

Data File : VU033280.D
Acq On : 17 Jul 2019 10:25
Operator : JC/SP
Sample : K3772-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52R1

Quant Time: Jul 18 08:04:23 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	136592	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	140594	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	59980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57648	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.67	69	46952	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.26	63	110820	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	4.18	46	128165	49.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.88%
24) Chloroform-d	4.62	84	84007	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.29	65	48504	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.32	84	173901	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.31	67	55367	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.55	98	155464	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.83	79	20669	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.30	63	84605	41.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.52%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	46674	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	56342	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	6785	0.496 ug/L	97
5) Vinyl chloride	1.40	62	511011	34.752 ug/L	99
8) Chloroethane	1.69	64	6167	0.655 ug/L	94
12) 1,1-Dichloroethene	2.27	96	42618	3.798 ug/L	98
13) Acetone	2.31	43	5586	2.461 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	42703	3.445 ug/L	98
19) 1,1-Dichloroethane	3.42	63	12896	0.692 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	9305480	888.239 ug/L	95
25) Chloroform	4.65	83	3715	0.180 ug/L	83
29) 1,1,1-Trichloroethane	4.89	97	2864	0.176 ug/L #	93
34) Trichloroethene	6.17	95	4799224	455.527 ug/L	97
35) Methylcyclohexane	6.31	83	13300	0.838 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6249	0.580 ug/L #	89
42) Toluene	7.62	91	4088	0.096 ug/L	99
47) Tetrachloroethene	8.21	164	3941	0.467 ug/L	93
49) Dibromochloromethane	8.21	129	3665	0.395 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	7649	1.089 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071719\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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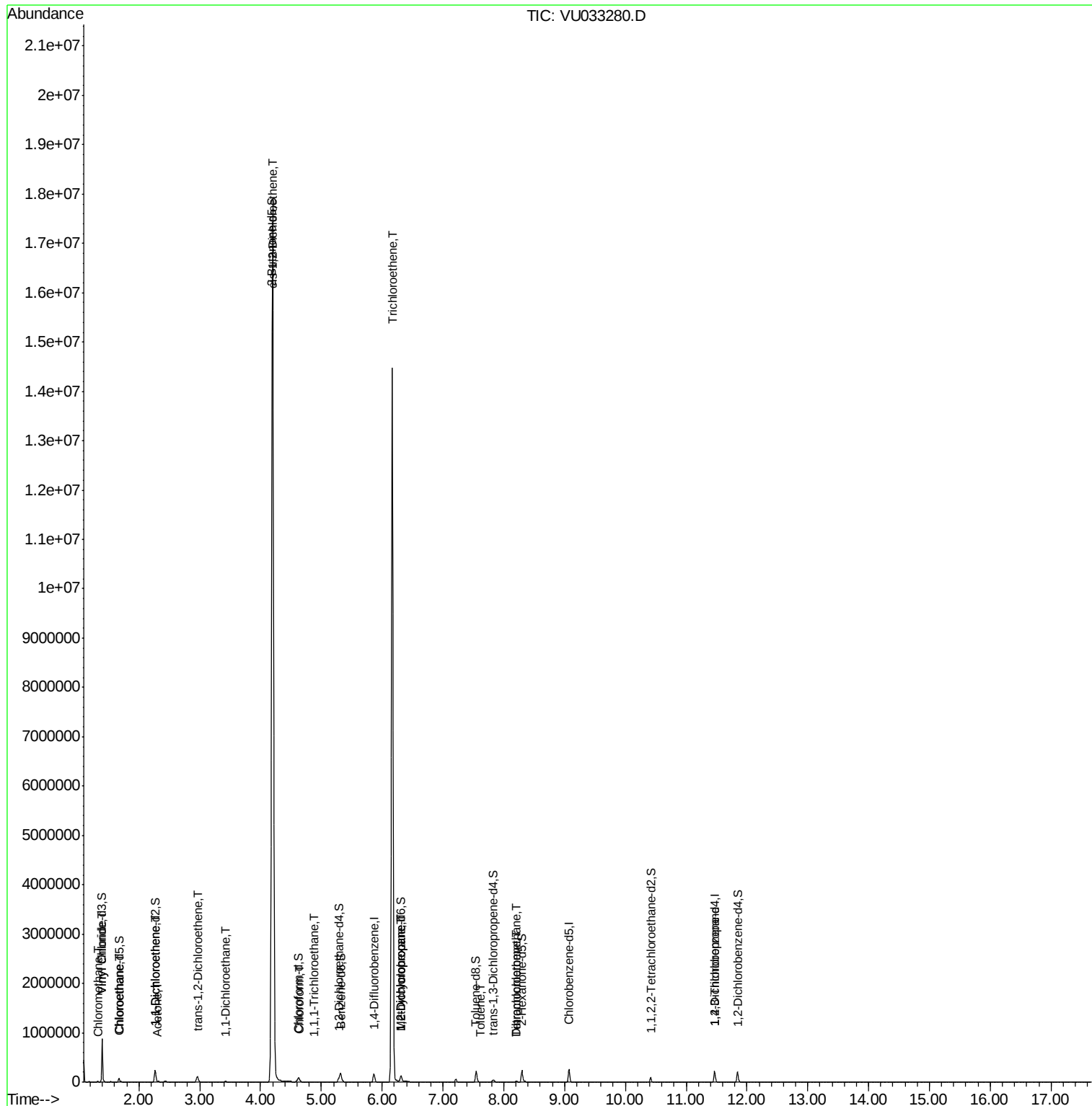
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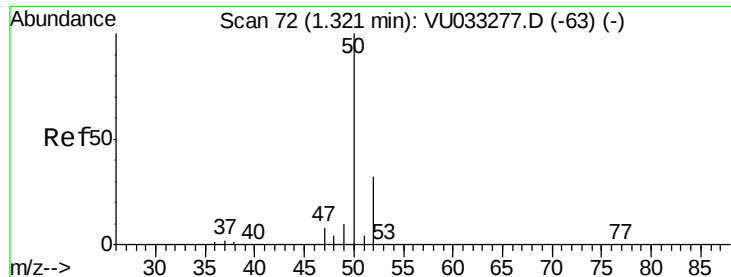
Data File : VU033280.D

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Acq On       : 17 Jul 2019   10:25
Operator    : JC/SP
Sample      : K3772-14
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
A52R1

Quant Time: Jul 18 08:04:23 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





#3

Chloromethane

Concen: 0.496 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033280.D

Acq: 17 Jul 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

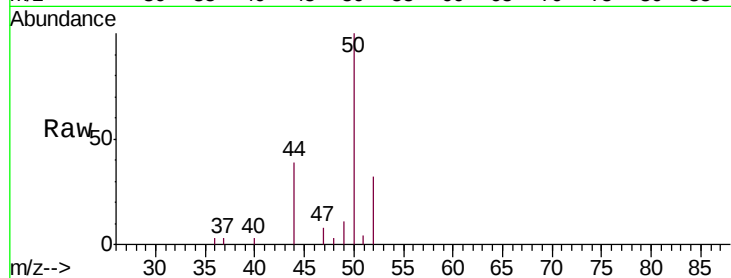
A52R1

Tgt Ion: 50 Resp: 6785

Ion Ratio Lower Upper

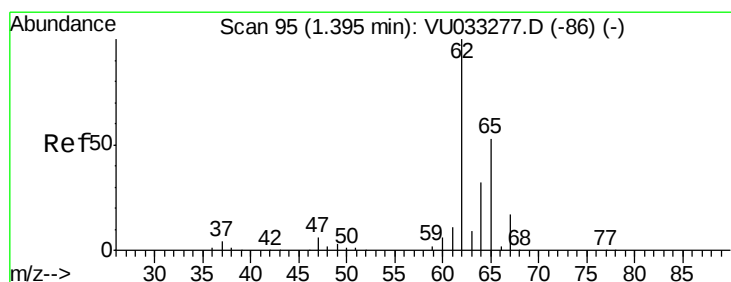
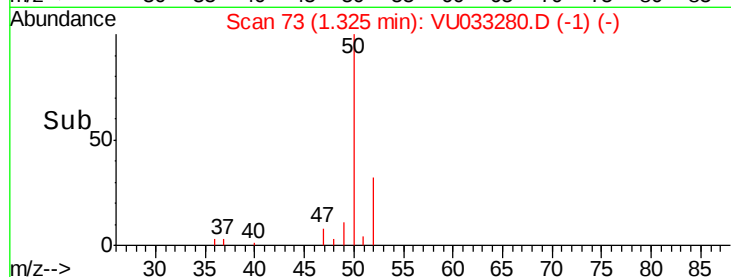
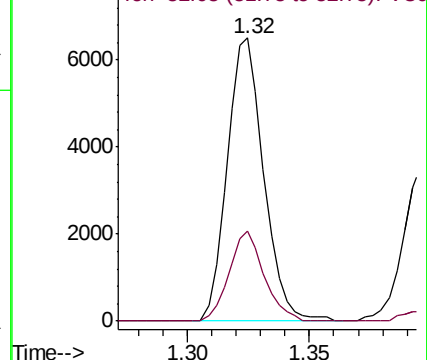
50 100

52 31.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU033277.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU033280.D (-1) (-)



#5

Vinyl chloride

Concen: 34.752 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033280.D

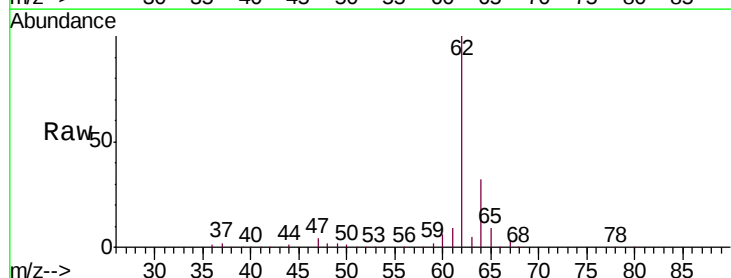
Acq: 17 Jul 2019 10:25

Tgt Ion: 62 Resp: 511011

Ion Ratio Lower Upper

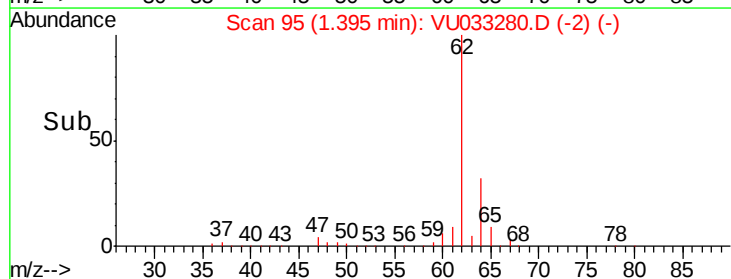
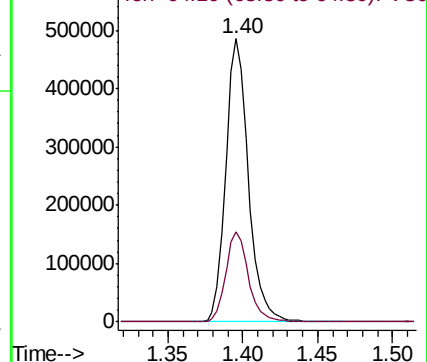
62 100

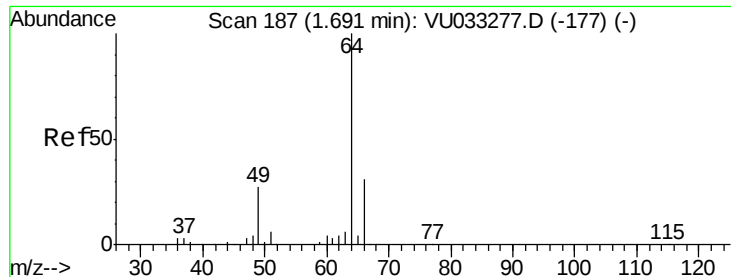
64 31.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU033277.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU033280.D (-2) (-)





#8

Chloroethane

Concen: 0.655 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033280.D

Acq: 17 Jul 2019 10:25

Instrument :

MSVOA_U

ClientSampled :

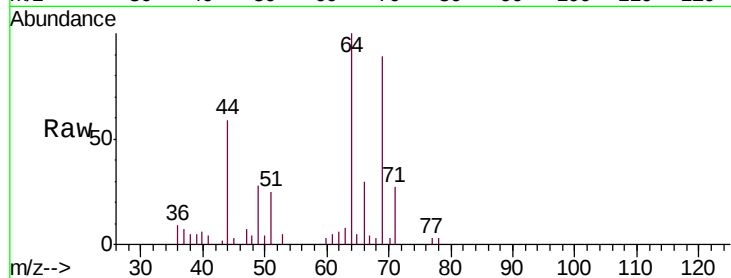
A52R1

Tgt Ion: 64 Resp: 6167

Ion Ratio Lower Upper

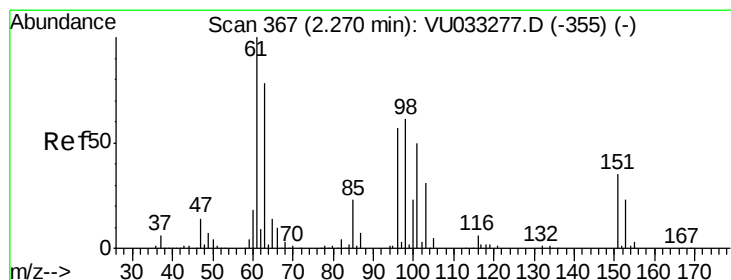
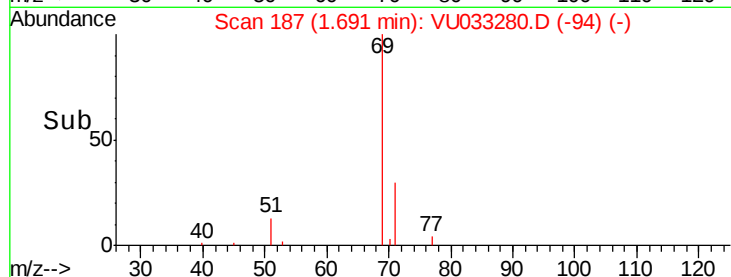
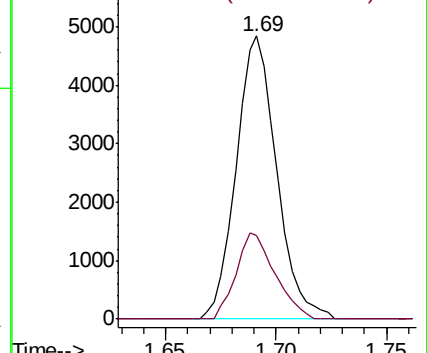
64 100

66 29.6 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 3.798 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033280.D

Acq: 17 Jul 2019 10:25

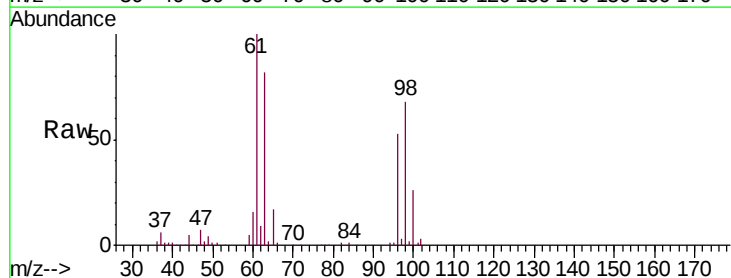
Tgt Ion: 96 Resp: 42618

Ion Ratio Lower Upper

96 100

61 188.7 129.3 240.1

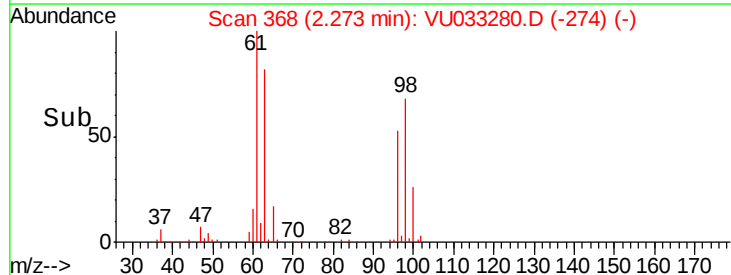
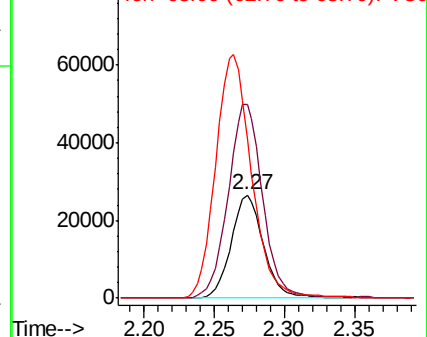
63 154.8 108.9 202.3

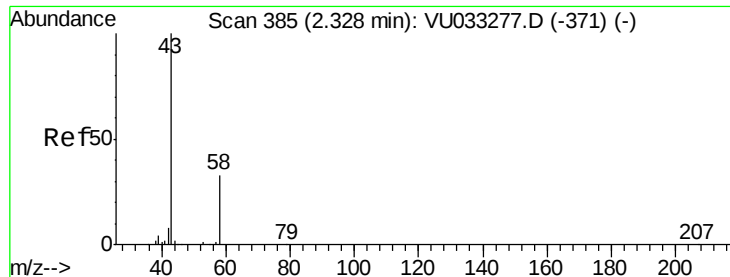


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.461 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033280.D

Acq: 17 Jul 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

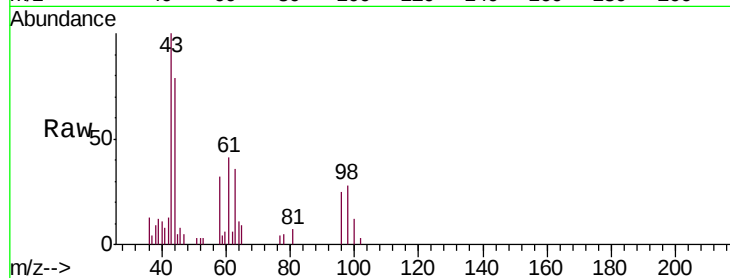
A52R1

Tgt Ion: 43 Resp: 5586

Ion Ratio Lower Upper

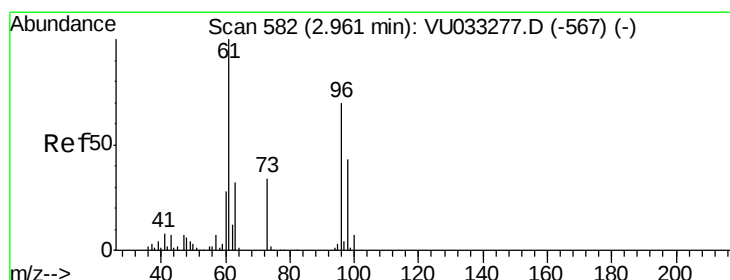
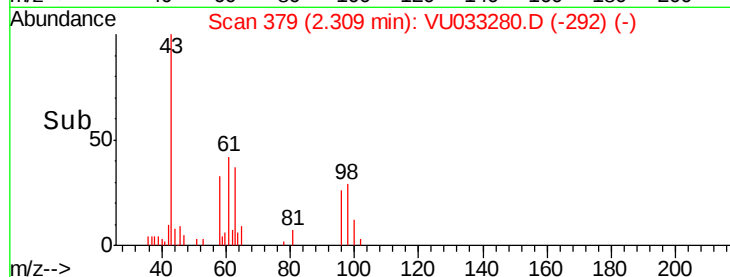
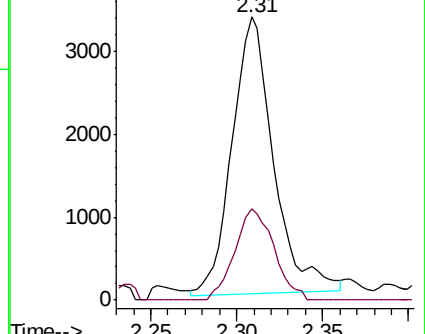
43 100

58 31.1 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) (-)



#18

trans-1,2-Dichloroethene

Concen: 3.445 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033280.D

Acq: 17 Jul 2019 10:25

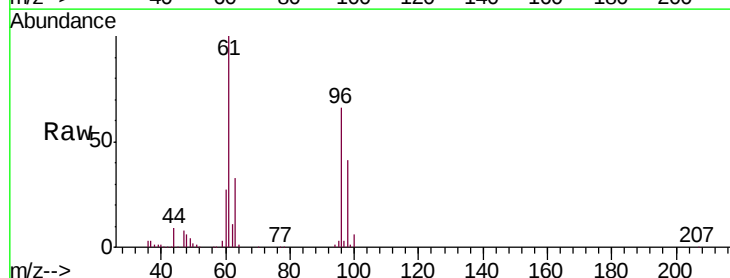
Tgt Ion: 96 Resp: 42703

Ion Ratio Lower Upper

96 100

61 151.8 107.1 198.9

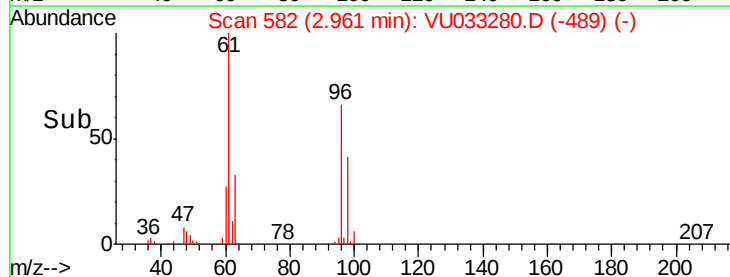
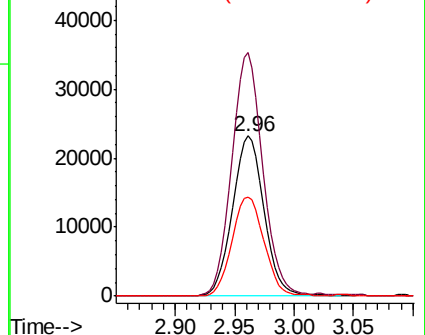
98 61.9 45.4 84.4

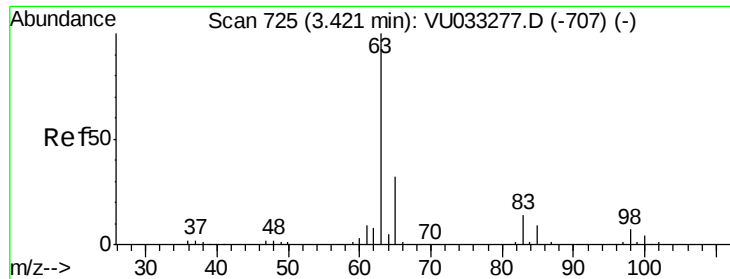


Abundance Ion 96.00 (95.70 to 96.70): VU033277.D (-567) (-)

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

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

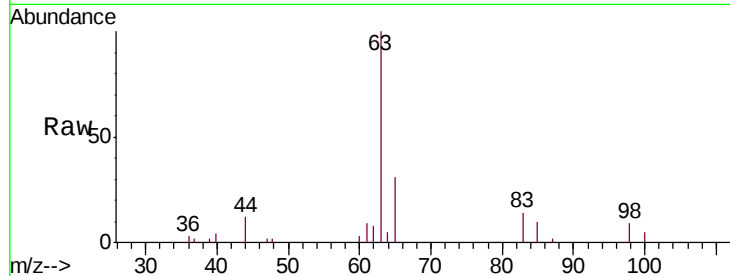




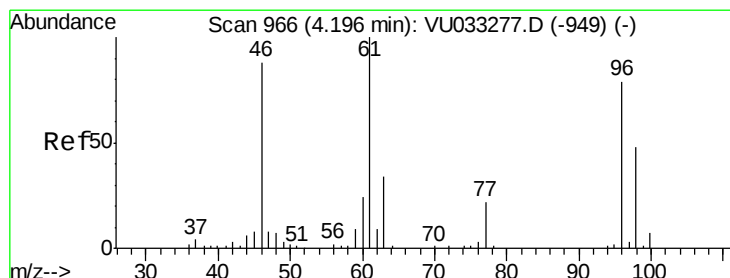
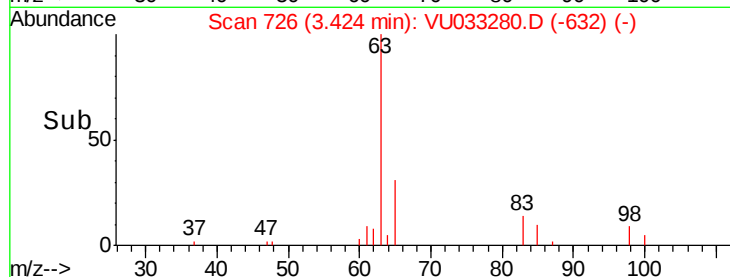
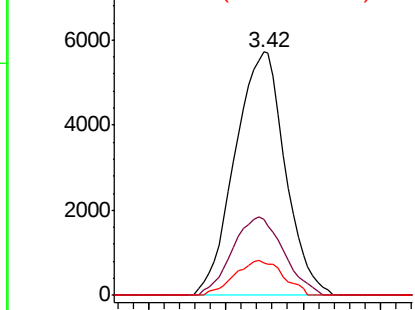
#19
 1,1-Dichloroethane
 Concen: 0.692 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033280.D
 Acq: 17 Jul 2019 10:25

Instrument :
 MSVOA_U
 ClientSampleId :
 A52R1

Tgt Ion: 63 Resp: 12896
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.7 40.3
 83 13.5 9.0 16.8

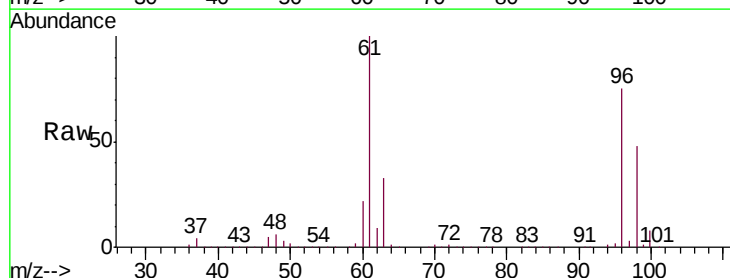


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

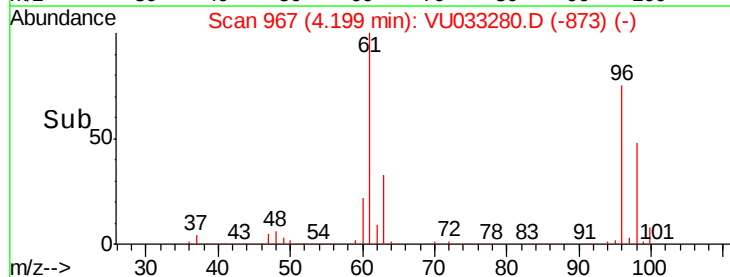
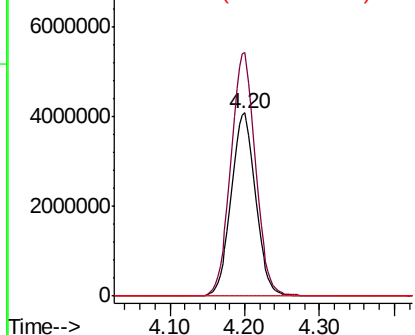


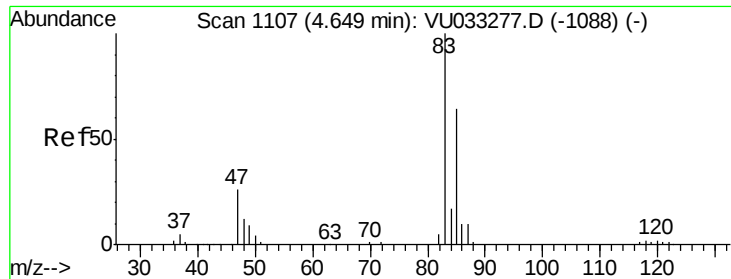
#22
 cis-1,2-Dichloroethene
 Concen: 888.239 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033280.D
 Acq: 17 Jul 2019 10:25

Tgt Ion: 96 Resp: 9305480
 Ion Ratio Lower Upper
 96 100
 61 133.0 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

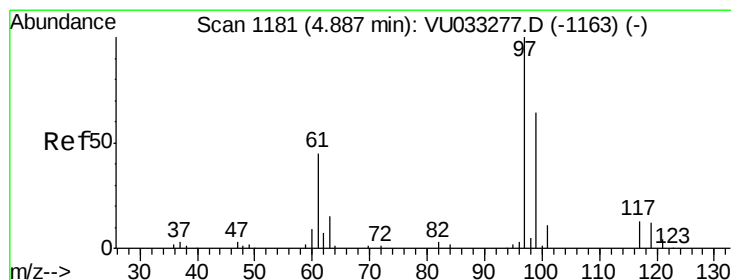
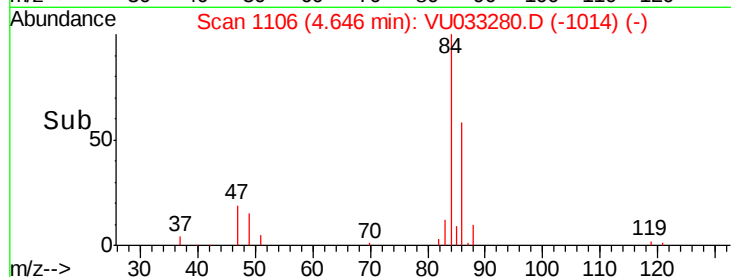
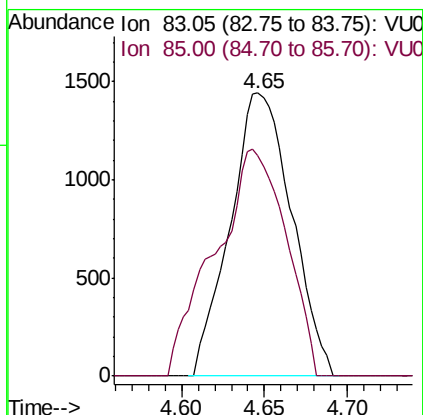
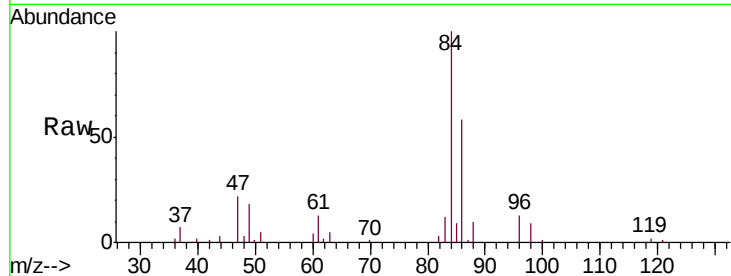




#25
Chloroform
Concen: 0.180 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033280.D
Acq: 17 Jul 2019 10:25

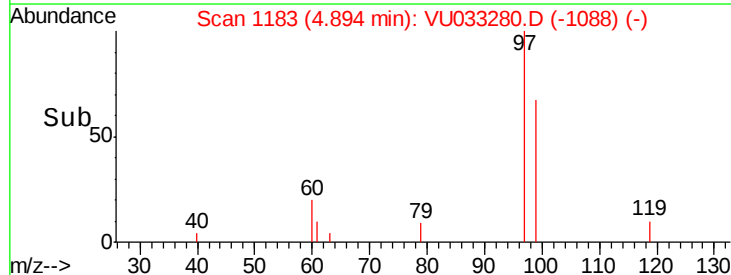
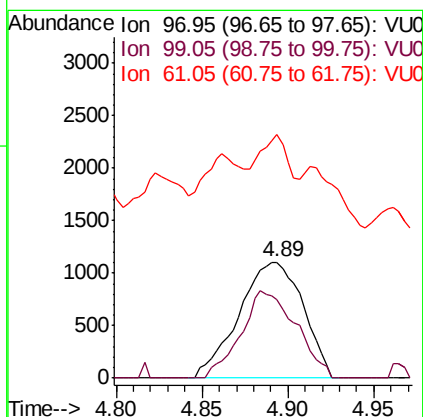
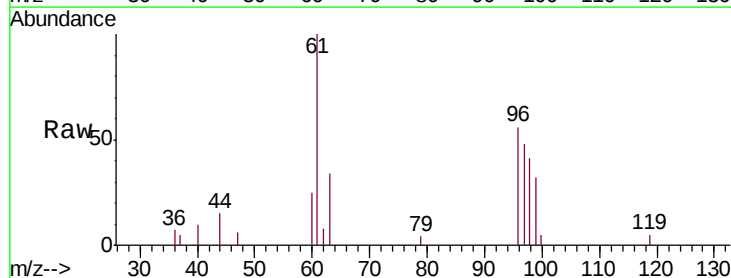
Instrument :
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ClientSampleId :
A52R1

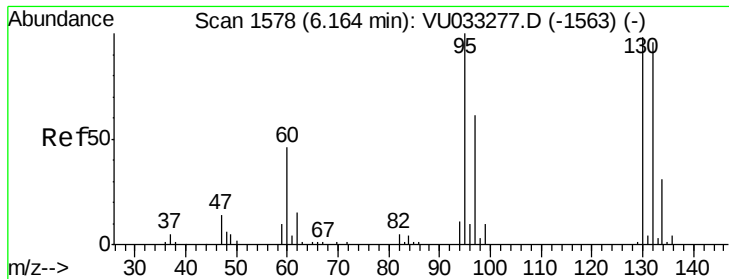
Tgt Ion: 83 Resp: 3715
Ion Ratio Lower Upper
83 100
85 78.2 45.4 84.4



#29
1,1,1-Trichloroethane
Concen: 0.176 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VU033280.D
Acq: 17 Jul 2019 10:25

Tgt Ion: 97 Resp: 2864
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 34.6 36.2 54.4#



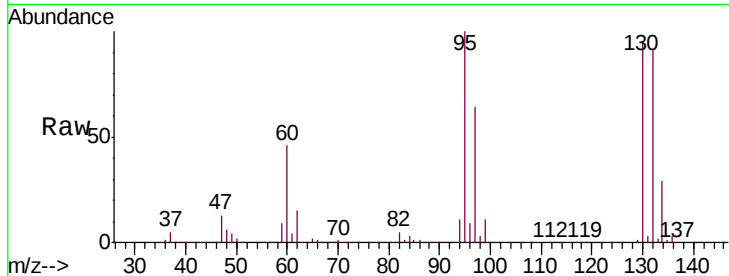


#34
 Trichloroethene
 Concen: 455.527 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033280.D
 Acq: 17 Jul 2019 10:25

Instrument :
 MSVOA_U
 ClientSampleId :
 A52R1

Tgt Ion: 95 Resp: 4799224

Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.5	82.7
132	90.8	66.6	123.8
130	94.7	68.9	127.9



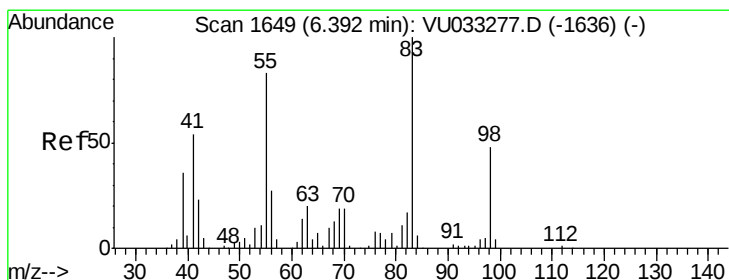
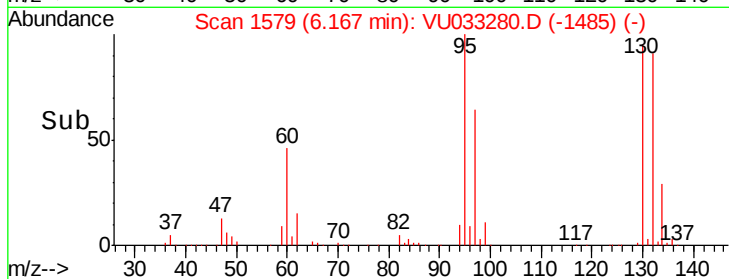
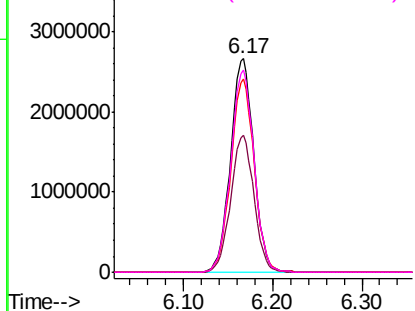
Abundance

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

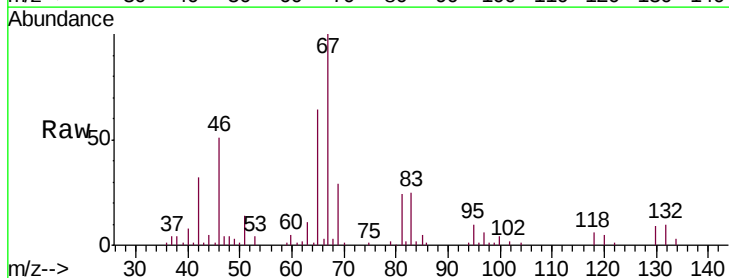
Ion 129.95 (129.65 to 130.65): V



#35
 Methylcyclohexane
 Concen: 0.838 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.08 min
 Lab File: VU033280.D
 Acq: 17 Jul 2019 10:25

Tgt Ion: 83 Resp: 13300

Ion	Ratio	Lower	Upper
83	100		
55	0.3	62.6	94.0#
98	0.0	36.2	54.2#

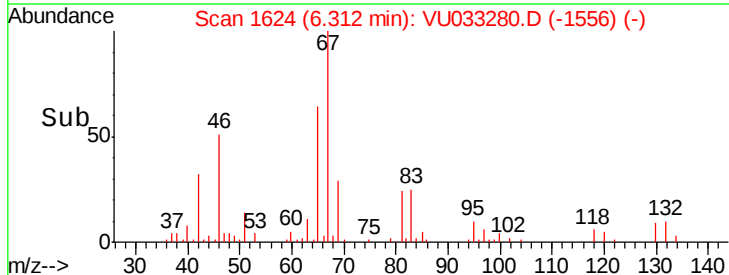
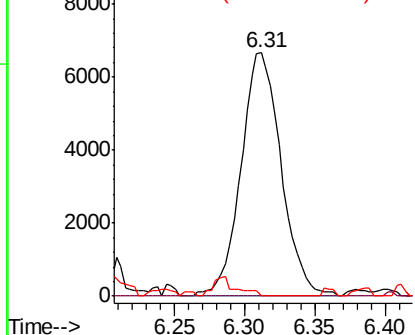


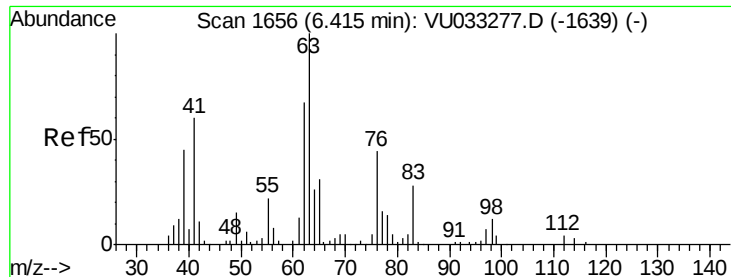
Abundance

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: 0.580 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.11 min

Lab File: VU033280.D

Acq: 17 Jul 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

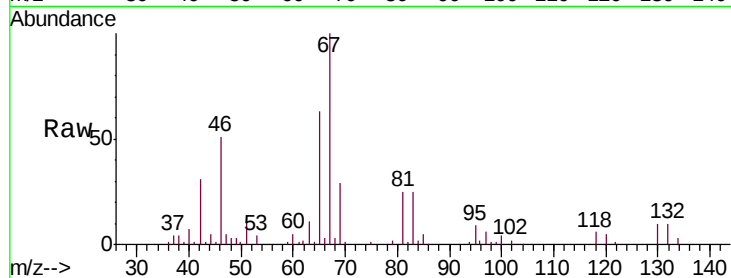
A52R1

Tgt Ion: 63 Resp: 6249

Ion Ratio Lower Upper

63 100

112 0.4 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU033277.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VU033277.D (-1639) (-)

6.31

3000

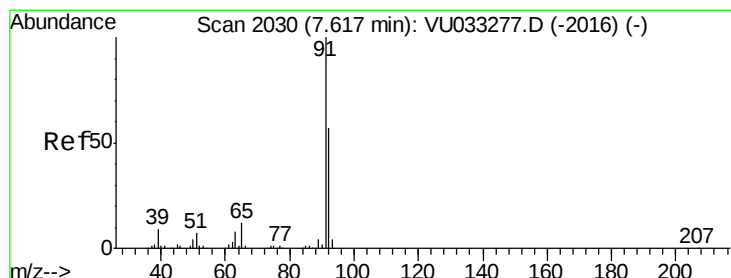
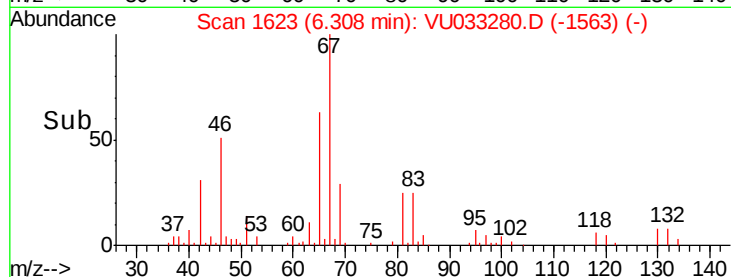
2000

1000

0

6.25 6.30 6.35

Time-->



#42

Toluene

Concen: 0.096 ug/L

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU033280.D

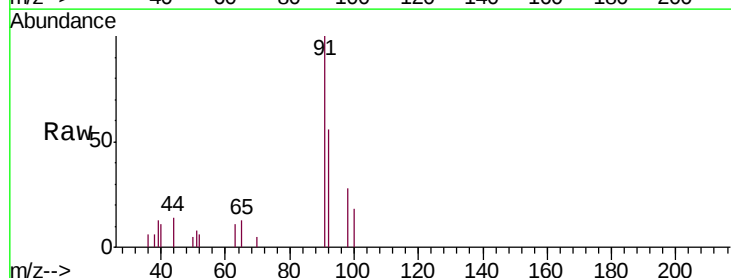
Acq: 17 Jul 2019 10:25

Tgt Ion: 91 Resp: 4088

Ion Ratio Lower Upper

91 100

92 56.2 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU033277.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU033277.D (-2016) (-)

7.62

2500

2000

1500

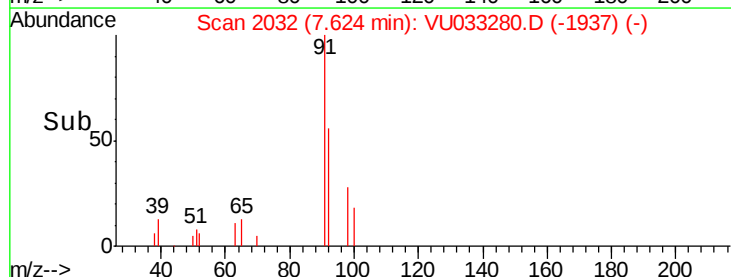
1000

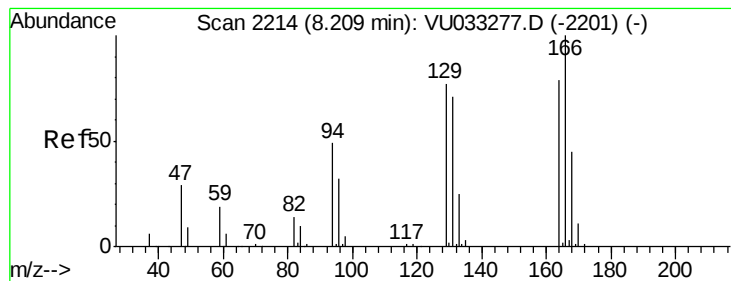
500

0

7.55 7.60 7.65

Time-->





#47

Tetrachloroethene

Concen: 0.467 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033280.D

Acq: 17 Jul 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

A52R1

Tgt Ion:164 Resp: 3941

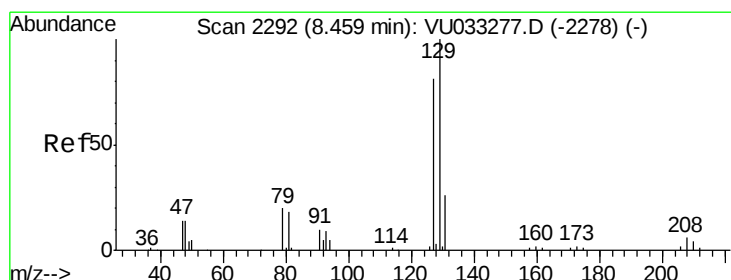
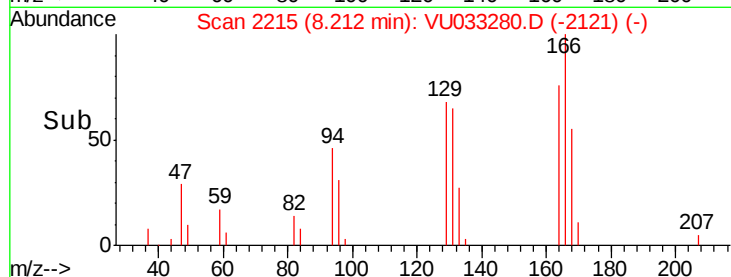
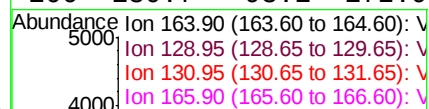
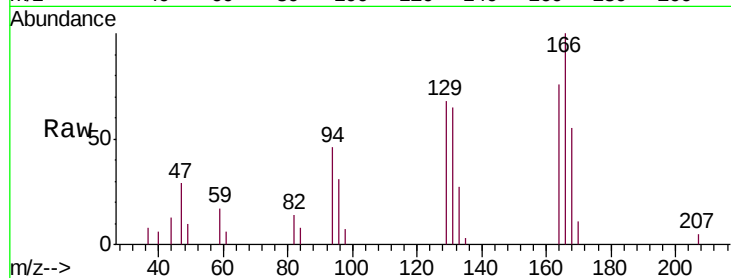
Ion Ratio Lower Upper

164 100

129 89.1 68.5 127.1

131 85.6 67.3 124.9

166 130.7 93.1 172.9



#49

Dibromochloromethane

Concen: 0.395 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU033280.D

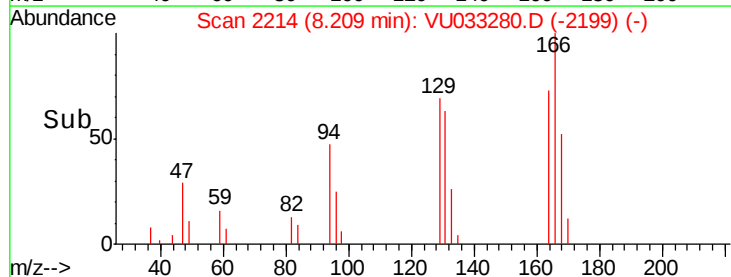
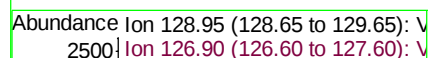
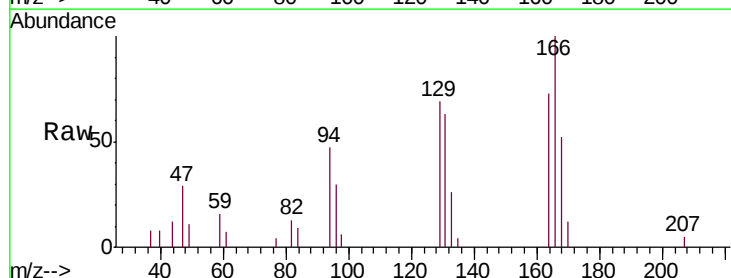
Acq: 17 Jul 2019 10:25

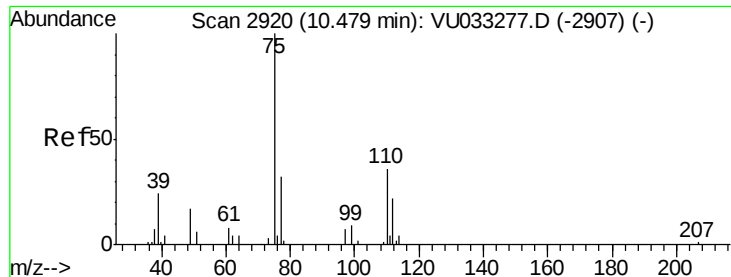
Tgt Ion:129 Resp: 3665

Ion Ratio Lower Upper

129 100

127 0.0 51.9 96.5#





#59

1,2,3-Trichloropropane

Concen: 1.089 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033280.D

Acq: 17 Jul 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

A52R1

Tgt Ion: 75 Resp: 7649

Ion Ratio Lower Upper

75 100

77 36.1 26.5 39.7

