

Data File : VU035839.D
Acq On : 25 Nov 2019 21:45
Operator : JC/SP
Sample : K5992-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARF1

Quant Time: Nov 26 01:08:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	269268	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	292732	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	97300	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	442148	12.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	251.40%#
7) Chloroethane-d5	1.93	69	125698	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	2.61	63	2781529	42.54	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	850.80%#
20) 2-Butanone-d5	4.71	46	572029	70.27	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.54%#
24) Chloroform-d	5.11	84	263291	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.75	65	155247	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.77	84	515219	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.74	67	196109	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.93	98	449346	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.21	79	72374	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.68	63	389926	66.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.50%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	154174	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	109591	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

						Qvalue
3) Chloromethane	1.62	50	234715	5.225	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	11792	0.398	ug/L #	38
12) 1,1-Dichloroethene	2.61	96	4363983	155.762	ug/L #	70
13) Acetone	2.67	43	8635	1.208	ug/L	95
16) Methylene chloride	3.08	84	2468	0.073	ug/L	81
18) trans-1,2-Dichloroethene	3.39	96	988138	35.817	ug/L	97
19) 1,1-Dichloroethane	3.92	63	36074	0.582	ug/L	98
25) Chloroform	5.14	83	46031	0.763	ug/L	97
27) 1,2-Dichloroethane	5.84	62	13177	0.332	ug/L #	95
30) Cyclohexane	5.43	56	29008	0.628	ug/L	98
33) Benzene	5.82	78	85875	0.703	ug/L	100
35) Methylcyclohexane	6.63	83	3198934	72.757	ug/L #	1
37) 1,2-Dichloropropane	6.62	63	880861	25.417	ug/L #	90
42) Toluene	8.00	91	11628	0.091	ug/L	91
45) 1,1,2-Trichloroethane	8.44	97	38466	1.703	ug/L	94
47) Tetrachloroethene	8.58	164	153573	6.736	ug/L	98
48) 2-Hexanone	8.68	43	57625	3.679	ug/L #	67

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112519\
Quantitation Report (Not Reviewed)

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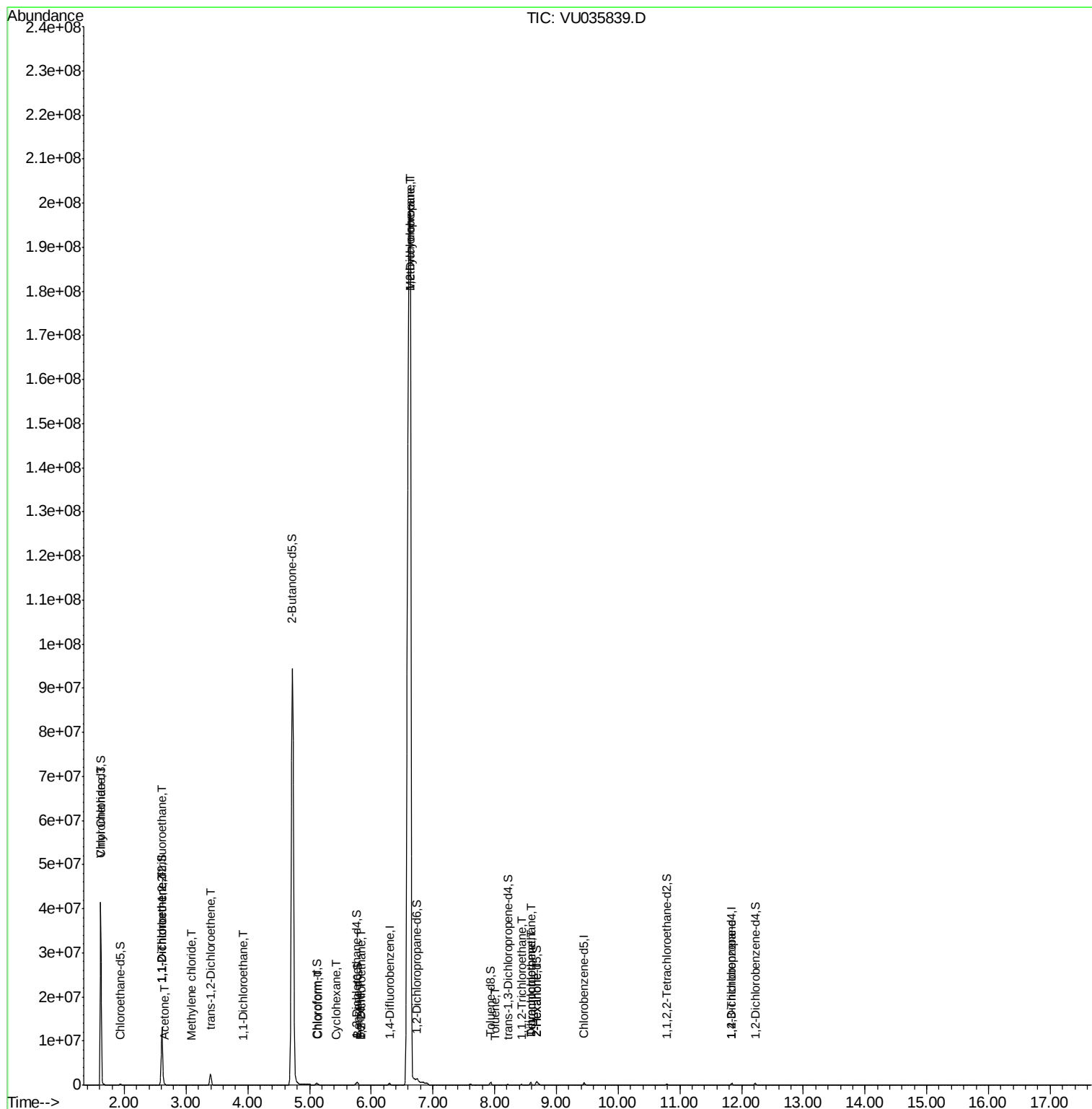
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.58	129	147746	5.546	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	12463	0.553	ug/L	91

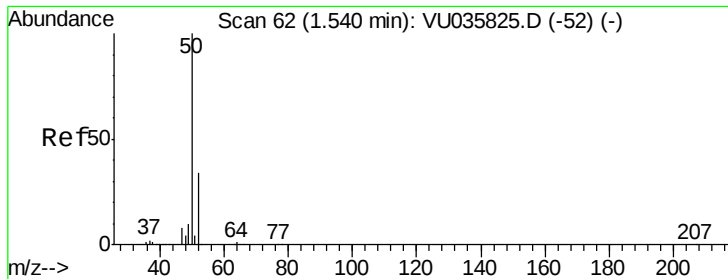
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 5.225 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.08 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

Instrument :

MSVOA_U

ClientSampleId :

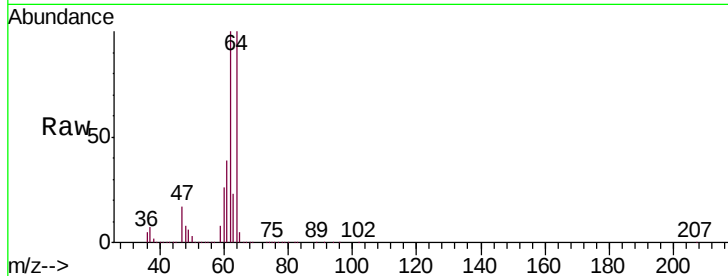
GARF1

Tgt Ion: 50 Resp: 234715

Ion Ratio Lower Upper

50 100

52 0.8 22.7 42.3#



Abundance Ion 50.05 (49.75 to 50.75): VU035839.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035839.D (-1) (-)

250000

200000

150000

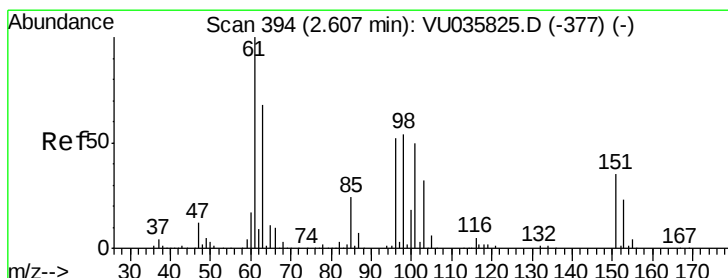
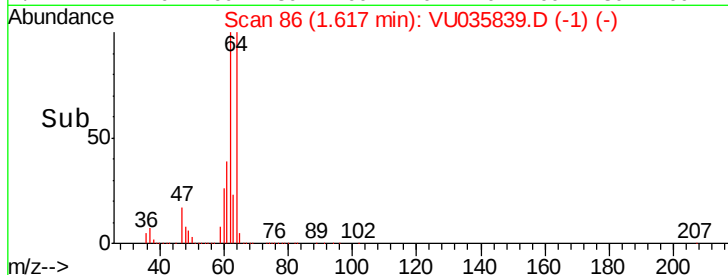
100000

50000

0

1.55 1.60 1.65 1.70 1.75

Time-->



#10

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

Concen: 0.398 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

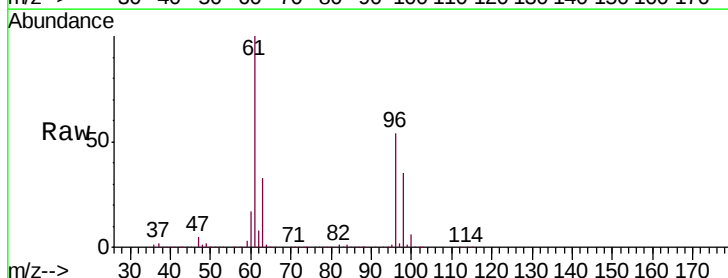
Tgt Ion: 101 Resp: 11792

Ion Ratio Lower Upper

101 100

85 24.0 38.1 57.1#

151 0.0 52.0 78.0#



Abundance Ion 101.00 (100.70 to 101.70): VU035839.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU035839.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU035839.D (-301) (-)

8000

6000

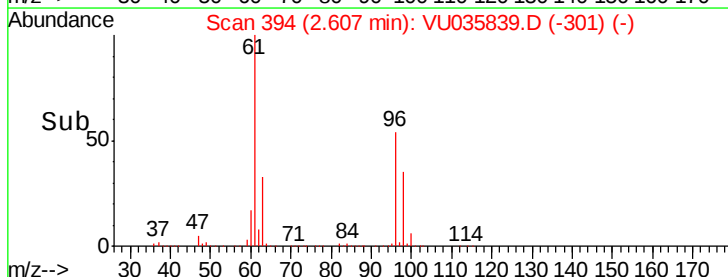
4000

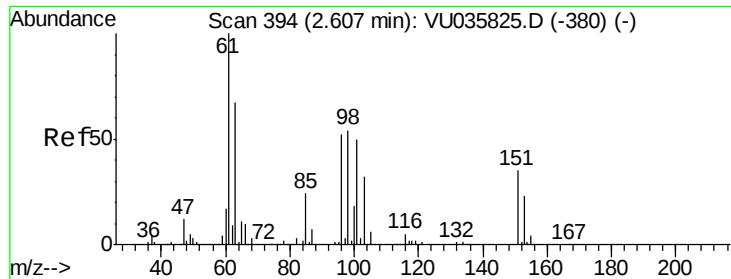
2000

0

2.55 2.60 2.65 2.70

Time-->





#12

1,1-Dichloroethene

Concen: 155.762 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

Instrument :

MSVOA_U

ClientSampleId :

GARF1

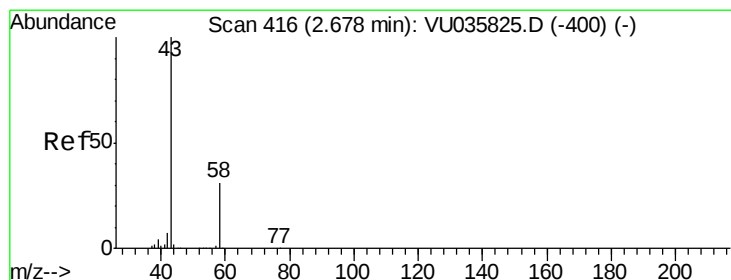
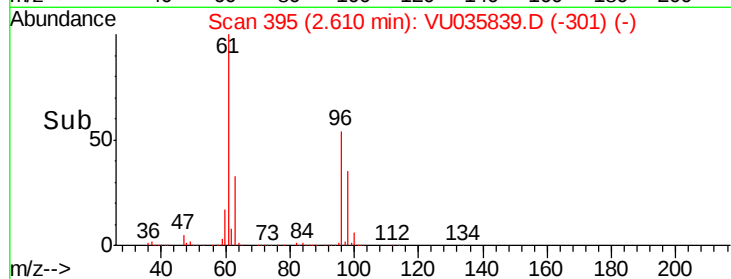
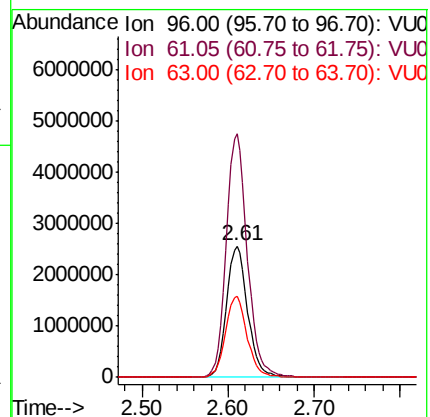
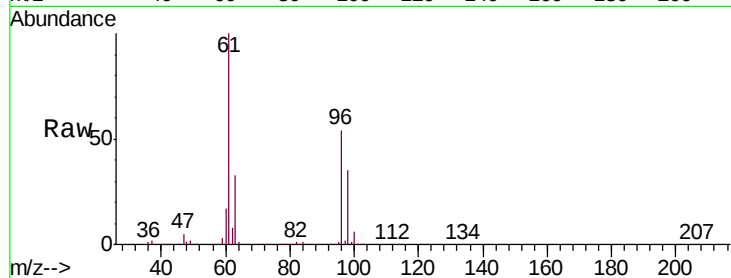
Tgt Ion: 96 Resp: 4363983

Ion Ratio Lower Upper

96 100

61 185.1 139.3 258.7

63 61.4 93.7 174.1#



#13

Acetone

Concen: 1.208 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035839.D

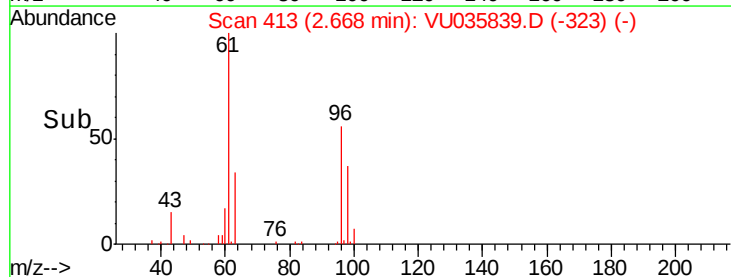
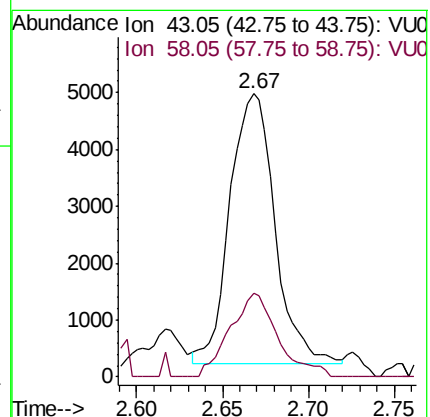
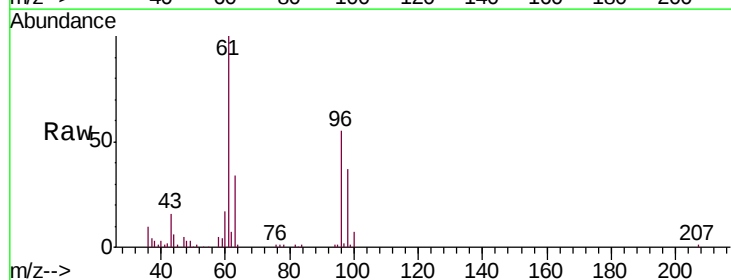
Acq: 25 Nov 2019 21:45

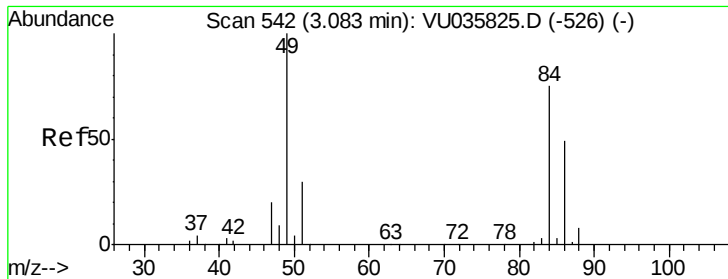
Tgt Ion: 43 Resp: 8635

Ion Ratio Lower Upper

43 100

58 33.1 0.0 61.2

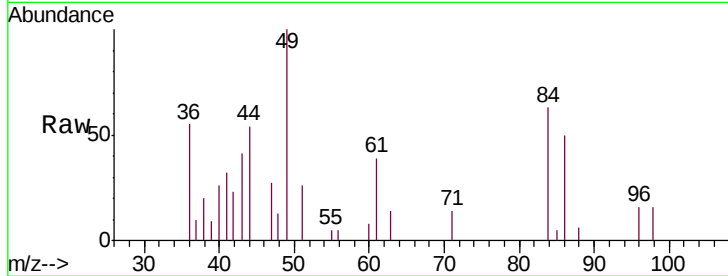




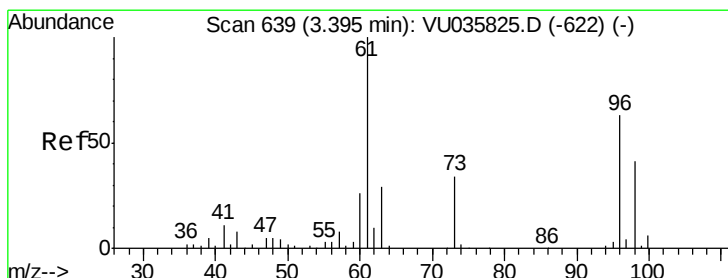
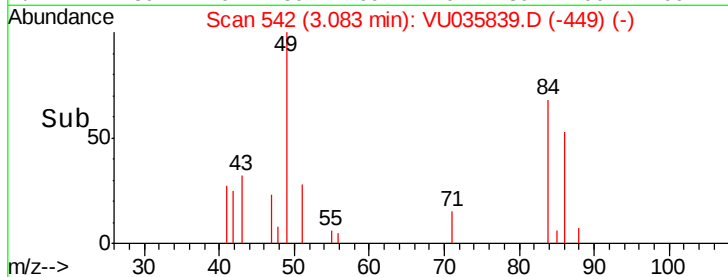
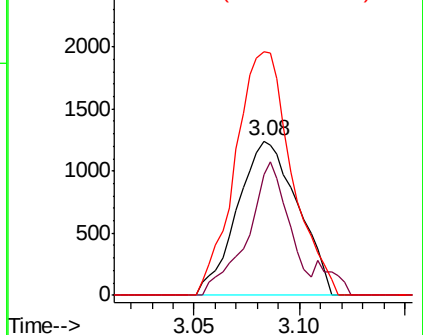
#16
Methylene chloride
Concen: 0.073 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035839.D
Acq: 25 Nov 2019 21:45

Instrument :
MSVOA_U
ClientSampled :
GARF1

Tgt Ion: 84 Resp: 2468
Ion Ratio Lower Upper
84 100
86 78.4 44.4 82.5
49 157.6 94.0 174.6

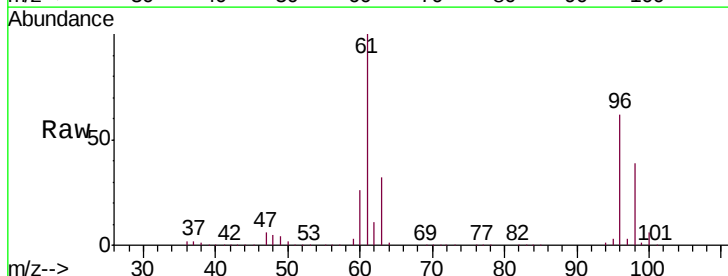


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

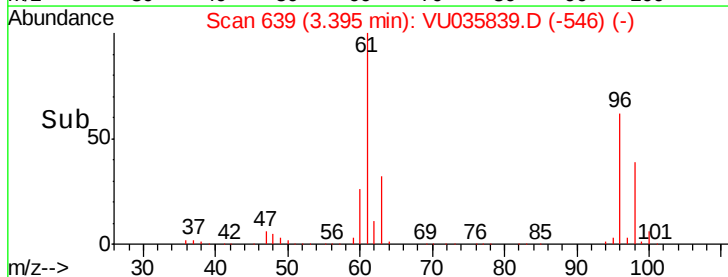
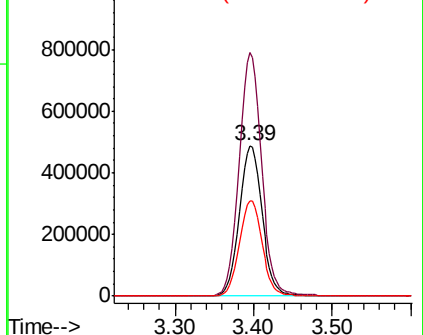


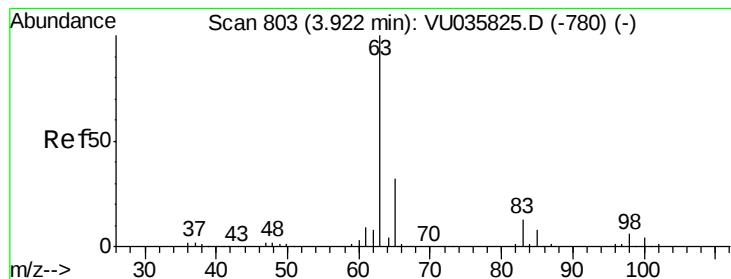
#18
trans-1,2-Dichloroethene
Concen: 35.817 ug/L
RT: 3.39 min Scan# 639
Delta R.T. -0.00 min
Lab File: VU035839.D
Acq: 25 Nov 2019 21:45

Tgt Ion: 96 Resp: 988138
Ion Ratio Lower Upper
96 100
61 162.1 111.1 206.3
98 63.5 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.582 ug/L

RT: 3.92 min Scan# 803

Delta R.T. -0.00 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

Instrument :

MSVOA_U

ClientSampleId :

GARF1

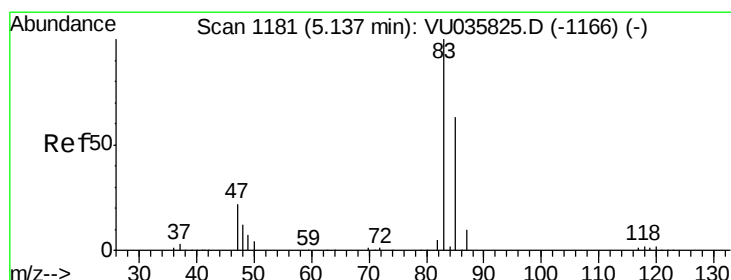
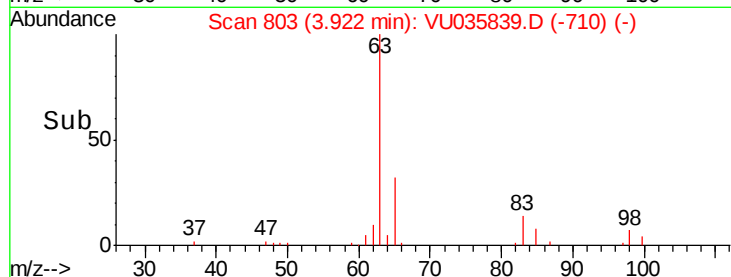
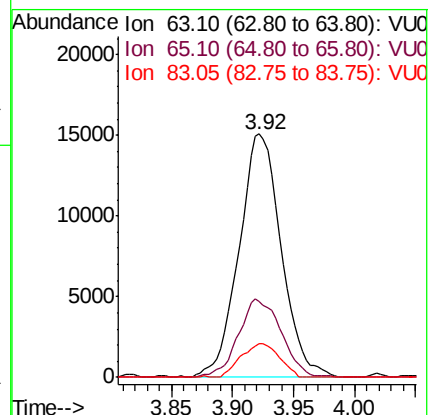
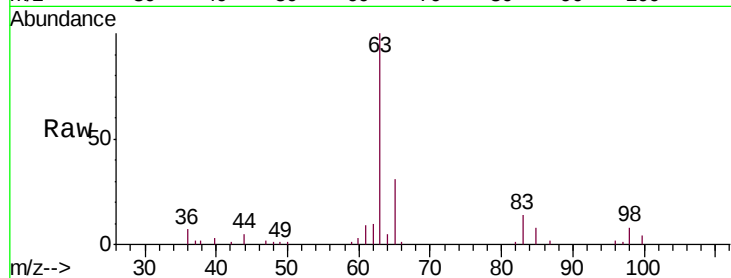
Tgt Ion: 63 Resp: 36074

Ion Ratio Lower Upper

63 100

65 31.4 21.8 40.4

83 13.9 8.6 16.0



#25

Chloroform

Concen: 0.763 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035839.D

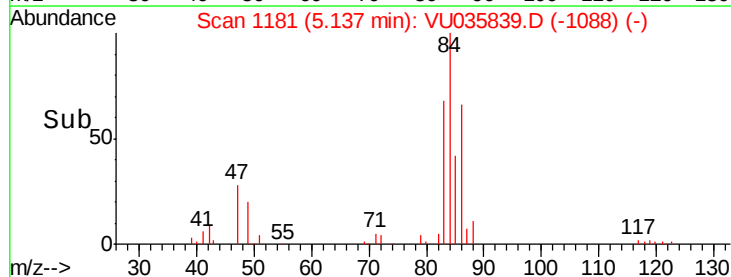
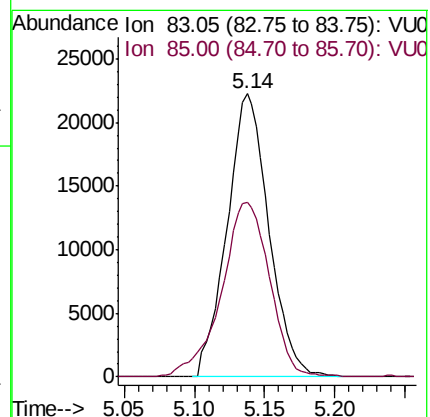
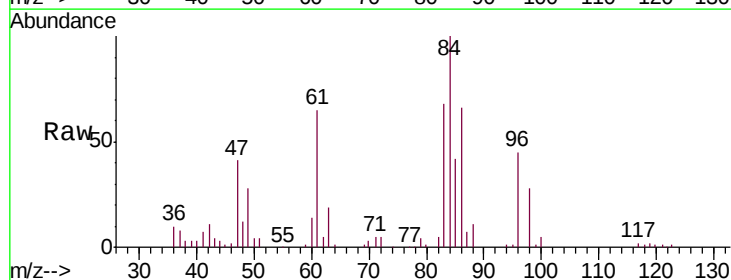
Acq: 25 Nov 2019 21:45

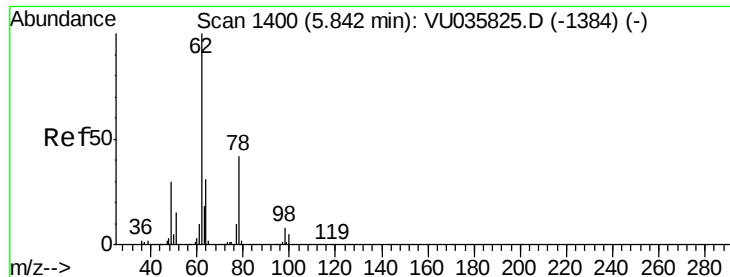
Tgt Ion: 83 Resp: 46031

Ion Ratio Lower Upper

83 100

85 61.7 44.6 82.8





#27

1,2-Dichloroethane

Concen: 0.332 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. -0.00 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

Instrument :

MSVOA_U

ClientSampleId :

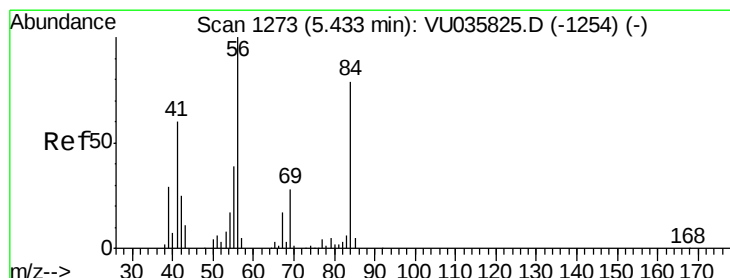
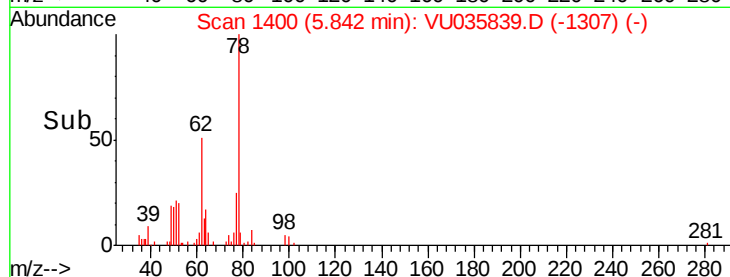
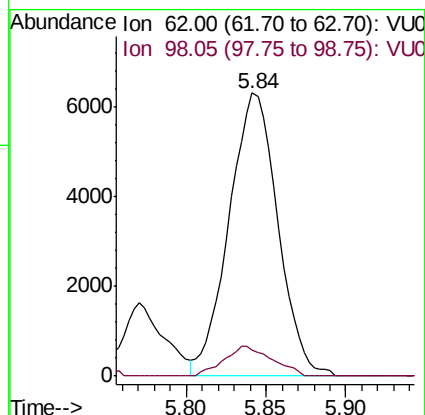
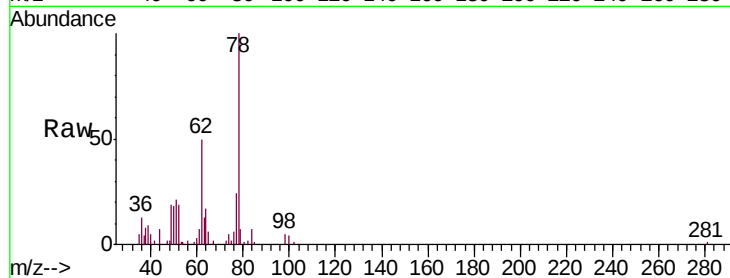
GARF1

Tgt Ion: 62 Resp: 13177

Ion Ratio Lower Upper

62 100

98 9.4 6.2 9.4#



#30

Cyclohexane

Concen: 0.628 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

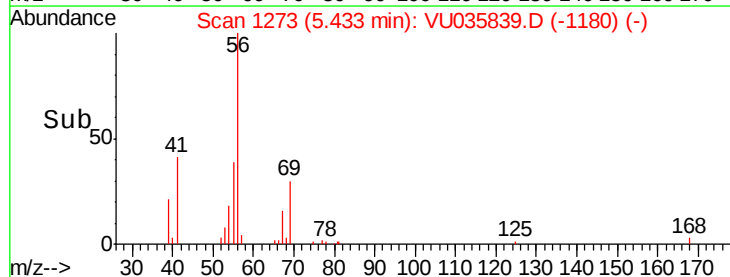
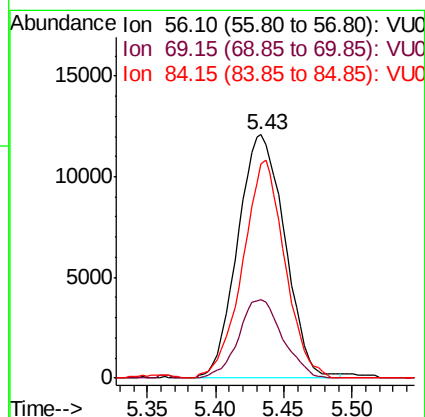
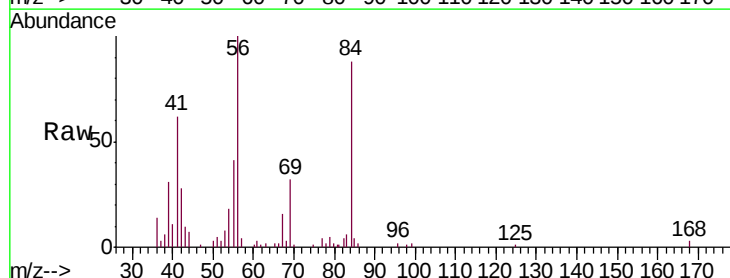
Tgt Ion: 56 Resp: 29008

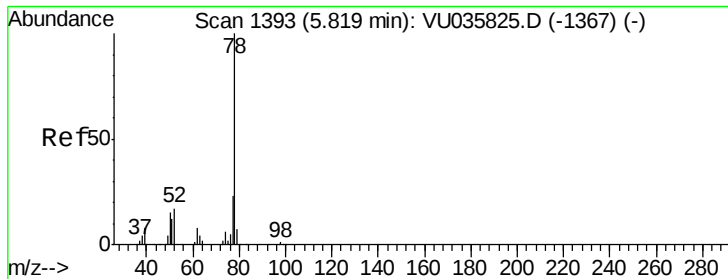
Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

84 80.0 62.1 93.1





#33

Benzene

Concen: 0.703 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

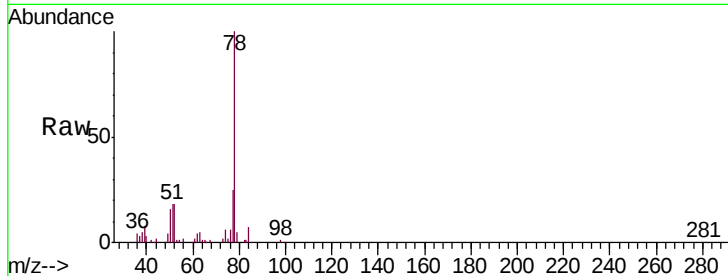
Instrument :

MSVOA_U

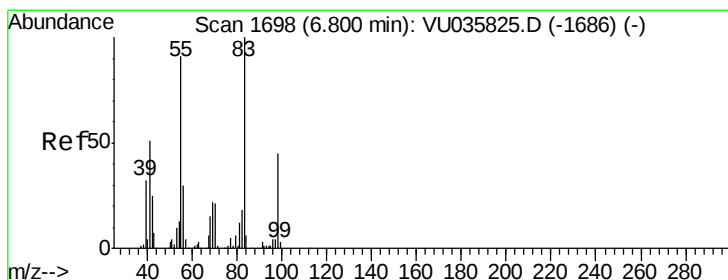
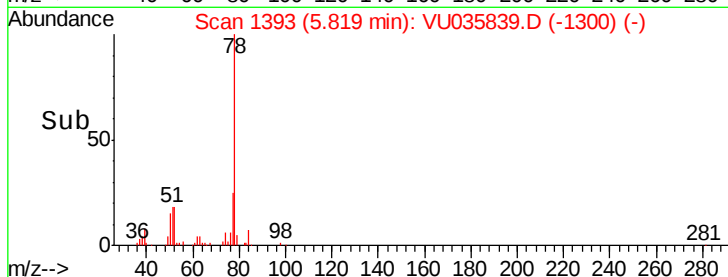
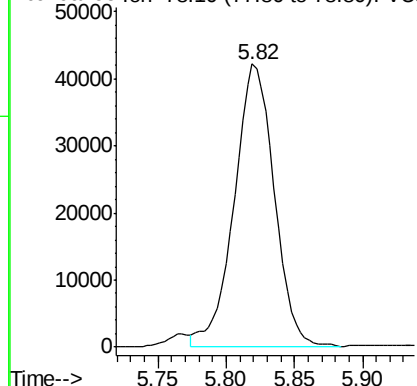
ClientSampleId :

GARF1

Tgt Ion: 78 Resp: 85875



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 72.757 ug/L

RT: 6.63 min Scan# 1644

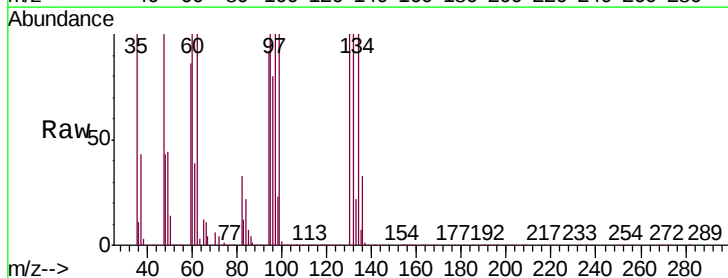
Delta R.T. -0.17 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

Tgt Ion: 83 Resp: 3198934

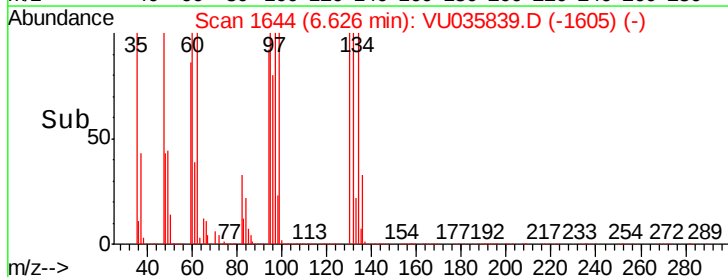
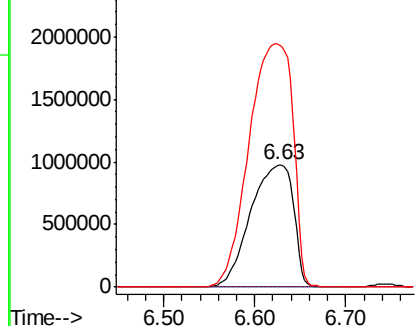
Ion	Ratio	Lower	Upper
83	100		
55	0.0	72.7	109.1#
98	203.9	36.2	54.4#

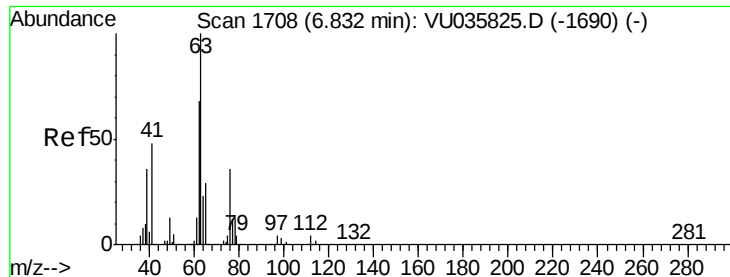


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

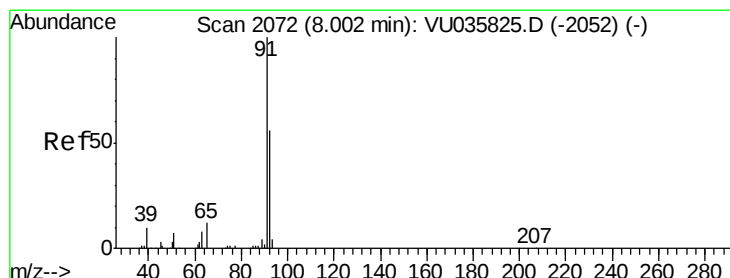
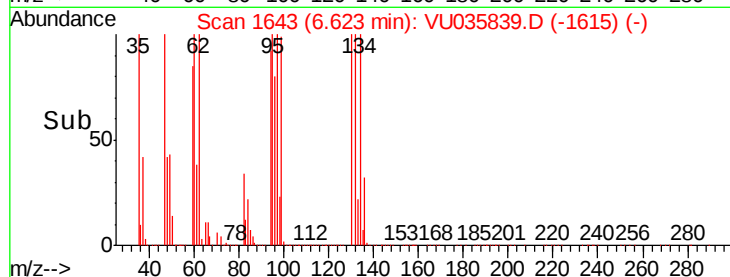
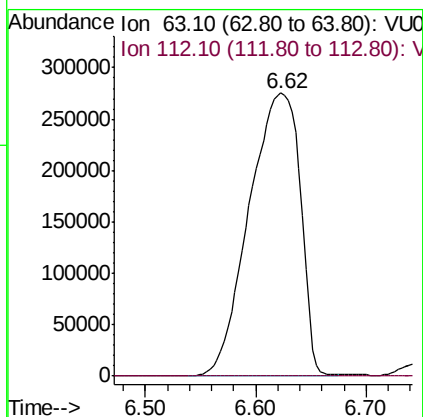
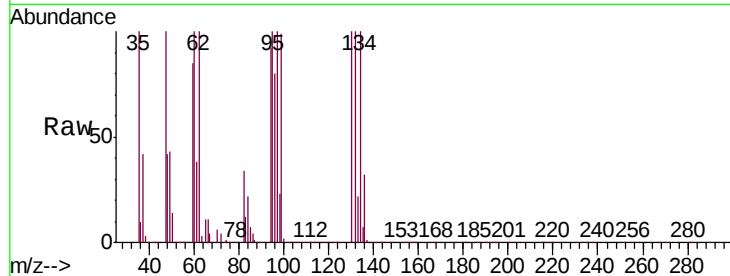




#37
 1,2-Dichloropropane
 Concen: 25.417 ug/L
 RT: 6.62 min Scan# 1643
 Delta R.T. -0.21 min
 Lab File: VU035839.D
 Acq: 25 Nov 2019 21:45

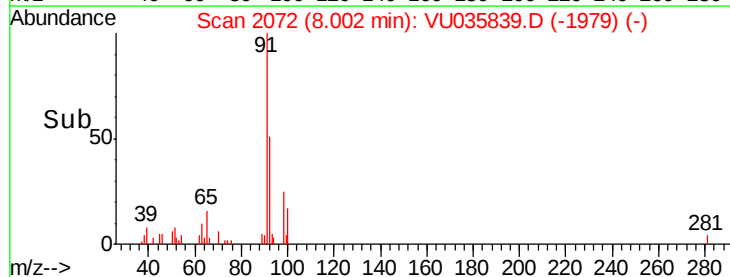
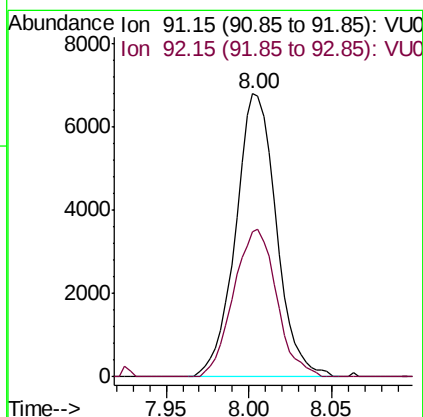
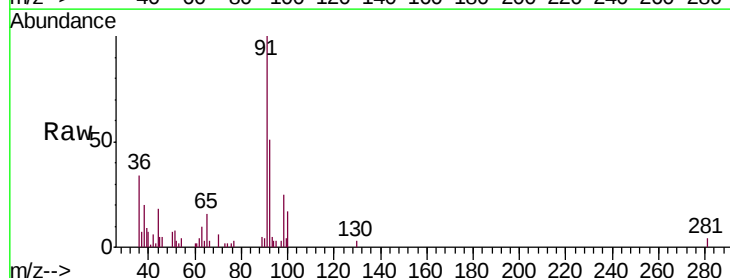
Instrument :
 MSVOA_U
 ClientSampleId :
 GARF1

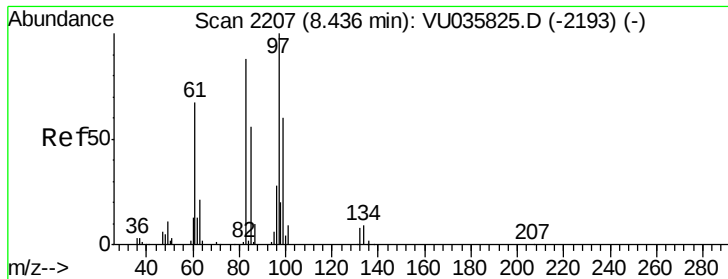
Tgt Ion: 63 Resp: 880861
 Ion Ratio Lower Upper
 63 100
 112 0.2 2.7 4.1#



#42
 Toluene
 Concen: 0.091 ug/L
 RT: 8.00 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VU035839.D
 Acq: 25 Nov 2019 21:45

Tgt Ion: 91 Resp: 11628
 Ion Ratio Lower Upper
 91 100
 92 51.1 40.4 75.0

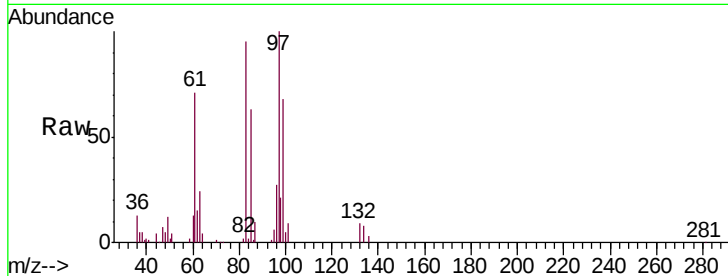




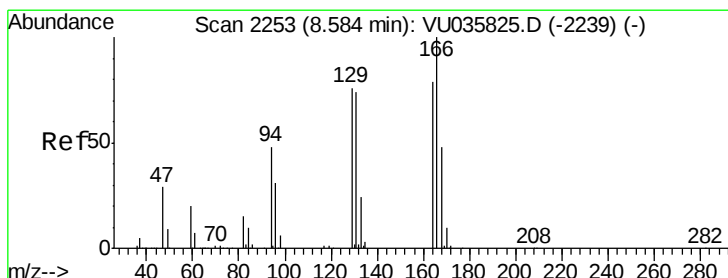
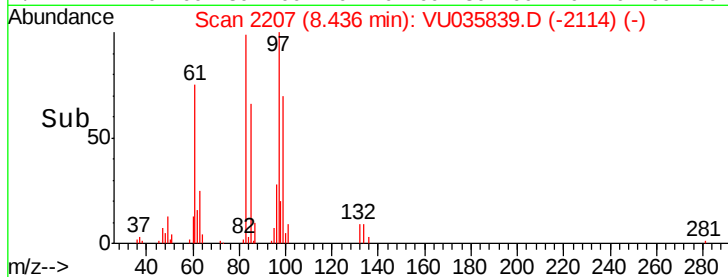
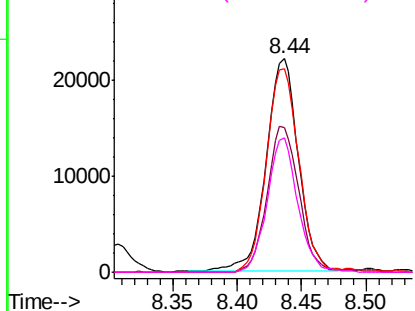
#45
 1,1,2-Trichloroethane
 Concen: 1.703 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035839.D
 Acq: 25 Nov 2019 21:45

Instrument :
 MSVOA_U
 ClientSampleId :
 GARF1

Tgt Ion:	97	Resp:	38466
Ion	Ratio	Lower	Upper
97	100		
99	67.6	44.2	82.0
83	95.1	62.2	115.6
85	62.6	41.5	77.1

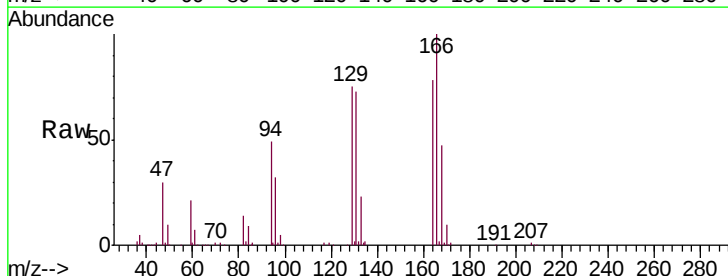


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

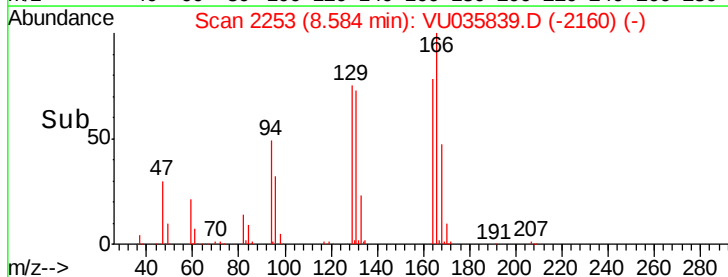
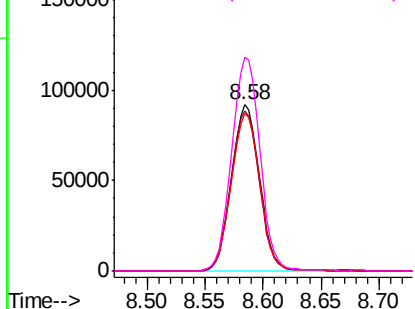


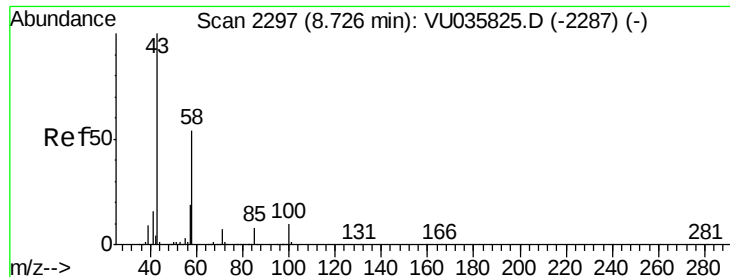
#47
 Tetrachloroethene
 Concen: 6.736 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035839.D
 Acq: 25 Nov 2019 21:45

Tgt Ion:	164	Resp:	153573
Ion	Ratio	Lower	Upper
164	100		
129	96.1	68.8	127.8
131	94.5	67.3	124.9
166	128.7	91.6	170.2



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

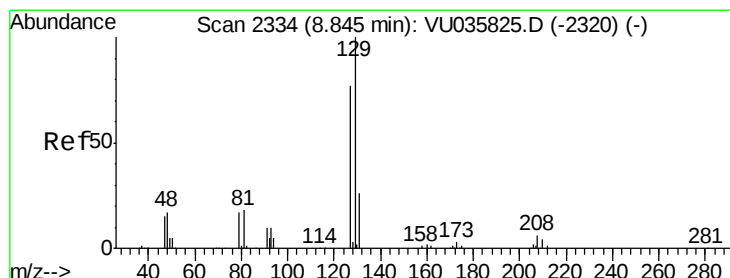
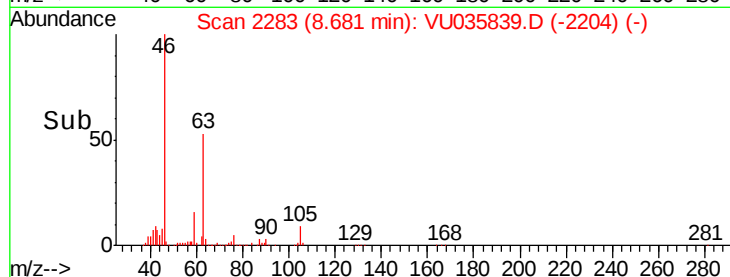
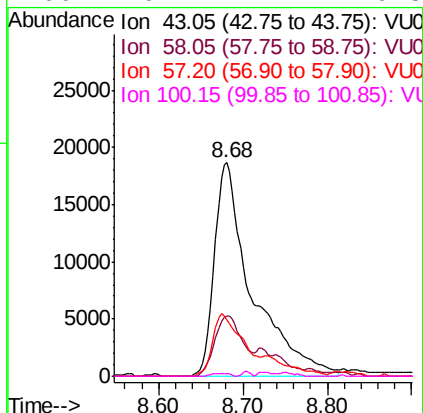
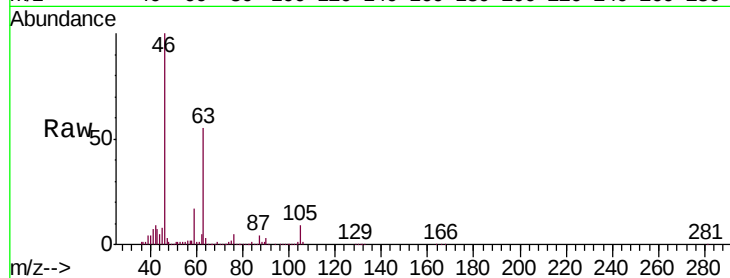




#48
2-Hexanone
Concen: 3.679 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.05 min
Lab File: VU035839.D
Acq: 25 Nov 2019 21:45

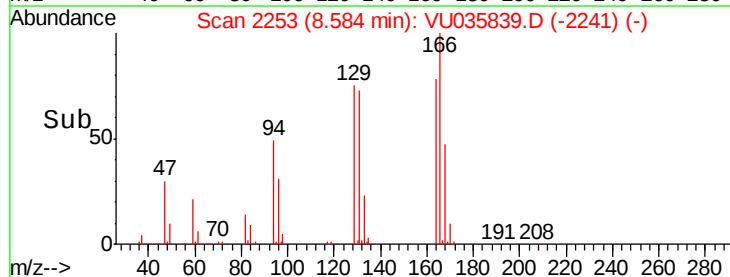
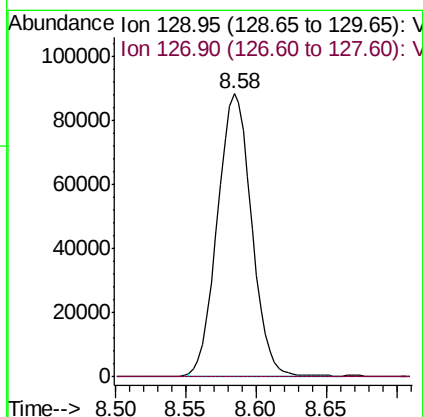
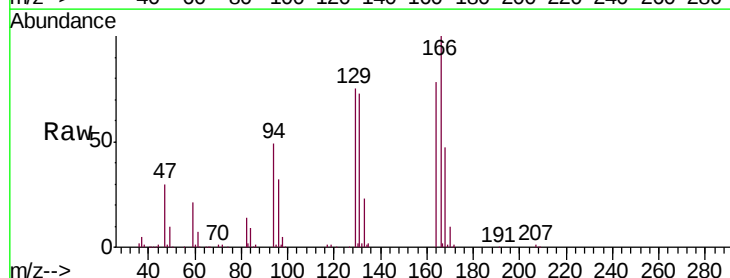
Instrument :
MSVOA_U
ClientSampleId :
GARF1

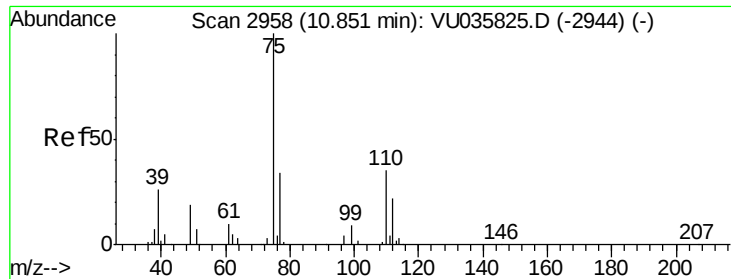
Tgt Ion: 43 Resp: 57625
Ion Ratio Lower Upper
43 100
58 21.2 39.8 59.8#
57 23.1 14.0 21.0#
100 0.7 7.2 10.8#



#49
Dibromochloromethane
Concen: 5.546 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035839.D
Acq: 25 Nov 2019 21:45

Tgt Ion: 129 Resp: 147746
Ion Ratio Lower Upper
129 100
127 0.1 53.1 98.5#





#59

1,2,3-Trichloropropane

Concen: 0.553 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035839.D

Acq: 25 Nov 2019 21:45

Instrument :

MSVOA_U

ClientSampleId :

GARF1

Tgt Ion: 75 Resp: 12463

Ion Ratio Lower Upper

75 100

77 36.8 25.4 38.2

