

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035363.D
 Acq On : 22 Oct 2019 14:23
 Operator : JC/SP
 Sample : K5461-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G72

Quant Time: Oct 23 08:03:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 06:48:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	284310	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	262139	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	126343	7.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	145.80%#
7) Chloroethane-d5	1.93	69	103272	6.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.40%#
11) 1,1-Dichloroethene-d2	2.60	63	164461	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.60%
20) 2-Butanone-d5	4.71	46	304081	61.04	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.08%
24) Chloroform-d	5.11	84	165757	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.75	65	102214	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	5.77	84	377713	6.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.00%#
36) 1,2-Dichloropropane-d6	6.74	67	121417	6.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.60%
41) Toluene-d8	7.93	98	328349	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
43) trans-1,3-Dichloropropene-	8.22	79	24978	2.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	54.00%#
46) 2-Hexanone-d5	8.69	63	200773	49.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.56%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	93022	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	93842	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

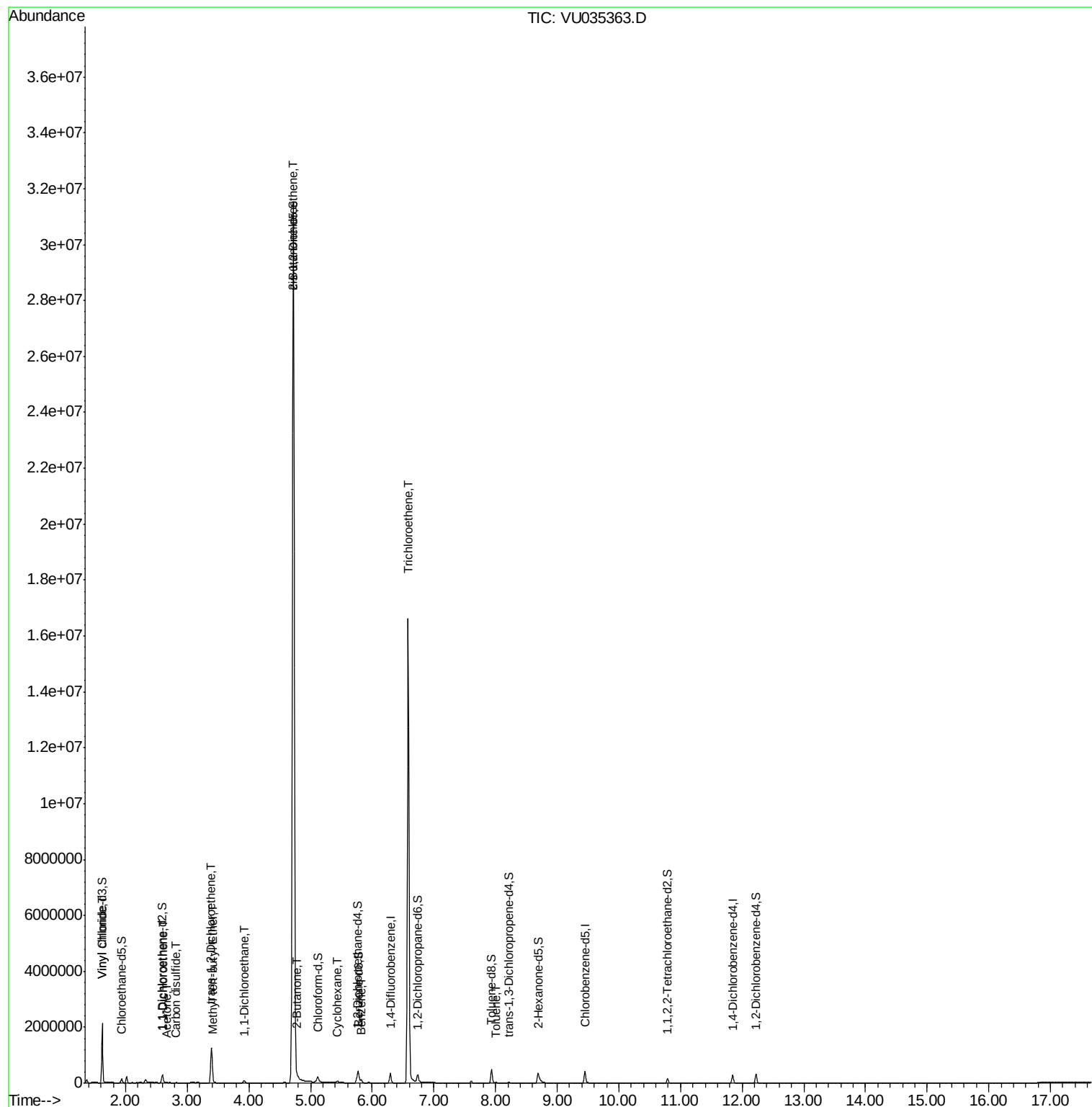
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	1269193	51.486	ug/L	99
12) 1,1-Dichloroethene	2.61	96	20832	1.141	ug/L #	1
13) Acetone	2.67	43	10336	2.983	ug/L	88
14) Carbon disulfide	2.82	76	7795	0.135	ug/L #	81
17) Methyl tert-butyl Ether	3.43	73	17320	0.352	ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	513638	26.057	ug/L	94
19) 1,1-Dichloroethane	3.92	63	101697	2.853	ug/L	98
21) 2-Butanone	4.79	43	52826	9.353	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	16139349	740.765	ug/L	90
30) Cyclohexane	5.43	56	21249	0.646	ug/L	97
33) Benzene	5.82	78	110424	1.432	ug/L	100
34) Trichloroethene	6.58	95	5598935	270.009	ug/L	96
42) Toluene	8.01	91	18539	0.218	ug/L	99

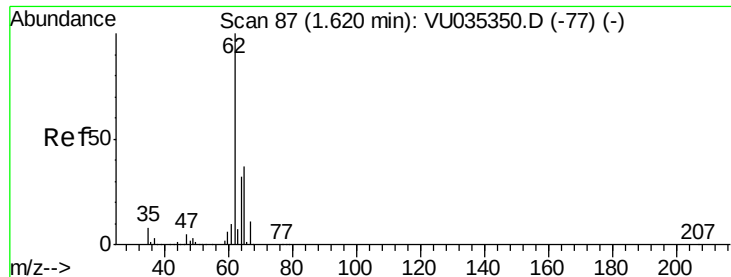
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 51.486 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

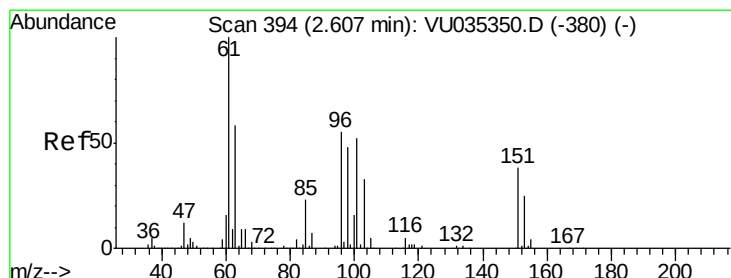
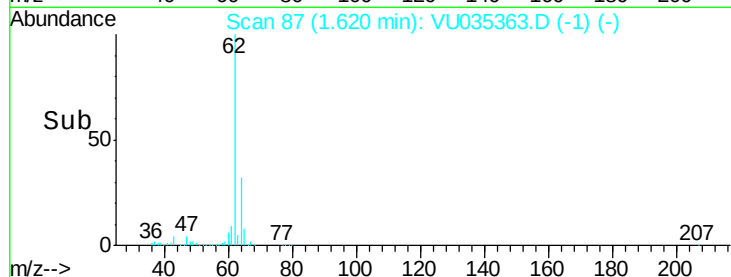
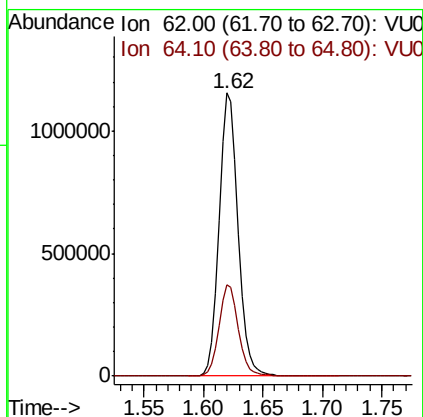
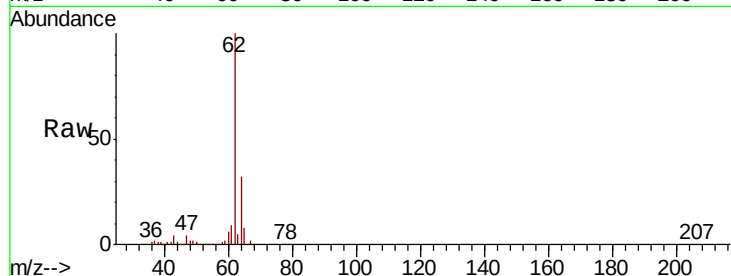
H0G72

Tot Ion: 62 Resp: 1269193

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



#12

1,1-Dichloroethene

Concen: 1.141 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

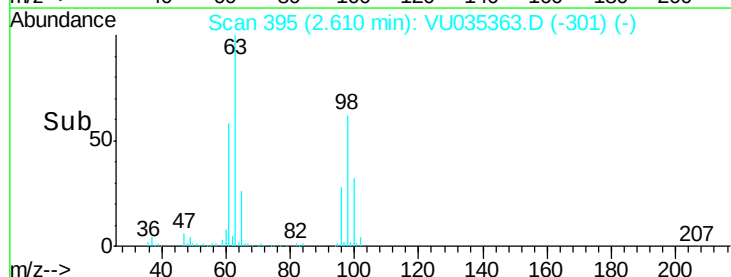
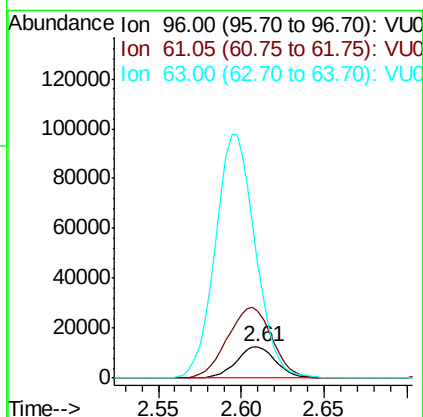
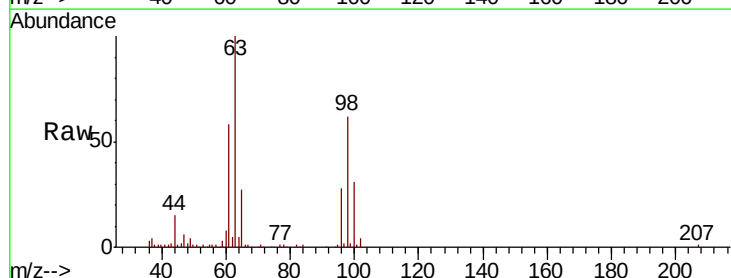
Tgt Ion: 96 Resp: 20832

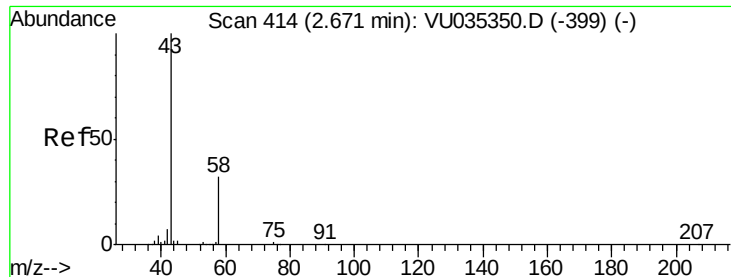
Ion Ratio Lower Upper

96 100

61 210.9 120.6 224.0

63 362.3 86.8 161.2#





#13

Acetone

Concen: 2.983 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

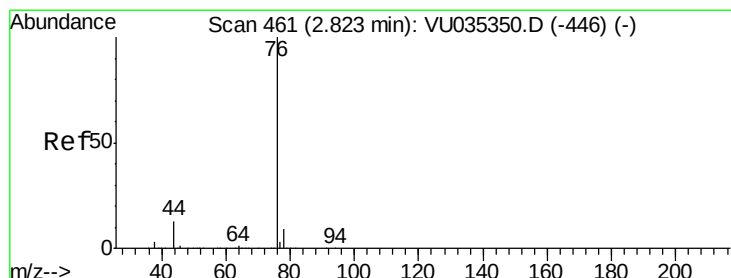
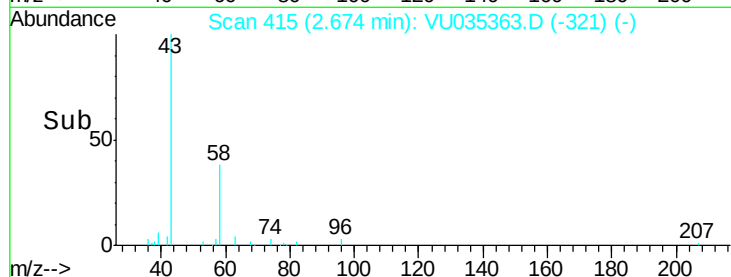
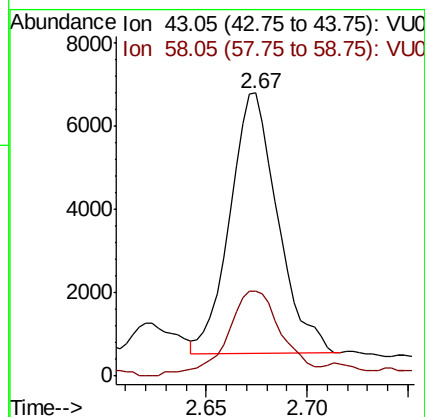
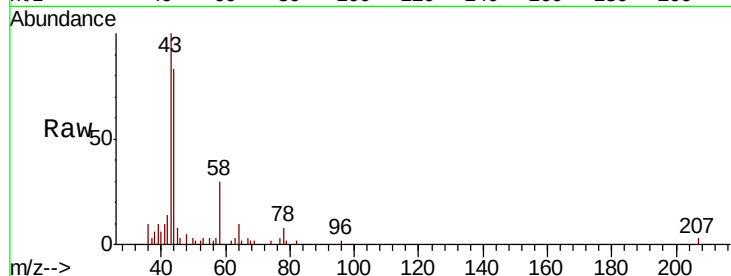
Instrument :
MSVOA_U
ClientSampleId :
H0G72

Tot Ion: 43 Resp: 10336

Ion Ratio Lower Upper

43 100

58 37.7 0.0 61.8



#14

Carbon disulfide

Concen: 0.135 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035363.D

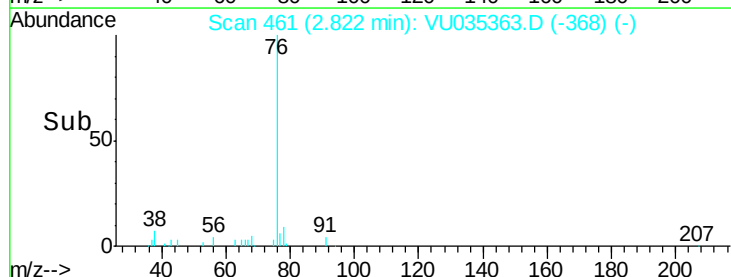
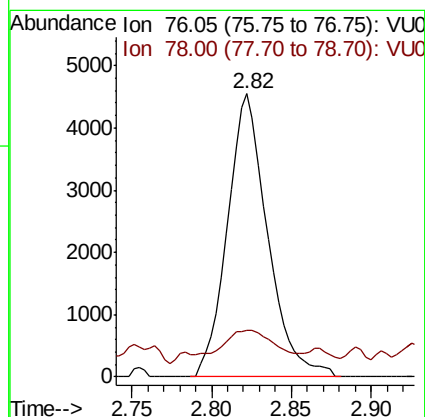
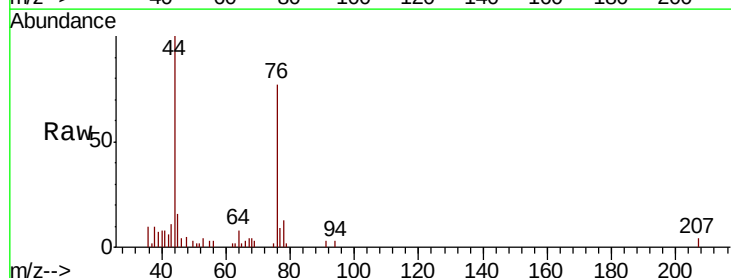
Acq: 22 Oct 2019 14:23

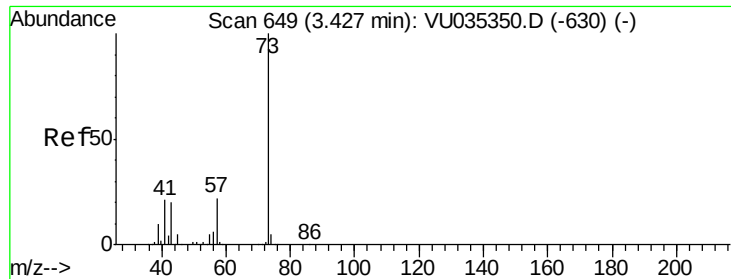
Tgt Ion: 76 Resp: 7795

Ion Ratio Lower Upper

76 100

78 16.4 7.6 11.4#

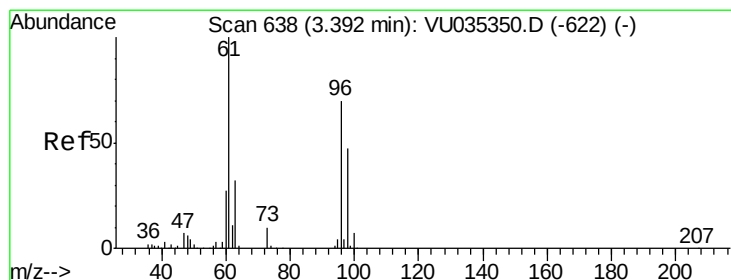
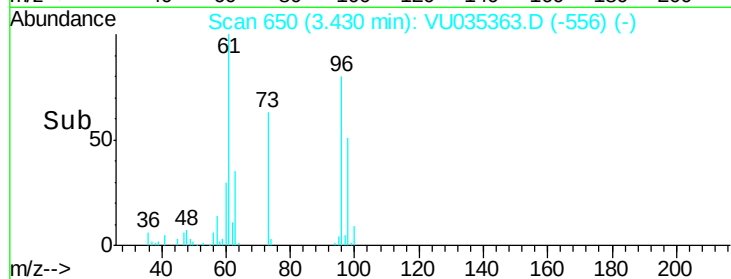
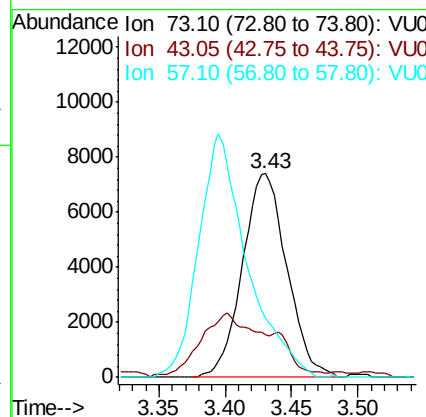
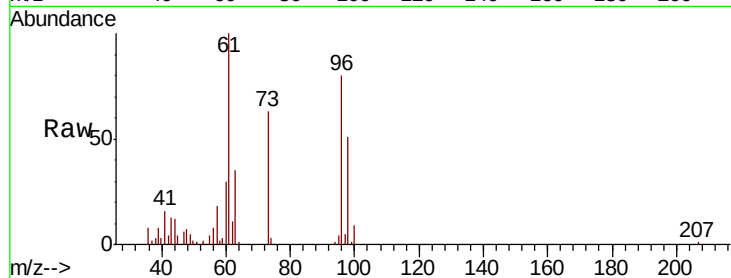




#17
Methyl tert-butyl Ether
Concen: 0.352 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035363.D
Acq: 22 Oct 2019 14:23

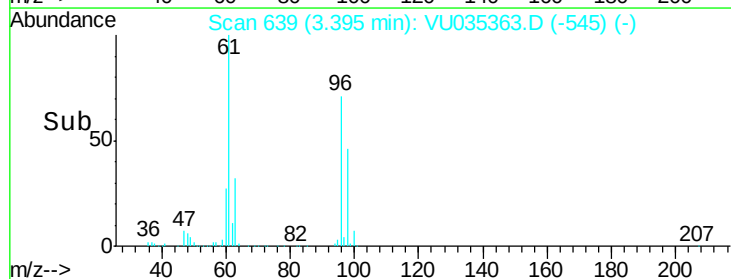
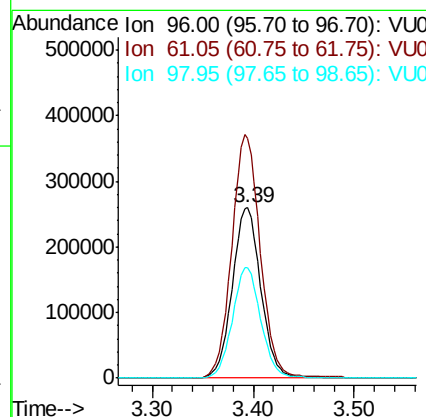
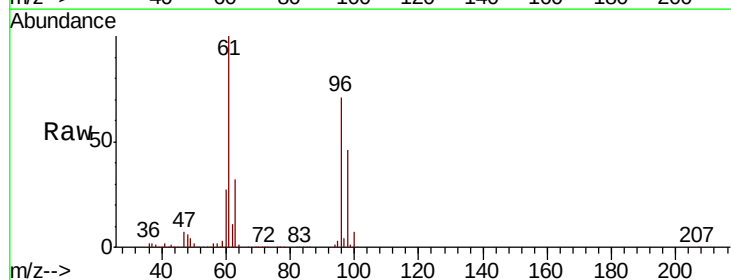
Instrument :
MSVOA_U
ClientSampleId :
H0G72

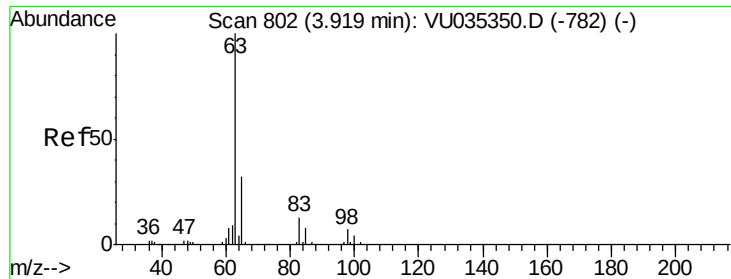
Tot Ion: 73 Resp: 17320
Ion Ratio Lower Upper
73 100
43 39.6 16.0 24.0#
57 129.6 17.4 26.2#



#18
trans-1,2-Dichloroethene
Concen: 26.057 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035363.D
Acq: 22 Oct 2019 14:23

Tgt Ion: 96 Resp: 513638
Ion Ratio Lower Upper
96 100
61 141.0 93.0 172.6
98 65.2 43.7 81.1

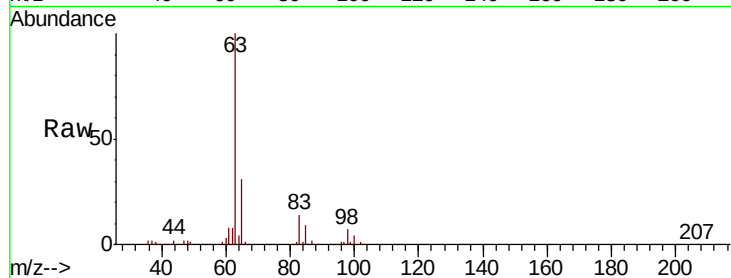




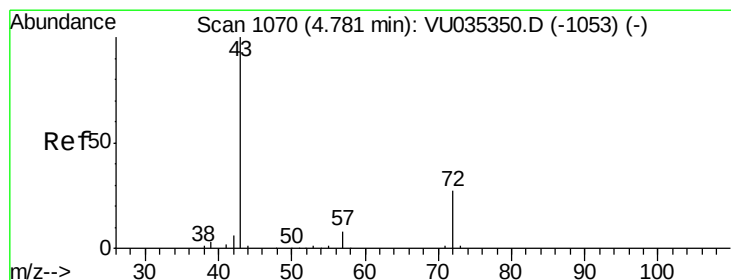
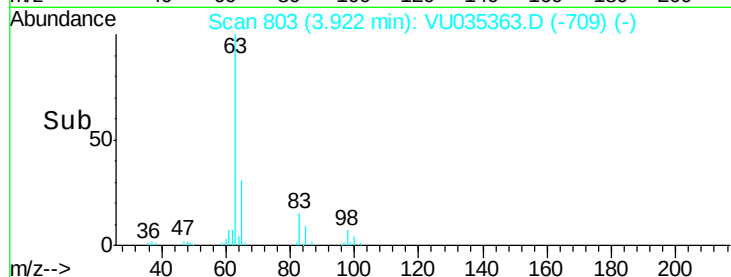
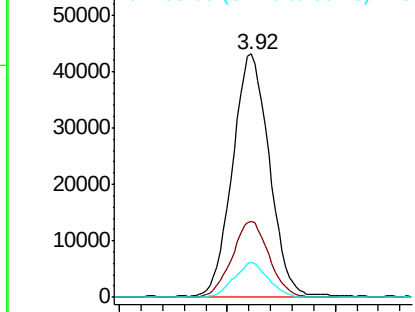
#19
 1,1-Dichloroethane
 Concen: 2.853 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035363.D
 Acq: 22 Oct 2019 14:23

Instrument :
 MSVOA_U
 ClientSampleID :
 H0G72

Tot Ion: 63 Resp: 101697
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.4 41.6
 83 14.5 9.3 17.3

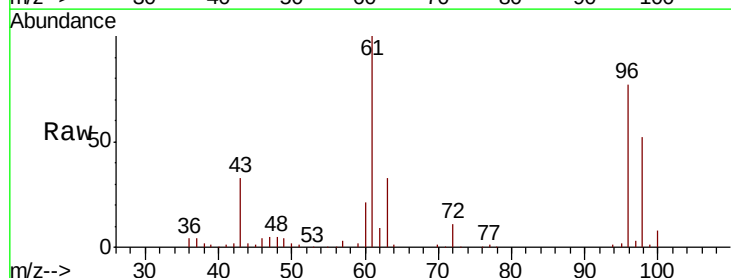


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

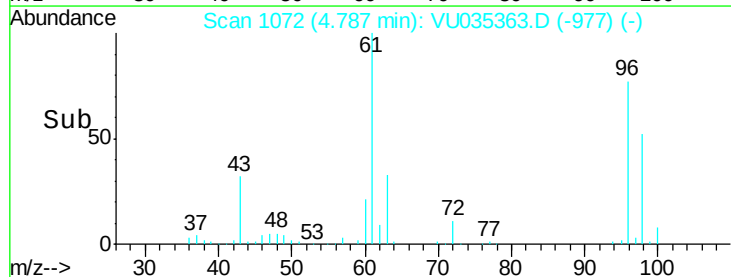
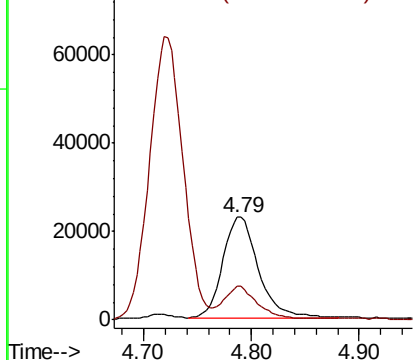


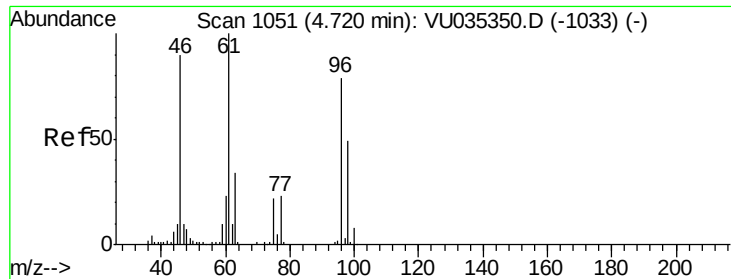
#21
 2-Butanone
 Concen: 9.353 ug/L
 RT: 4.79 min Scan# 1072
 Delta R.T. 0.01 min
 Lab File: VU035363.D
 Acq: 22 Oct 2019 14:23

Tgt Ion: 43 Resp: 52826
 Ion Ratio Lower Upper
 43 100
 72 28.3 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 740.765 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Instrument :

MSVOA_U

ClientSampled :

H0G72

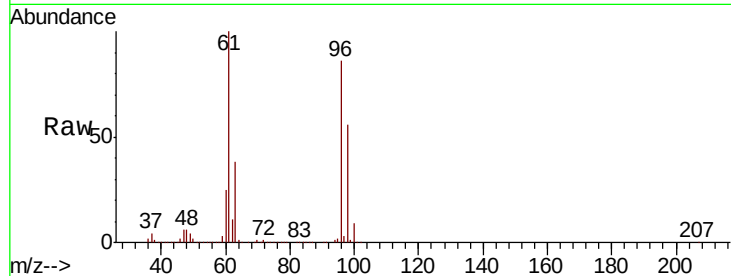
Tot Ion: 96 Resp:16139349

Ion Ratio Lower Upper

96 100

61 116.8 89.7 166.5

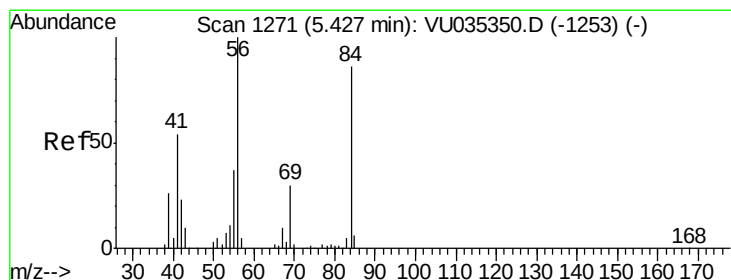
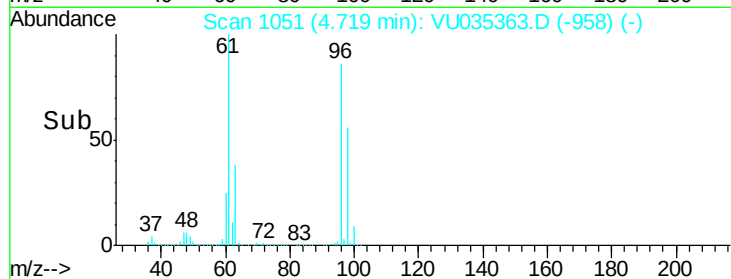
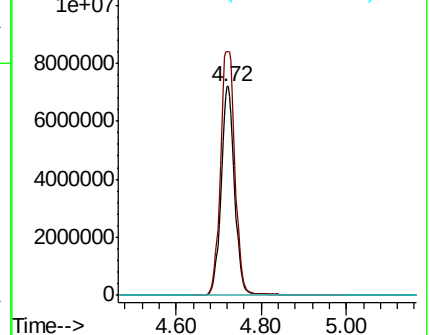
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035363.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035363.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035363.D (-958) (-)



#30

Cyclohexane

Concen: 0.646 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

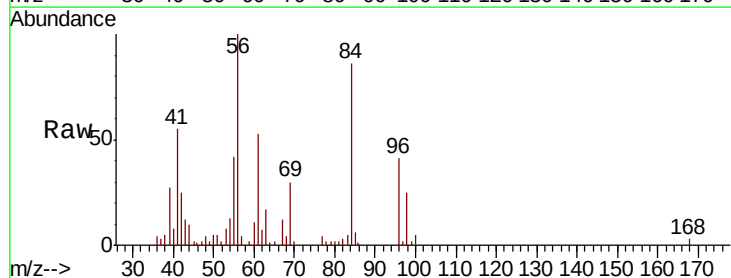
Tgt Ion: 56 Resp: 21249

Ion Ratio Lower Upper

56 100

69 35.0 24.6 36.8

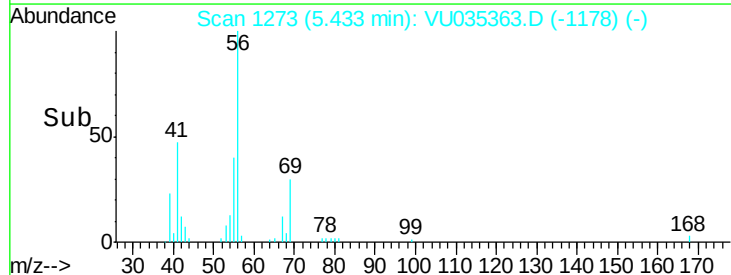
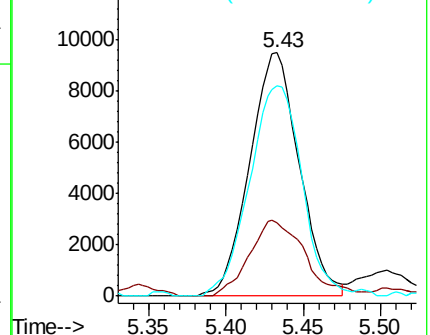
84 91.1 71.5 107.3

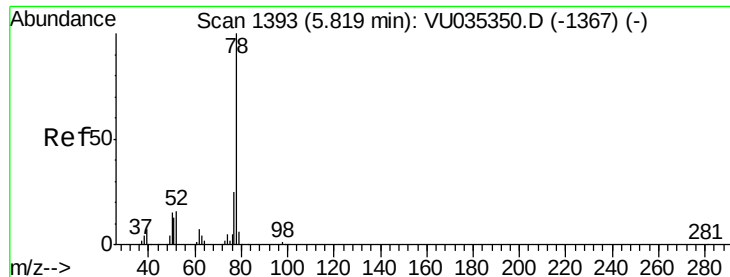


Abundance Ion 56.10 (55.80 to 56.80): VU035363.D (-1178) (-)

Ion 69.15 (68.85 to 69.85): VU035363.D (-1178) (-)

Ion 84.15 (83.85 to 84.85): VU035363.D (-1178) (-)





#33

Benzene

Concen: 1.432 ug/L

RT: 5.82 min Scan# 1394

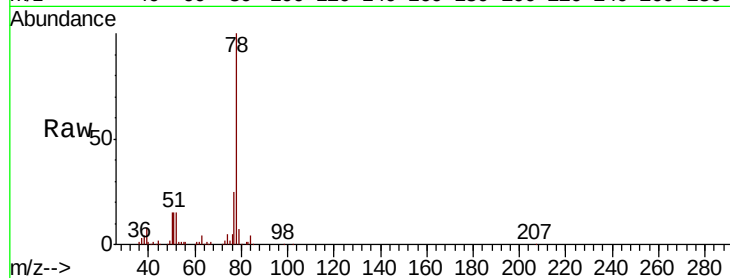
Delta R.T. 0.00 min

Lab File: VU035363.D

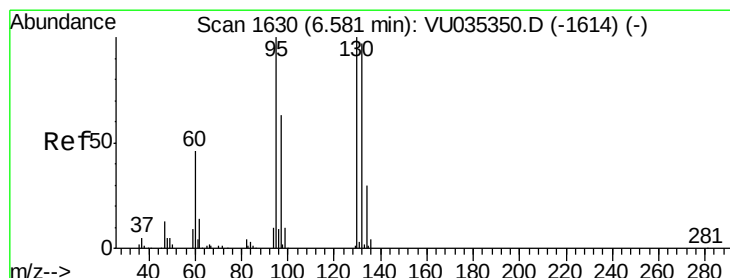
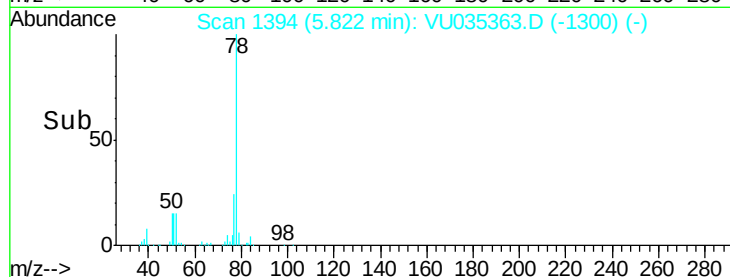
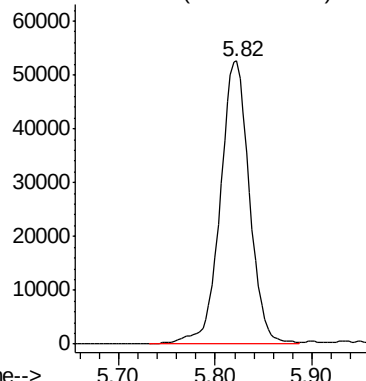
Acq: 22 Oct 2019 14:23

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Tgt Ion: 78 Resp: 110424



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 270.009 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Tgt Ion: 95 Resp: 5598935

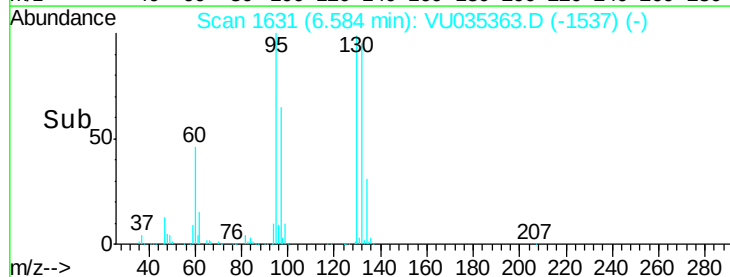
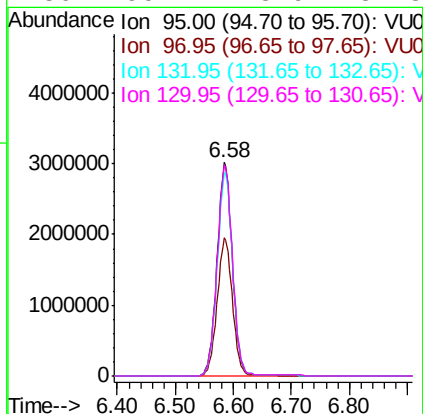
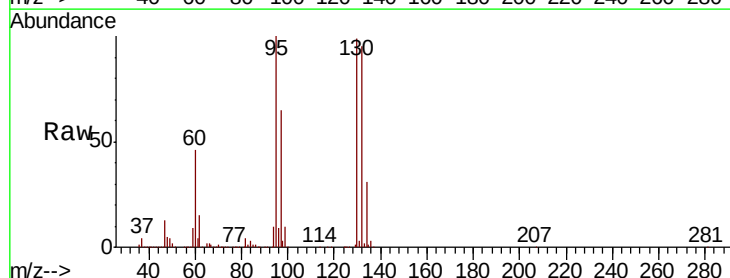
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.6	86.6
132	95.1	68.7	127.7
130	99.2	73.9	137.3

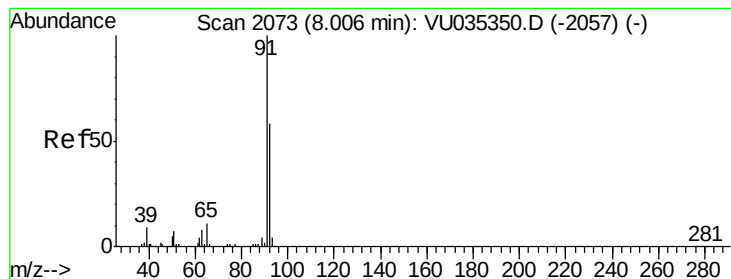
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 0.218 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035363.D

Acq: 22 Oct 2019 14:23

Instrument :

MSVOA_U

ClientSampleId :

H0G72

Tot Ion: 91 Resp: 18539

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1

