

Data File : VU031477.D
Acq On : 24 Apr 2019 17:53
Operator : JC/SP
Sample : K2517-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHY3

Quant Time: Apr 25 06:10:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:05:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	320285	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	309794	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	115152	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	136562	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.68	69	104445	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.27	63	197433	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.19	46	380736	55.38	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.76%
24) Chloroform-d	4.64	84	227417	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.31	65	126618	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
32) Benzene-d6	5.33	84	445972	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.33	67	148998	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.56	98	349482	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.85	79	50291	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.31	63	255233	48.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111757	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	115902	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

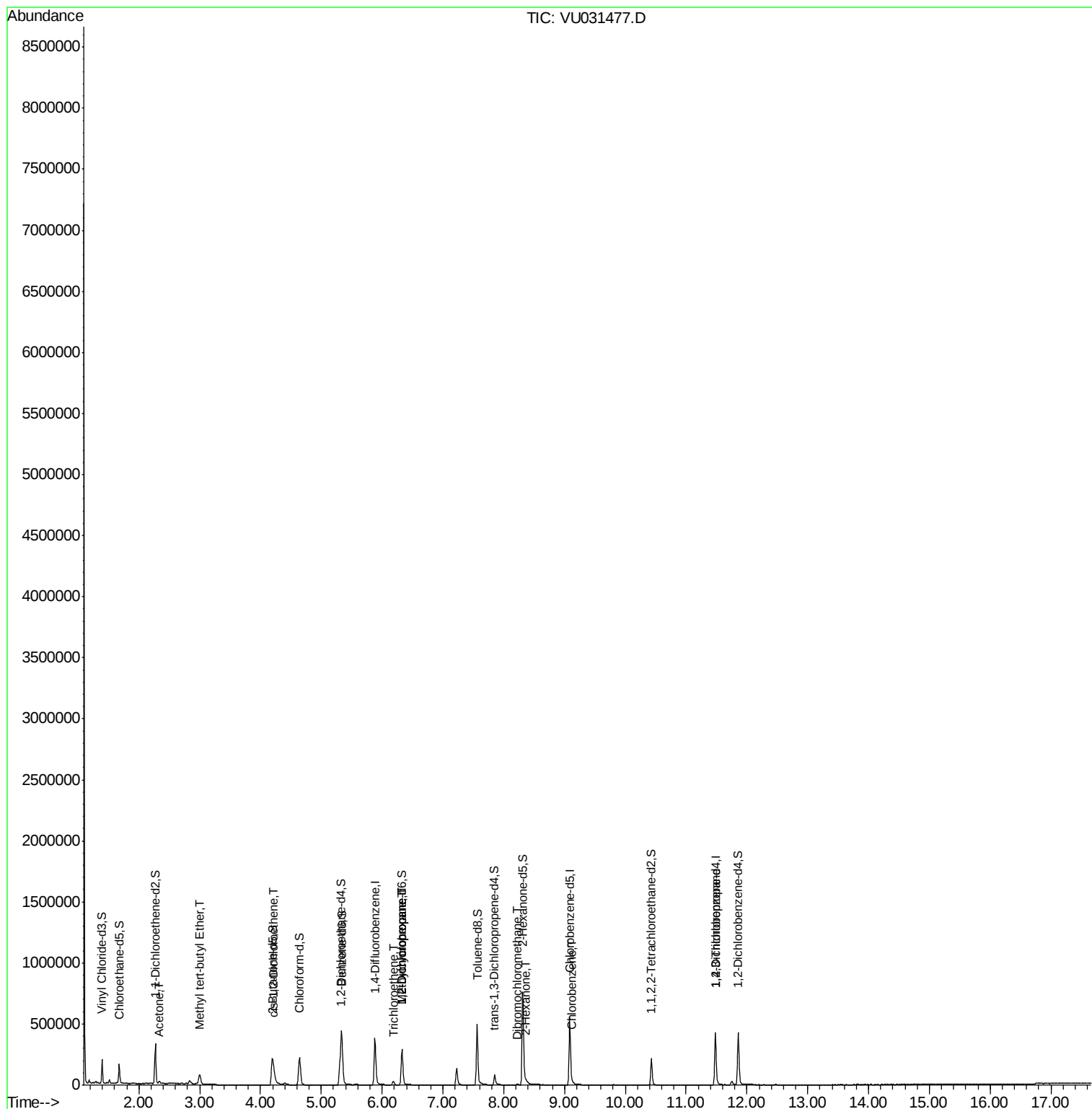
					Qvalue
13) Acetone	2.33	43	17694	3.622	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	80369	1.279	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	20248	0.835	ug/L 93
34) Trichloroethene	6.19	95	10905	0.432	ug/L 95
35) Methylcyclohexane	6.33	83	32848	0.880	ug/L # 15
37) 1,2-Dichloropropane	6.33	63	14660	0.571	ug/L # 89
48) 2-Hexanone	8.37	43	14441	1.173	ug/L # 74
49) Dibromochloromethane	8.23	129	1702	0.087	ug/L # 9
51) Chlorobenzene	9.12	112	11455	0.197	ug/L 95
59) 1,2,3-Trichloropropane	11.48	75	14633	0.905	ug/L # 79

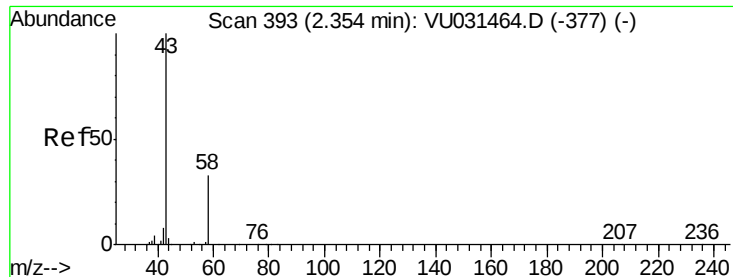
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.622 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

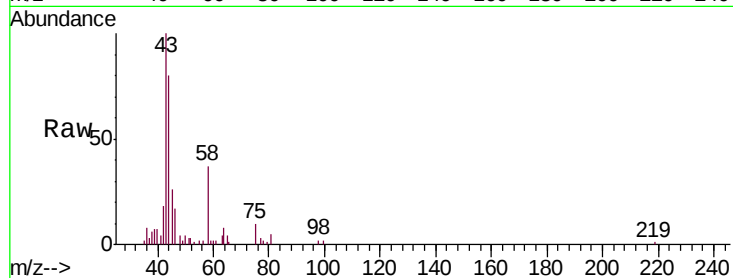
GAHY3

Tgt Ion: 43 Resp: 17694

Ion Ratio Lower Upper

43 100

58 32.1 0.0 62.4



Abundance Ion 43.05 (42.75 to 43.75): VU031464.D (-377) (-)

Ion 58.05 (57.75 to 58.75): VU031464.D (-377) (-)

8000

6000

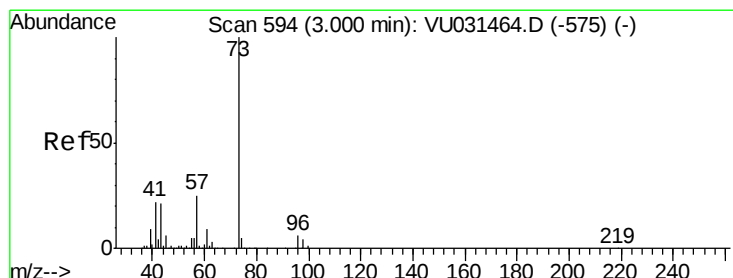
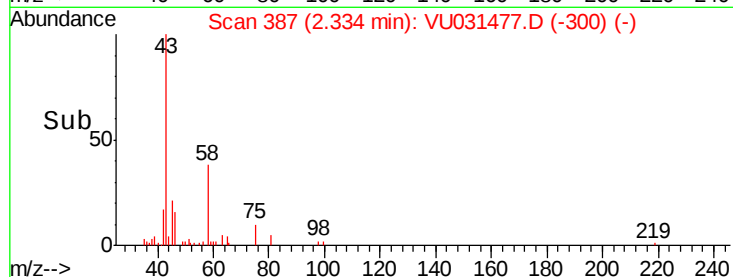
4000

2000

0

2.25 2.30 2.35 2.40

Time-->



#17

Methyl tert-butyl Ether

Concen: 1.279 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU031477.D

Acq: 24 Apr 2019 17:53

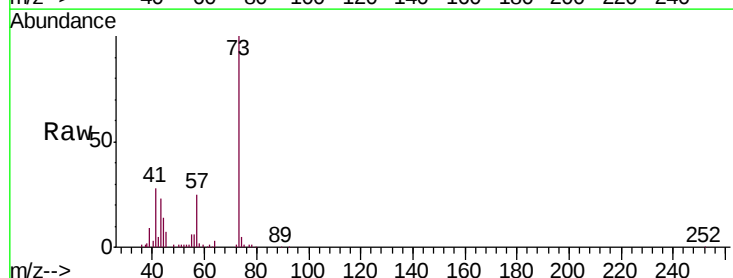
Tgt Ion: 73 Resp: 80369

Ion Ratio Lower Upper

73 100

43 22.9 15.4 23.0

57 23.5 19.1 28.7



Abundance Ion 73.10 (72.80 to 73.80): VU031464.D (-575) (-)

Ion 43.05 (42.75 to 43.75): VU031464.D (-575) (-)

Ion 57.10 (56.80 to 57.80): VU031464.D (-575) (-)

40000

30000

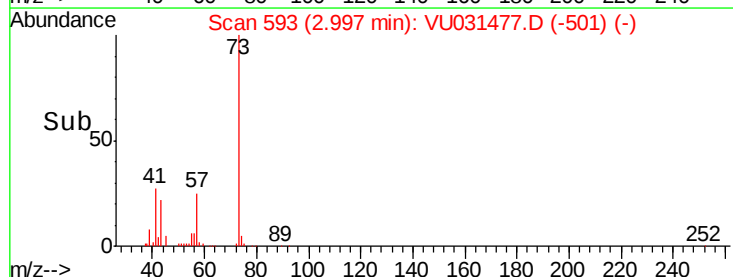
20000

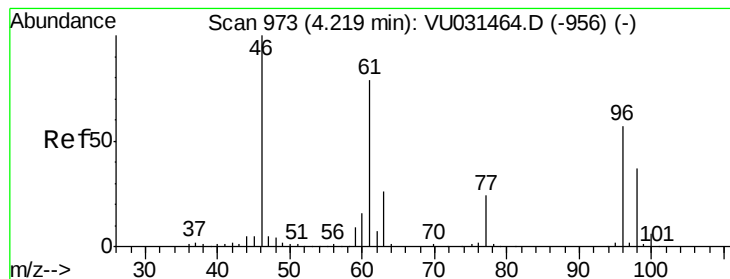
10000

0

2.90 2.95 3.00 3.05

Time-->



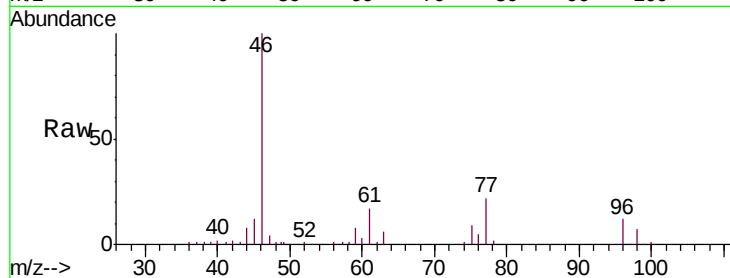


#22

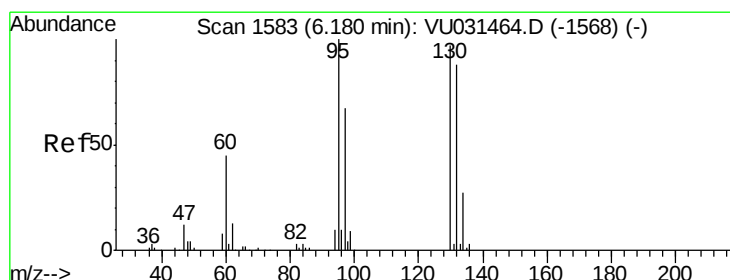
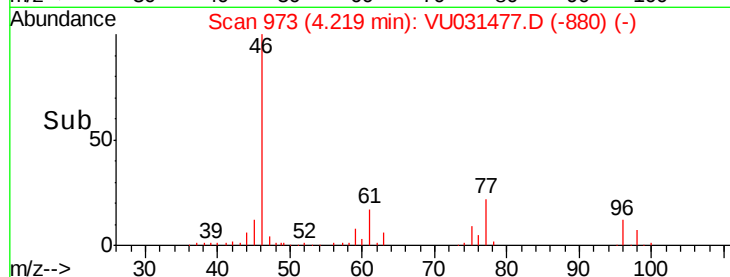
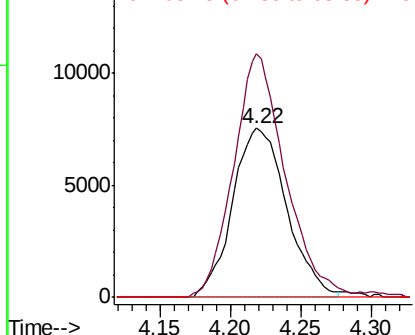
cis-1,2-Dichloroethene
Concen: 0.835 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU031477.D
Acq: 24 Apr 2019 17:53

Instrument :
MSVOA_U
ClientSampleId :
GAHY3

Tgt Ion: 96 Resp: 20248
Ion Ratio Lower Upper
96 100
61 144.0 94.8 176.2
68 0.0 0.0 0.0



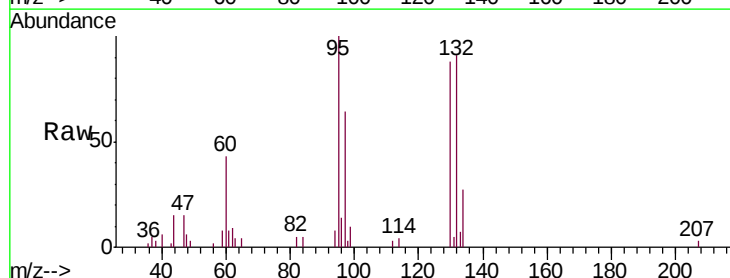
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



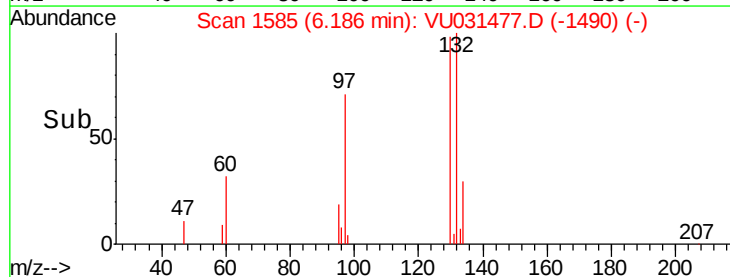
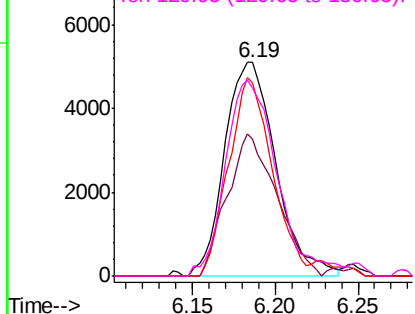
#34

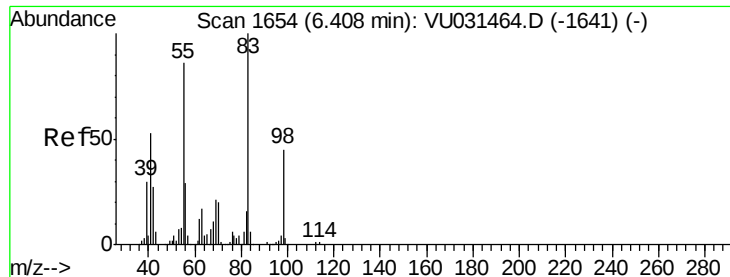
Trichloroethene
Concen: 0.432 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VU031477.D
Acq: 24 Apr 2019 17:53

Tgt Ion: 95 Resp: 10905
Ion Ratio Lower Upper
95 100
97 63.9 44.3 82.3
132 90.5 59.9 111.3
130 88.4 67.1 124.5



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: 0.880 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU031477.D

Acq: 24 Apr 2019 17:53

Instrument :

MSVOA_U

ClientSampleId :

GAHY3

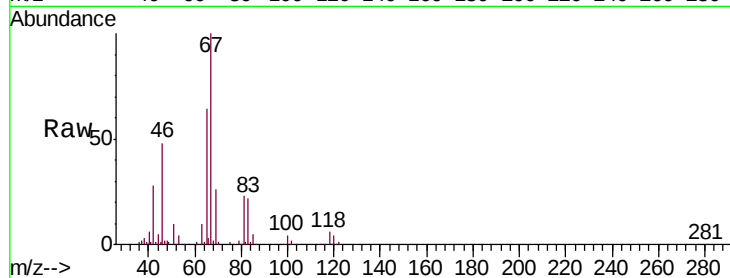
Tgt Ion: 83 Resp: 32848

Ion Ratio Lower Upper

83 100

55 0.3 71.1 106.7#

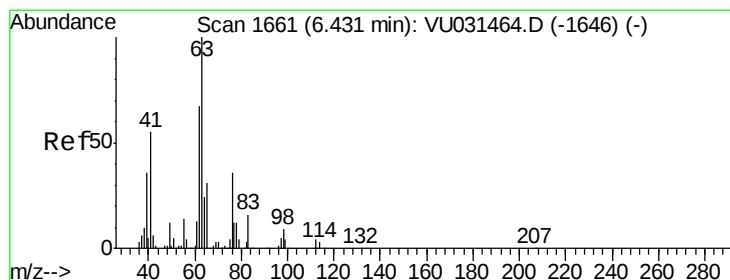
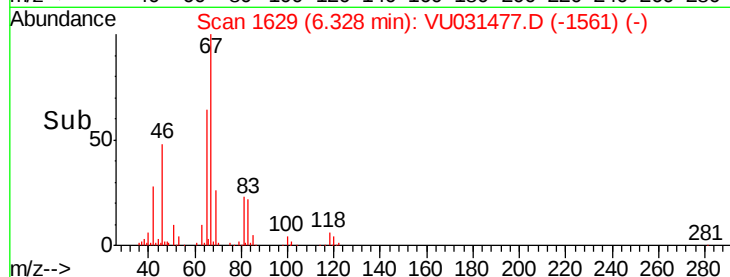
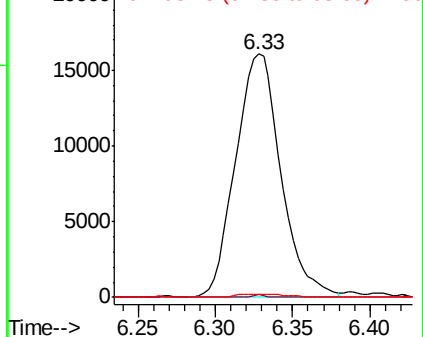
98 1.3 36.6 54.8#



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: 0.571 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU031477.D

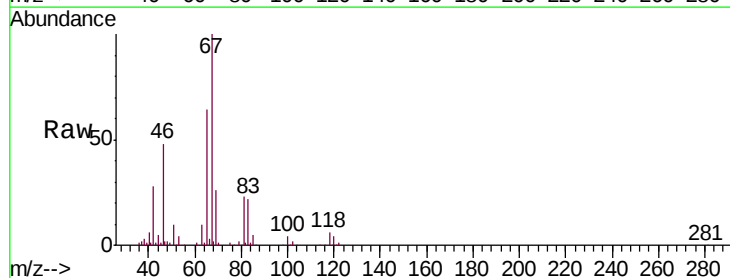
Acq: 24 Apr 2019 17:53

Tgt Ion: 63 Resp: 14660

Ion Ratio Lower Upper

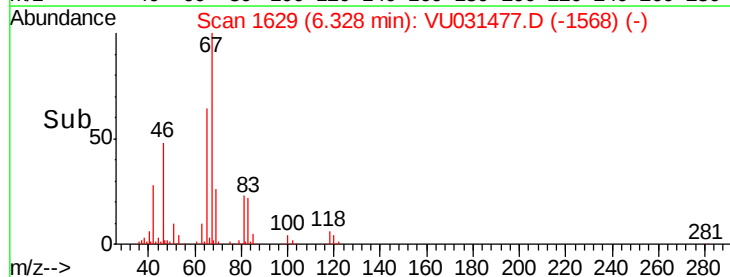
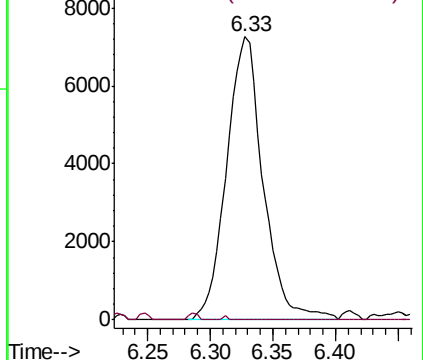
63 100

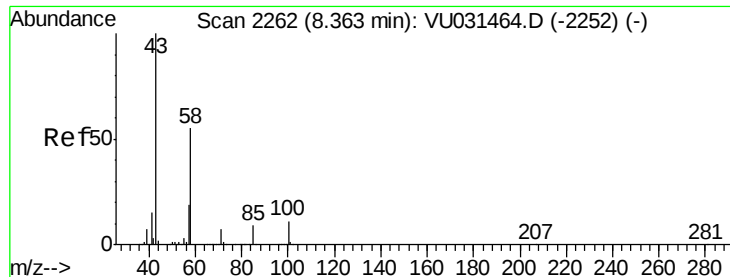
112 0.1 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

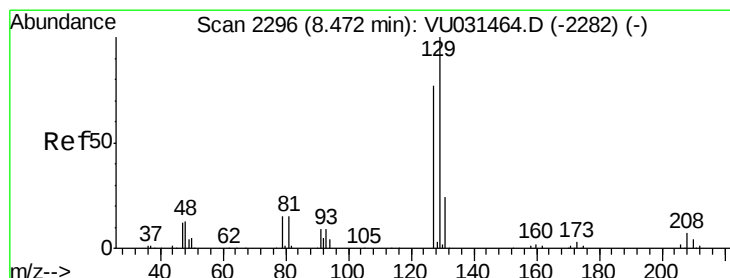
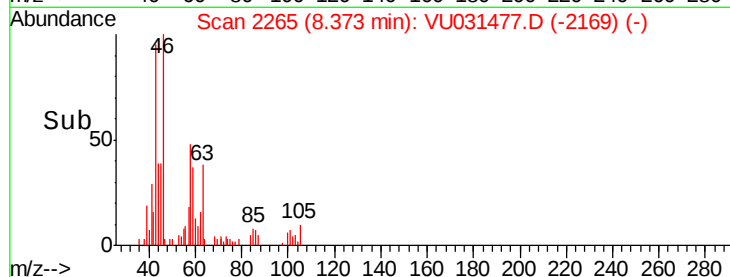
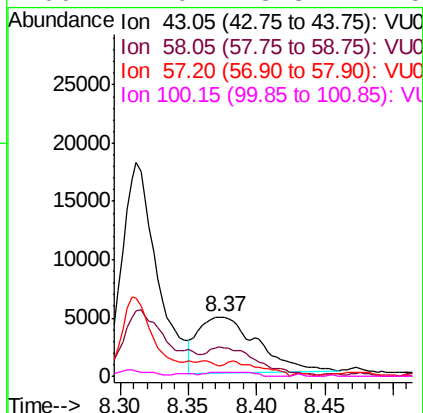
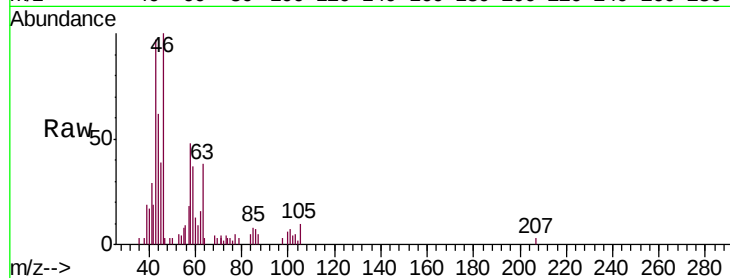




#48
2-Hexanone
Concen: 1.173 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU031477.D
Acq: 24 Apr 2019 17:53

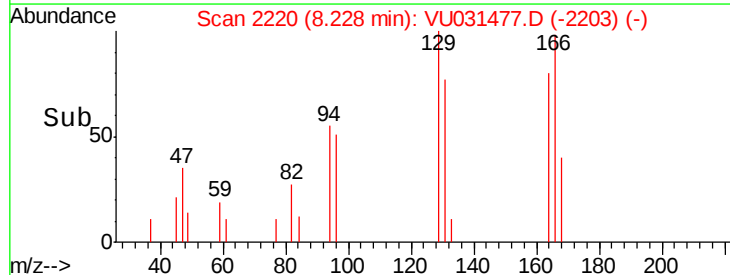
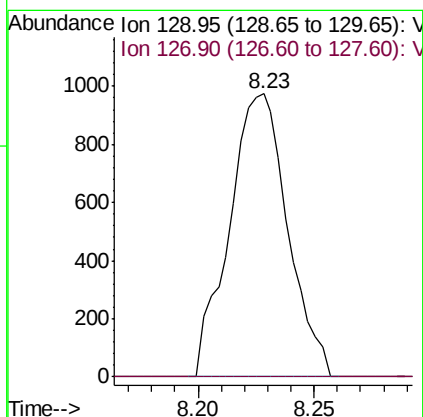
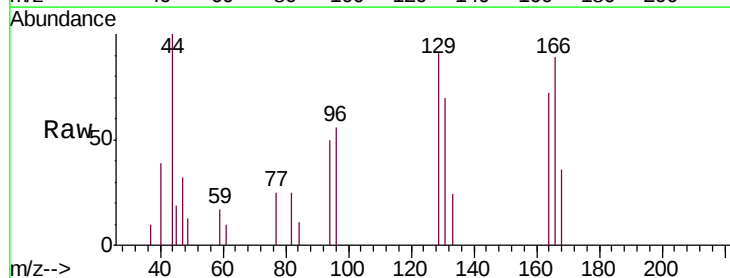
Instrument :
MSVOA_U
ClientSampleId :
GAHY3

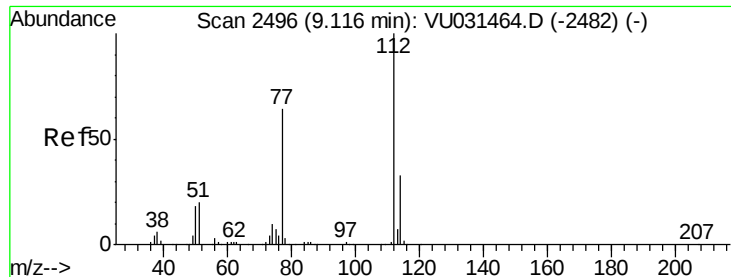
Tgt Ion: 43 Resp: 14441
Ion Ratio Lower Upper
43 100
58 40.3 44.6 67.0#
57 0.0 15.3 22.9#
100 2.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.087 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. -0.24 min
Lab File: VU031477.D
Acq: 24 Apr 2019 17:53

Tgt Ion: 129 Resp: 1702
Ion Ratio Lower Upper
129 100
127 0.0 56.6 105.0#

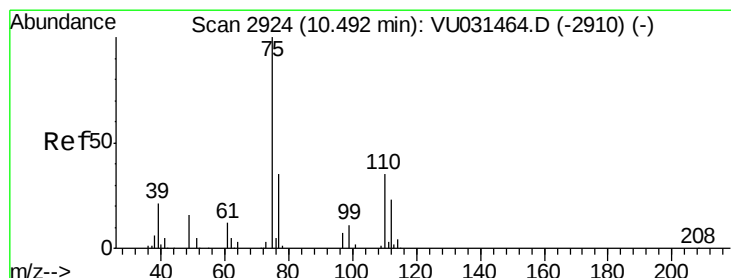
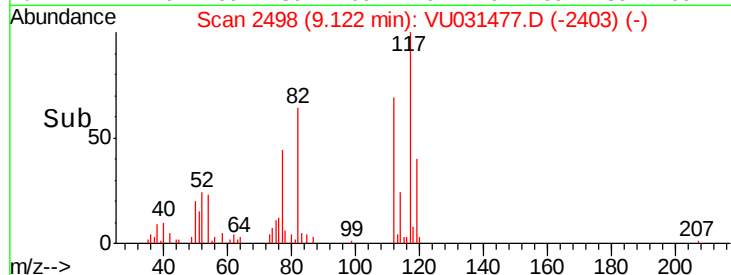
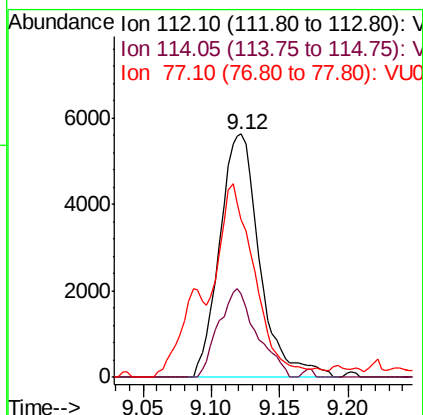
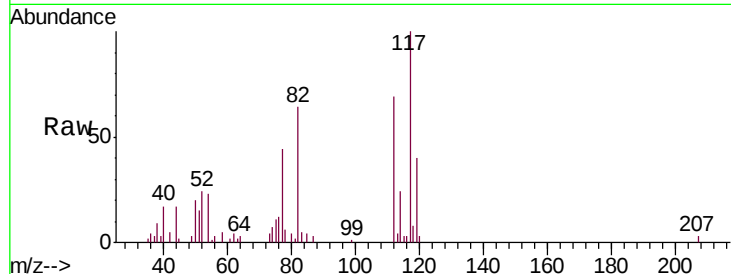




#51
Chlorobenzene
Concen: 0.197 ug/L
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU031477.D
Acq: 24 Apr 2019 17:53

Instrument :
MSVOA_U
ClientSampleId :
GAHY3

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.2	21.9	40.7
77	64.6	48.9	73.3



#59
1,2,3-Trichloropropane
Concen: 0.905 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031477.D
Acq: 24 Apr 2019 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	44.0	25.7	38.5#

