

Data File : VU035329.D
Acq On : 21 Oct 2019 18:52
Operator : JC/SP
Sample : K5419-08DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G56DL

Quant Time: Oct 22 06:43:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	314595	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	305314	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	111382	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	130339	6.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	135.80%#
7) Chloroethane-d5	1.93	69	110088	6.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.60%
11) 1,1-Dichloroethene-d2	2.59	63	169326	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.70	46	280495	50.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.76%
24) Chloroform-d	5.11	84	194902	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
26) 1,2-Dichloroethane-d4	5.75	65	110181	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.77	84	419493	6.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.20%
36) 1,2-Dichloropropane-d6	6.74	67	132669	5.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.60%
41) Toluene-d8	7.93	98	378744	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
43) trans-1,3-Dichloropropene-	8.21	79	53226	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.68	63	219032	46.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.32%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	102800	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.23	152	116833	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

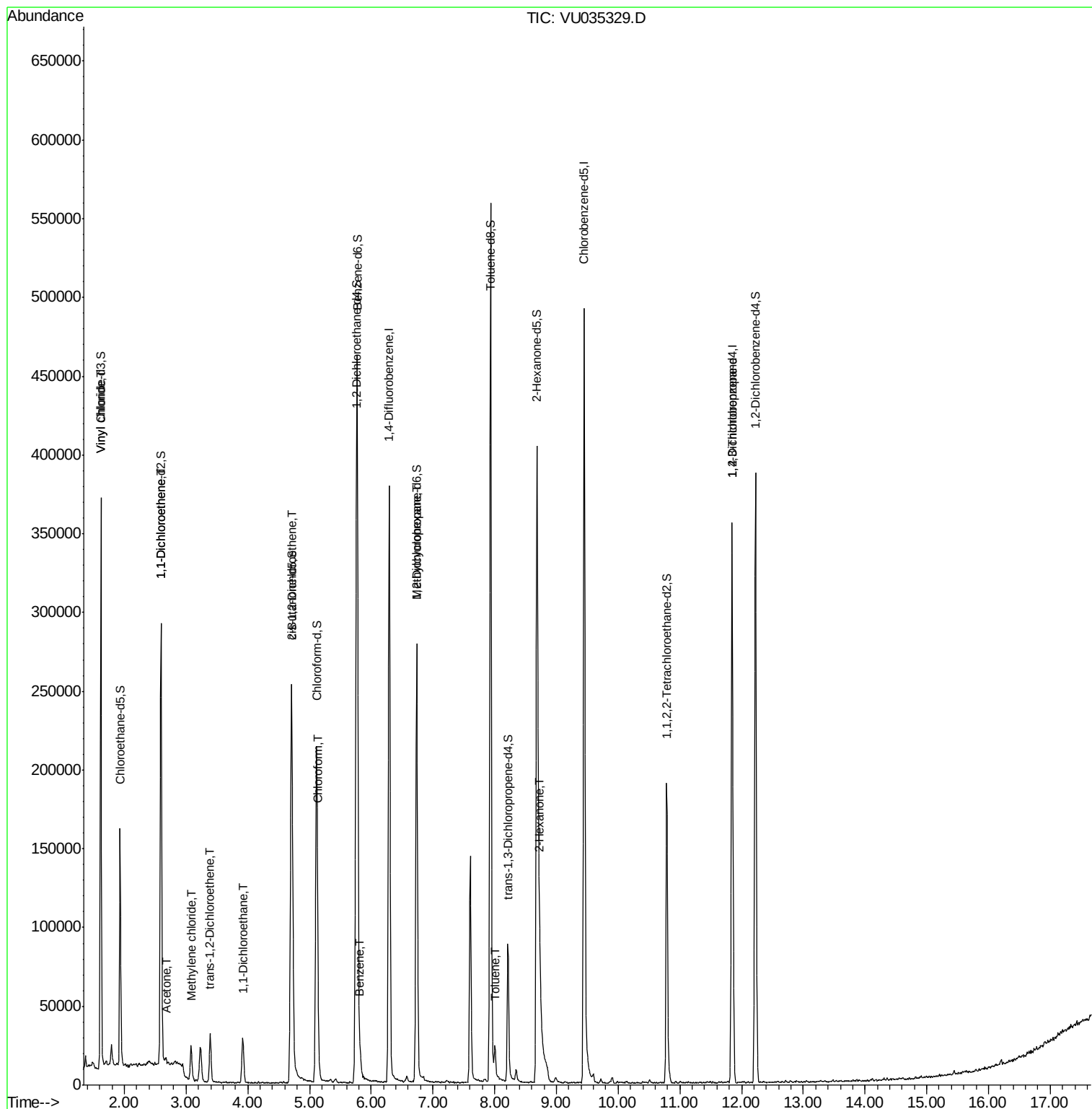
					Qvalue
5) Vinyl chloride	1.62	62	140158	5.138 ug/L	99
12) 1,1-Dichloroethene	2.59	96	1772	0.088 ug/L #	1
13) Acetone	2.67	43	3646	0.951 ug/L	97
16) Methylene chloride	3.08	84	10220	0.420 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	12727	0.583 ug/L	99
19) 1,1-Dichloroethane	3.92	63	30821	0.781 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	46851	1.943 ug/L	100
25) Chloroform	5.14	83	13719	0.317 ug/L	97
33) Benzene	5.82	78	11786	0.131 ug/L	100
35) Methylcyclohexane	6.74	83	30788	0.763 ug/L #	19
42) Toluene	8.01	91	12422	0.125 ug/L	93
48) 2-Hexanone	8.73	43	10280	0.952 ug/L #	87
59) 1,2,3-Trichloropropane	11.84	75	14919	0.939 ug/L	98

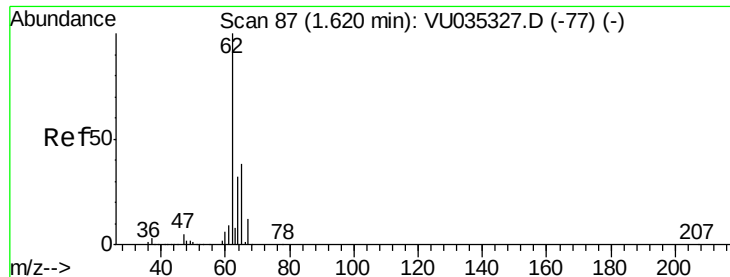
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.138 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

Instrument :

MSVOA_U

ClientSampled :

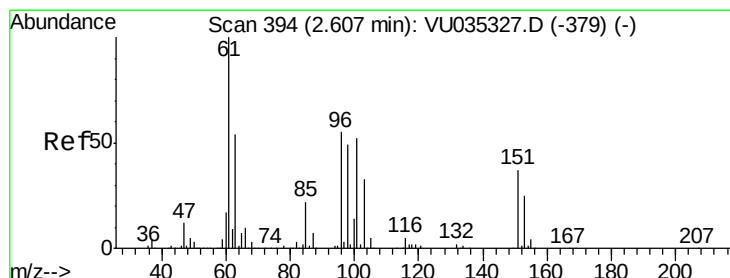
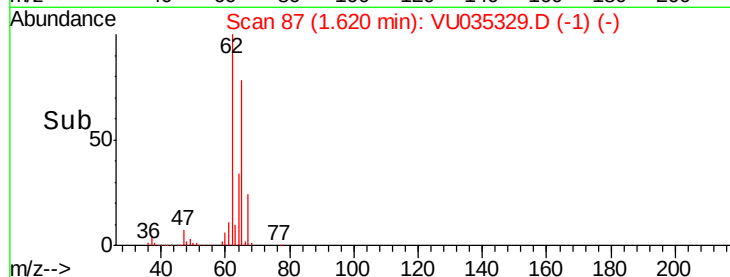
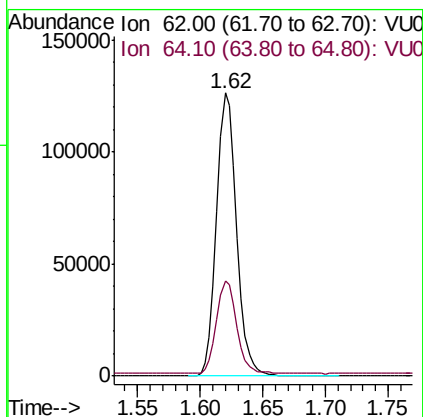
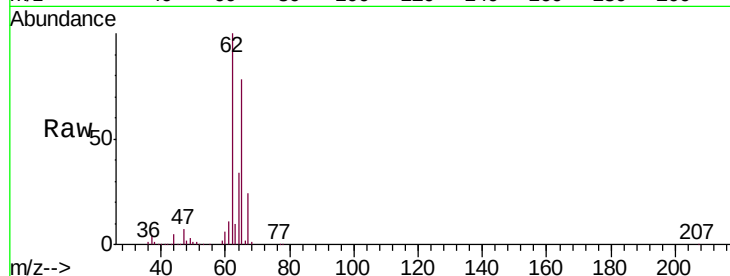
H0G56DL

Tgt Ion: 62 Resp: 140158

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.088 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

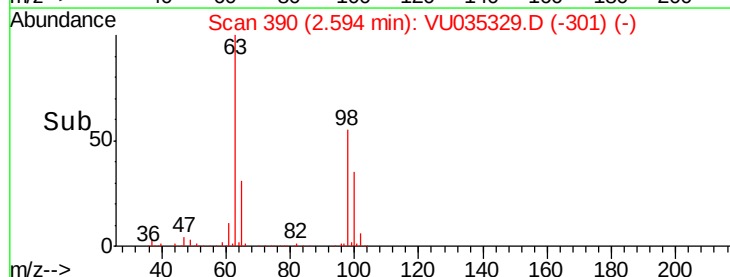
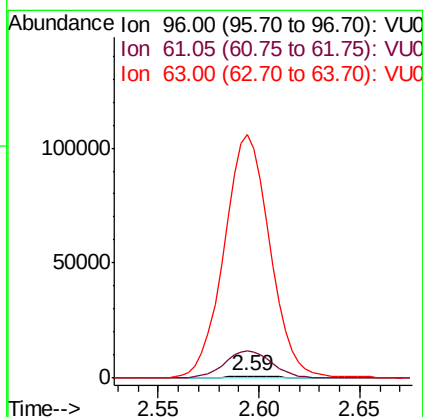
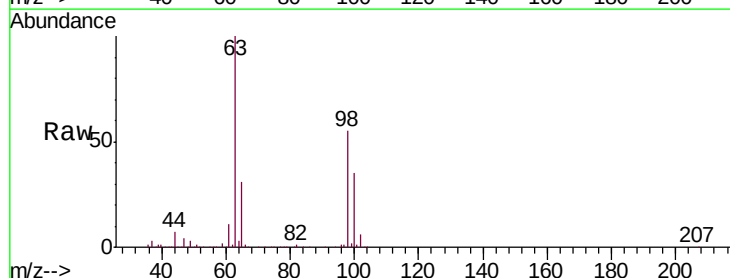
Tgt Ion: 96 Resp: 1772

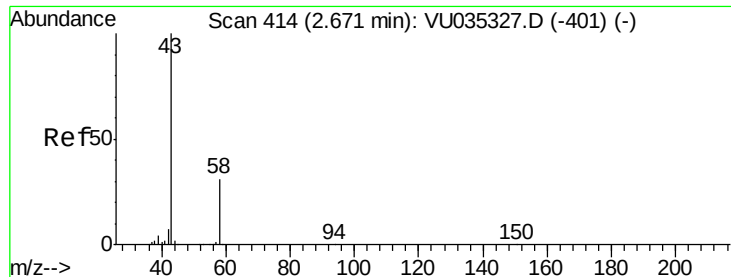
Ion Ratio Lower Upper

96 100

61 1267.4 120.6 224.0#

63 11205.9 86.8 161.2#





#13

Acetone

Concen: 0.951 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

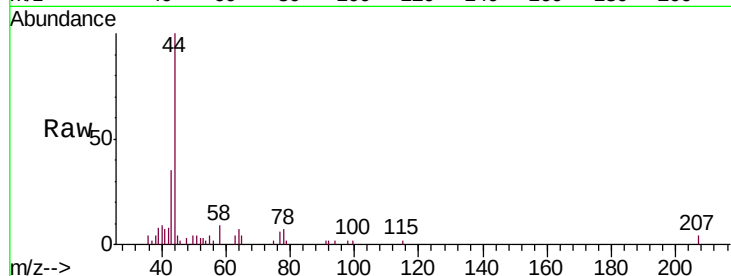
H0G56DL

Tgt Ion: 43 Resp: 3646

Ion Ratio Lower Upper

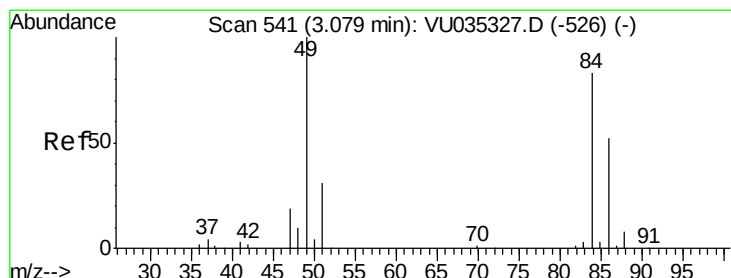
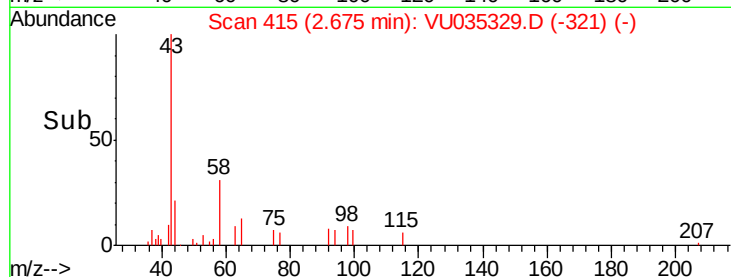
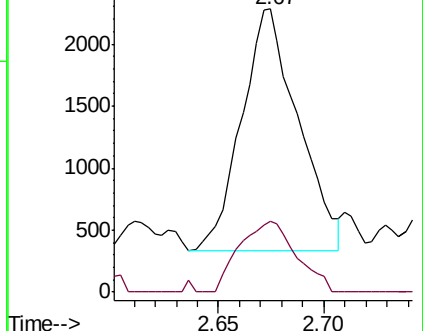
43 100

58 29.4 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035329.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035329.D (-401) (-)



#16

Methylene chloride

Concen: 0.420 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

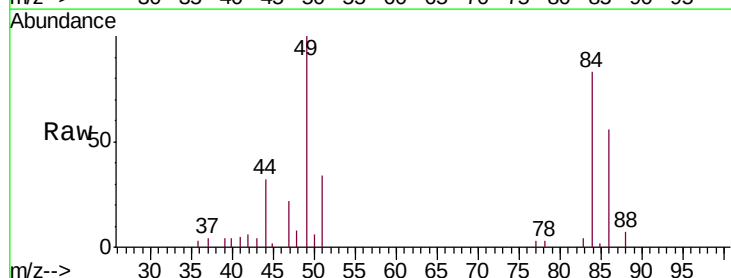
Tgt Ion: 84 Resp: 10220

Ion Ratio Lower Upper

84 100

86 68.0 45.4 84.2

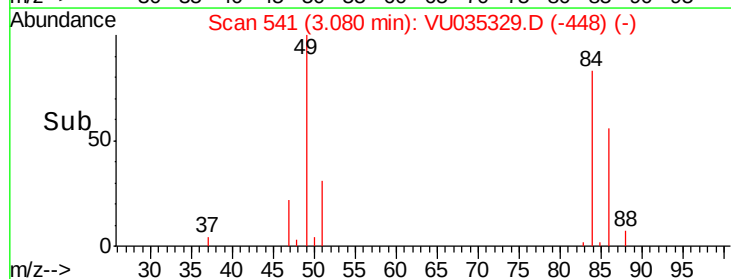
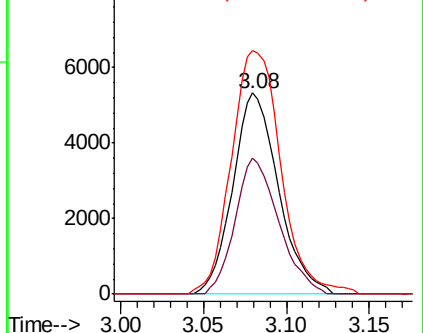
49 121.1 86.8 161.2

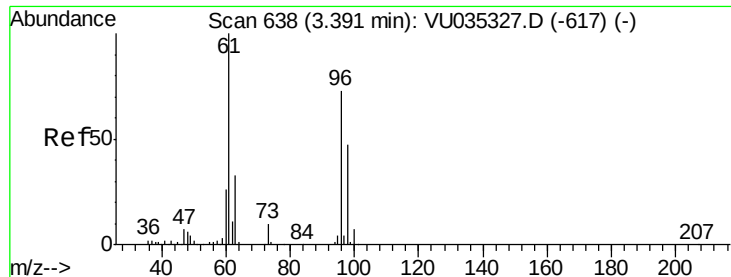


Abundance Ion 84.05 (83.75 to 84.75): VU035329.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035329.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035329.D (-526) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.583 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

H0G56DL

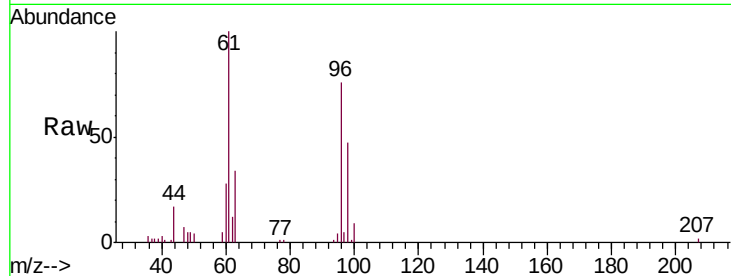
Tgt Ion: 96 Resp: 12727

Ion Ratio Lower Upper

96 100

61 132.1 93.0 172.6

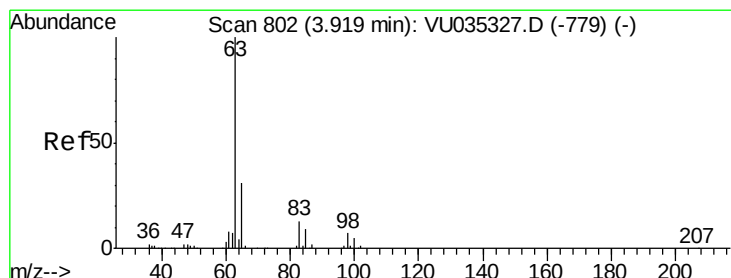
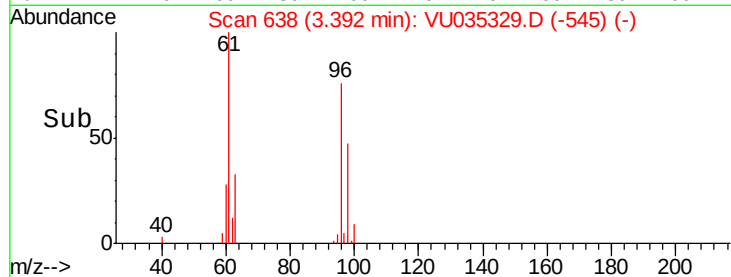
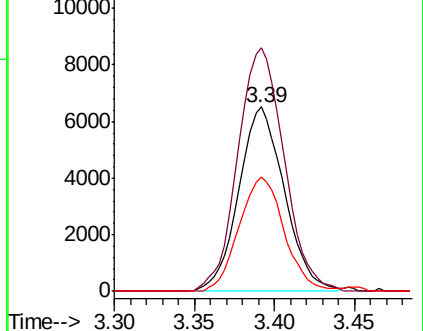
98 61.7 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035329.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035329.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035329.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.781 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

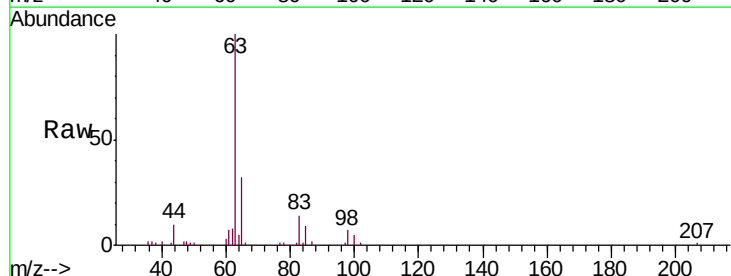
Tgt Ion: 63 Resp: 30821

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

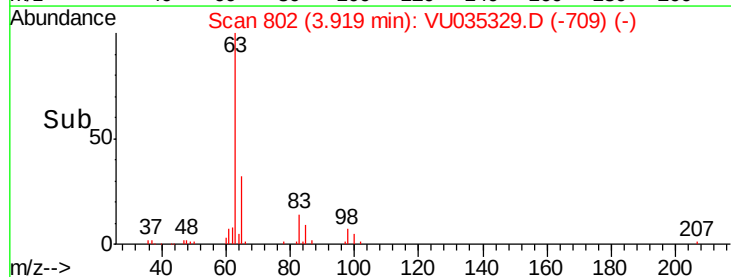
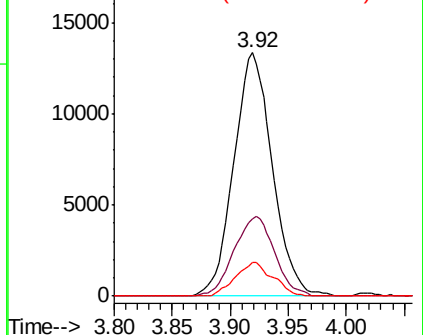
83 13.7 9.3 17.3

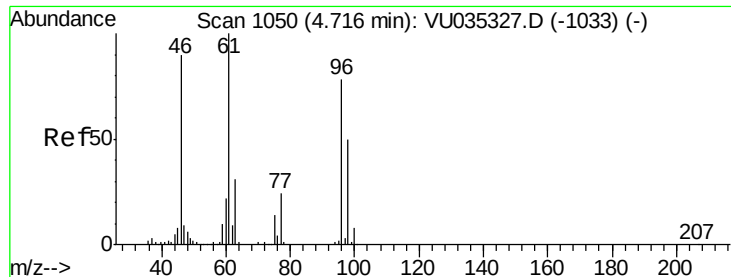


Abundance Ion 63.10 (62.80 to 63.80): VU035329.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035329.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035329.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.943 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

H0G56DL

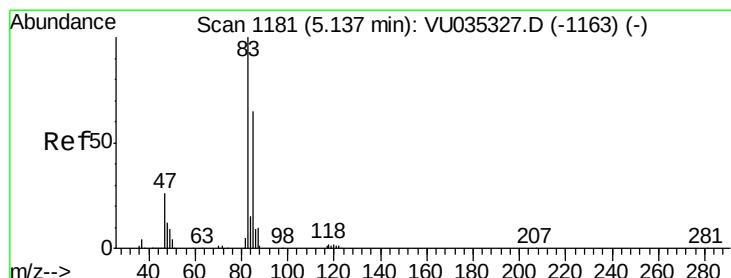
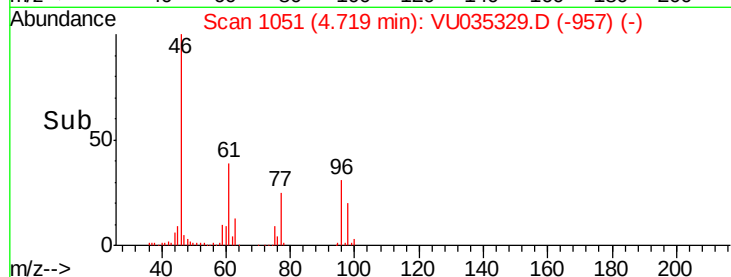
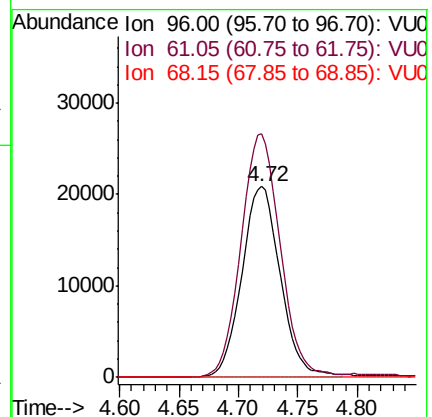
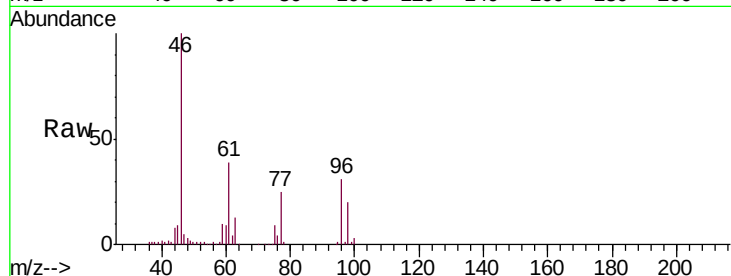
Tgt Ion: 96 Resp: 46851

Ion Ratio Lower Upper

96 100

61 127.6 89.7 166.5

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.317 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035329.D

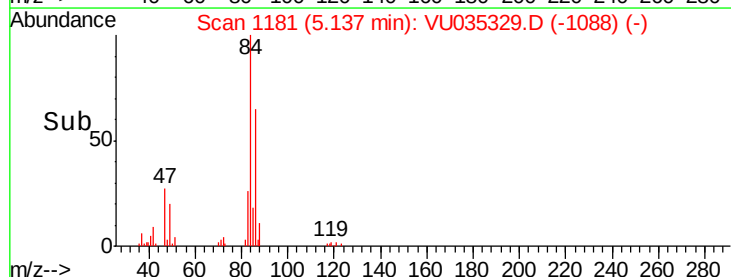
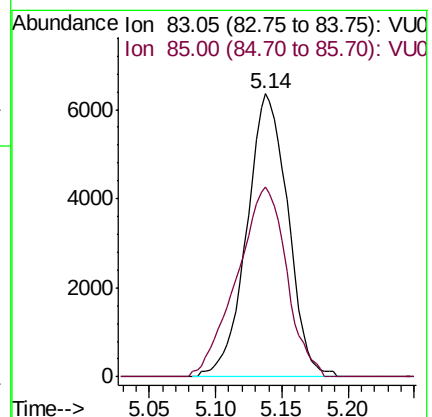
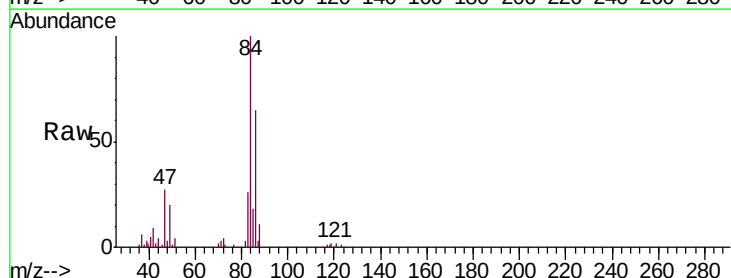
Acq: 21 Oct 2019 18:52

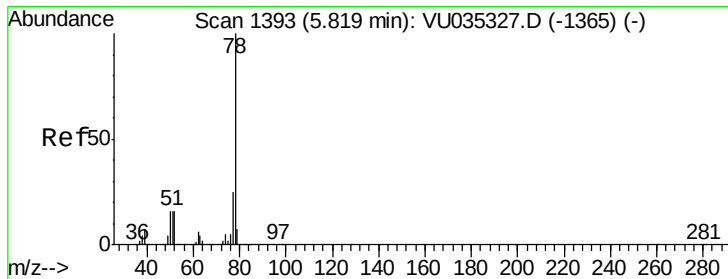
Tgt Ion: 83 Resp: 13719

Ion Ratio Lower Upper

83 100

85 66.9 45.1 83.9





#33

Benzene

Concen: 0.131 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

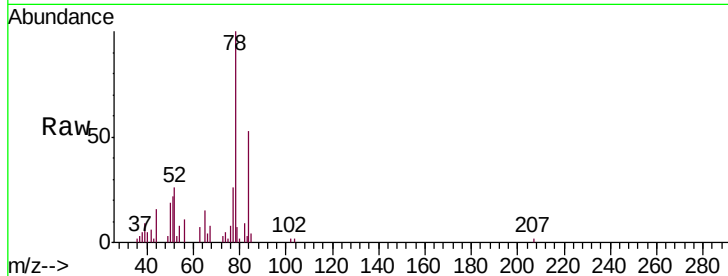
Instrument :

MSVOA_U

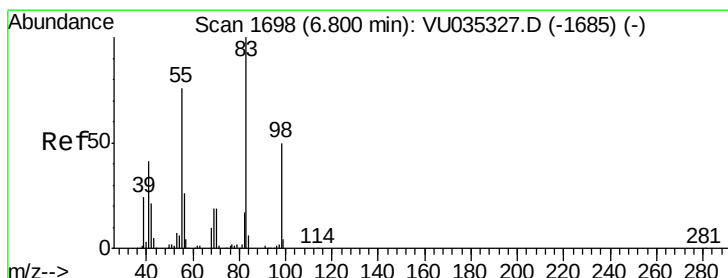
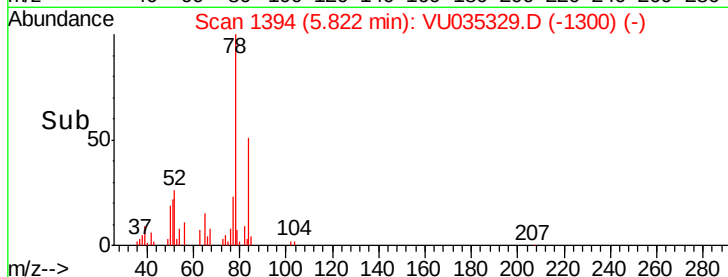
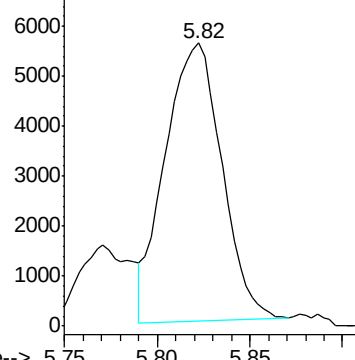
ClientSampleId :

H0G56DL

Tgt Ion: 78 Resp: 11786



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.763 ug/L

RT: 6.74 min Scan# 1678

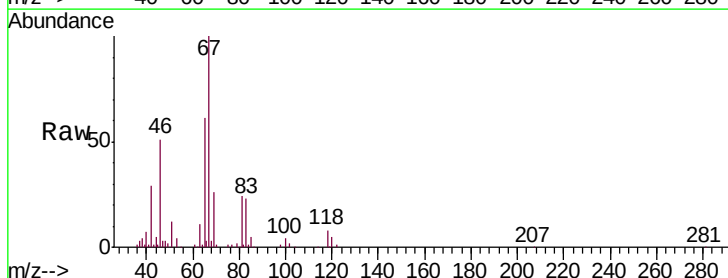
Delta R.T. -0.06 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

Tgt Ion: 83 Resp: 30788

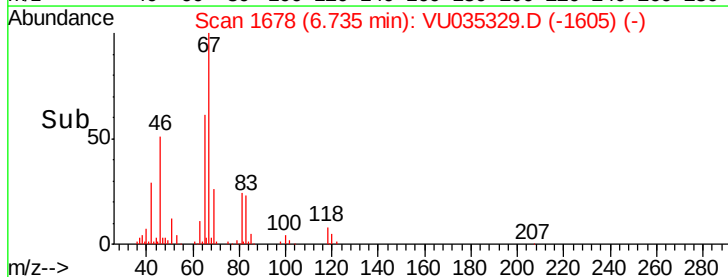
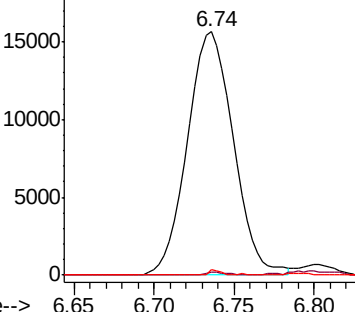
Ion	Ratio	Lower	Upper
83	100		
55	0.5	60.4	90.6#
98	0.5	39.5	59.3#

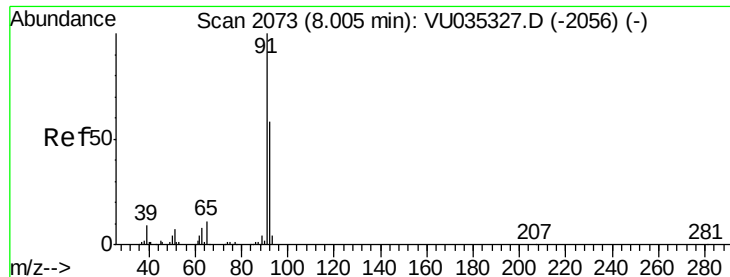


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.125 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

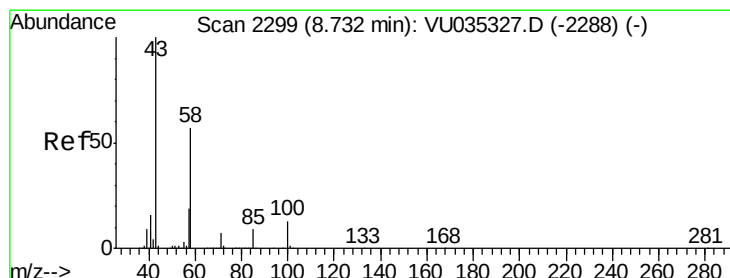
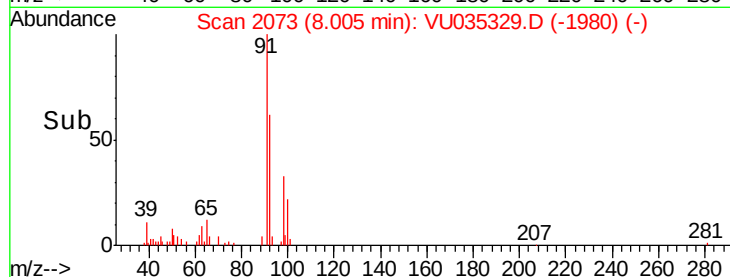
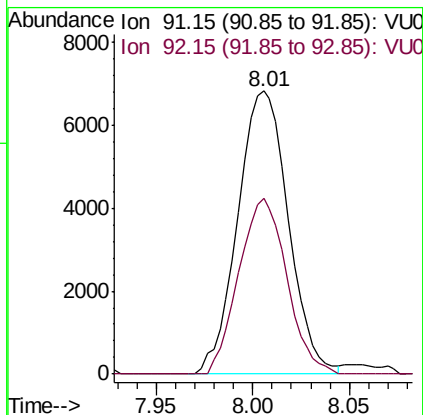
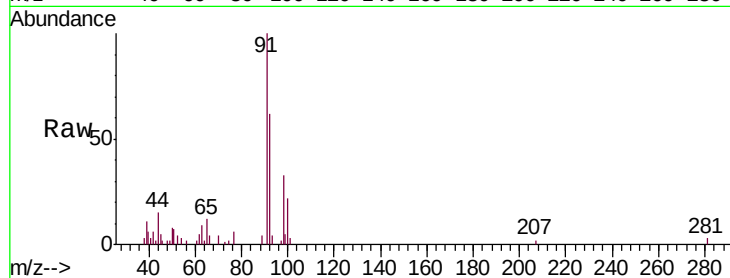
H0G56DL

Tgt Ion: 91 Resp: 12422

Ion Ratio Lower Upper

91 100

92 62.2 39.9 74.1



#48

2-Hexanone

Concen: 0.952 ug/L

RT: 8.73 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

Tgt Ion: 43 Resp: 10280

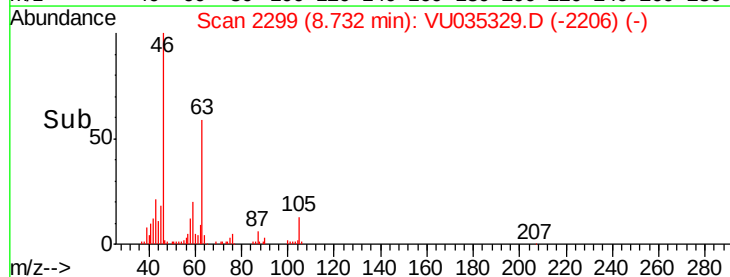
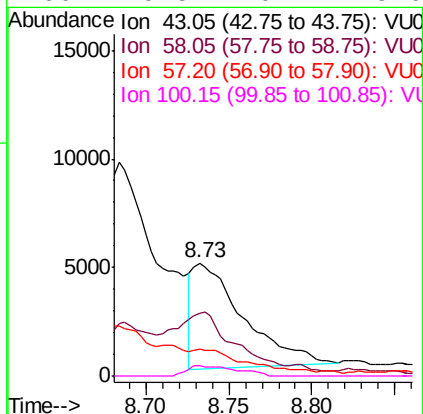
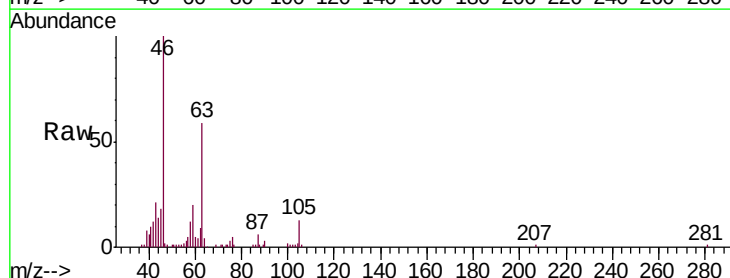
Ion Ratio Lower Upper

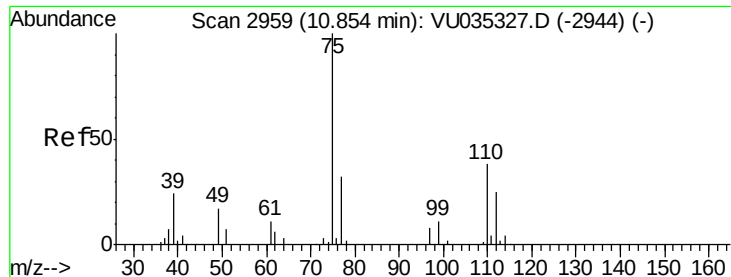
43 100

58 58.5 45.1 67.7

57 0.0 16.0 24.0#

100 9.5 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.939 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035329.D

Acq: 21 Oct 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

H0G56DL

Tgt Ion: 75 Resp: 14919

Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.2

