

Data File : VU035239.D
Acq On : 18 Oct 2019 03:19
Operator : JC/SP
Sample : K5419-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G56

Quant Time: Oct 18 05:40:47 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	332461	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	321437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	139091	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	110494	5.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.00%
7) Chloroethane-d5	1.93	69	92555	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.59	63	139659	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.71	46	277637	47.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.32%
24) Chloroform-d	5.11	84	176146	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.75	65	105166	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.77	84	378179	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.74	67	119885	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.93	98	352795	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.22	79	51224	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.69	63	241004	48.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100447	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	128487	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	904642	31.383 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2632	0.119 ug/L #	75
12) 1,1-Dichloroethene	2.61	96	3743	0.175 ug/L #	1
13) Acetone	2.68	43	3924	0.968 ug/L	90
18) trans-1,2-Dichloroethene	3.39	96	73456	3.187 ug/L	97
19) 1,1-Dichloroethane	3.92	63	176770	4.241 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	282290	11.080 ug/L	98
25) Chloroform	5.14	83	11065	0.242 ug/L	95
30) Cyclohexane	5.43	56	6624	0.164 ug/L	97
33) Benzene	5.82	78	69833	0.738 ug/L	100
34) Trichloroethene	6.58	95	2845	0.112 ug/L	81
35) Methylcyclohexane	6.79	83	4823	0.113 ug/L	94
39) cis-1,3-Dichloropropene	7.61	75	3398	0.085 ug/L #	22
42) Toluene	8.01	91	63303	0.606 ug/L	96
48) 2-Hexanone	8.74	43	14154	1.245 ug/L #	87
52) Ethylbenzene	9.60	91	22030	0.186 ug/L	99
59) 1,2,3-Trichloropropane	11.84	75	17865	1.068 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Quantitation Report (Not Reviewed)

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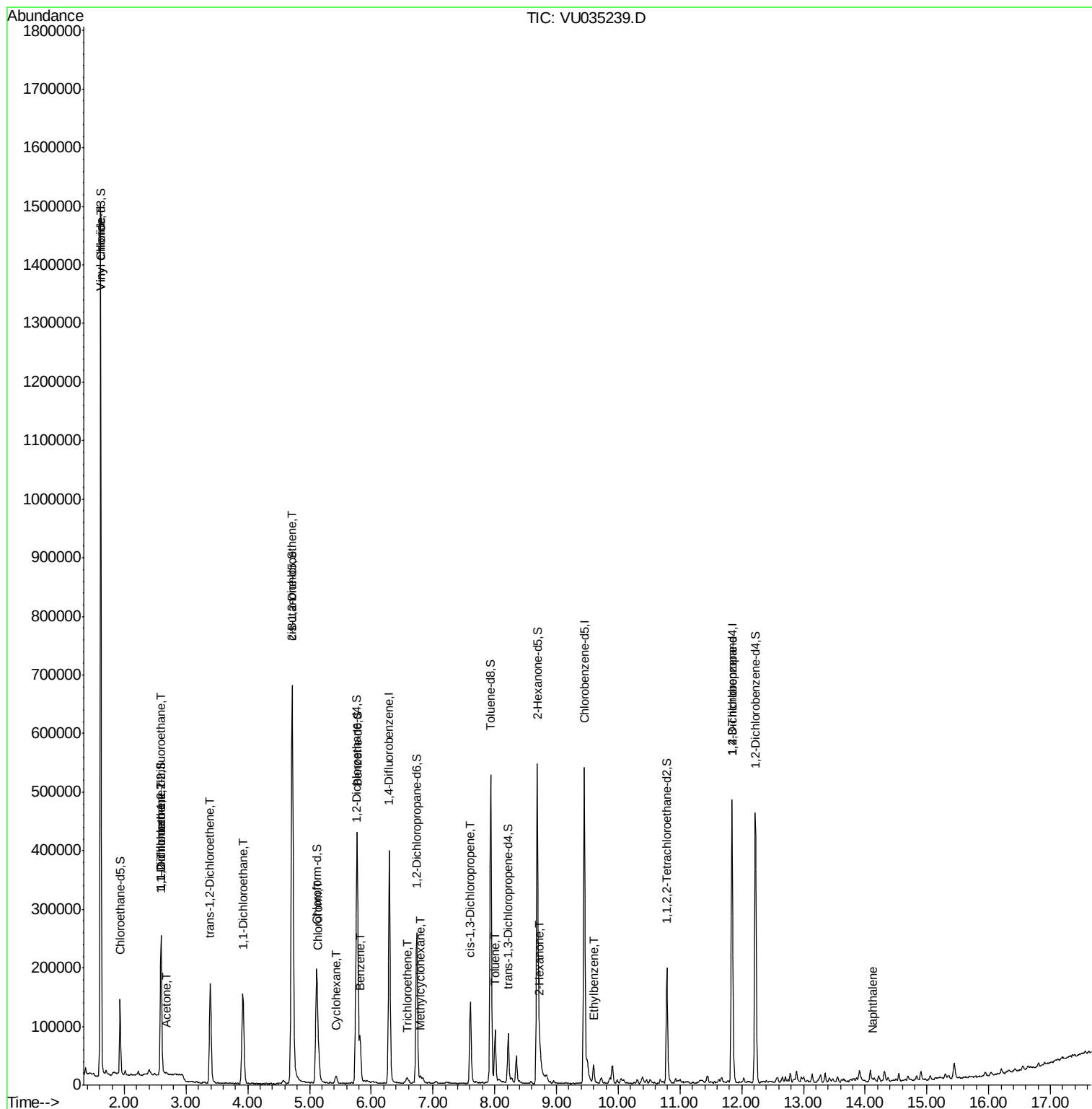
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	14.12	128	2980	0.111	ug/L #	85

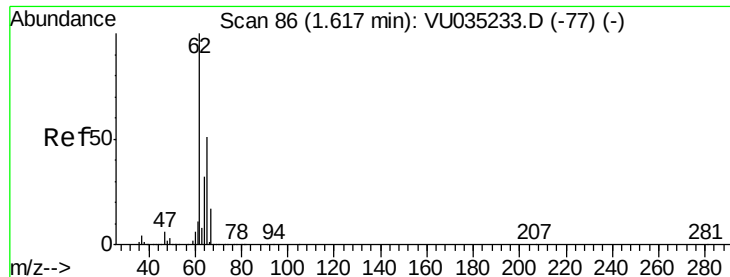
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 31.383 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

Instrument :

MSVOA_U

ClientSampleId :

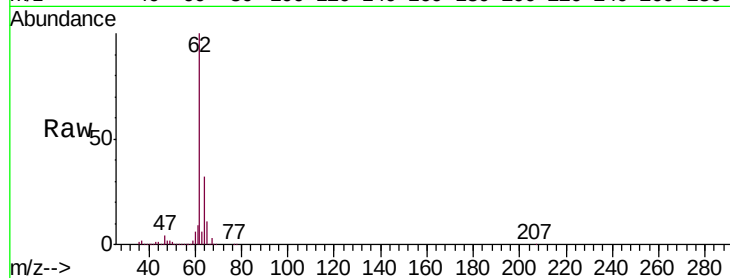
H0G56

Tgt Ion: 62 Resp: 904642

Ion Ratio Lower Upper

62 100

64 31.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035239.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035239.D (-1) (-)

1.62

800000

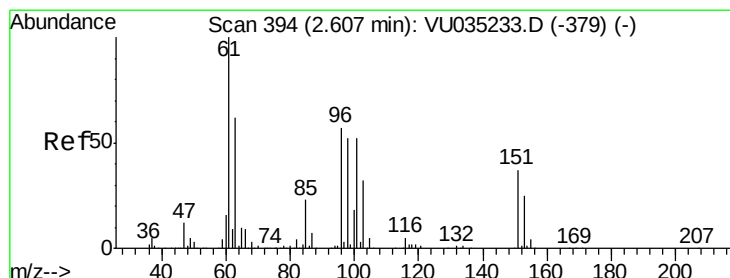
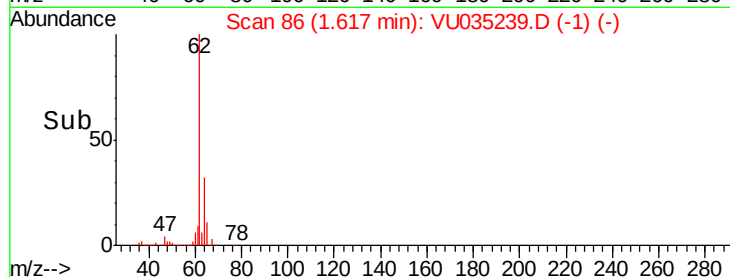
600000

400000

200000

0

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.119 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

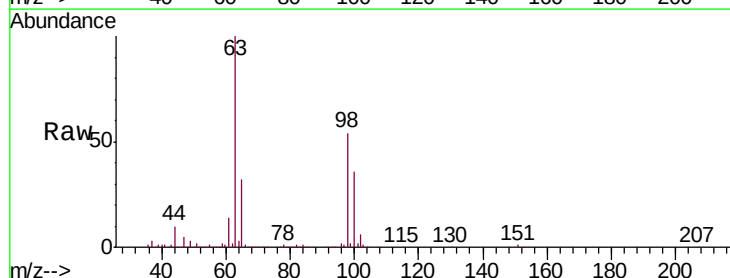
Tgt Ion: 101 Resp: 2632

Ion Ratio Lower Upper

101 100

85 32.1 33.9 50.9#

151 50.2 61.0 91.4#



Abundance Ion 101.00 (100.70 to 101.70): VU035239.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU035239.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU035239.D (-301) (-)

2.60

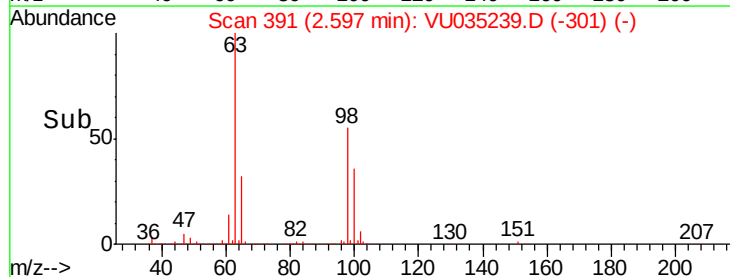
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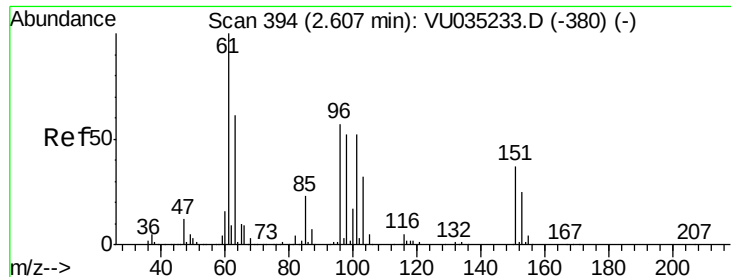
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500

0

Time-->

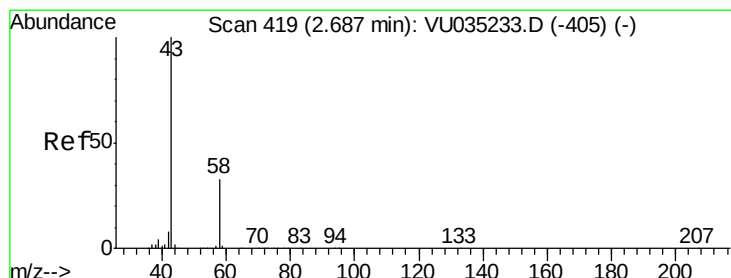
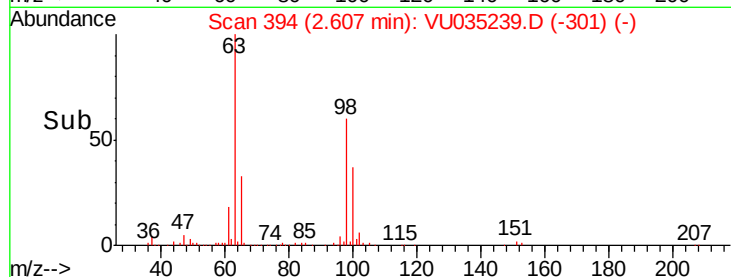
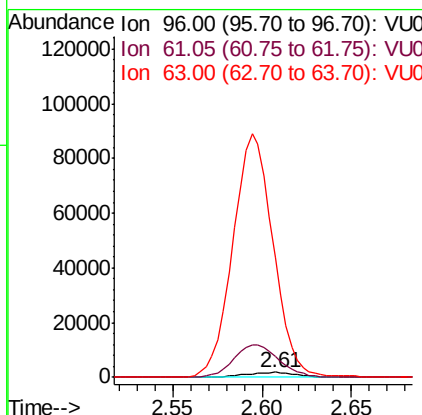
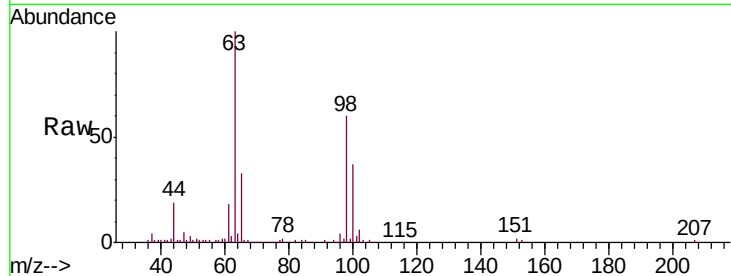




#12
 1,1-Dichloroethene
 Concen: 0.175 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU035239.D
 Acq: 18 Oct 2019 03:19

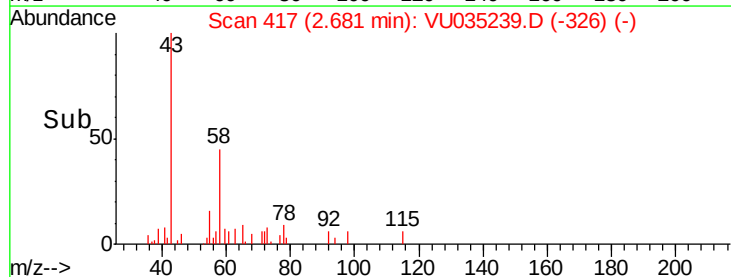
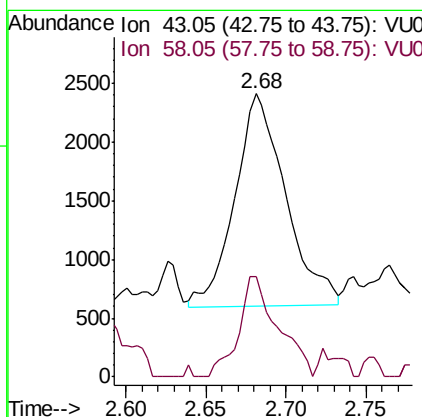
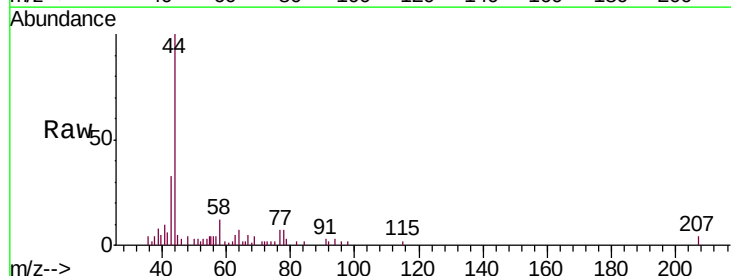
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G56

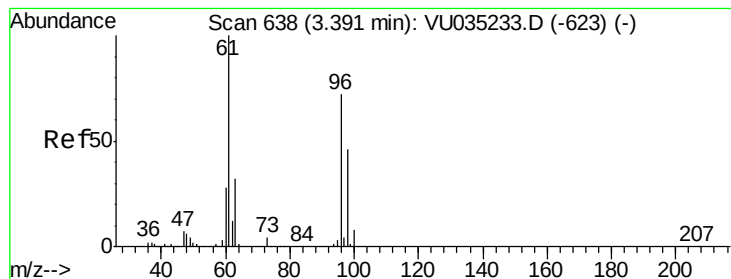
Tgt Ion: 96 Resp: 3743
 Ion Ratio Lower Upper
 96 100
 61 425.8 120.6 224.0#
 63 2420.9 86.8 161.2#



#13
 Acetone
 Concen: 0.968 ug/L
 RT: 2.68 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: VU035239.D
 Acq: 18 Oct 2019 03:19

Tgt Ion: 43 Resp: 3924
 Ion Ratio Lower Upper
 43 100
 58 36.3 0.0 61.8





#18

trans-1,2-Dichloroethene

Concen: 3.187 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

Instrument :

MSVOA_U

ClientSampleId :

H0G56

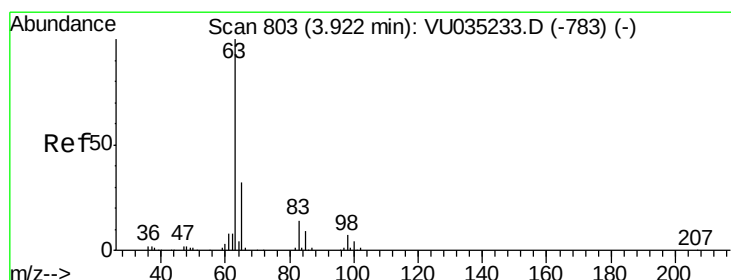
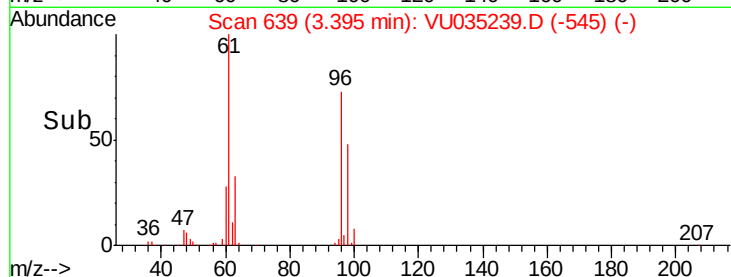
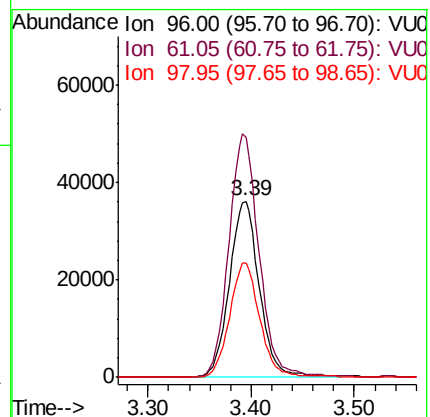
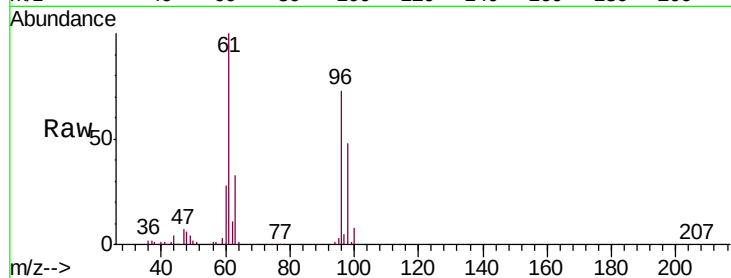
Tgt Ion: 96 Resp: 73456

Ion Ratio Lower Upper

96 100

61 136.3 93.0 172.6

98 65.0 43.7 81.1



#19

1,1-Dichloroethane

Concen: 4.241 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

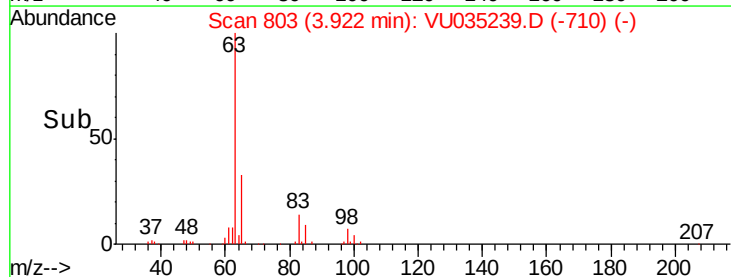
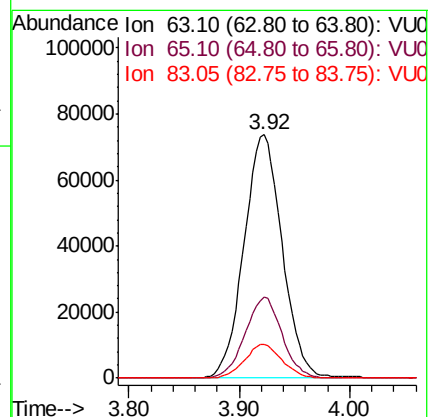
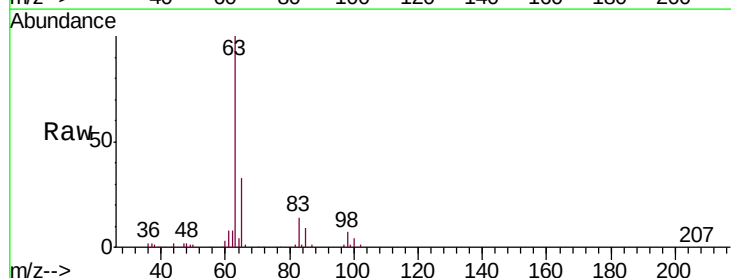
Tgt Ion: 63 Resp: 176770

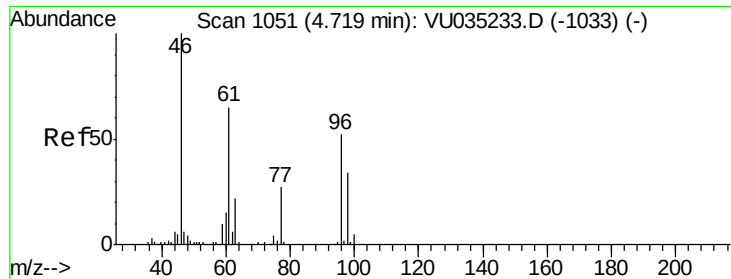
Ion Ratio Lower Upper

63 100

65 33.3 22.4 41.6

83 13.9 9.3 17.3

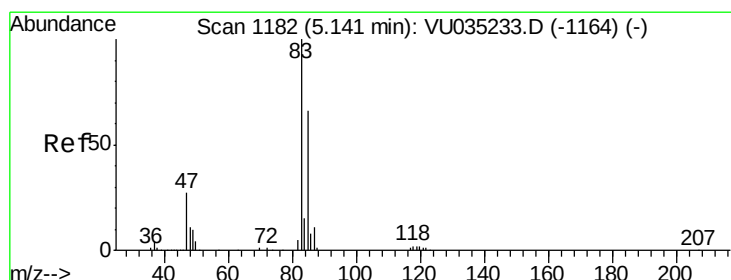
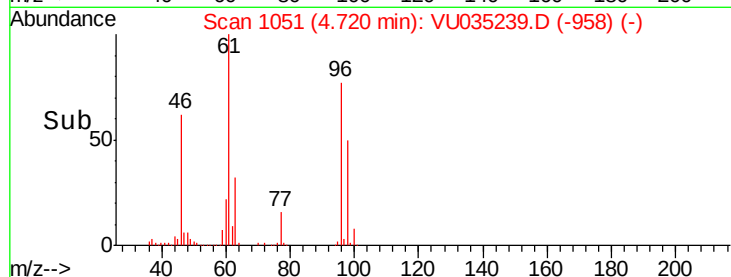
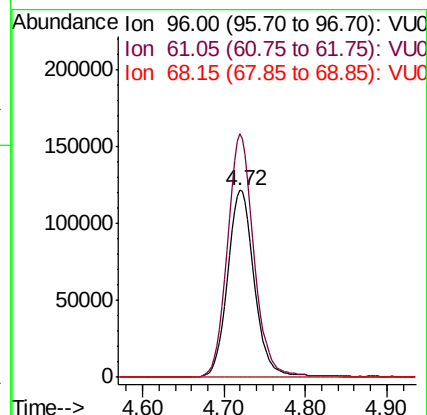
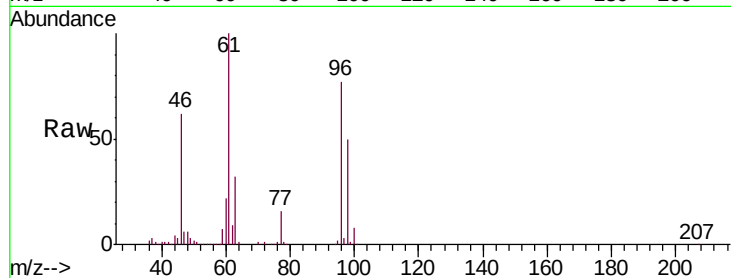




#22
 cis-1,2-Dichloroethene
 Concen: 11.080 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035239.D
 Acq: 18 Oct 2019 03:19

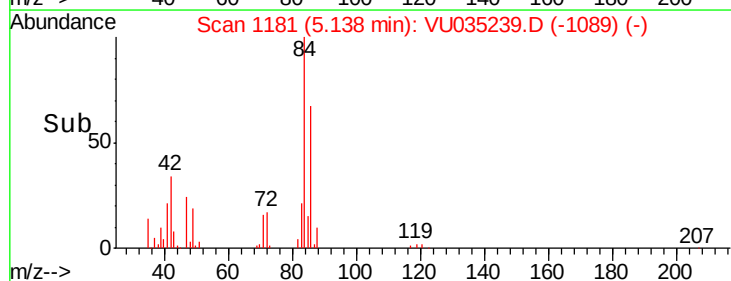
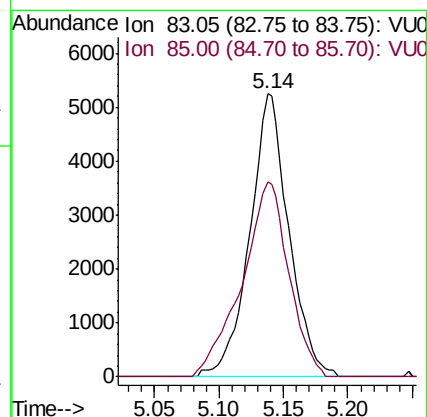
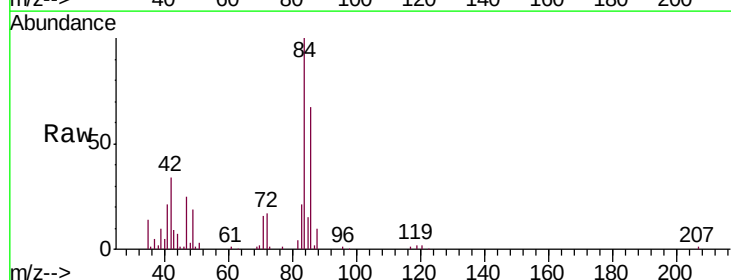
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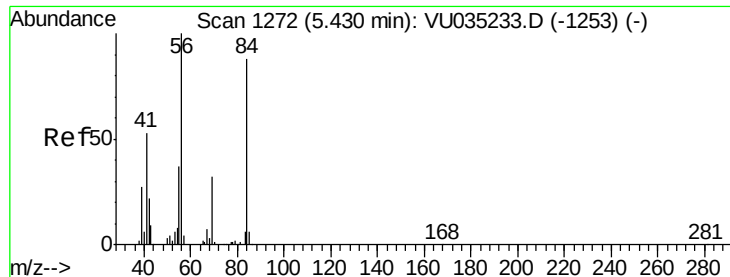
Tgt Ion: 96 Resp: 282290
 Ion Ratio Lower Upper
 96 100
 61 130.2 89.7 166.5
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.242 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU035239.D
 Acq: 18 Oct 2019 03:19

Tgt Ion: 83 Resp: 11065
 Ion Ratio Lower Upper
 83 100
 85 68.8 45.1 83.9

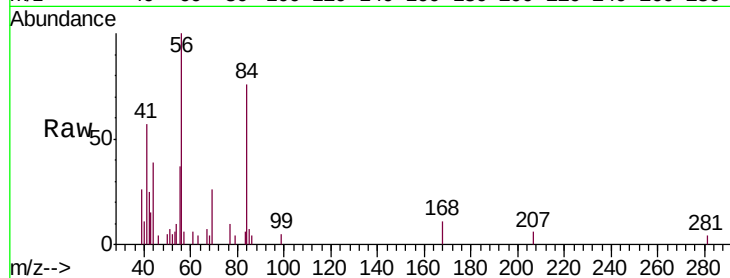




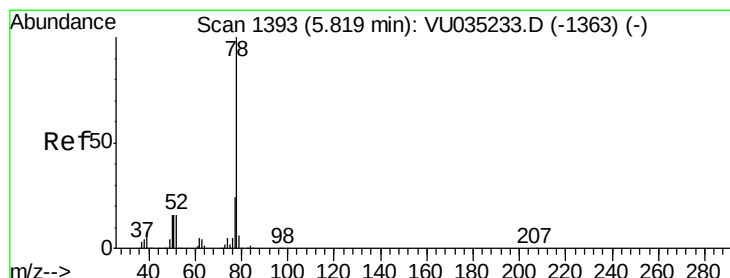
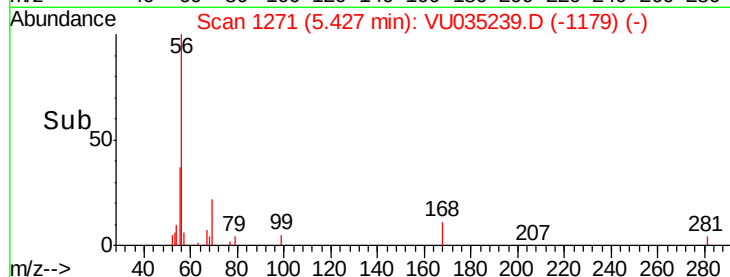
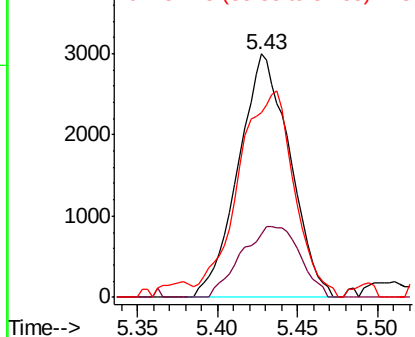
#30
Cyclohexane
Concen: 0.164 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU035239.D
Acq: 18 Oct 2019 03:19

Instrument :
MSVOA_U
ClientSampleId :
H0G56

Tgt Ion: 56 Resp: 6624
Ion Ratio Lower Upper
56 100
69 33.1 24.6 36.8
84 91.9 71.5 107.3

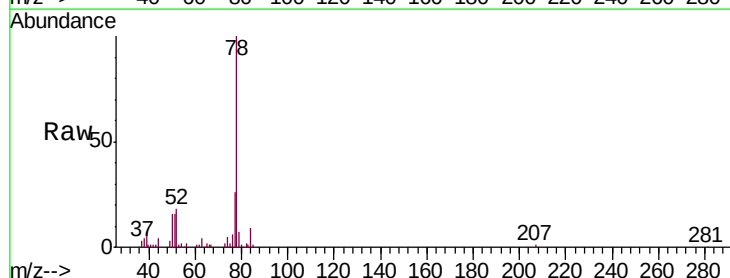


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

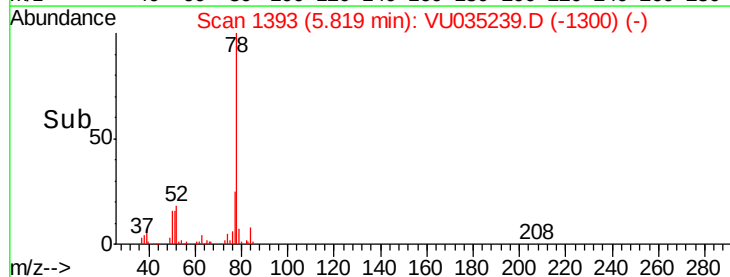
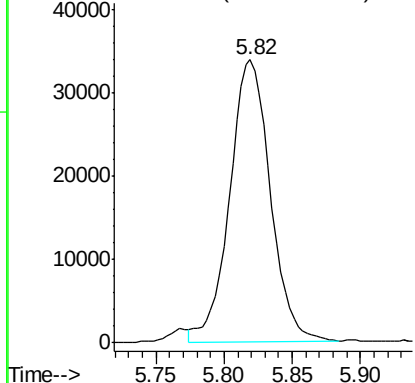


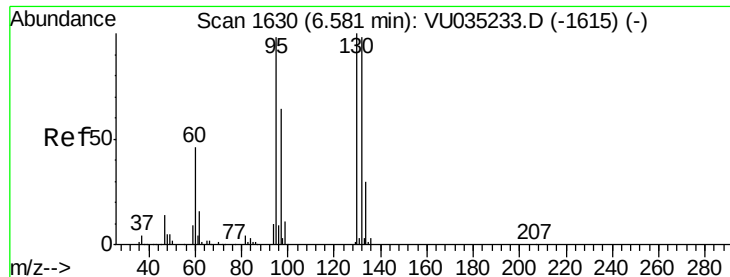
#33
Benzene
Concen: 0.738 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035239.D
Acq: 18 Oct 2019 03:19

Tgt Ion: 78 Resp: 69833



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.112 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 2845

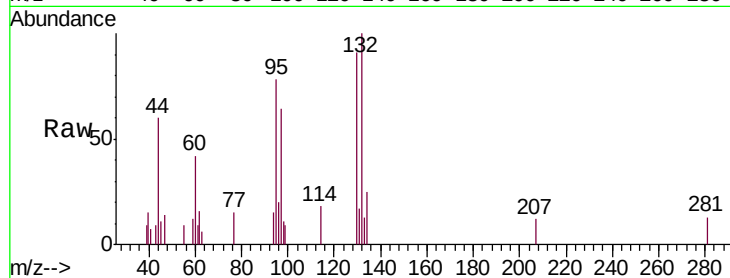
Ion Ratio Lower Upper

95 100

97 81.1 46.6 86.6

132 127.4 68.7 127.7

130 116.1 73.9 137.3

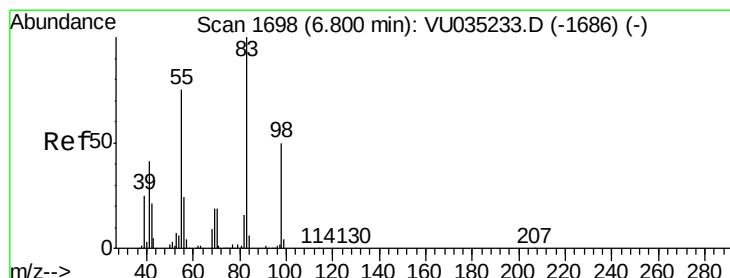
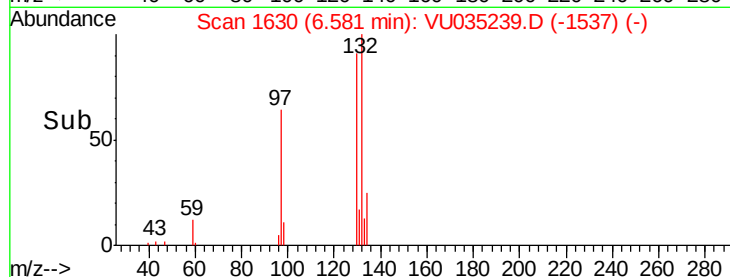
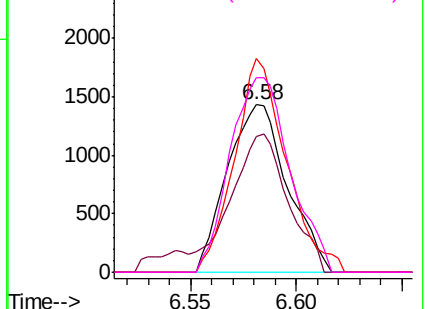


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.113 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.01 min

Lab File: VU035239.D

Acq: 18 Oct 2019 03:19

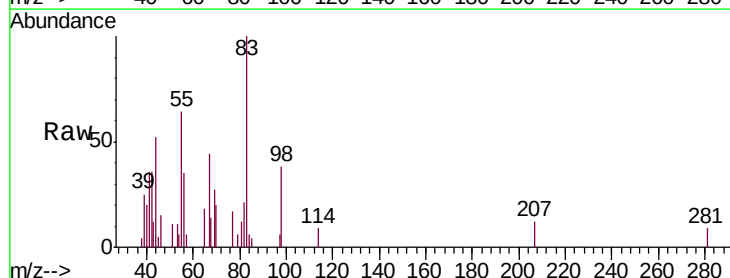
Tgt Ion: 83 Resp: 4823

Ion Ratio Lower Upper

83 100

55 76.8 60.4 90.6

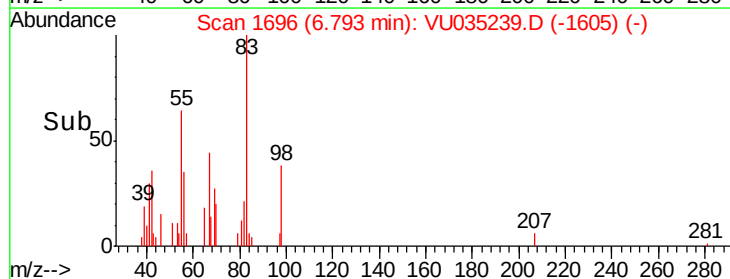
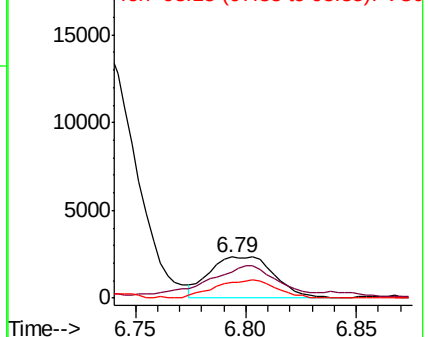
98 40.9 39.5 59.3

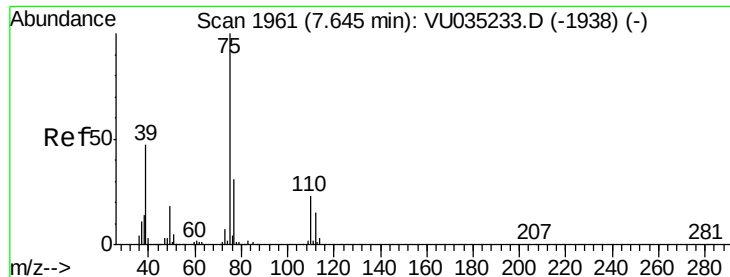


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

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ClientSampleId :

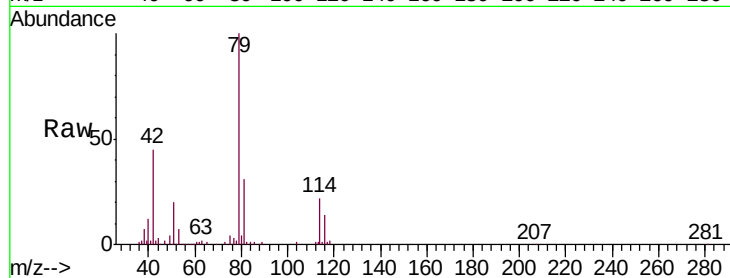
H0G56

Tgt Ion: 75 Resp: 3398

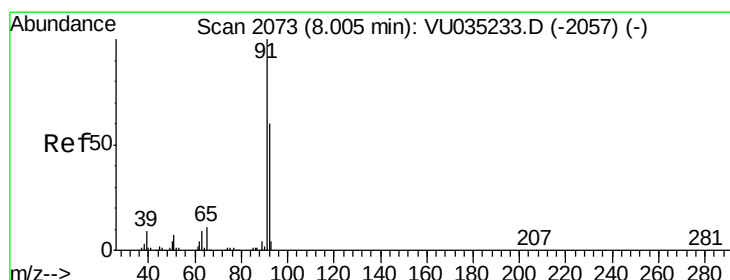
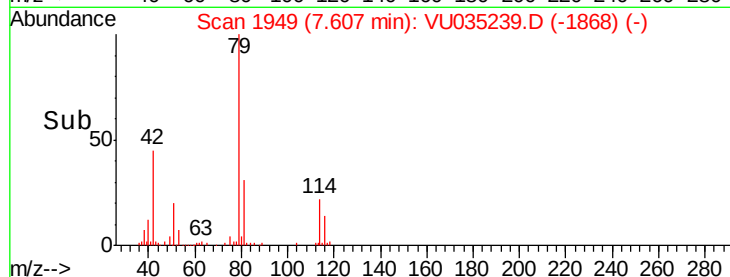
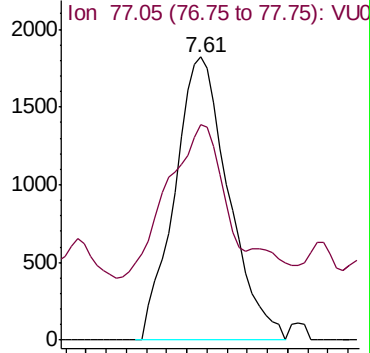
Ion Ratio Lower Upper

75 100

77 76.0 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035233.D (-1938) (-)



#42

Toluene

Concen: 0.606 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035239.D

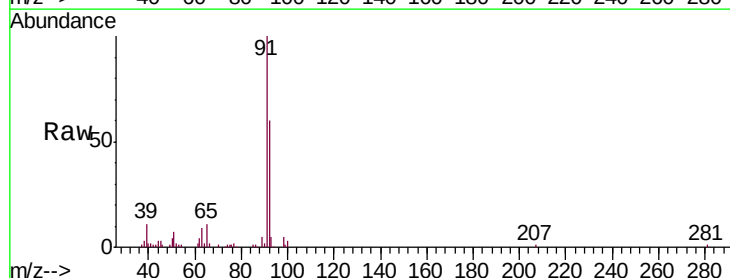
Acq: 18 Oct 2019 03:19

Tgt Ion: 91 Resp: 63303

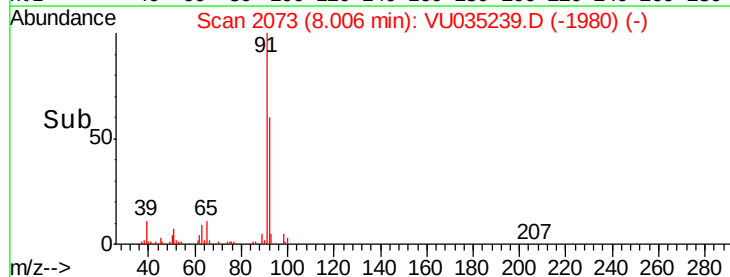
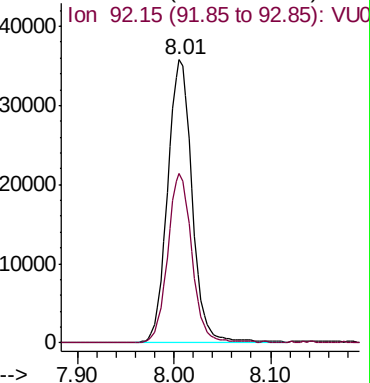
Ion Ratio Lower Upper

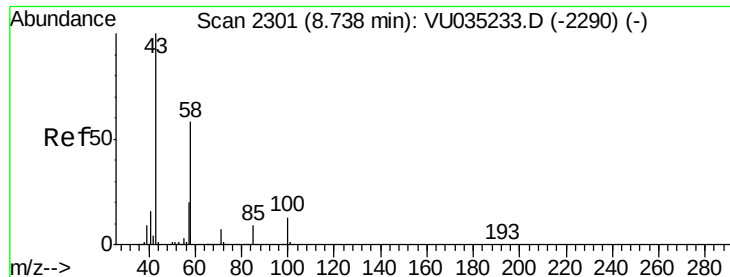
91 100

92 59.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035233.D (-2057) (-)

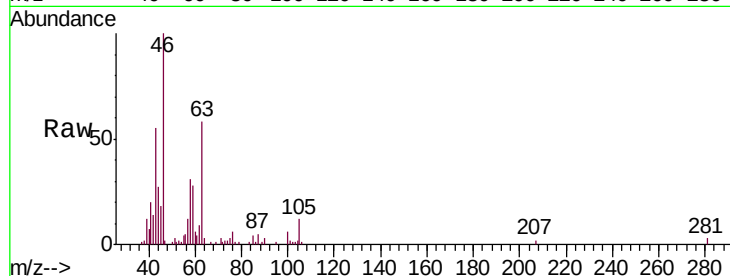




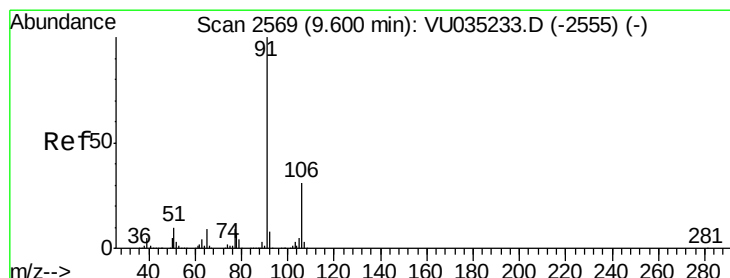
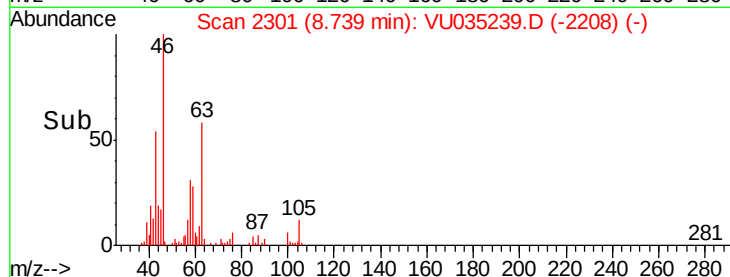
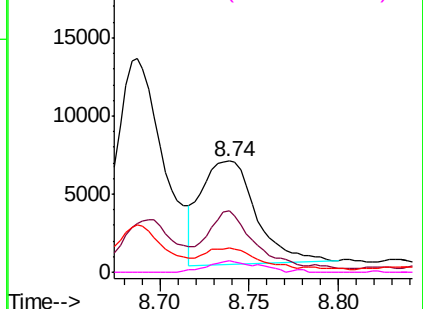
#48
2-Hexanone
Concen: 1.245 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VU035239.D
Acq: 18 Oct 2019 03:19

Instrument :
MSVOA_U
ClientSampleId :
H0G56

Tgt Ion:	43	Resp:	14154
Ion	Ratio	Lower	Upper
43	100		
58	43.4	45.1	67.7#
57	19.5	16.0	24.0
100	10.0	10.4	15.6#

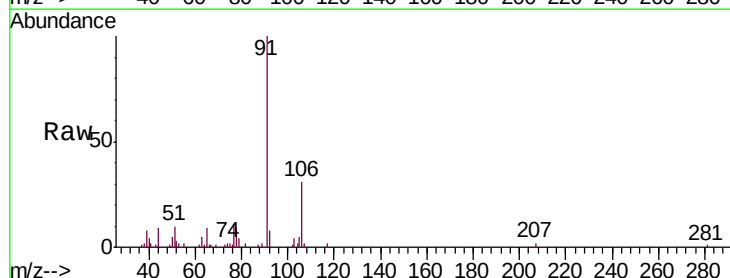


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

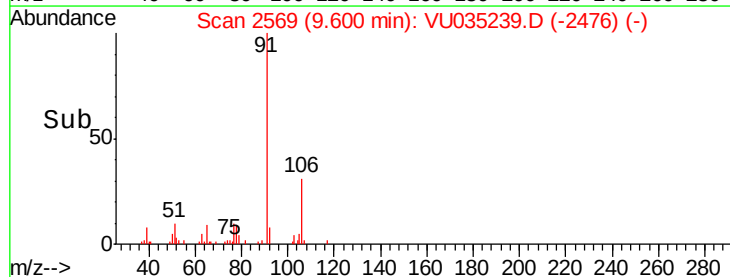
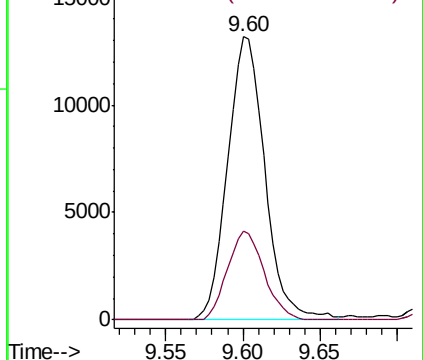


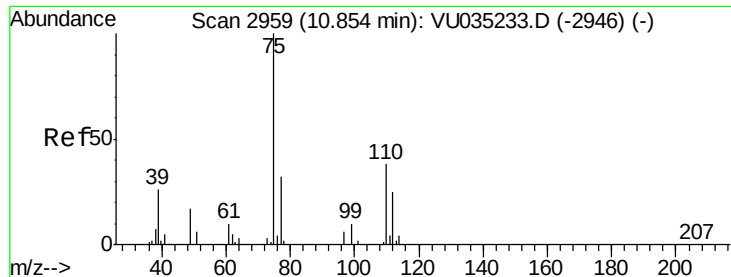
#52
Ethylbenzene
Concen: 0.186 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU035239.D
Acq: 18 Oct 2019 03:19

Tgt Ion:	91	Resp:	22030
Ion	Ratio	Lower	Upper
91	100		
106	31.2	21.3	39.6



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): VU0

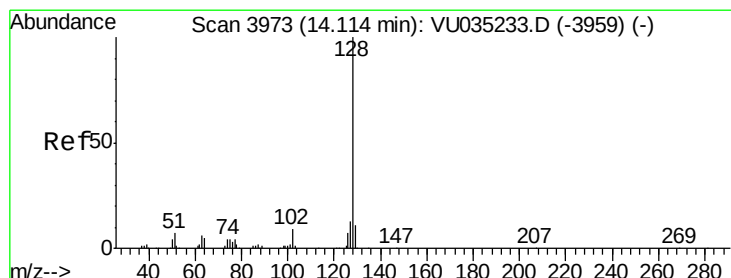
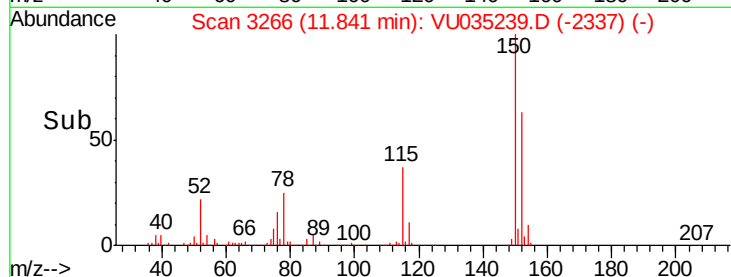
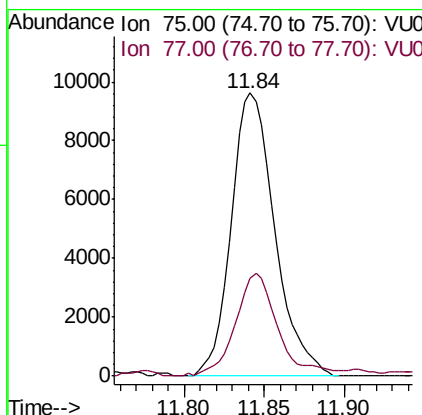
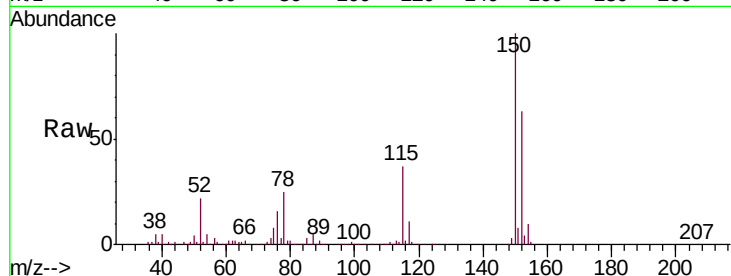




#59
 1,2,3-Trichloropropane
 Concen: 1.068 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035239.D
 Acq: 18 Oct 2019 03:19

Instrument :
 MSVOA_U
 ClientSampled :
 H0G56

Tgt Ion: 75 Resp: 17865
 Ion Ratio Lower Upper
 75 100
 77 35.6 26.2 39.2



#69
 Naphthalene
 Concen: 0.111 ug/L
 RT: 14.12 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VU035239.D
 Acq: 18 Oct 2019 03:19

Tgt Ion: 128 Resp: 2980
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.6 13.0#
 127 11.5 10.7 16.1

