

Data File : VU035840.D
Acq On : 25 Nov 2019 22:09
Operator : JC/SP
Sample : K5992-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARF2

Quant Time: Nov 26 01:09:02 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	257069	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	282138	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	92990	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	130249	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.93	69	128092	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.61	63	778913	12.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	249.60%#
20) 2-Butanone-d5	4.70	46	403320	51.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.80%
24) Chloroform-d	5.11	84	248100	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.75	65	146134	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.77	84	500172	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.74	67	183396	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.93	98	425803	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	8.21	79	64813	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.68	63	321920	56.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	142091	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	101730	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.62	62	105675	2.462	ug/L #	76
8) Chloroethane	1.95	64	1950	0.079	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4018	0.142	ug/L #	33
12) 1,1-Dichloroethene	2.61	96	1018153	38.065	ug/L #	71
16) Methylene chloride	3.09	84	2124	0.066	ug/L #	83
18) trans-1,2-Dichloroethene	3.39	96	139198	5.285	ug/L	99
19) 1,1-Dichloroethane	3.92	63	13967	0.236	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	13047425	444.540	ug/L #	98
25) Chloroform	5.14	83	44010	0.764	ug/L	96
27) 1,2-Dichloroethane	5.84	62	7204	0.190	ug/L #	95
33) Benzene	5.82	78	49610	0.421	ug/L	100
35) Methylcyclohexane	6.62	83	2390338	56.408	ug/L #	1
37) 1,2-Dichloropropane	6.74	63	21419	0.641	ug/L #	91
45) 1,1,2-Trichloroethane	8.44	97	26413	1.214	ug/L	98
47) Tetrachloroethene	8.58	164	140320	6.386	ug/L	97
48) 2-Hexanone	8.68	43	51624	3.419	ug/L #	64
49) Dibromochloromethane	8.58	129	137417	5.352	ug/L #	12

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

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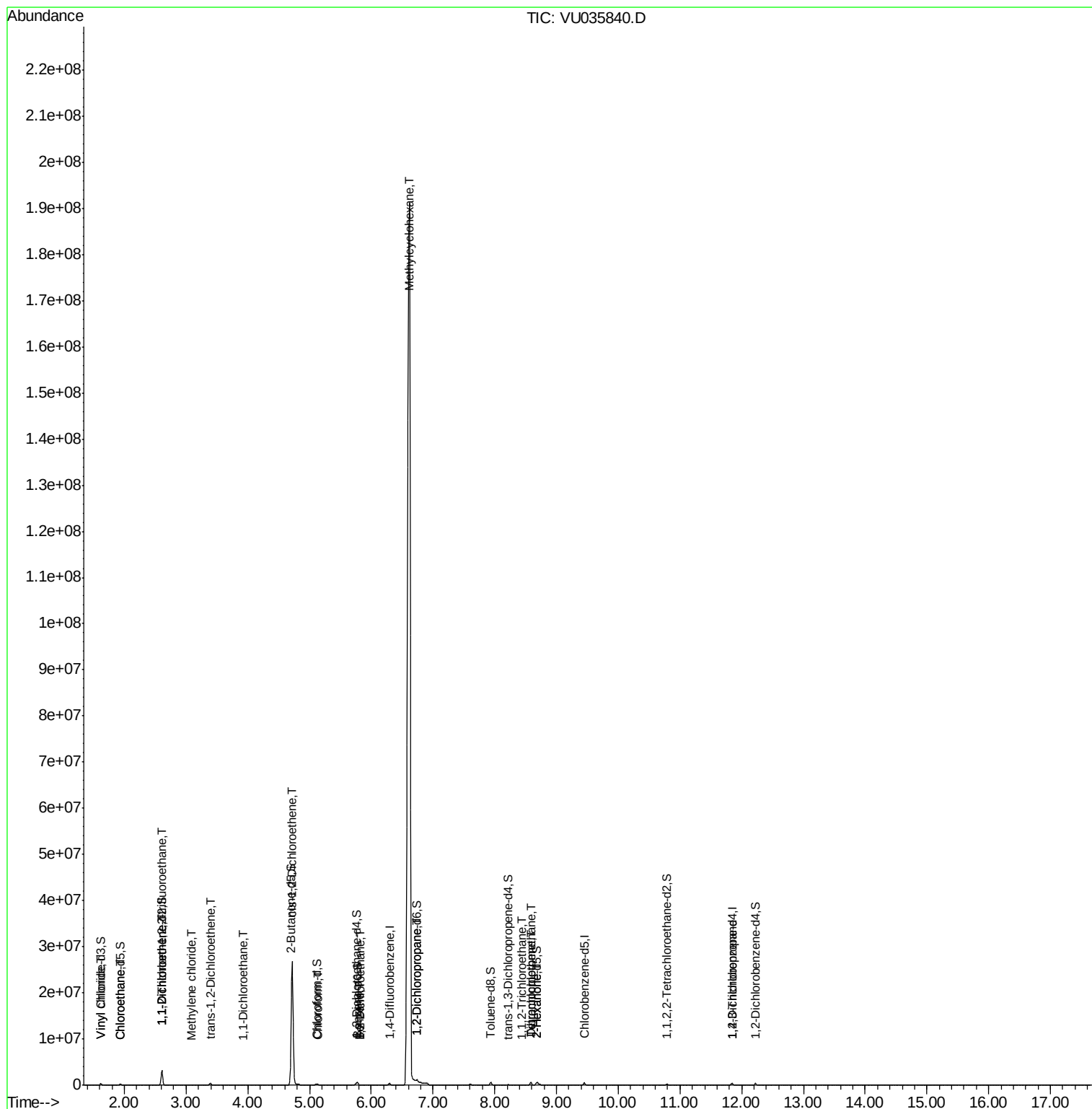
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.84	75	12716	0.586	ug/L	91

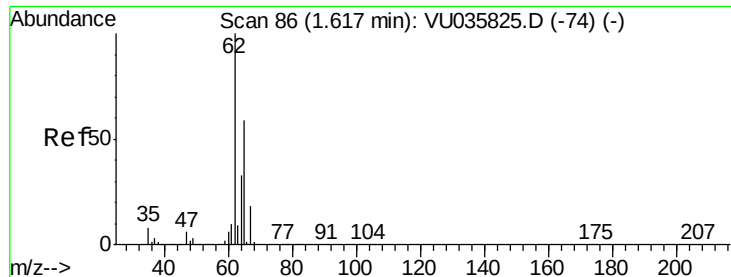
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.462 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035840.D

Acq: 25 Nov 2019 22:09

Instrument :

MSVOA_U

ClientSampleId :

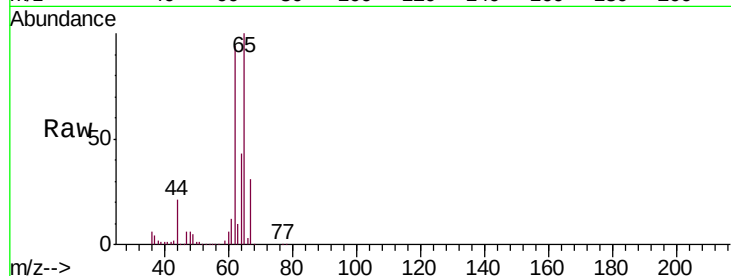
GARF2

Tgt Ion: 62 Resp: 105675

Ion Ratio Lower Upper

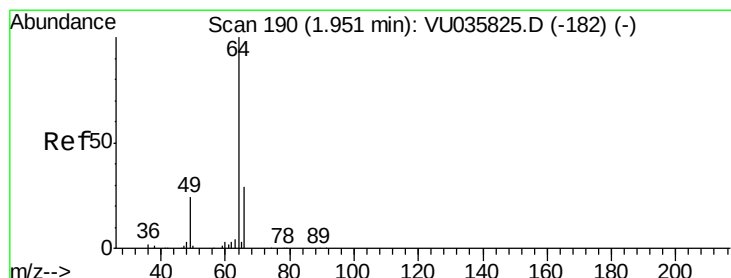
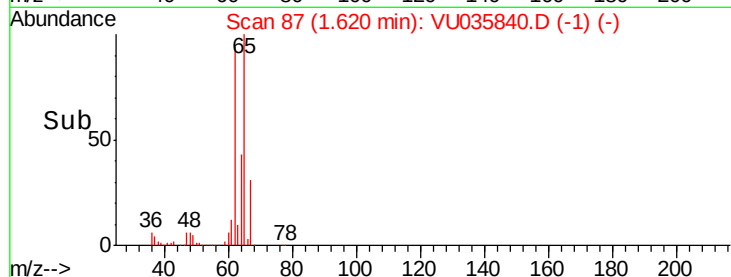
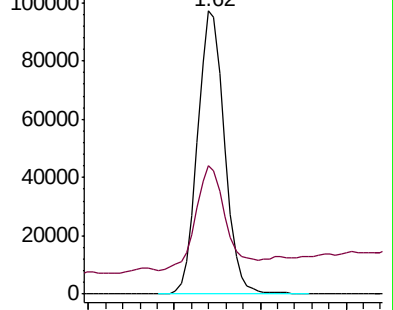
62 100

64 45.4 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU035840.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035840.D (-1) (-)



#8

Chloroethane

Concen: 0.079 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU035840.D

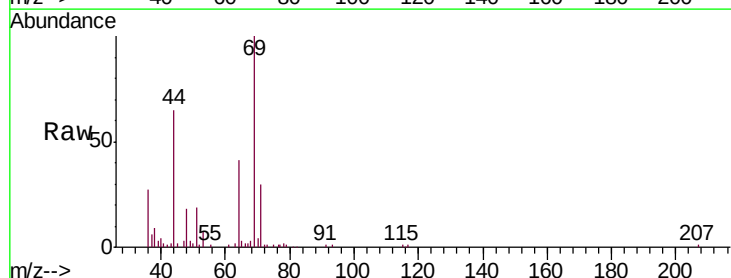
Acq: 25 Nov 2019 22:09

Tgt Ion: 64 Resp: 1950

Ion Ratio Lower Upper

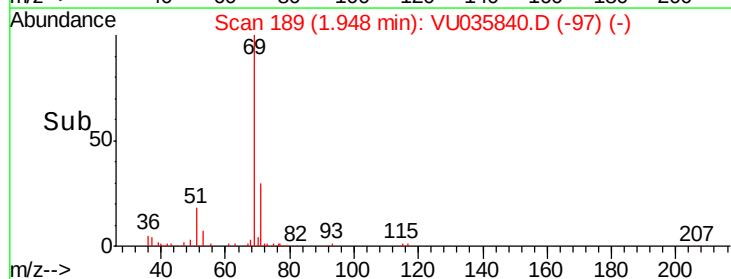
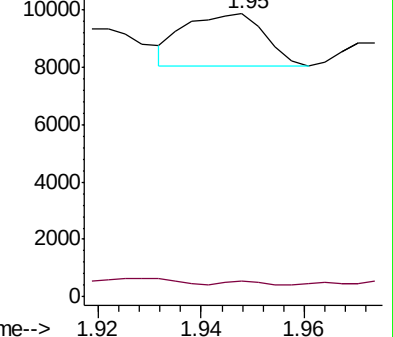
64 100

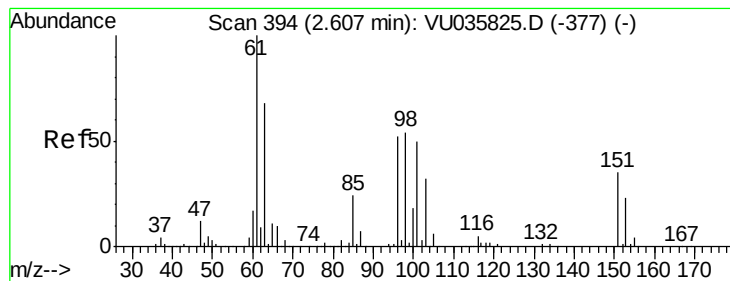
66 5.7 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU035840.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU035840.D (-97) (-)





#10

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

Concen: 0.142 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035840.D

Acq: 25 Nov 2019 22:09

Instrument :

MSVOA_U

ClientSampleId :

GARF2

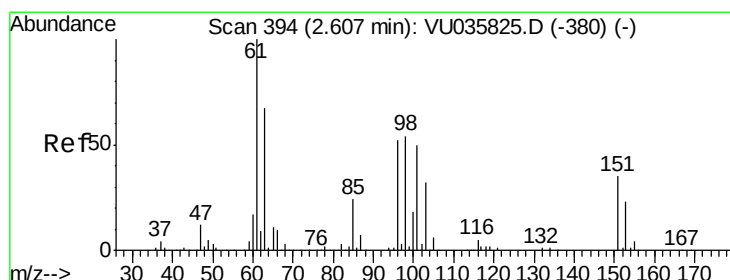
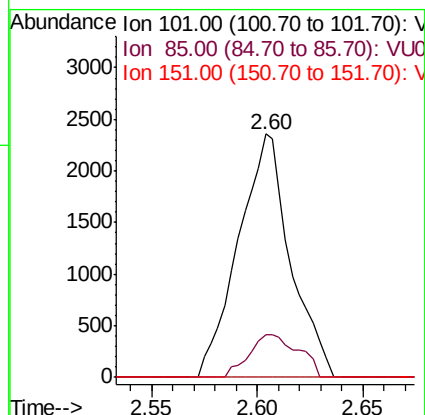
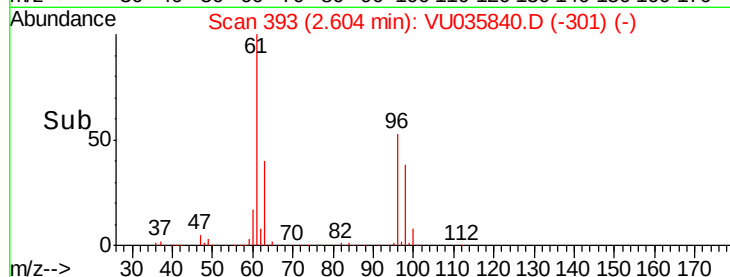
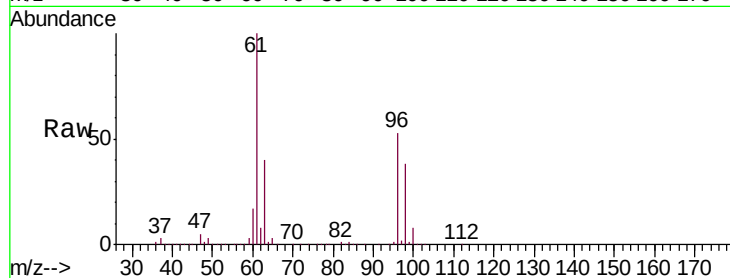
Tgt Ion: 101 Resp: 4018

Ion Ratio Lower Upper

101 100

85 16.6 38.1 57.1#

151 0.0 52.0 78.0#



#12

1,1-Dichloroethene

Concen: 38.065 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035840.D

Acq: 25 Nov 2019 22:09

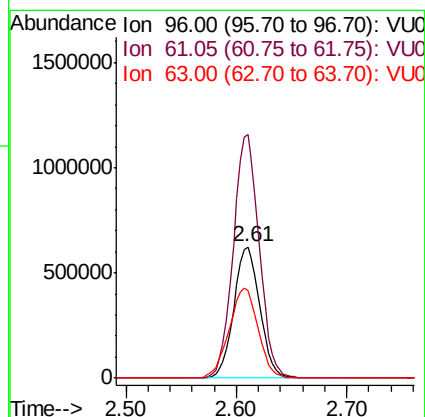
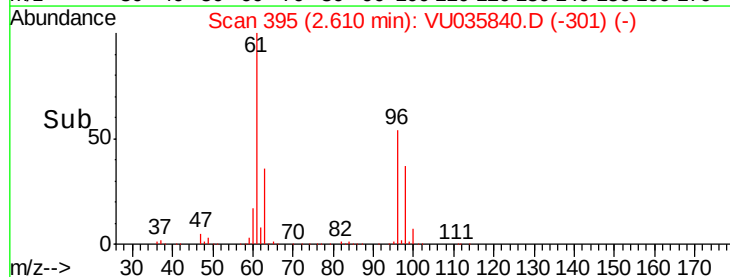
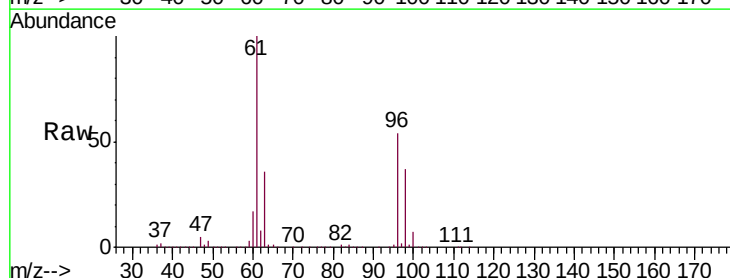
Tgt Ion: 96 Resp: 1018153

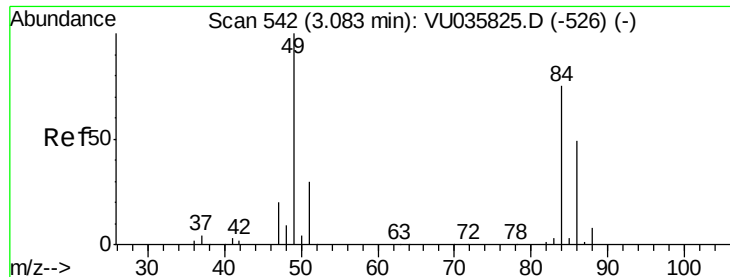
Ion Ratio Lower Upper

96 100

61 185.0 139.3 258.7

63 66.2 93.7 174.1#

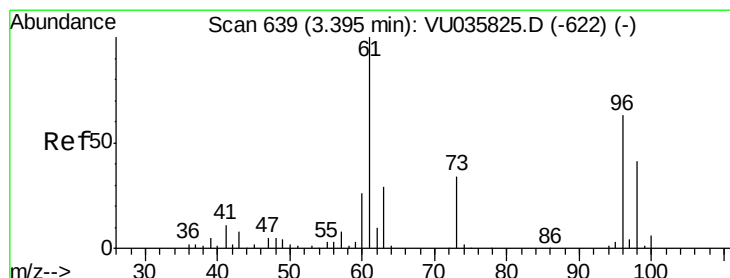
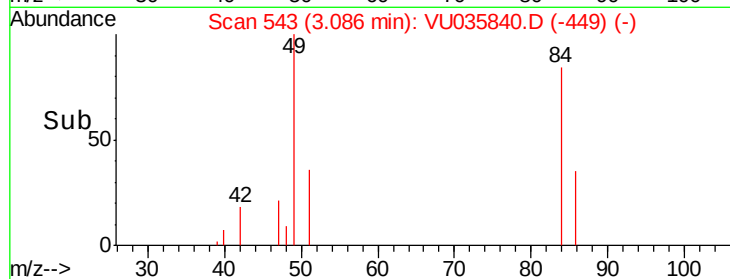
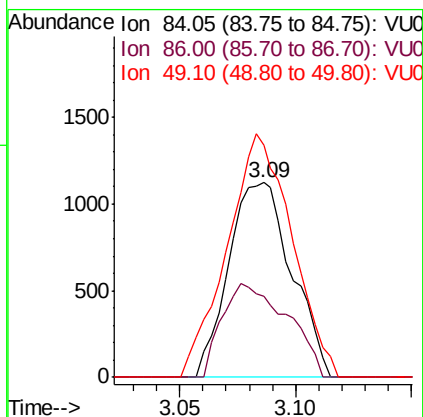
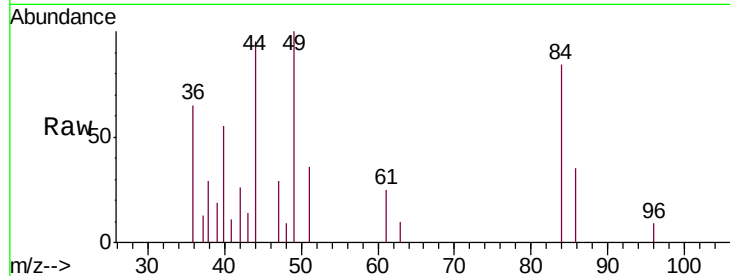




#16
Methylene chloride
Concen: 0.066 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035840.D
Acq: 25 Nov 2019 22:09

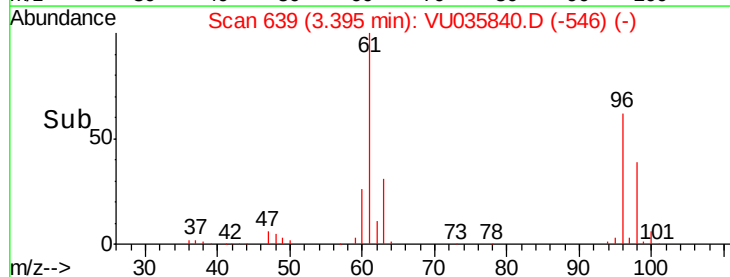
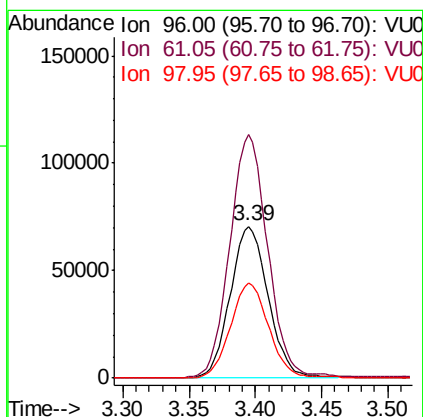
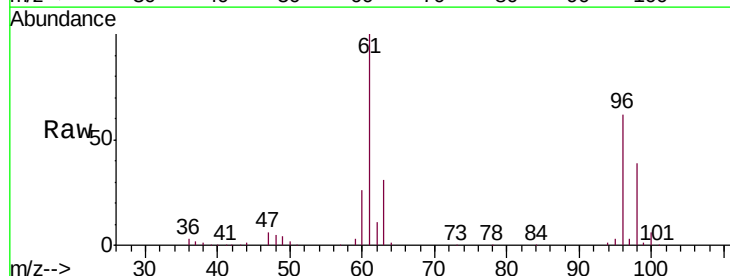
Instrument :
MSVOA_U
ClientSampleId :
GARF2

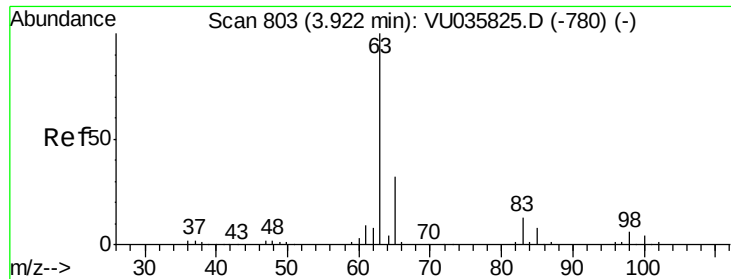
Tgt Ion: 84 Resp: 2124
Ion Ratio Lower Upper
84 100
86 41.8 44.4 82.5#
49 119.7 94.0 174.6



#18
trans-1,2-Dichloroethene
Concen: 5.285 ug/L
RT: 3.39 min Scan# 639
Delta R.T. -0.00 min
Lab File: VU035840.D
Acq: 25 Nov 2019 22:09

Tgt Ion: 96 Resp: 139198
Ion Ratio Lower Upper
96 100
61 160.3 111.1 206.3
98 62.8 43.1 80.1

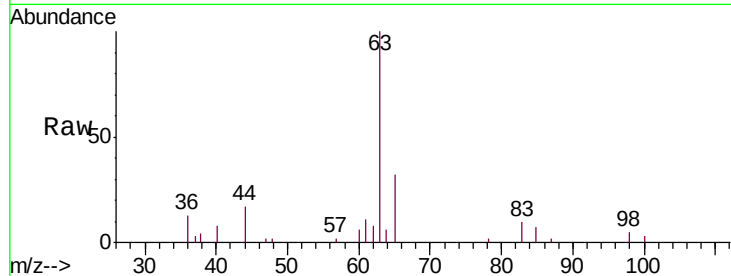




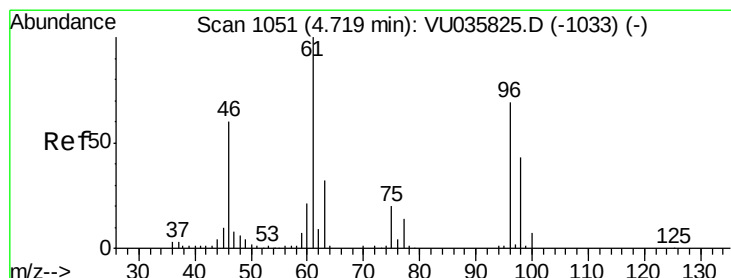
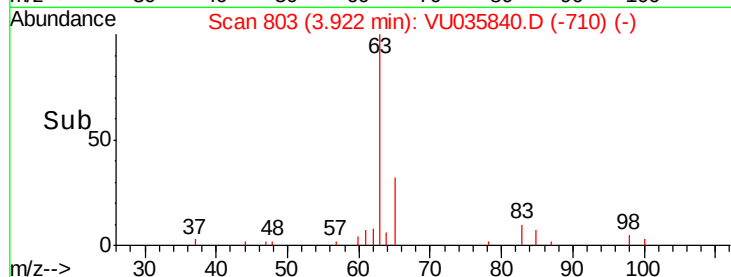
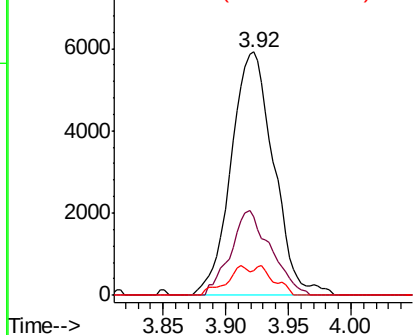
#19
 1,1-Dichloroethane
 Concen: 0.236 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035840.D
 Acq: 25 Nov 2019 22:09

Instrument :
 MSVOA_U
 ClientSampleId :
 GARF2

Tgt Ion: 63 Resp: 13967
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.8 40.4
 83 10.3 8.6 16.0

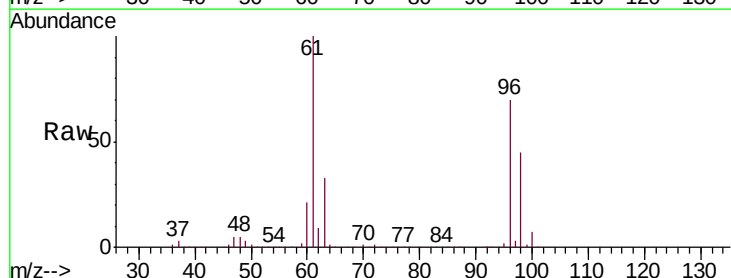


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

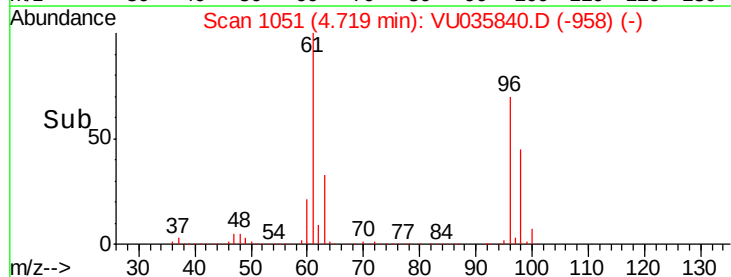
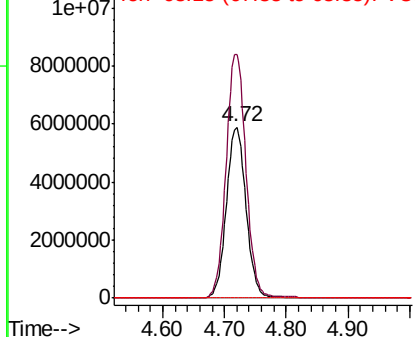


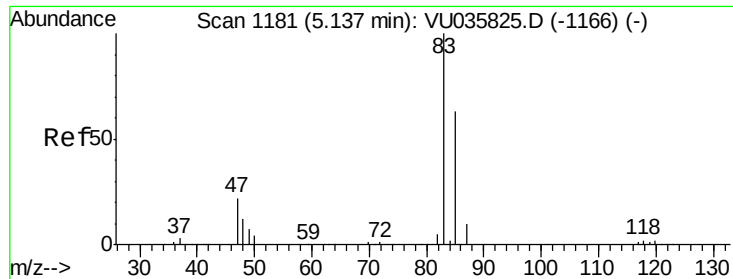
#22
 cis-1,2-Dichloroethene
 Concen: 444.540 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035840.D
 Acq: 25 Nov 2019 22:09

Tgt Ion: 96 Resp: 13047425
 Ion Ratio Lower Upper
 96 100
 61 142.3 98.1 182.1
 68 0.0 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

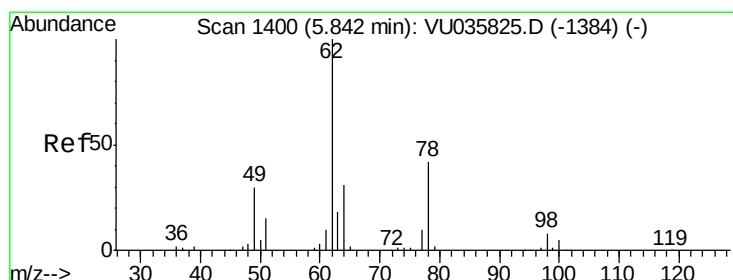
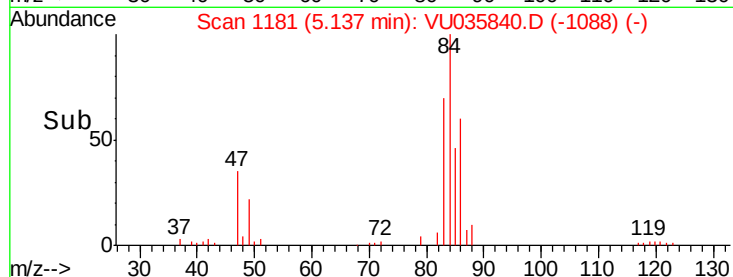
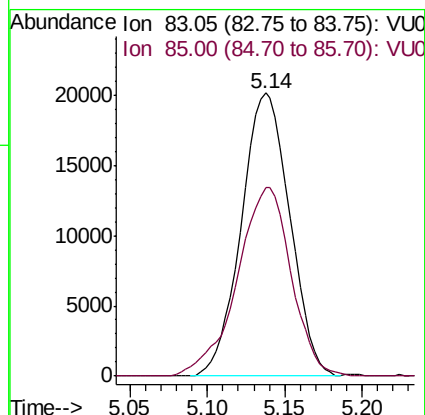
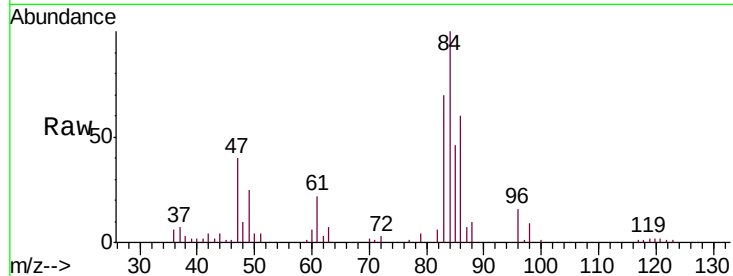




#25
Chloroform
Concen: 0.764 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035840.D
Acq: 25 Nov 2019 22:09

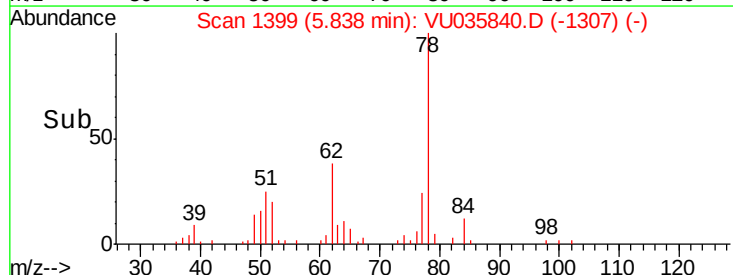
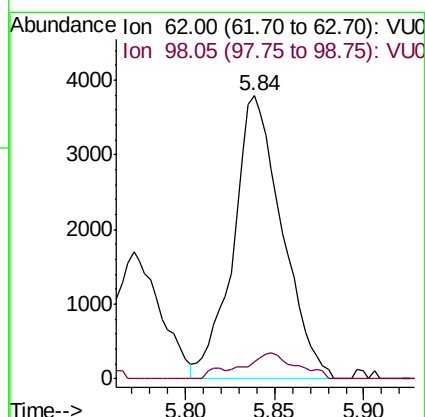
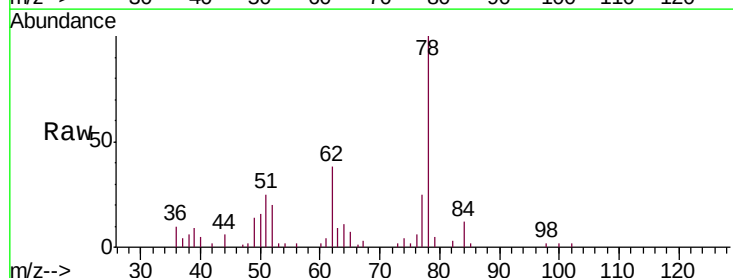
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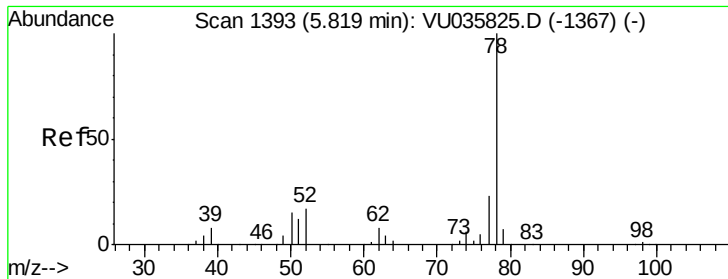
Tgt Ion: 83 Resp: 44010
Ion Ratio Lower Upper
83 100
85 66.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.190 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035840.D
Acq: 25 Nov 2019 22:09

Tgt Ion: 62 Resp: 7204
Ion Ratio Lower Upper
62 100
98 5.9 6.2 9.4#





#33

Benzene

Concen: 0.421 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035840.D

Acq: 25 Nov 2019 22:09

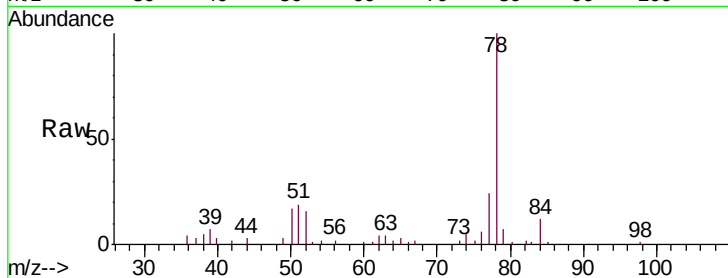
Instrument :

MSVOA_U

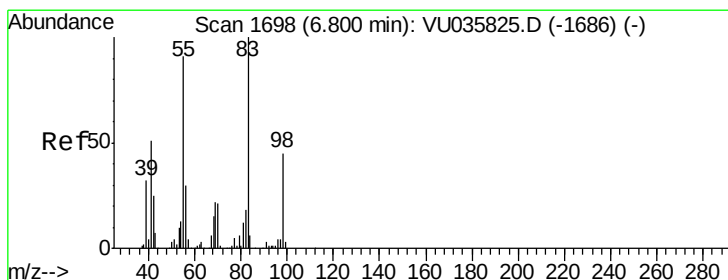
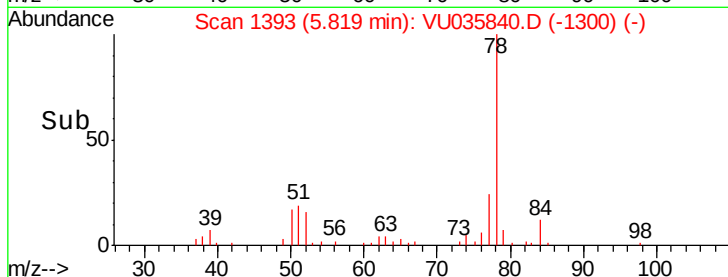
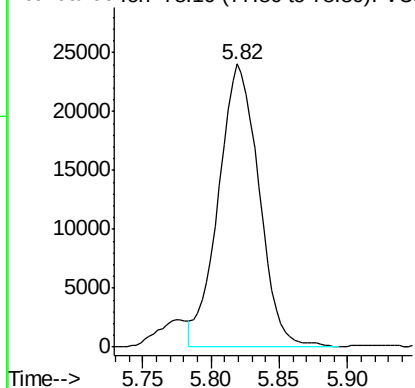
ClientSampleId :

GARF2

Tgt Ion: 78 Resp: 49610



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 56.408 ug/L

RT: 6.62 min Scan# 1641

Delta R.T. -0.18 min

Lab File: VU035840.D

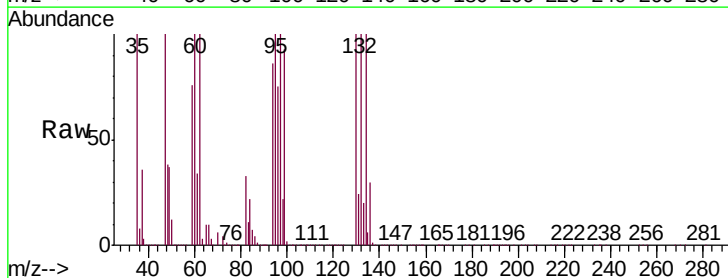
Acq: 25 Nov 2019 22:09

Tgt Ion: 83 Resp: 2390338

Ion	Ratio	Lower	Upper
83	100		

55	0.0	72.7	109.1#
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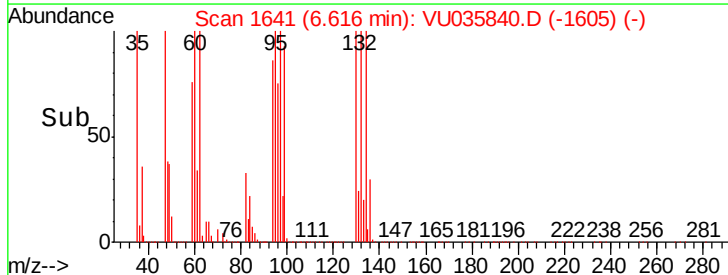
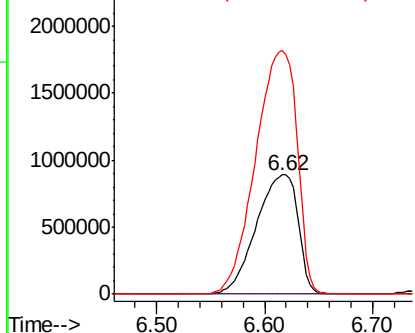
98	203.1	36.2	54.4#
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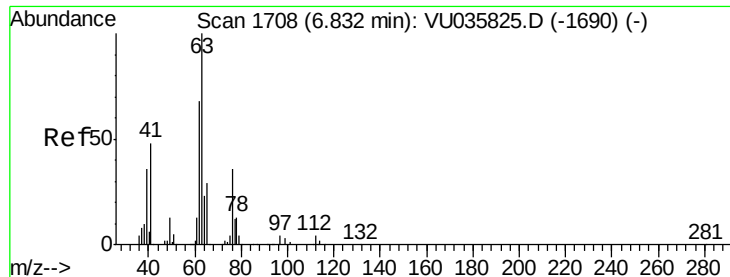


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

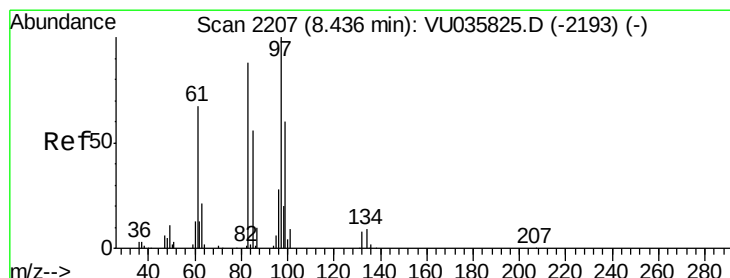
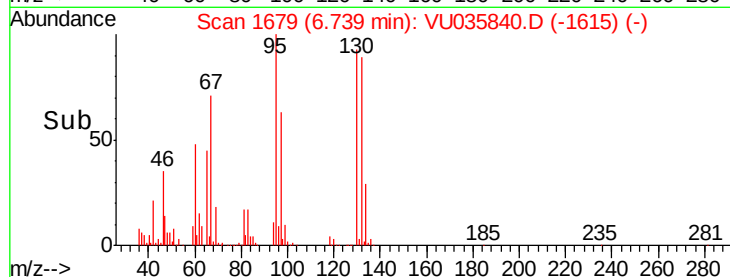
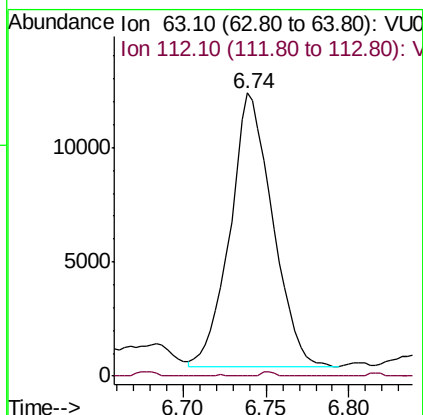
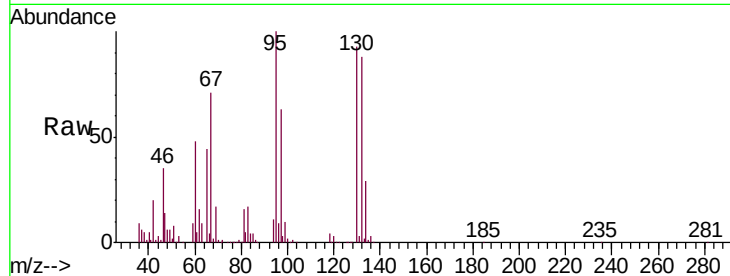




#37
 1,2-Dichloropropane
 Concen: 0.641 ug/L
 RT: 6.74 min Scan# 1679
 Delta R.T. -0.09 min
 Lab File: VU035840.D
 Acq: 25 Nov 2019 22:09

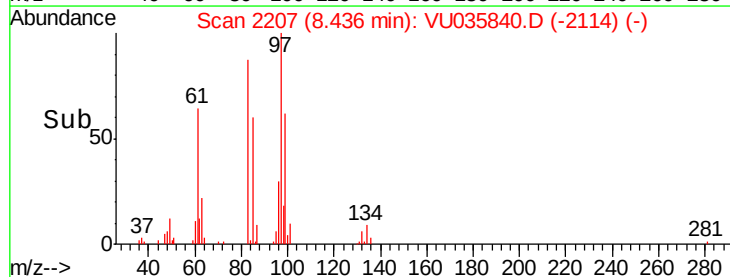
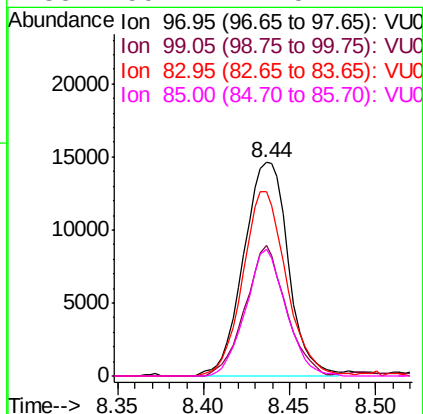
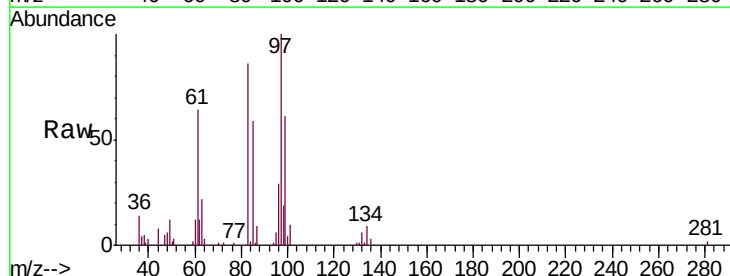
Instrument :
 MSVOA_U
 ClientSampleId :
 GARF2

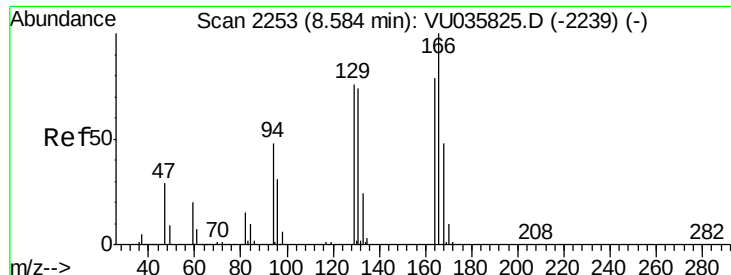
Tgt Ion: 63 Resp: 21419
 Ion Ratio Lower Upper
 63 100
 112 0.5 2.7 4.1#



#45
 1,1,2-Trichloroethane
 Concen: 1.214 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035840.D
 Acq: 25 Nov 2019 22:09

Tgt Ion: 97 Resp: 26413
 Ion Ratio Lower Upper
 97 100
 99 61.2 44.2 82.0
 83 86.3 62.2 115.6
 85 59.4 41.5 77.1

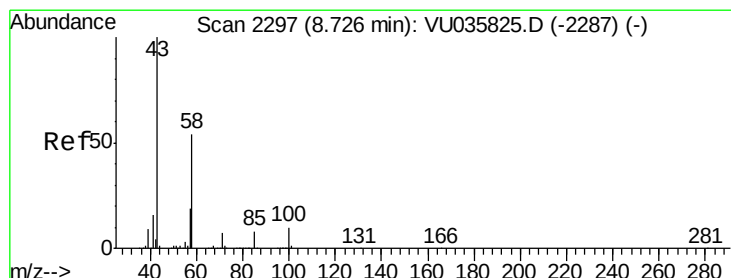
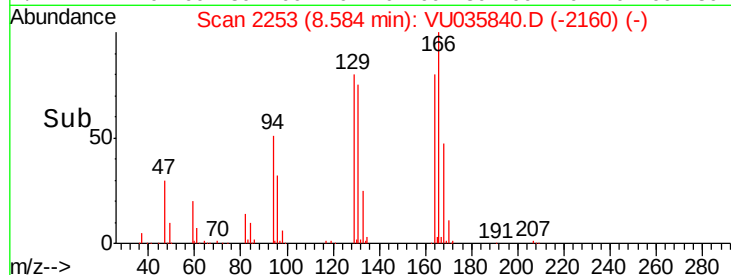
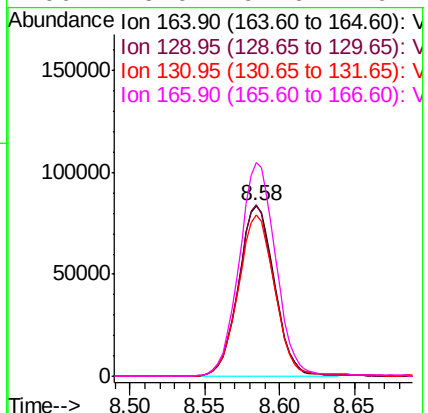
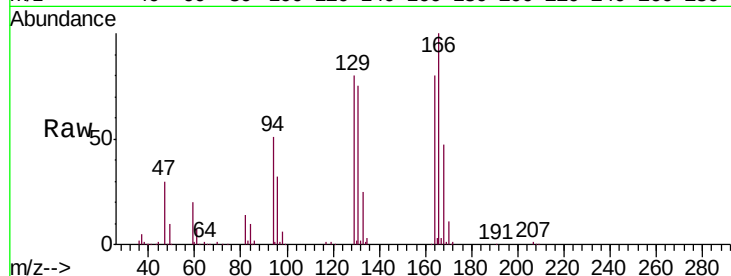




#47
Tetrachloroethene
Concen: 6.386 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035840.D
Acq: 25 Nov 2019 22:09

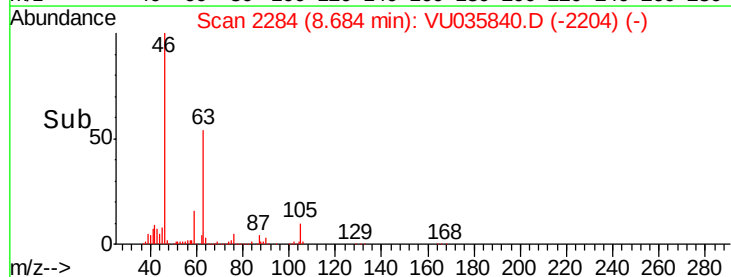
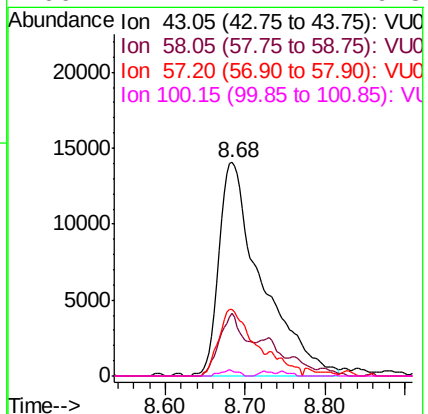
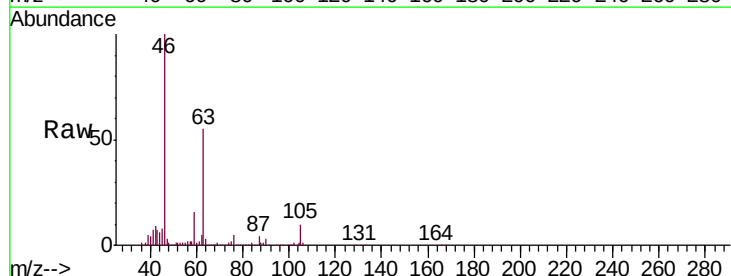
Instrument :
MSVOA_U
ClientSampleId :
GARF2

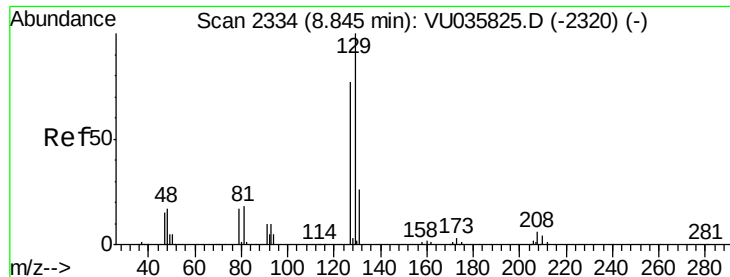
Tgt Ion	Ratio	Lower	Upper
164	100		
129	100.4	68.8	127.8
131	94.1	67.3	124.9
166	125.0	91.6	170.2



#48
2-Hexanone
Concen: 3.419 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.04 min
Lab File: VU035840.D
Acq: 25 Nov 2019 22:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	18.3	39.8	59.8#
57	23.4	14.0	21.0#
100	1.1	7.2	10.8#





#49

Dibromochloromethane

Concen: 5.352 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035840.D

Acq: 25 Nov 2019 22:09

Instrument :

MSVOA_U

ClientSampleId :

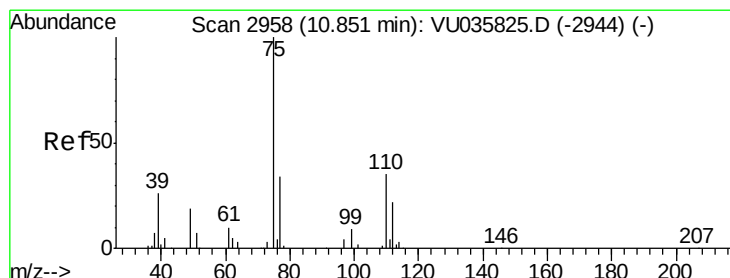
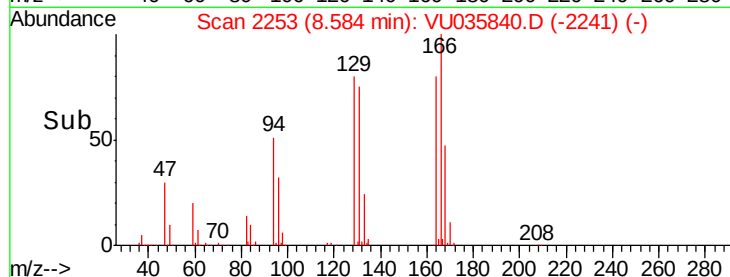
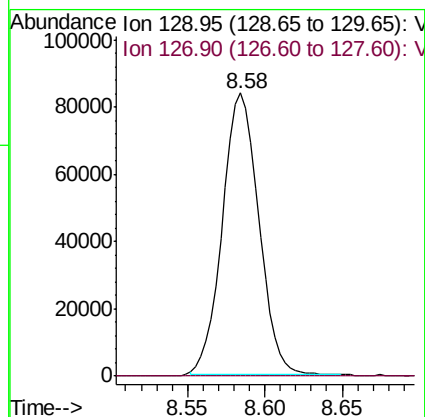
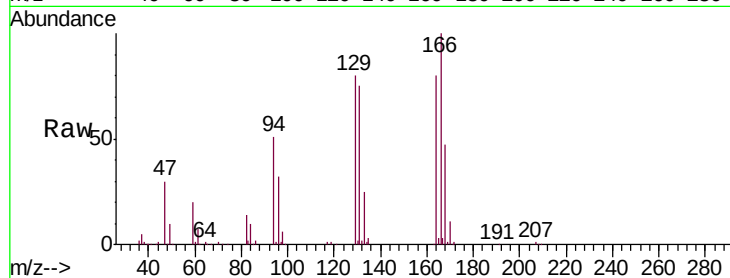
GARF2

Tgt Ion: 129 Resp: 137417

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#



#59

1,2,3-Trichloropropane

Concen: 0.586 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035840.D

Acq: 25 Nov 2019 22:09

Tgt Ion: 75 Resp: 12716

Ion Ratio Lower Upper

75 100

77 37.1 25.4 38.2

