

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071719\
 Data File : VU033285.D
 Acq On : 17 Jul 2019 12:50
 Operator : JC/SP
 Sample : K3772-22
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M0

Quant Time: Jul 18 08:44:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 18 08:01:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	128135	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	133676	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	57827	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54382	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.67	69	48806	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.26	63	99645	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.17	46	110028	45.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.50%
24) Chloroform-d	4.62	84	79684	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.29	65	49696	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.32	84	177670	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.31	67	56957	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.55	98	158007	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.84	79	20712	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.30	63	85878	44.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.08%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	47199	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	58807	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

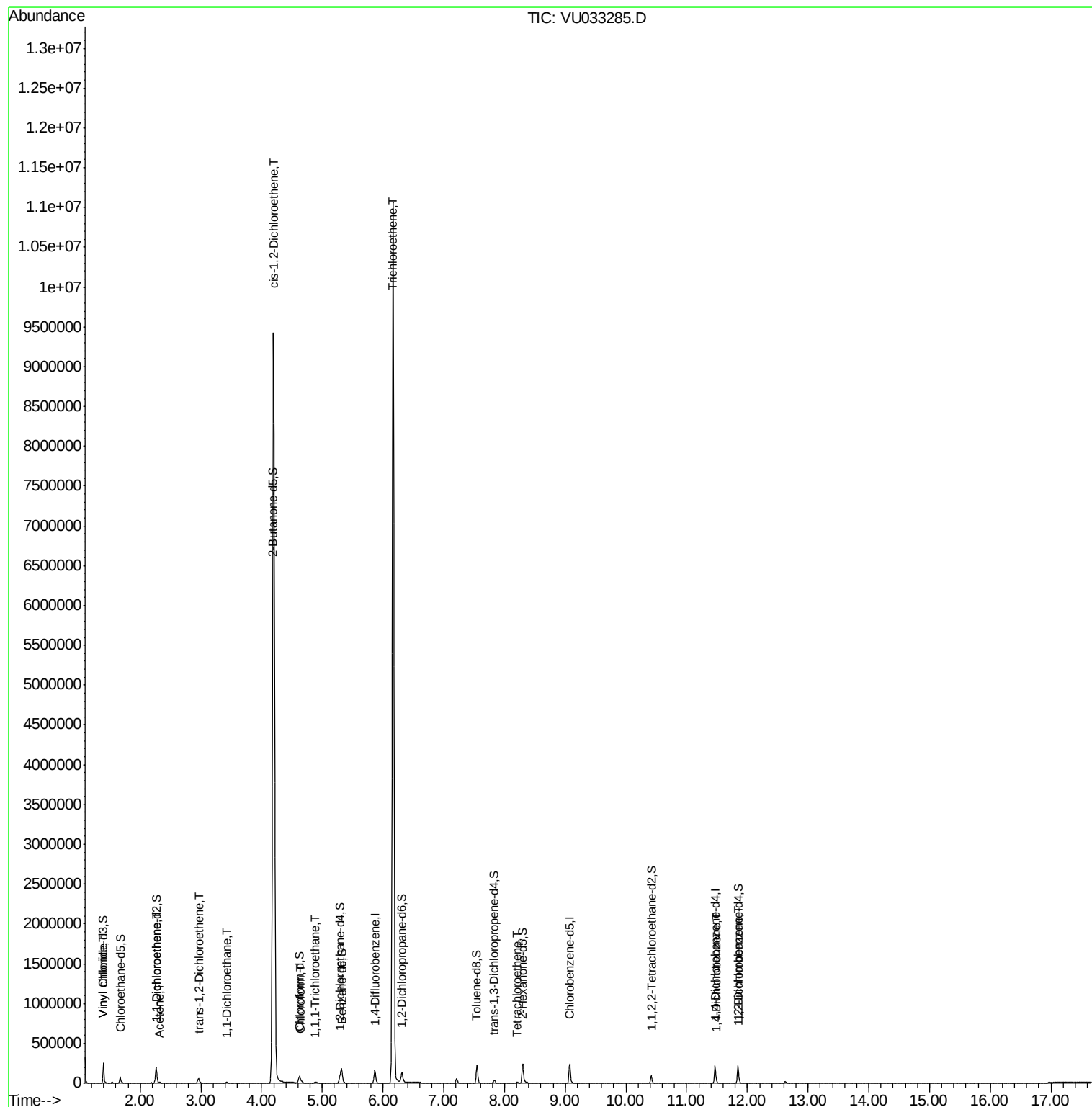
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	121199	8.786	ug/L	100
12) 1,1-Dichloroethene	2.27	96	22272	2.116	ug/L #	70
13) Acetone	2.31	43	6623	3.111	ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	21626	1.860	ug/L	99
19) 1,1-Dichloroethane	3.42	63	10265	0.587	ug/L	94
22) cis-1,2-Dichloroethene	4.20	96	5016274	510.422	ug/L	92
25) Chloroform	4.65	83	10657	0.551	ug/L	96
29) 1,1,1-Trichloroethane	4.89	97	6708	0.434	ug/L	92
34) Trichloroethene	6.16	95	3721631	371.527	ug/L	97
47) Tetrachloroethene	8.21	164	3335	0.415	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	2793	0.153	ug/L #	86
65) 1,2-Dichlorobenzene	11.86	146	3701	0.216	ug/L #	91

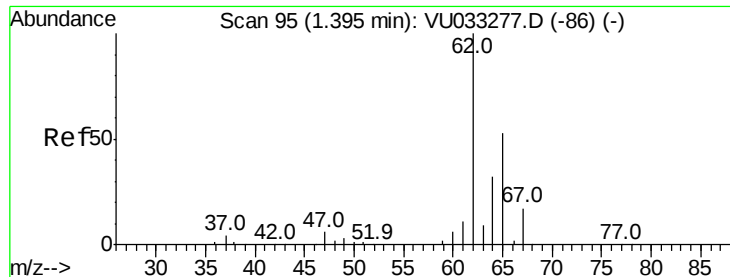
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071719\
Data File : VU033285.D
Acq On : 17 Jul 2019 12:50
Operator : JC/SP
Sample : K3772-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52M0

Quant Time: Jul 18 08:44:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.786 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033285.D

Acq: 17 Jul 2019 12:50

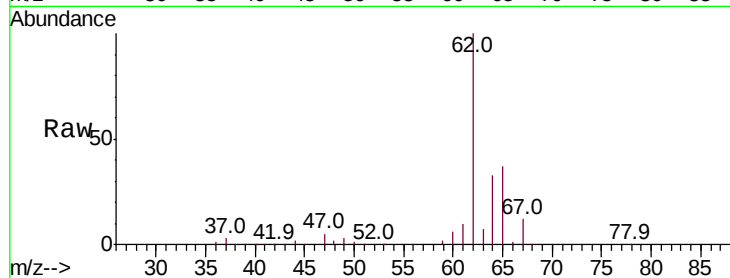
Instrument :
MSVOA_U
ClientSampleId :
A52M0

Tot Ion: 62 Resp: 121199

Ion Ratio Lower Upper

62 100

64 32.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

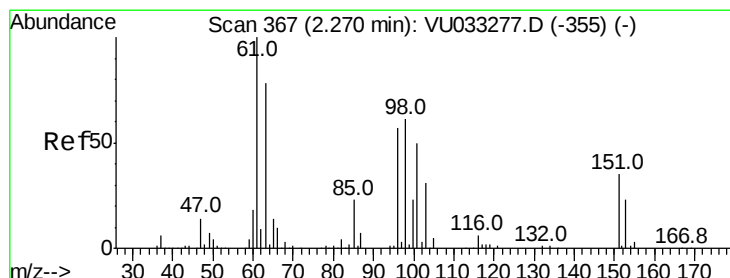
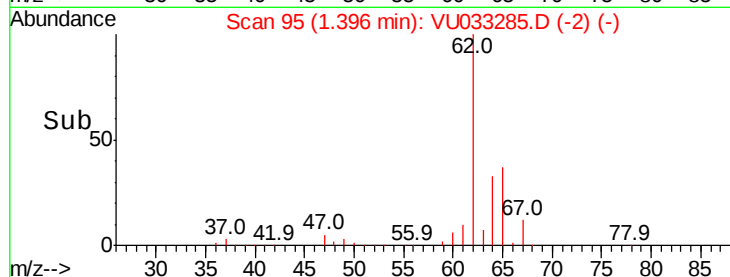
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#12

1,1-Dichloroethene

Concen: 2.116 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033285.D

Acq: 17 Jul 2019 12:50

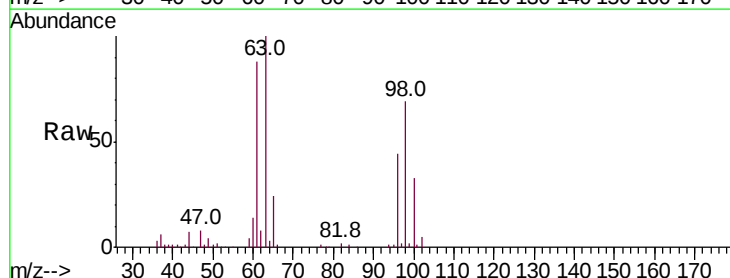
Tgt Ion: 96 Resp: 22272

Ion Ratio Lower Upper

96 100

61 198.5 129.3 240.1

63 226.3 108.9 202.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

80000

60000

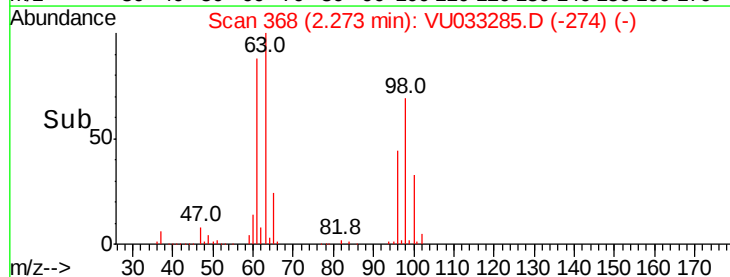
40000

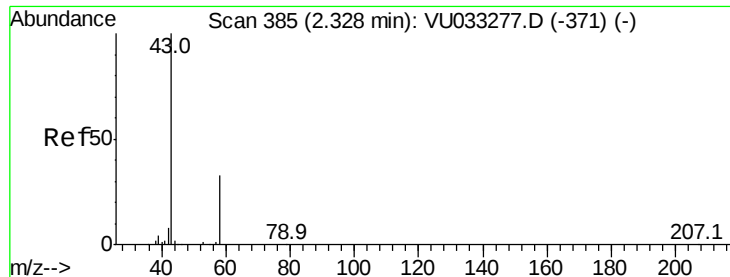
20000

0

Time-->

2.20 2.25 2.30 2.35





#13

Acetone

Concen: 3.111 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU033285.D

Acq: 17 Jul 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

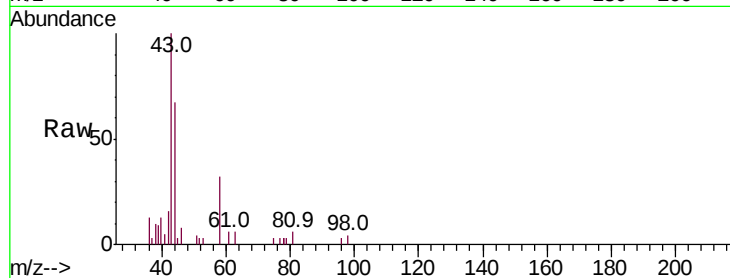
A52M0

Tot Ion: 43 Resp: 6623

Ion Ratio Lower Upper

43 100

58 32.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033277.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU033277.D (-371) (-)

2.31

4000

3000

2000

1000

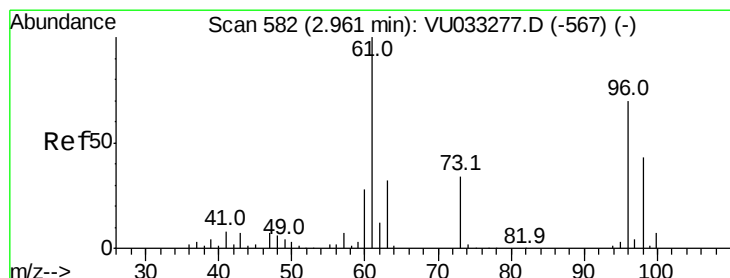
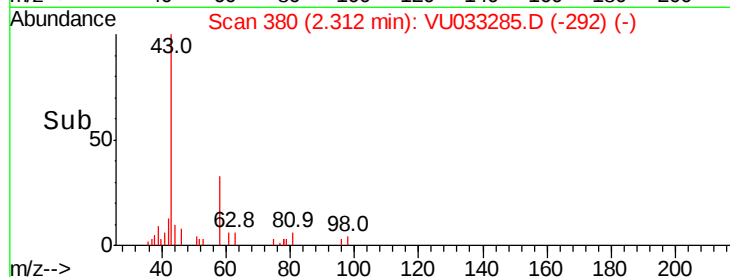
0

Time-->

2.25

2.30

2.35



#18

trans-1,2-Dichloroethene

Concen: 1.860 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033285.D

Acq: 17 Jul 2019 12:50

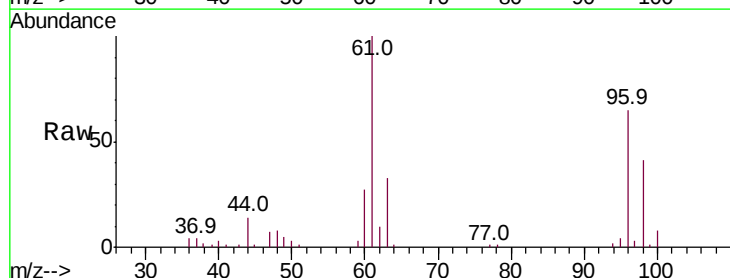
Tgt Ion: 96 Resp: 21626

Ion Ratio Lower Upper

96 100

61 153.1 107.1 198.9

98 63.5 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU033277.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU033277.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU033277.D (-567) (-)

20000

15000

10000

5000

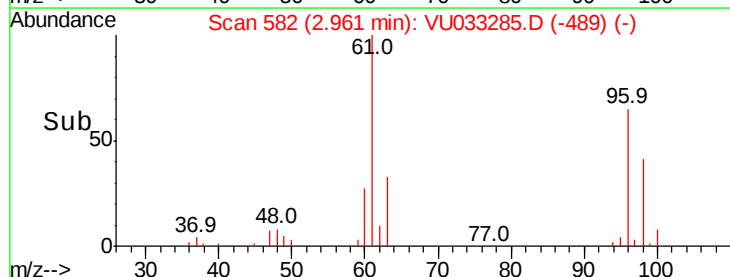
0

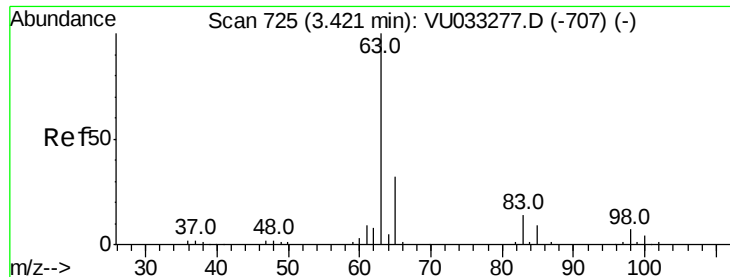
Time-->

2.90

2.95

3.00

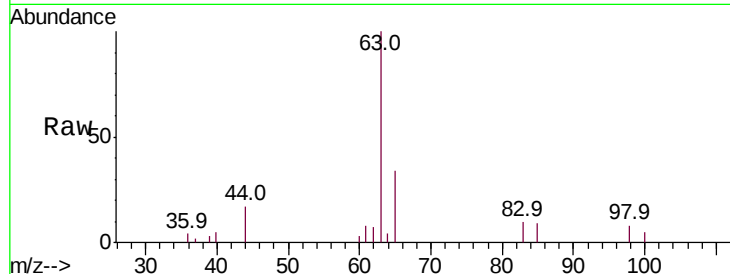




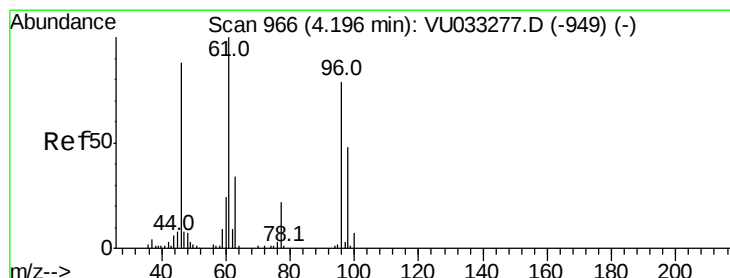
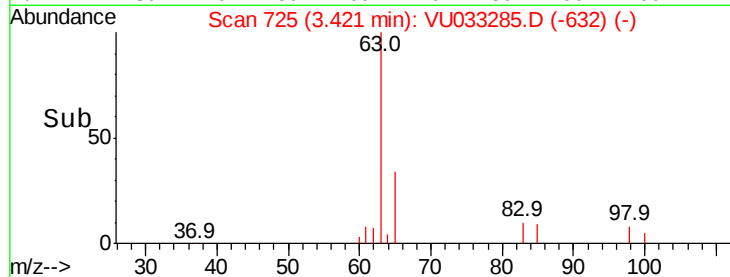
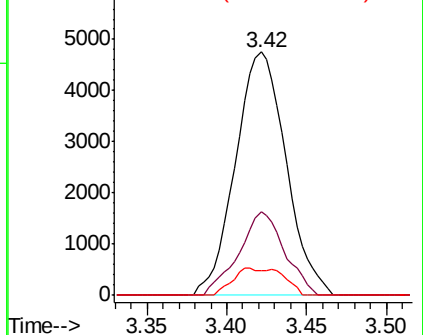
#19
 1,1-Dichloroethane
 Concen: 0.587 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033285.D
 Acq: 17 Jul 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M0

Tot Ion: 63 Resp: 10265
 Ion Ratio Lower Upper
 63 100
 65 34.2 21.7 40.3
 83 10.1 9.0 16.8

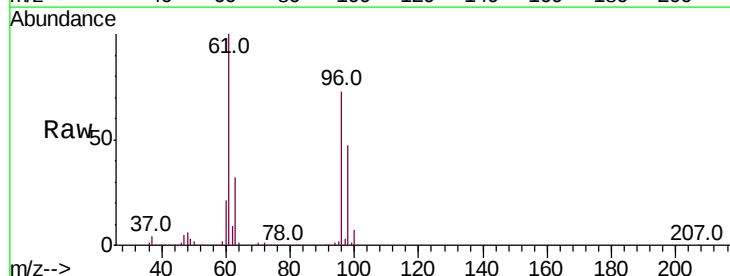


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

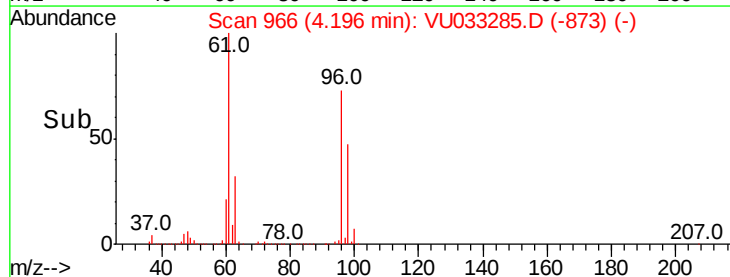
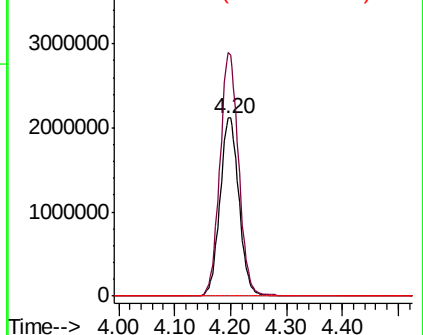


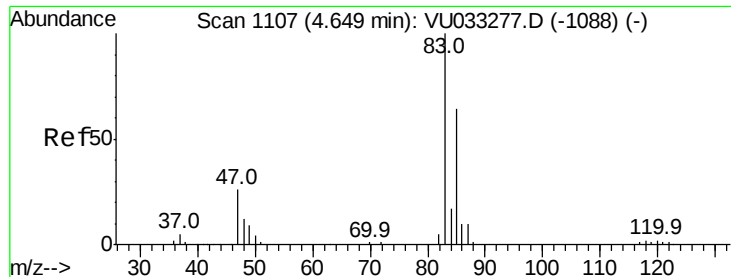
#22
 cis-1,2-Dichloroethene
 Concen: 510.422 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033285.D
 Acq: 17 Jul 2019 12:50

Tgt Ion: 96 Resp: 5016274
 Ion Ratio Lower Upper
 96 100
 61 136.9 89.2 165.6
 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: 0.551 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033285.D

Acq: 17 Jul 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

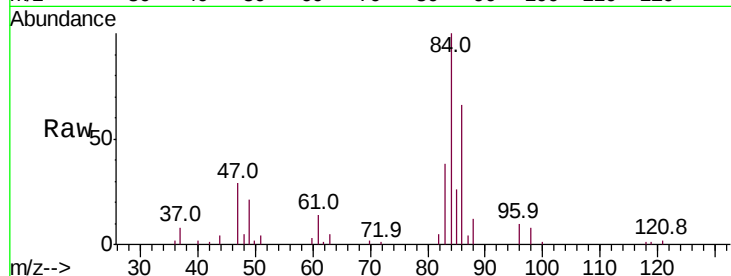
A52M0

Tot Ion: 83 Resp: 10657

Ion Ratio Lower Upper

83 100

85 68.4 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU033277.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU033285.D (-1014) (-)

4.65

4000

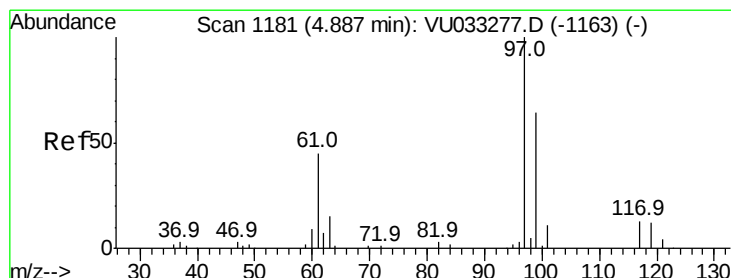
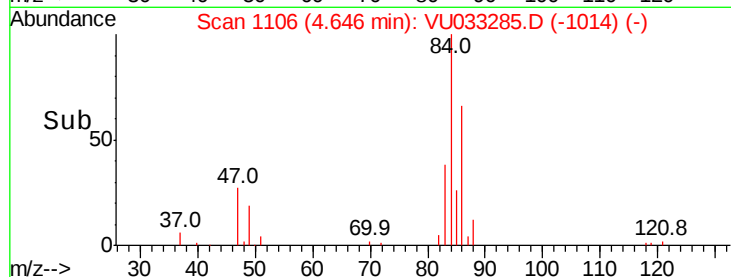
3000

2000

1000

0

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.434 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU033285.D

Acq: 17 Jul 2019 12:50

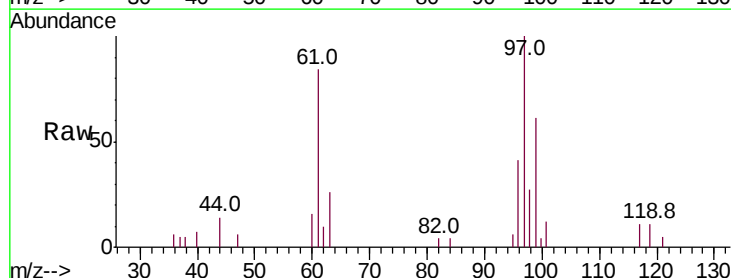
Tgt Ion: 97 Resp: 6708

Ion Ratio Lower Upper

97 100

99 60.5 51.6 77.4

61 53.9 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VU033277.D (-1163) (-)

Ion 99.05 (98.75 to 99.75): VU033285.D (-1014) (-)

Ion 61.05 (60.75 to 61.75): VU033285.D (-1014) (-)

4.89

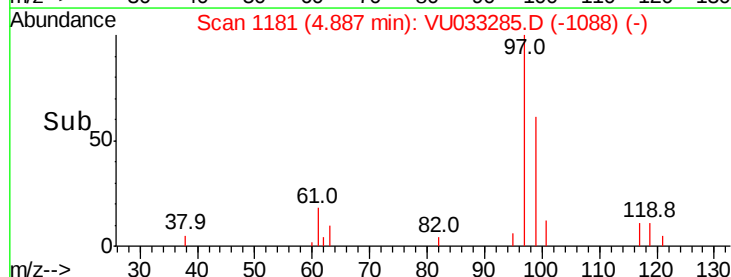
3000

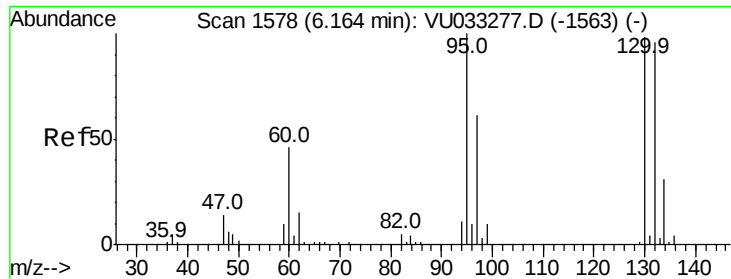
2000

1000

0

Time-->





#34

Trichloroethene

Concen: 371.527 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033285.D

Acq: 17 Jul 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

A52M0

Tot Ion: 95 Resp: 3721631

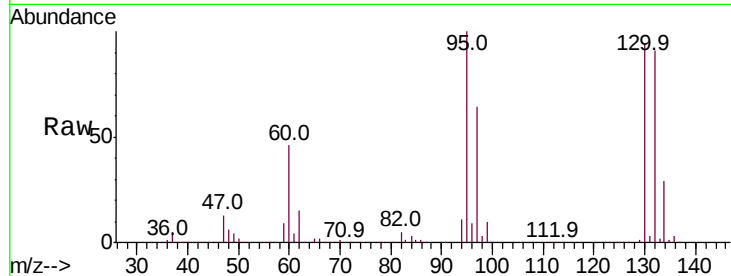
Ion Ratio Lower Upper

95 100

97 64.4 44.5 82.7

132 91.0 66.6 123.8

130 94.2 68.9 127.9

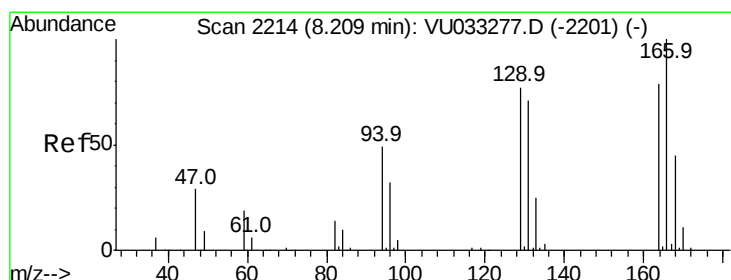
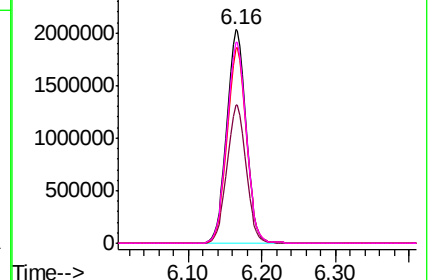
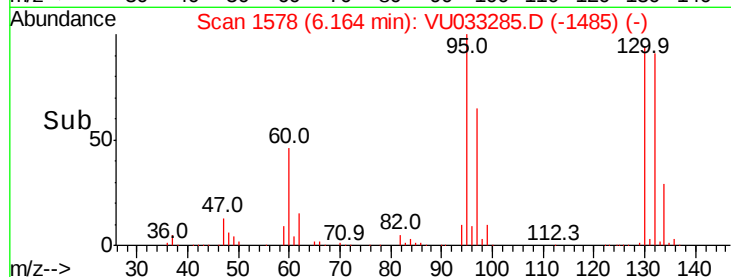


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 0.415 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033285.D

Acq: 17 Jul 2019 12:50

Tgt Ion:164 Resp: 3335

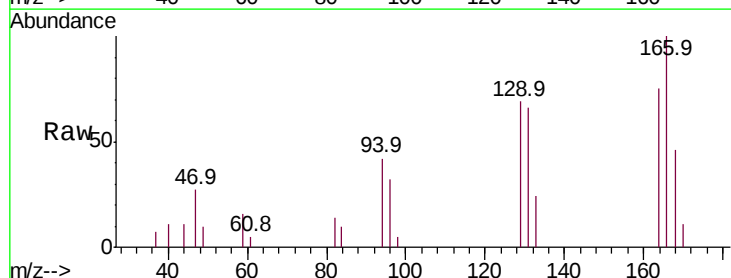
Ion Ratio Lower Upper

164 100

129 91.5 68.5 127.1

131 87.7 67.3 124.9

166 132.8 93.1 172.9

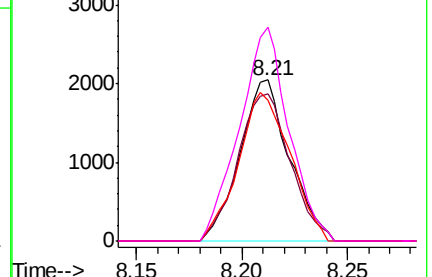
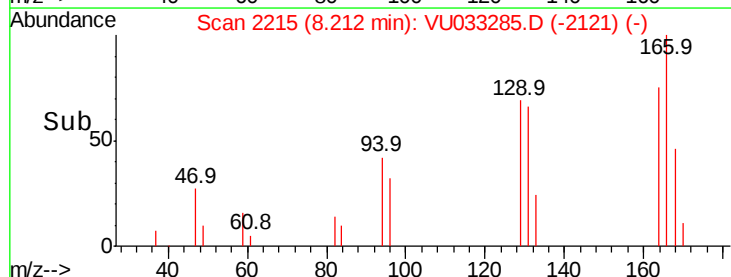


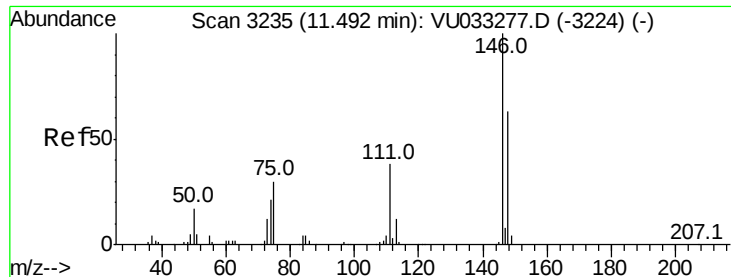
Abundance Ion 163.90 (163.60 to 164.60): V

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

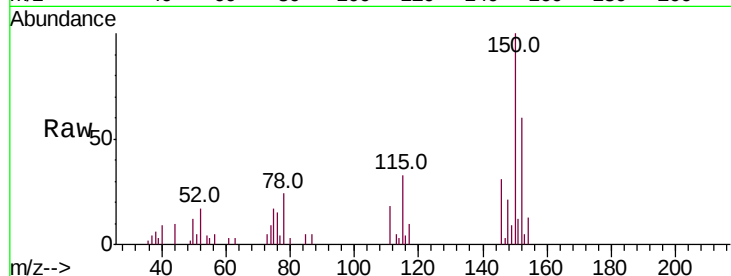




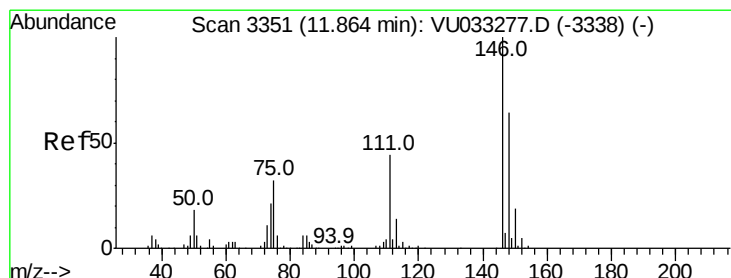
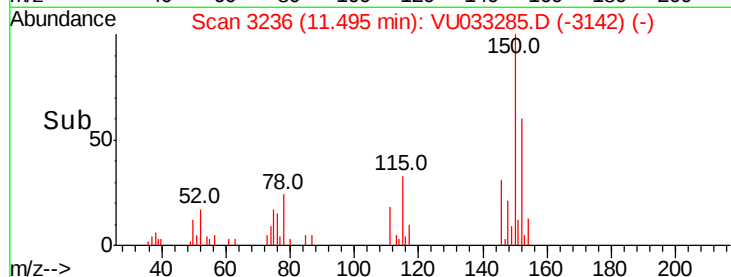
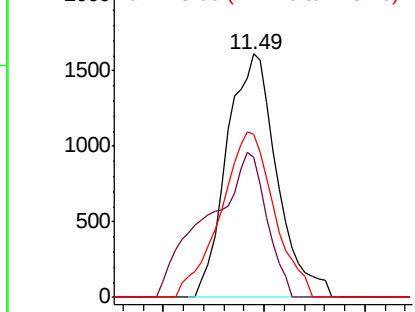
#63
 1,4-Dichlorobenzene
 Concen: 0.153 ug/L
 RT: 11.49 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU033285.D
 Acq: 17 Jul 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M0

Tot Ion:146 Resp: 2793
 Ion Ratio Lower Upper
 146 100
 111 57.5 27.9 51.7#
 148 67.1 44.1 81.9

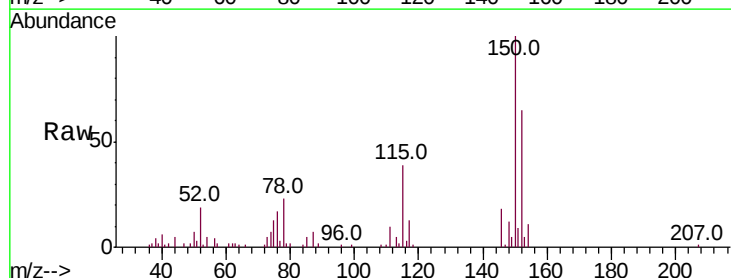


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#65
 1,2-Dichlorobenzene
 Concen: 0.216 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033285.D
 Acq: 17 Jul 2019 12:50

Tgt Ion:146 Resp: 3701
 Ion Ratio Lower Upper
 146 100
 111 54.4 34.2 51.4#
 148 66.9 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

