

Data File : VU035858.D
Acq On : 26 Nov 2019 15:16
Operator : JC/SP
Sample : K5992-10DL 200X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARF1DL

Quant Time: Nov 27 01:23:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 01:18:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230631	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	267699	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	98568	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	162137	5.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.60%
7) Chloroethane-d5	1.93	69	143958	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.40%
11) 1,1-Dichloroethene-d2	2.59	63	203766	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.70	46	376812	54.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.08%
24) Chloroform-d	5.11	84	253761	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.75	65	143352	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.77	84	488722	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.73	67	173041	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.93	98	393074	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.22	79	57091	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.68	63	280898	52.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.38%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	134926	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	116181	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

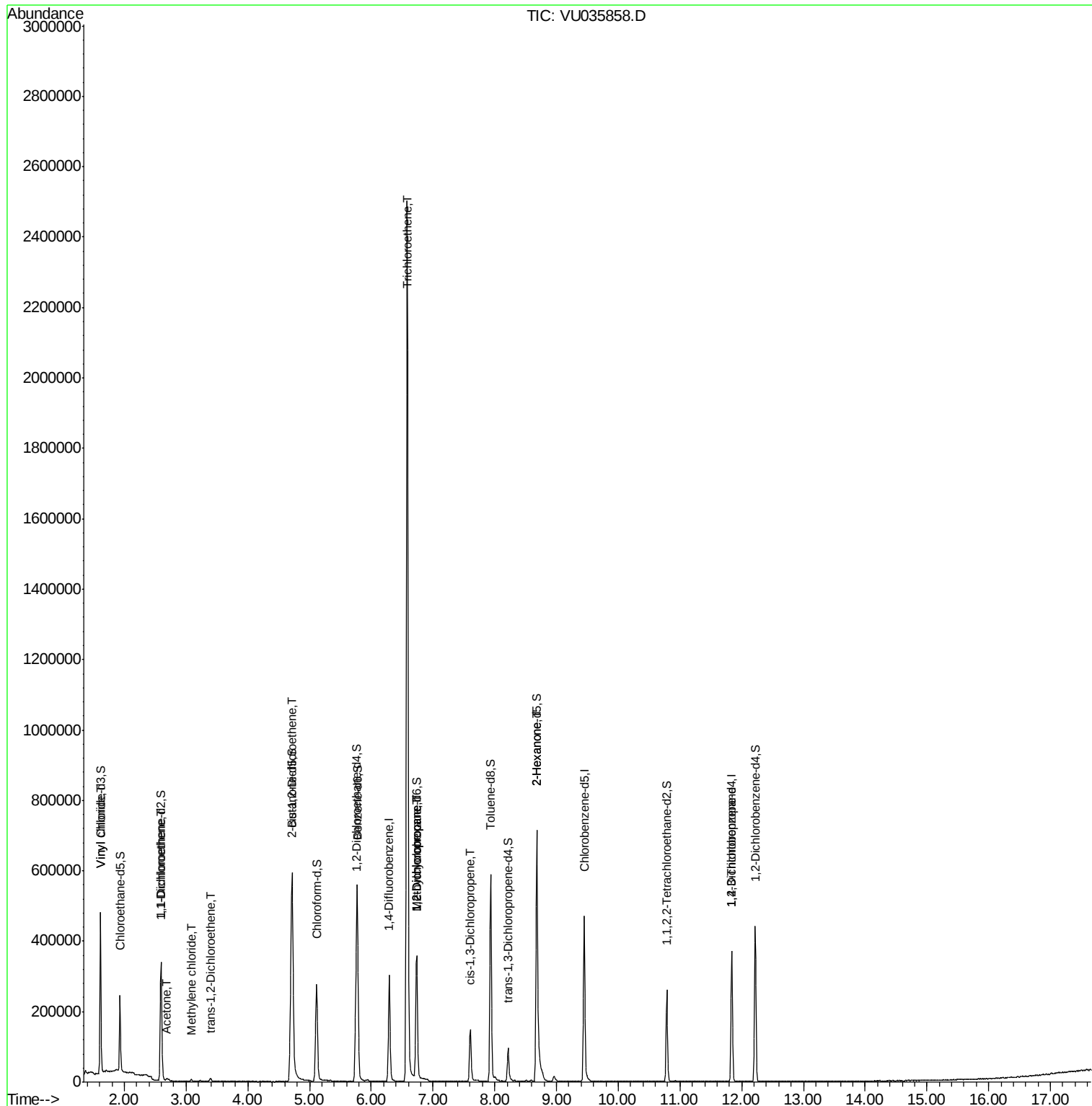
					Qvalue
5) Vinyl chloride	1.62	62	164735	4.278 ug/L	96
12) 1,1-Dichloroethene	2.61	96	18141	0.756 ug/L #	1
13) Acetone	2.68	43	9098	1.486 ug/L	89
16) Methylene chloride	3.09	84	2324	0.080 ug/L	79
18) trans-1,2-Dichloroethene	3.39	96	3442	0.146 ug/L #	81
22) cis-1,2-Dichloroethene	4.72	96	224009	8.507 ug/L	98
34) Trichloroethene	6.58	95	874422	31.917 ug/L	98
35) Methylcyclohexane	6.73	83	36936	0.919 ug/L #	13
37) 1,2-Dichloropropane	6.74	63	17445	0.550 ug/L #	90
39) cis-1,3-Dichloropropene	7.60	75	3921	0.096 ug/L #	72
48) 2-Hexanone	8.68	43	36680	2.561 ug/L #	71
59) 1,2,3-Trichloropropane	11.84	75	12886	0.625 ug/L #	80

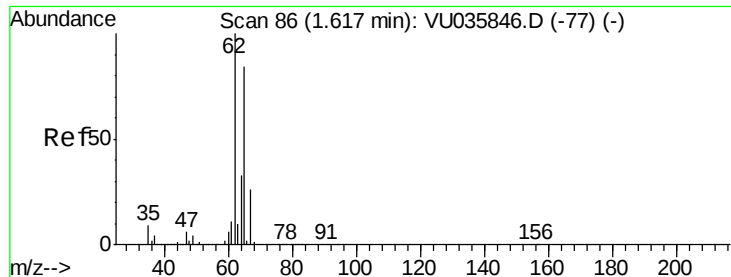
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.278 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035858.D

Acq: 26 Nov 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

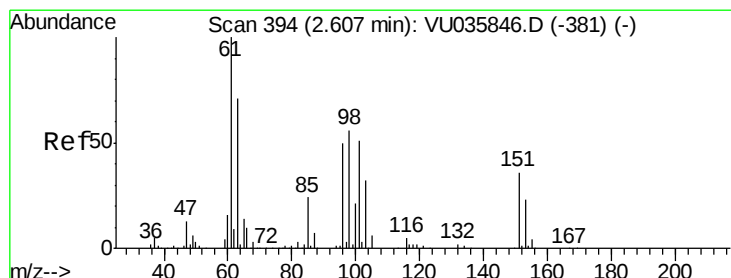
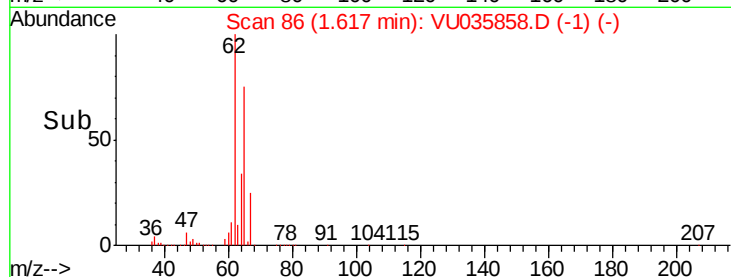
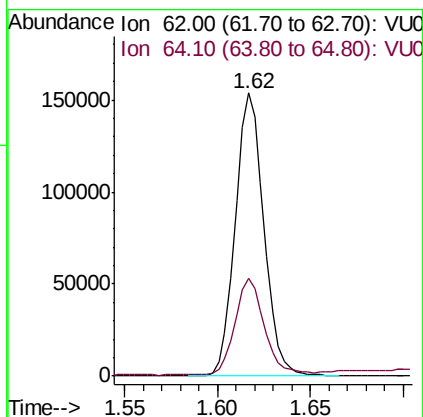
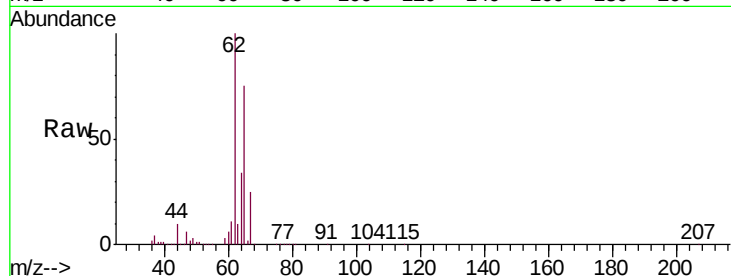
GARF1DL

Tgt Ion: 62 Resp: 164735

Ion Ratio Lower Upper

62 100

64 34.3 22.5 41.9



#12

1,1-Dichloroethene

Concen: 0.756 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035858.D

Acq: 26 Nov 2019 15:16

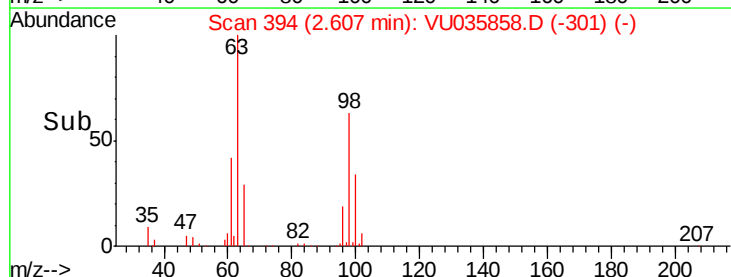
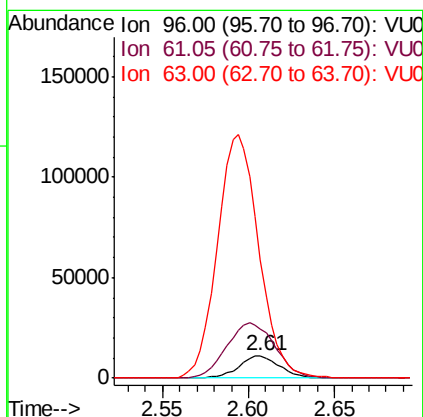
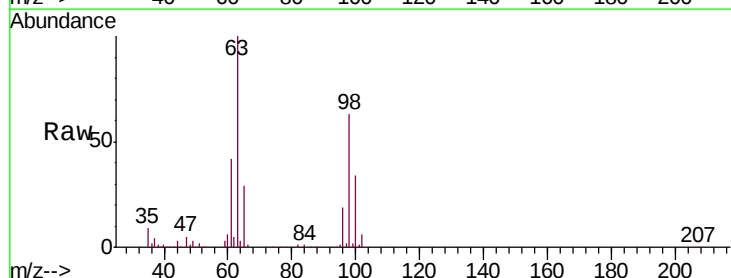
Tgt Ion: 96 Resp: 18141

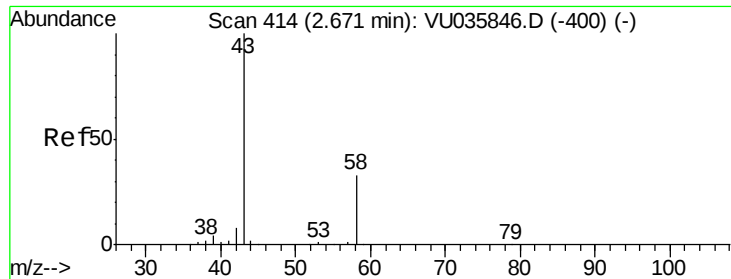
Ion Ratio Lower Upper

96 100

61 222.9 139.3 258.7

63 533.7 93.7 174.1#





#13

Acetone

Concen: 1.486 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU035858.D

Acq: 26 Nov 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

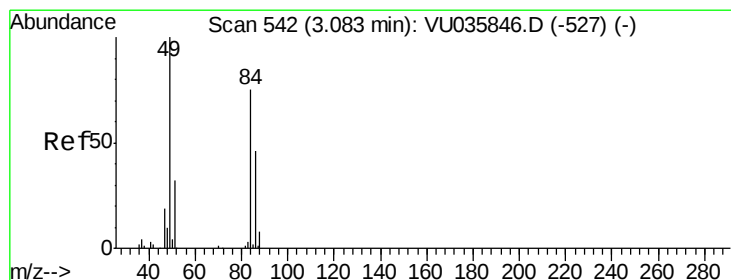
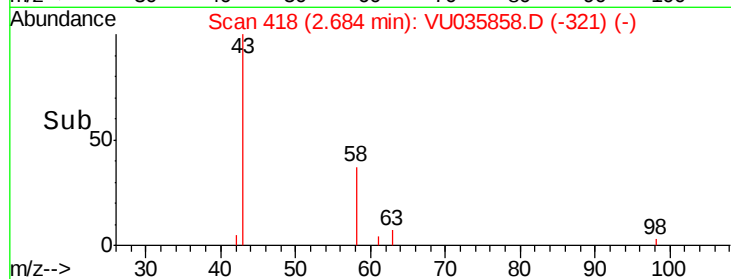
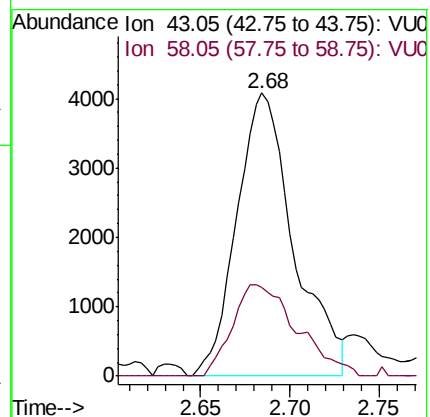
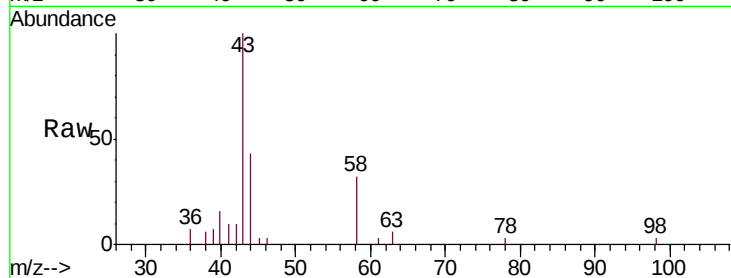
GARF1DL

Tgt Ion: 43 Resp: 9098

Ion Ratio Lower Upper

43 100

58 36.8 0.0 61.2



#16

Methylene chloride

Concen: 0.080 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035858.D

Acq: 26 Nov 2019 15:16

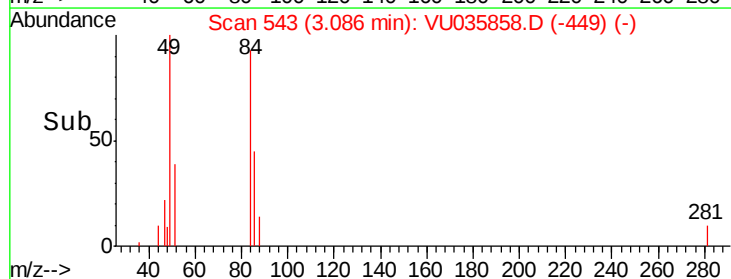
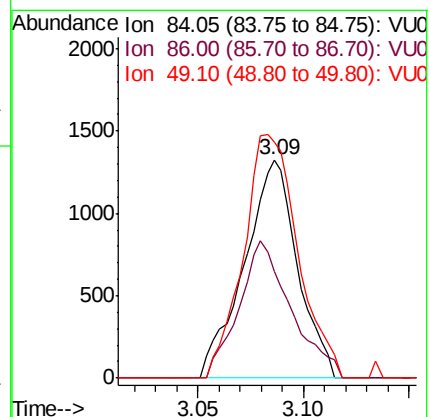
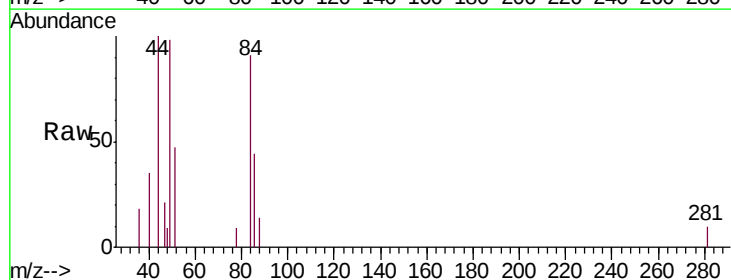
Tgt Ion: 84 Resp: 2324

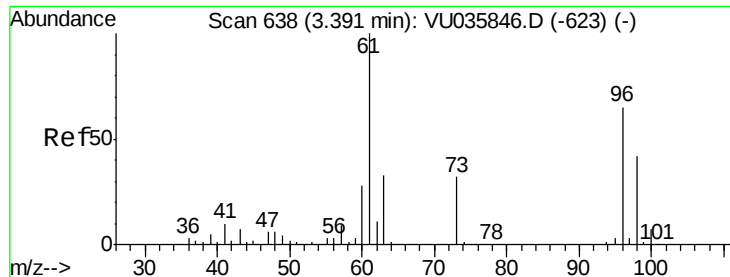
Ion Ratio Lower Upper

84 100

86 48.6 44.4 82.5

49 107.9 94.0 174.6

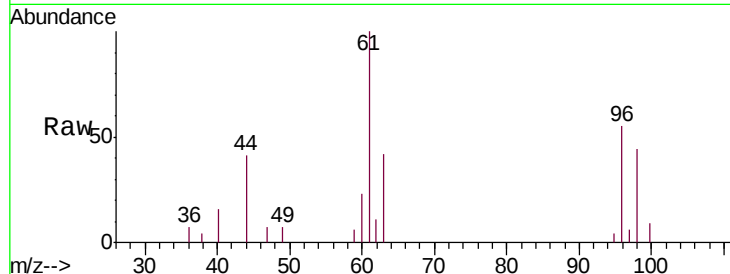




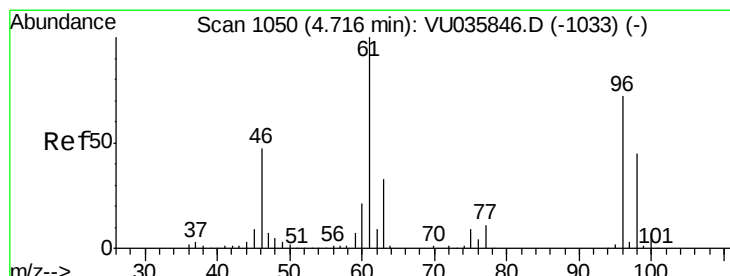
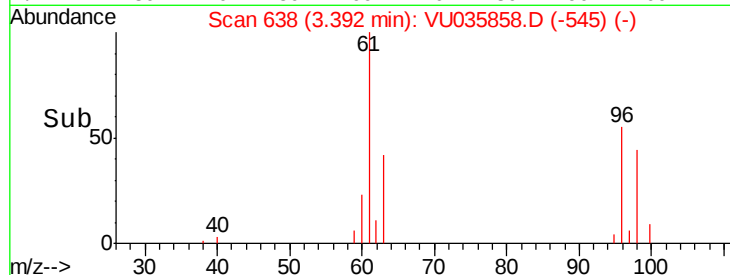
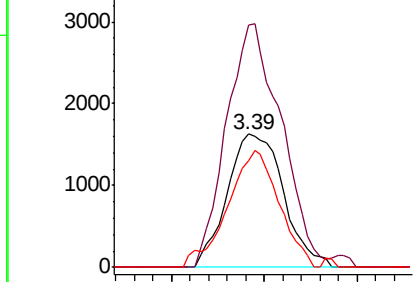
#18
 trans-1,2-Dichloroethene
 Concen: 0.146 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VU035858.D
 Acq: 26 Nov 2019 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GARF1DL

Tgt Ion: 96 Resp: 3442
 Ion Ratio Lower Upper
 96 100
 61 181.7 111.1 206.3
 98 80.2 43.1 80.1#

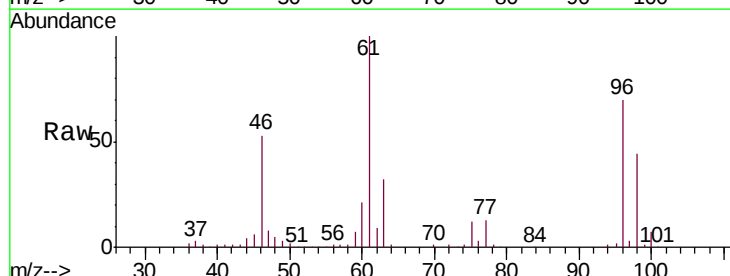


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

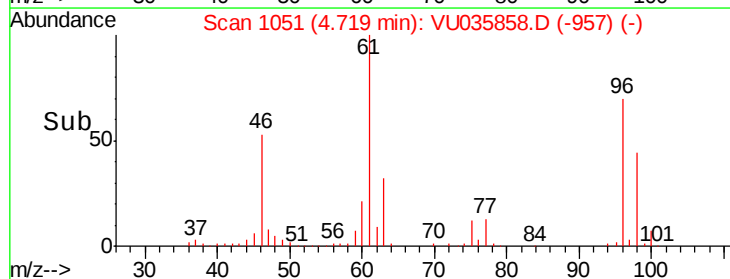
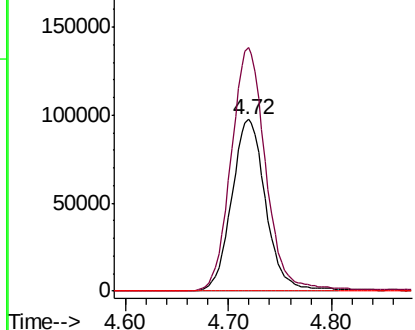


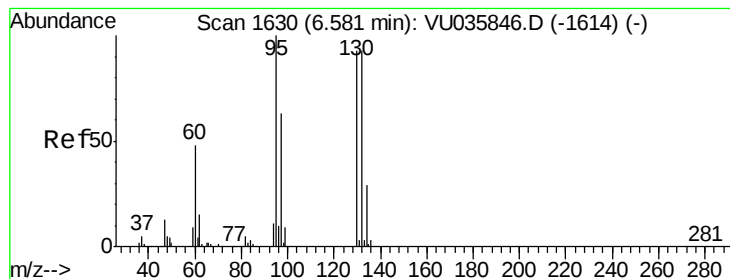
#22
 cis-1,2-Dichloroethene
 Concen: 8.507 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035858.D
 Acq: 26 Nov 2019 15:16

Tgt Ion: 96 Resp: 224009
 Ion Ratio Lower Upper
 96 100
 61 142.0 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





#34

Trichloroethene

Concen: 31.917 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035858.D

Acq: 26 Nov 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

GARF1DL

Tgt Ion: 95 Resp: 874422

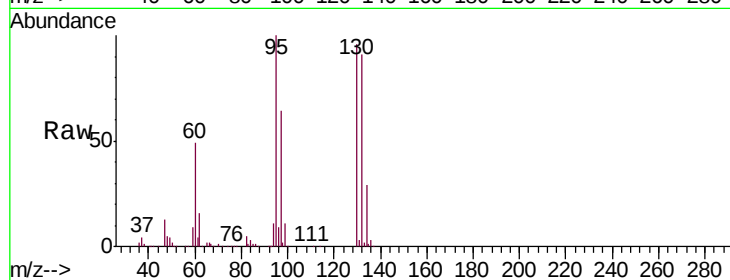
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.9

132 91.3 61.9 114.9

130 95.5 66.3 123.1

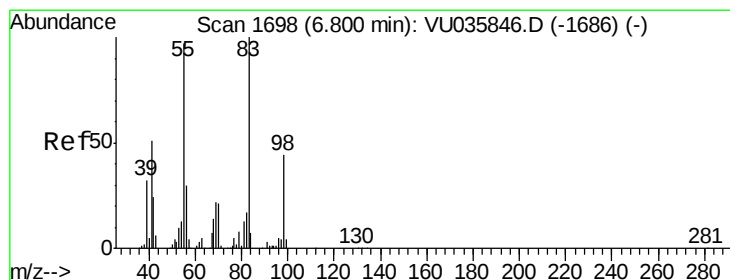
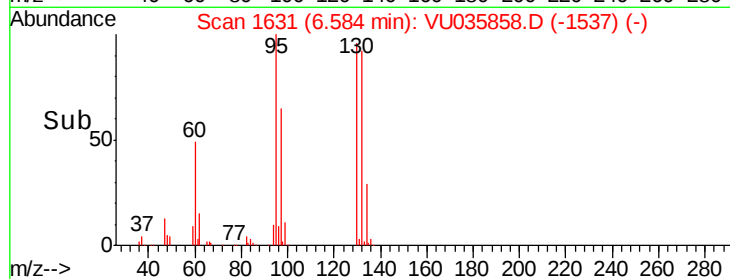
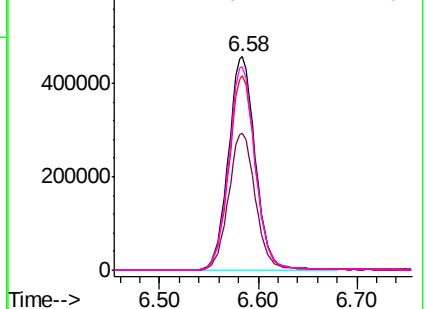


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.919 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035858.D

Acq: 26 Nov 2019 15:16

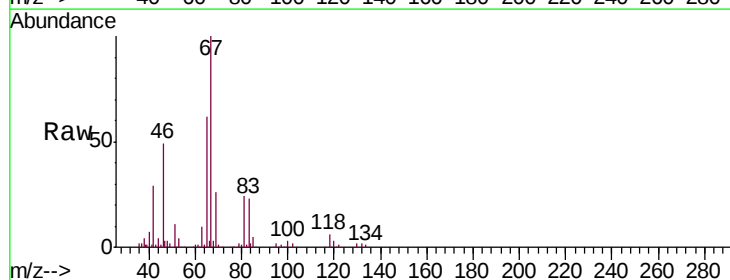
Tgt Ion: 83 Resp: 36936

Ion Ratio Lower Upper

83 100

55 0.5 72.7 109.1#

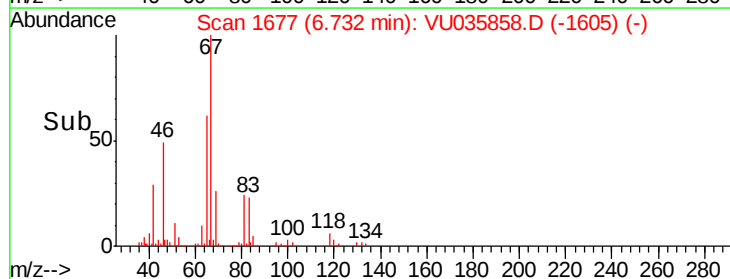
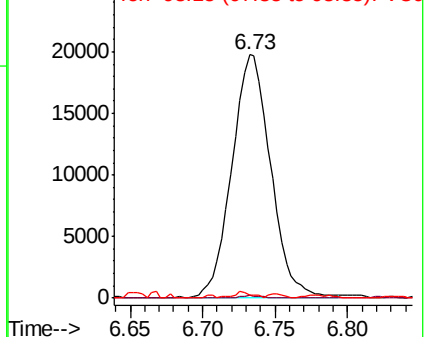
98 0.0 36.2 54.4#

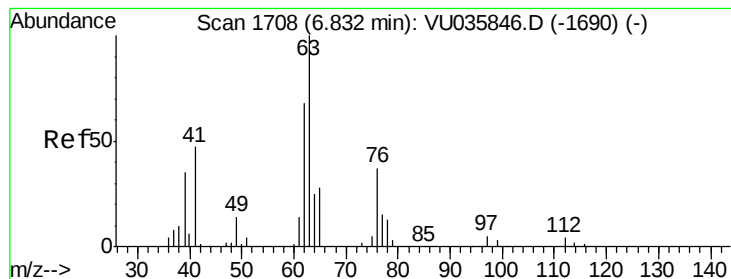


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.550 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035858.D

Acq: 26 Nov 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

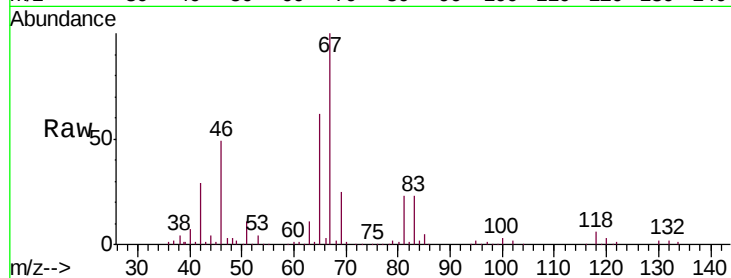
GARF1DL

Tgt Ion: 63 Resp: 17445

Ion Ratio Lower Upper

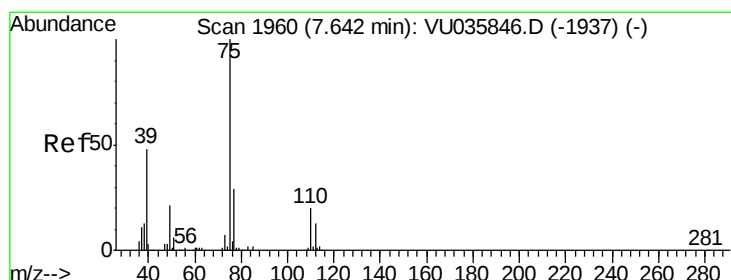
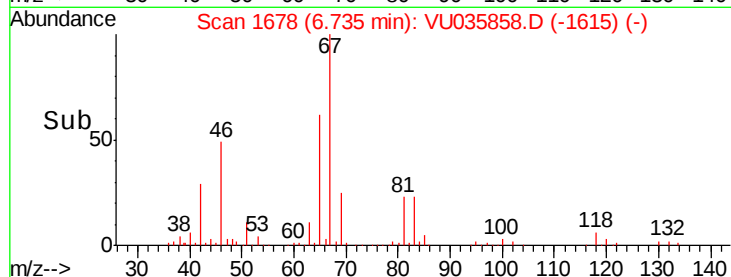
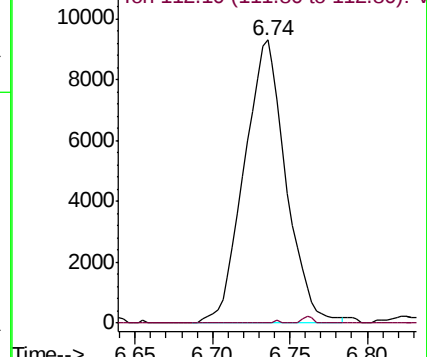
63 100

112 0.1 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU035858.D

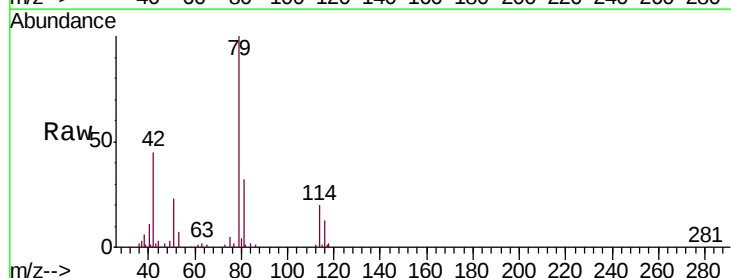
Acq: 26 Nov 2019 15:16

Tgt Ion: 75 Resp: 3921

Ion Ratio Lower Upper

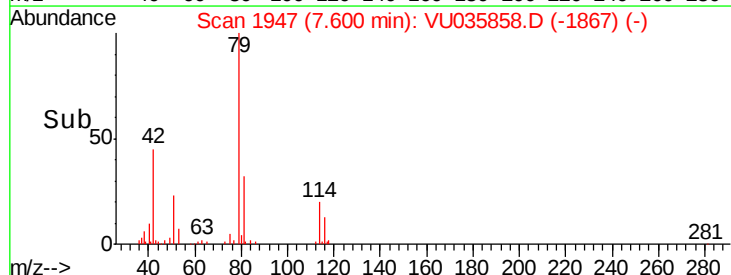
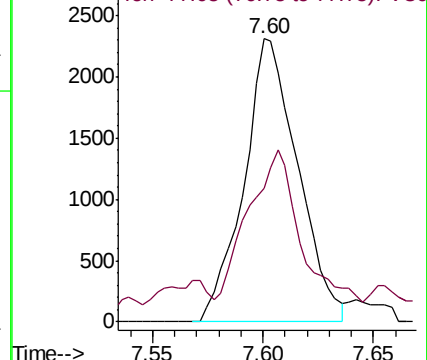
75 100

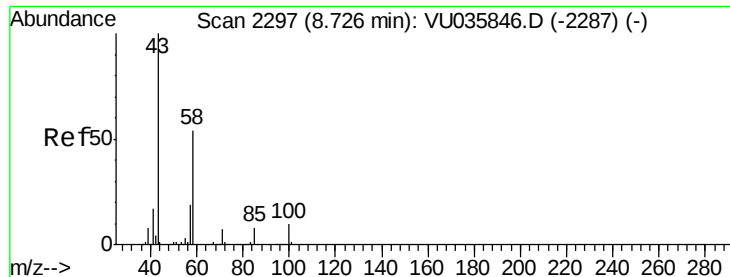
77 47.3 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

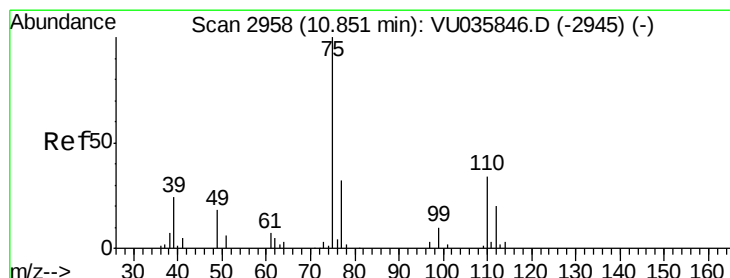
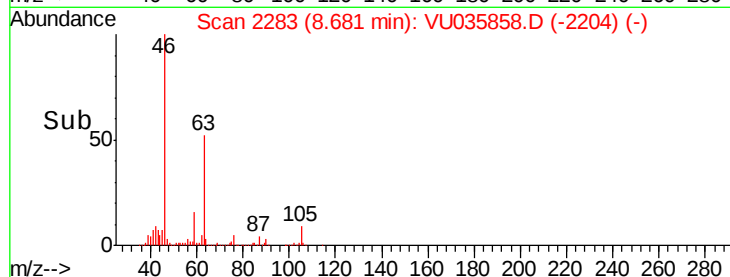
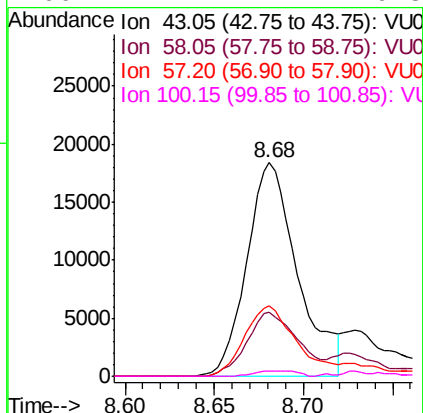
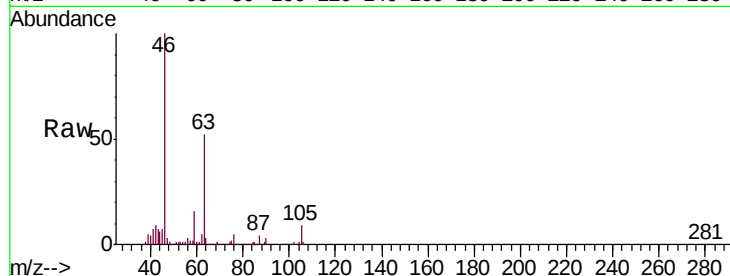




#48
 2-Hexanone
 Concen: 2.561 ug/L
 RT: 8.68 min Scan# 2283
 Delta R.T. -0.04 min
 Lab File: VU035858.D
 Acq: 26 Nov 2019 15:16

Instrument :
 MSVOA_U
 ClientSampleID :
 GARF1DL

Tgt Ion:	43	Resp:	36680
Ion	Ratio	Lower	Upper
43	100		
58	30.5	39.8	59.8#
57	33.5	14.0	21.0#
100	2.1	7.2	10.8#



#59
 1,2,3-Trichloropropane
 Concen: 0.625 ug/L
 RT: 11.84 min Scan# 3265
 Delta R.T. 0.99 min
 Lab File: VU035858.D
 Acq: 26 Nov 2019 15:16

Tgt Ion:	75	Resp:	12886
Ion	Ratio	Lower	Upper
75	100		
77	42.8	25.4	38.2#

