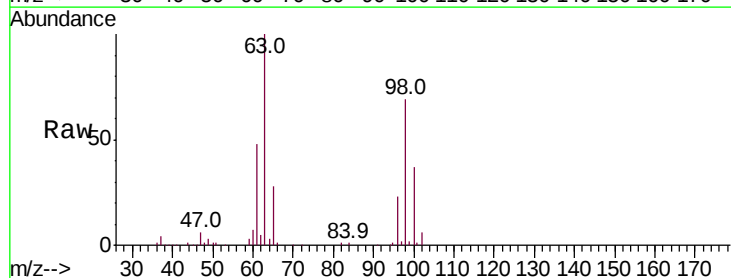
Tgt Ion: 96 Resp: 19218

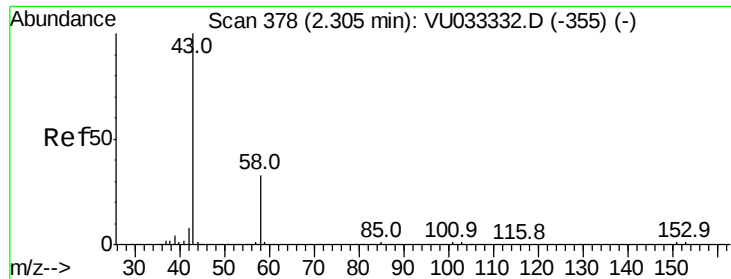
Ion Ratio Lower Upper

96 100

61 213.2 126.1 234.1

63 441.0 96.8 179.8#





#13

Acetone

Concen: 4.161 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033339.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

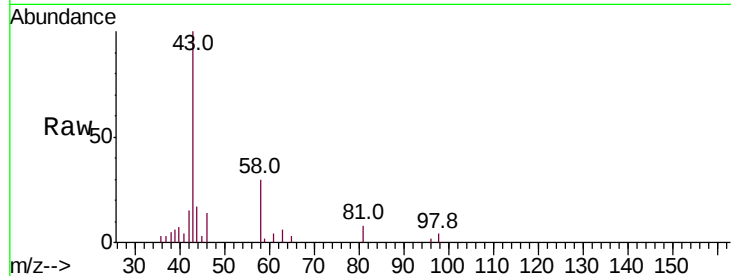
A42M5

Tot Ion: 43 Resp: 7972

Ion Ratio Lower Upper

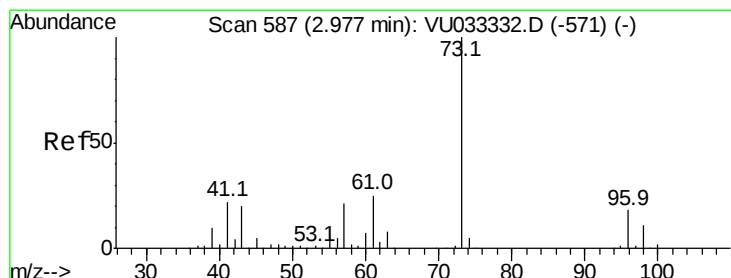
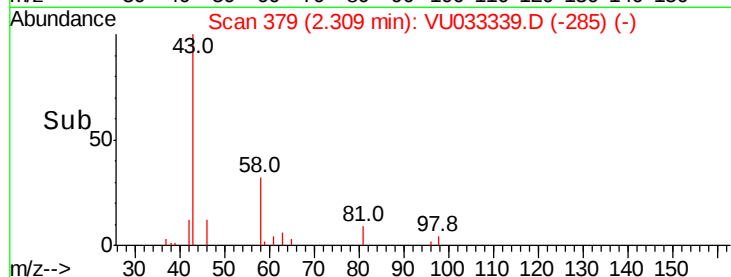
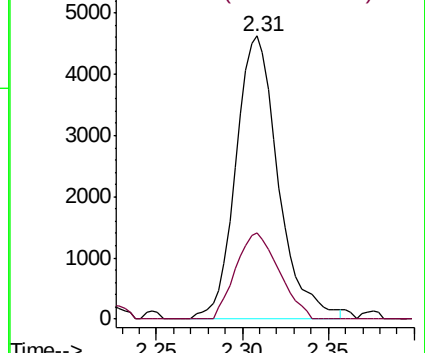
43 100

58 31.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl tert-butyl Ether

Concen: 2.546 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033339.D

Acq: 19 Jul 2019 16:04

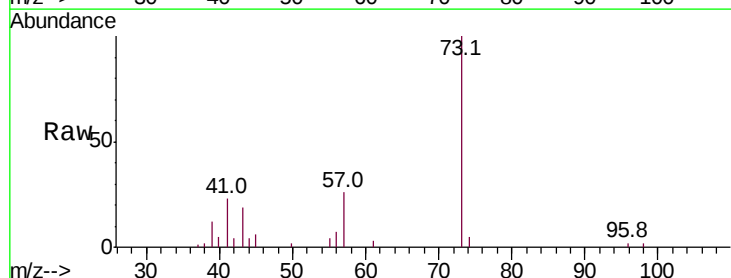
Tgt Ion: 73 Resp: 17334

Ion Ratio Lower Upper

73 100

43 21.8 15.7 23.5

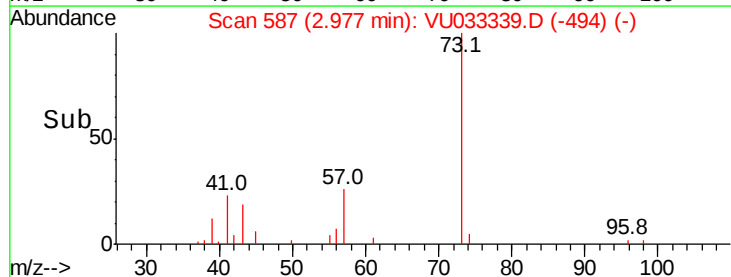
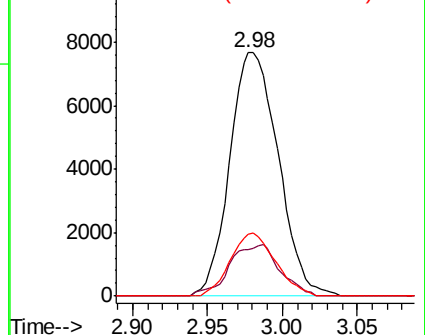
57 24.1 17.8 26.6

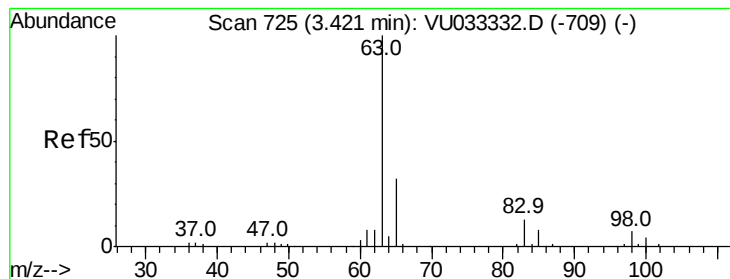


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 5.897 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033339.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

A42M5

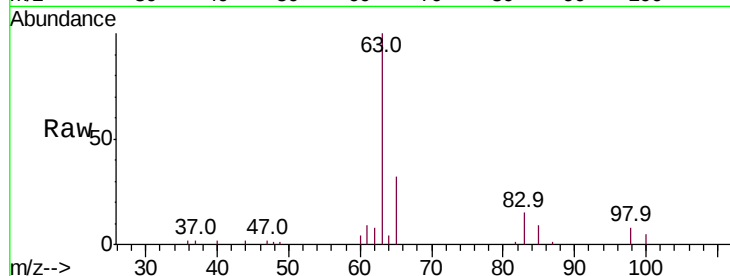
Tot Ion: 63 Resp: 25000

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.5

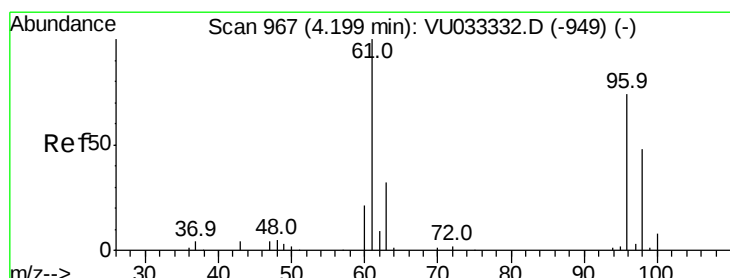
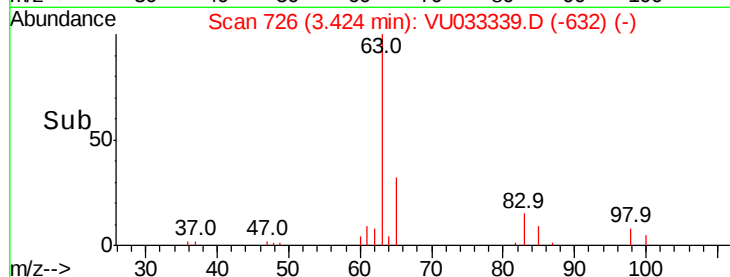
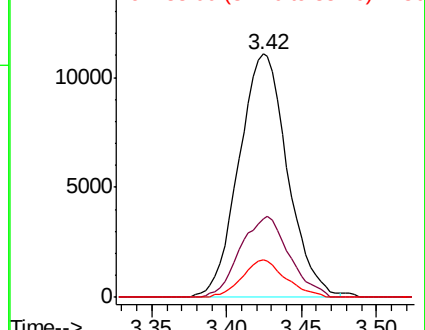
83 15.4 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033339.D (-632) (-)

15000 Ion 65.00 (64.70 to 65.70): VU033339.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033339.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 56.081 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033339.D

Acq: 19 Jul 2019 16:04

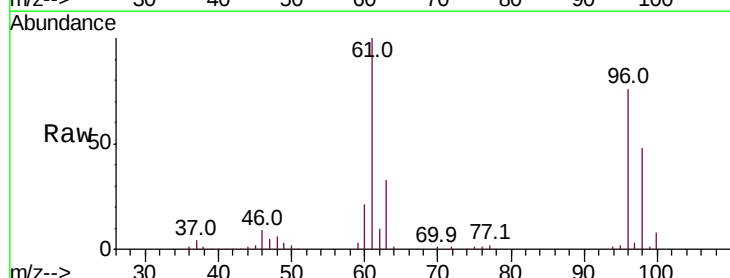
Tgt Ion: 96 Resp: 139502

Ion Ratio Lower Upper

96 100

61 132.0 91.1 169.1

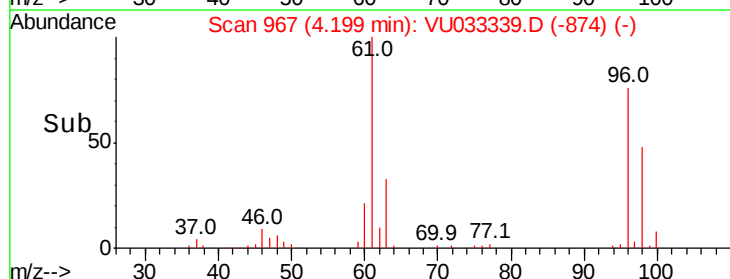
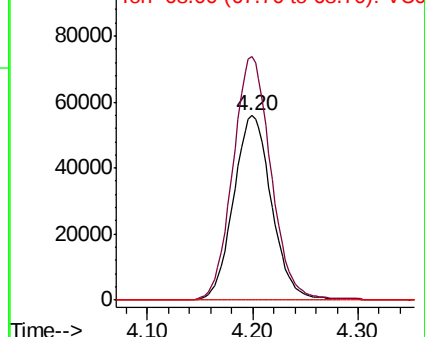
68 0.0 0.0 0.0

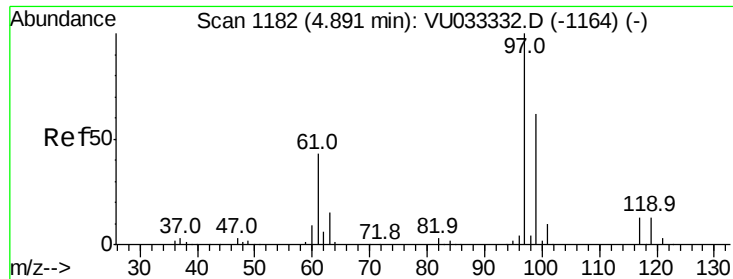


Abundance Ion 96.00 (95.70 to 96.70): VU033339.D (-874) (-)

100000 Ion 61.00 (60.70 to 61.70): VU033339.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033339.D (-874) (-)

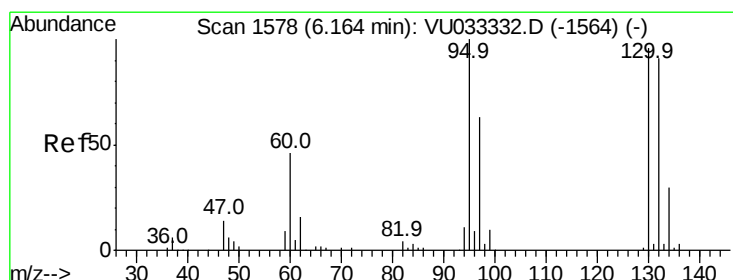
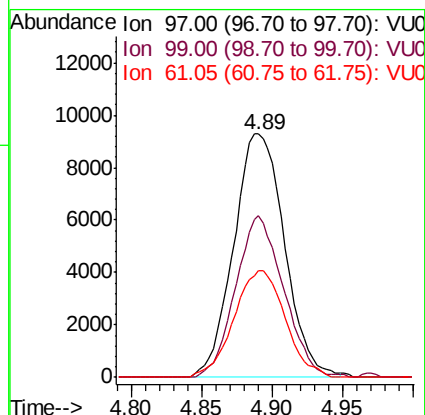
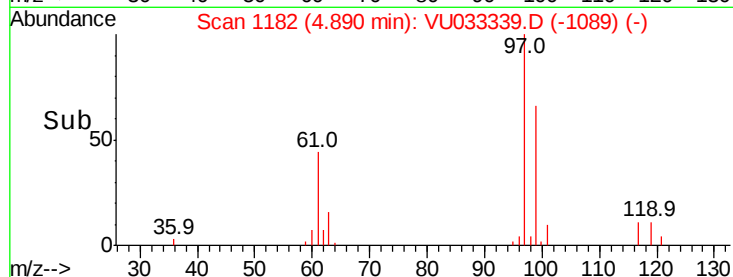
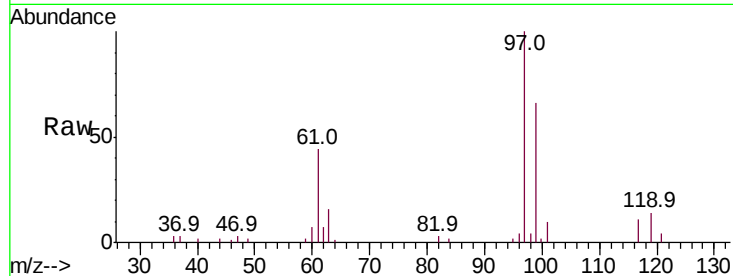




#30
1,1,1-Trichloroethane
Concen: 6.528 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033339.D
Acq: 19 Jul 2019 16:04

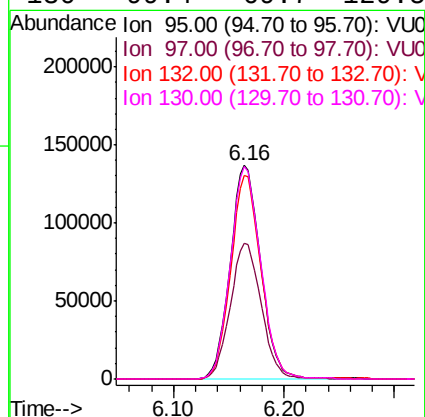
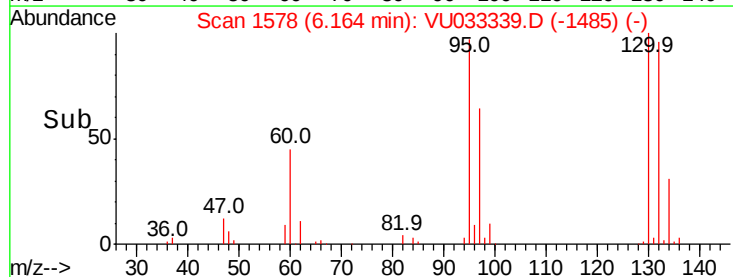
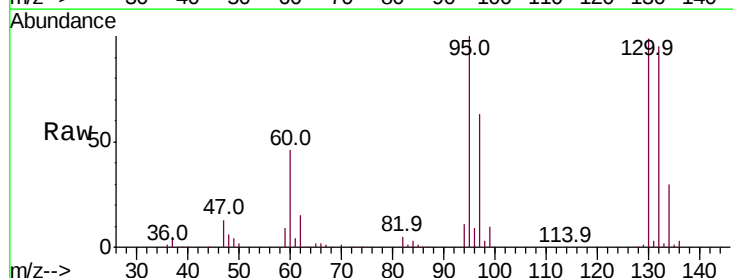
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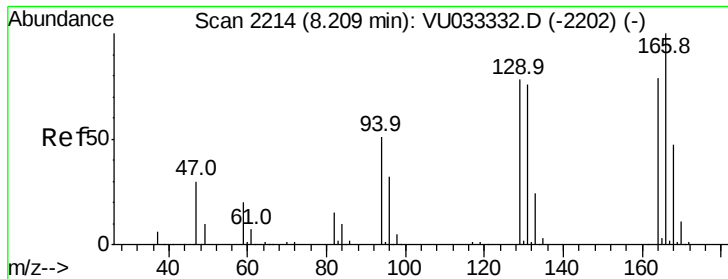
Tot Ion: 97 Resp: 23429
Ion Ratio Lower Upper
97 100
99 62.4 51.5 77.3
61 44.1 36.4 54.6



#34
Trichloroethene
Concen: 111.622 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU033339.D
Acq: 19 Jul 2019 16:04

Tgt Ion: 95 Resp: 261885
Ion Ratio Lower Upper
95 100
97 63.3 43.8 81.4
132 95.4 65.5 121.6
130 99.4 69.7 129.5





#46

Tetrachloroethene

Concen: 0.434 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VU033339.D

Acq: 19 Jul 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

A42M5

Tot Ion:164 Resp: 789

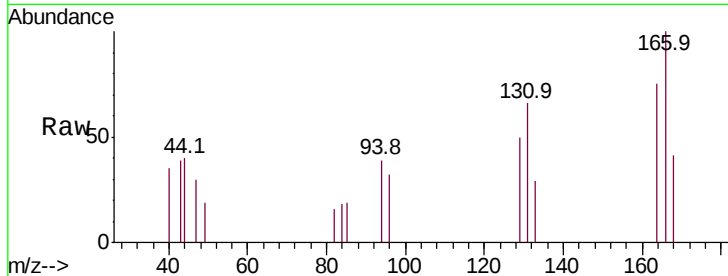
Ion Ratio Lower Upper

164 100

129 66.8 69.6 129.2#

131 87.7 65.7 122.1

166 133.0 88.5 164.4

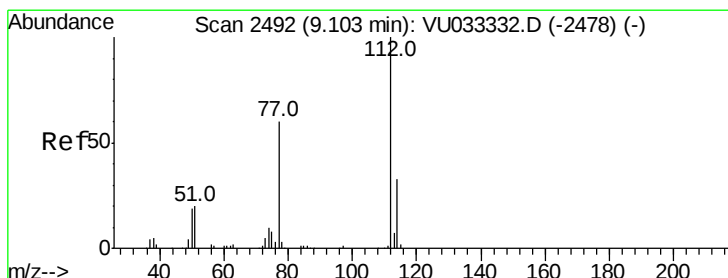
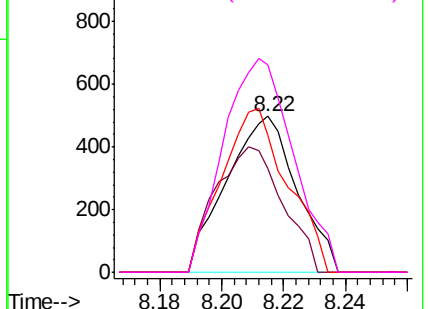
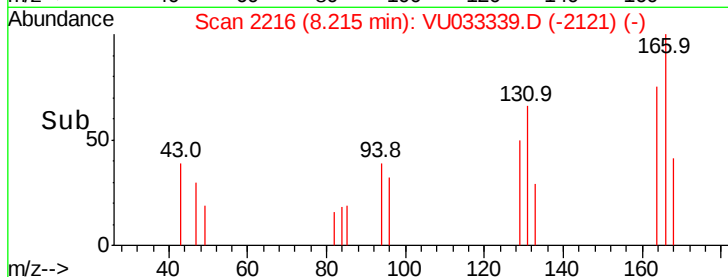


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 7.570 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU033339.D

Acq: 19 Jul 2019 16:04

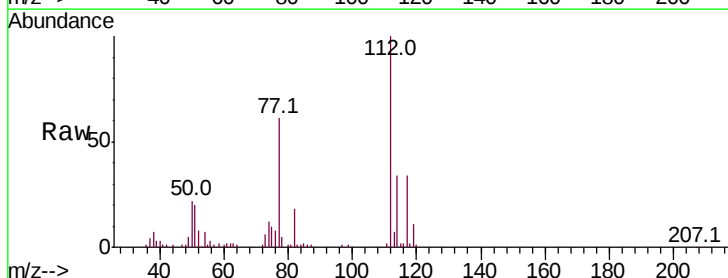
Tgt Ion:112 Resp: 47789

Ion Ratio Lower Upper

112 100

114 33.9 22.3 41.3

77 61.0 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU

