

Data File : VU033286.D
Acq On : 17 Jul 2019 13:15
Operator : JC/SP
Sample : K3772-23MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52MOMS

Quant Time: Jul 18 08:05:18 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	130223	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	136763	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	59066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54347	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.67	69	47474	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.26	63	126993	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	4.17	46	113837	46.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.12%
24) Chloroform-d	4.62	84	83405	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.29	65	48686	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.31	84	176598	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.31	67	57117	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.55	98	152231	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	7.83	79	22169	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.30	63	85473	42.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.70%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	47761	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	59687	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	121537	8.670 ug/L	99
12) 1,1-Dichloroethene	2.27	96	71787	6.710 ug/L #	82
13) Acetone	2.31	43	10017	4.629 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	21898	1.853 ug/L	98
19) 1,1-Dichloroethane	3.42	63	9444	0.532 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	5040351	504.649 ug/L	93
25) Chloroform	4.65	83	6374	0.324 ug/L	98
27) 1,2-Dichloroethane	5.37	62	2160	0.185 ug/L #	41
29) 1,1,1-Trichloroethane	4.89	97	6517	0.413 ug/L #	86
33) Benzene	5.37	78	184287	4.758 ug/L	100
34) Trichloroethene	6.16	95	3813993	372.153 ug/L	97
35) Methylcyclohexane	6.31	83	13500	0.874 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	6162	0.588 ug/L #	88
42) Toluene	7.62	91	197948	4.761 ug/L	99
47) Tetrachloroethene	8.21	164	3409	0.415 ug/L	99
49) Dibromochloromethane	8.21	129	3376	0.374 ug/L #	12
51) Chlorobenzene	9.10	112	129749	4.754 ug/L	99

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

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QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

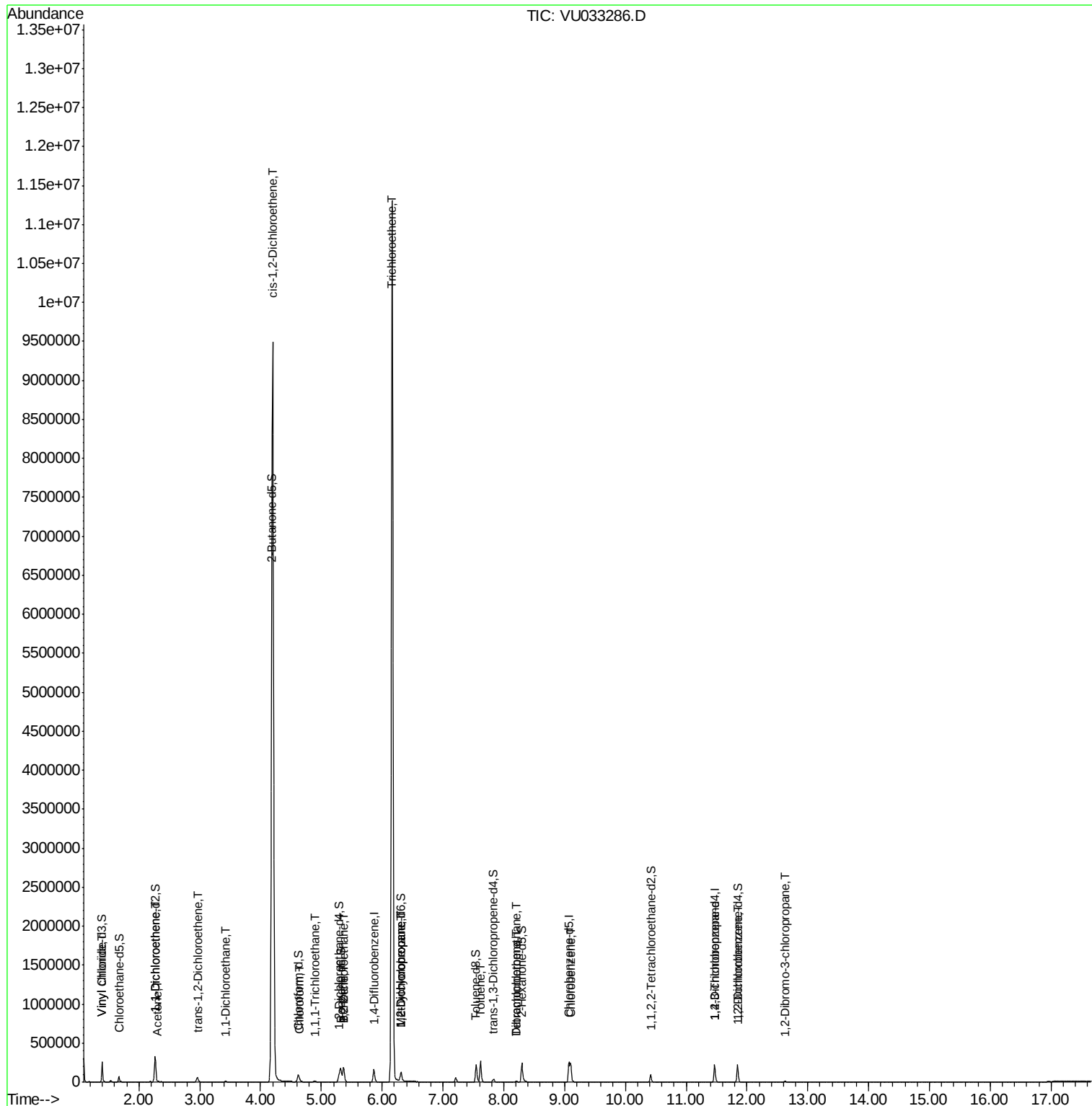
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.47	75	7444	1.090	ug/L	92
65) 1,2-Dichlorobenzene	11.86	146	2851	0.163	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.62	75	2341	1.765	ug/L #	2

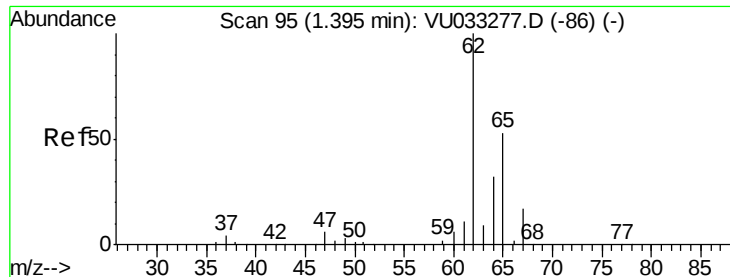
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.670 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

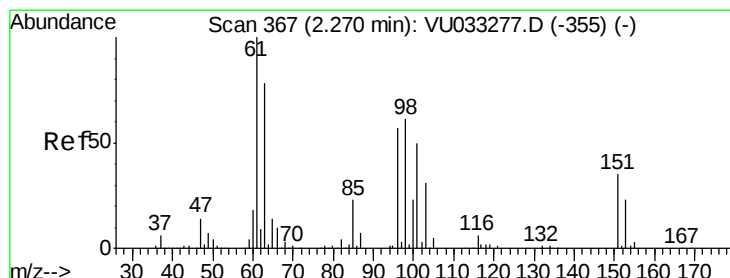
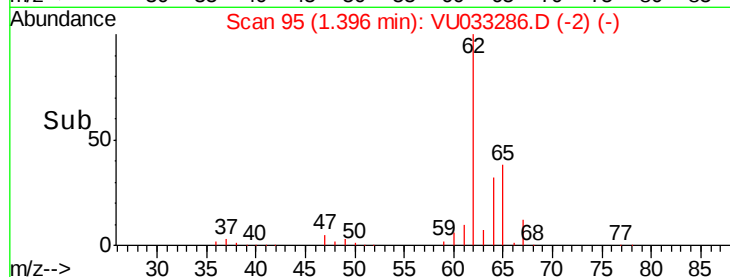
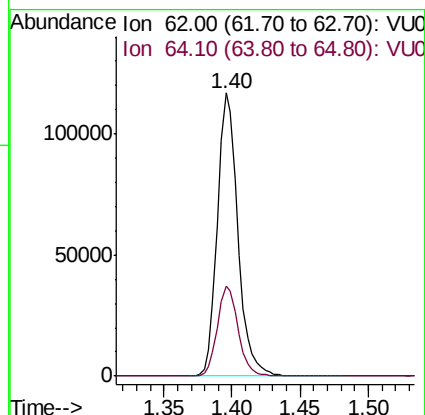
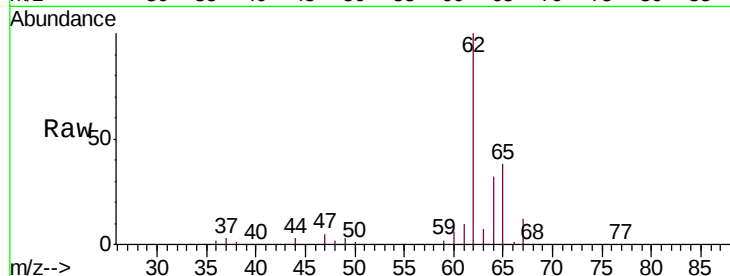
A52MOMS

Tgt Ion: 62 Resp: 121537

Ion Ratio Lower Upper

62 100

64 31.9 22.8 42.4



#12

1,1-Dichloroethene

Concen: 6.710 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

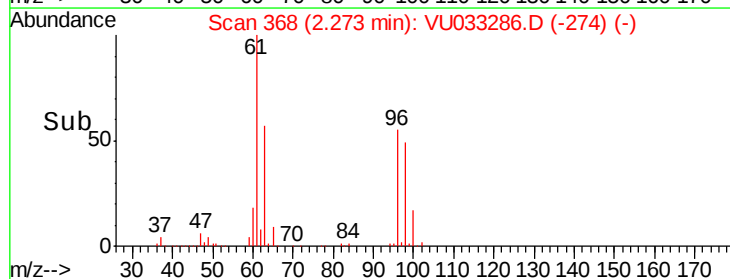
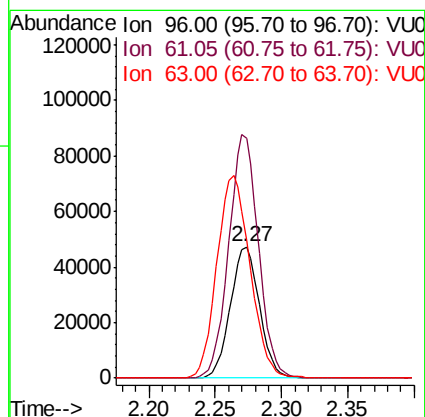
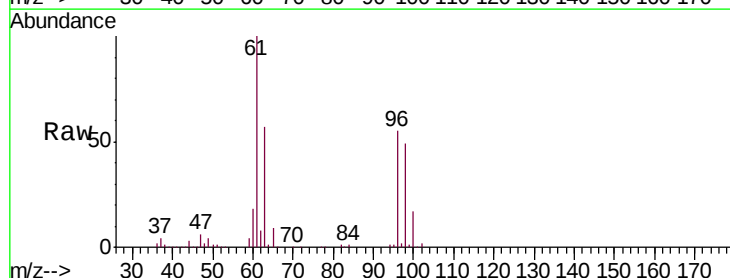
Tgt Ion: 96 Resp: 71787

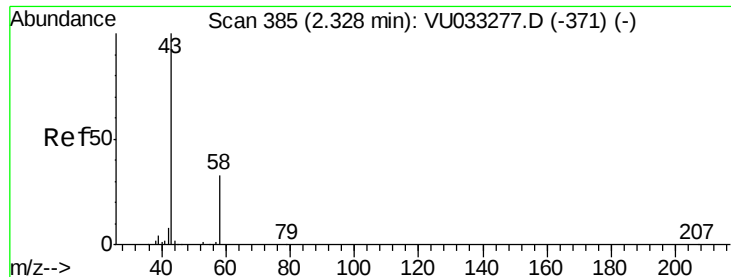
Ion Ratio Lower Upper

96 100

61 183.5 129.3 240.1

63 105.0 108.9 202.3#





#13

Acetone

Concen: 4.629 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

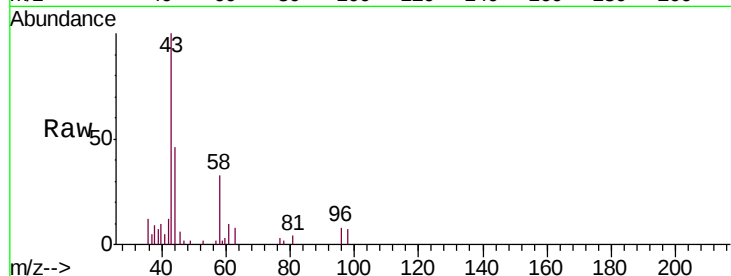
A52M0MS

Tgt Ion: 43 Resp: 10017

Ion Ratio Lower Upper

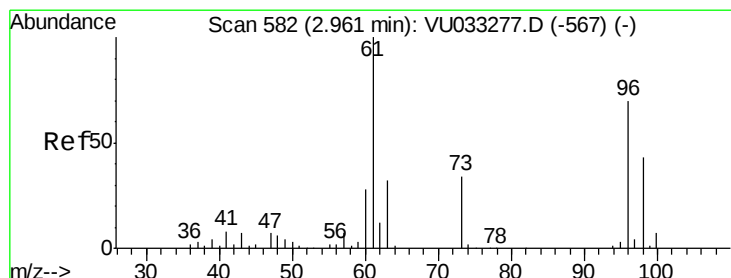
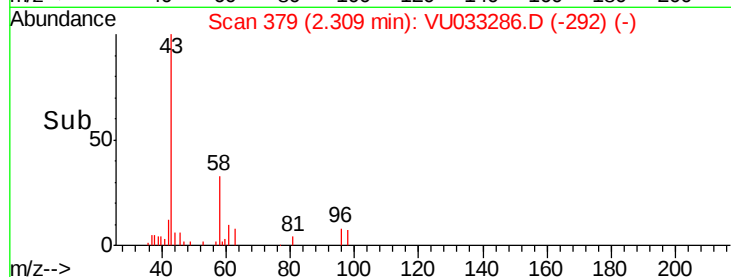
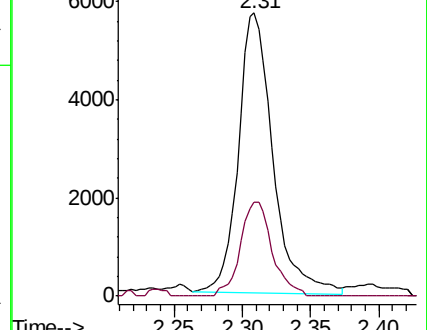
43 100

58 30.9 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: 1.853 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

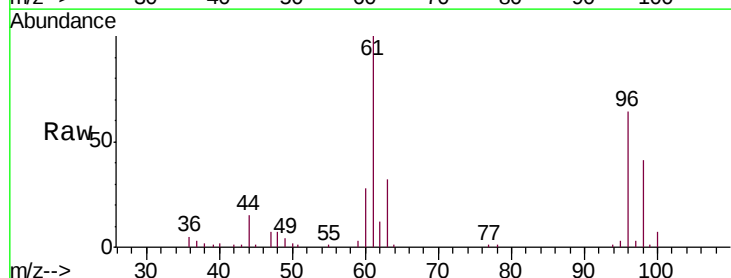
Tgt Ion: 96 Resp: 21898

Ion Ratio Lower Upper

96 100

61 157.0 107.1 198.9

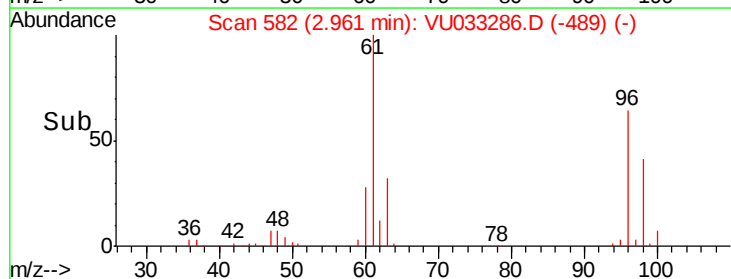
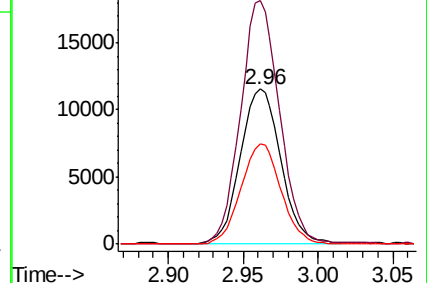
98 64.8 45.4 84.4

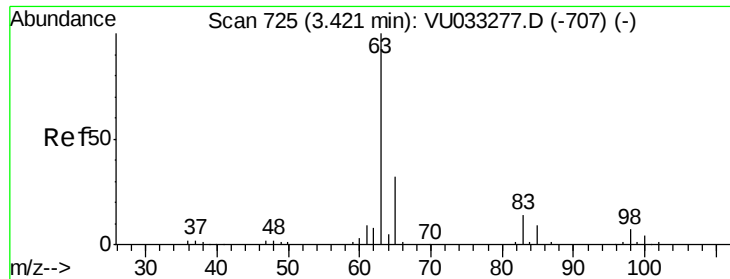


Abundance Ion 96.00 (95.70 to 96.70): VU033277.D (-567) (-)

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

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

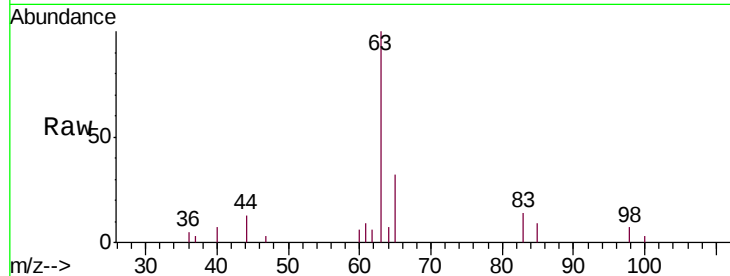




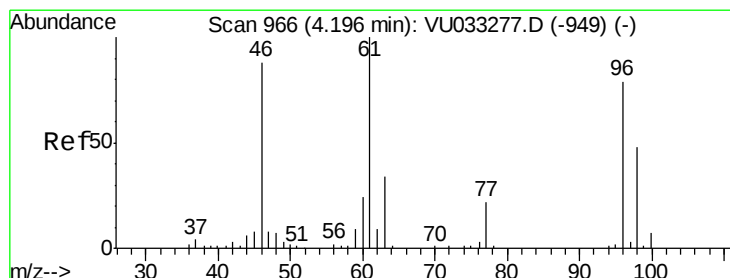
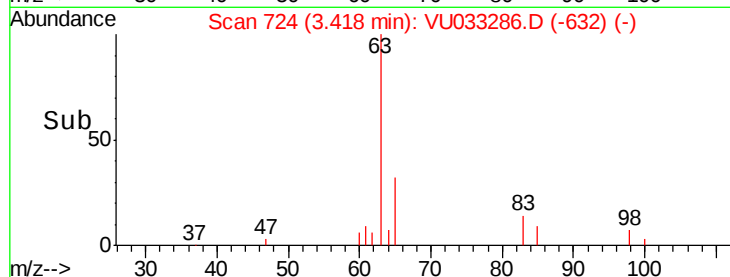
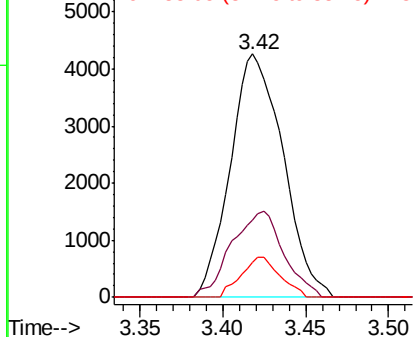
#19
 1,1-Dichloroethane
 Concen: 0.532 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Instrument :
 MSVOA_U
 ClientSampled :
 A52MOMS

Tgt Ion: 63 Resp: 9444
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.7 40.3
 83 14.3 9.0 16.8

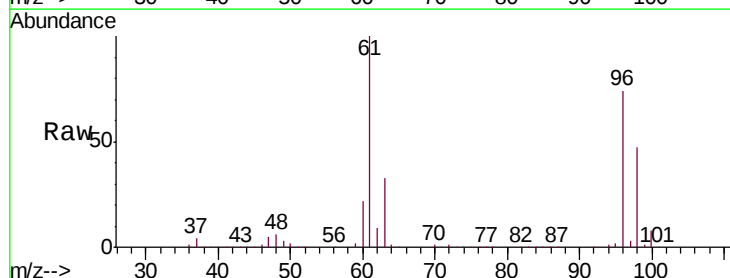


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

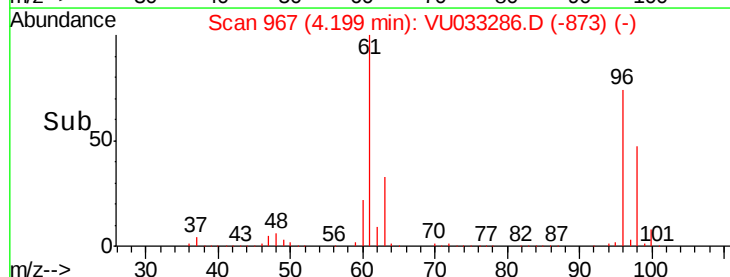
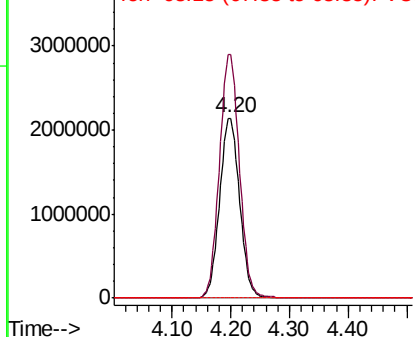


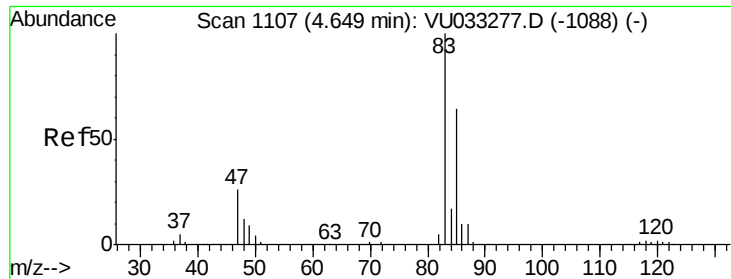
#22
 cis-1,2-Dichloroethene
 Concen: 504.649 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Tgt Ion: 96 Resp: 5040351
 Ion Ratio Lower Upper
 96 100
 61 135.2 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

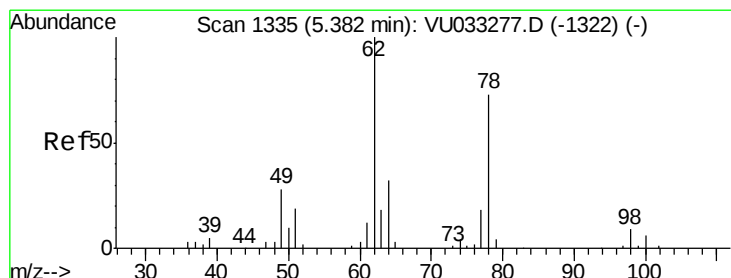
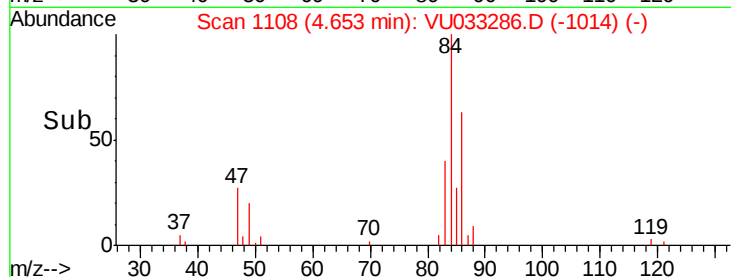
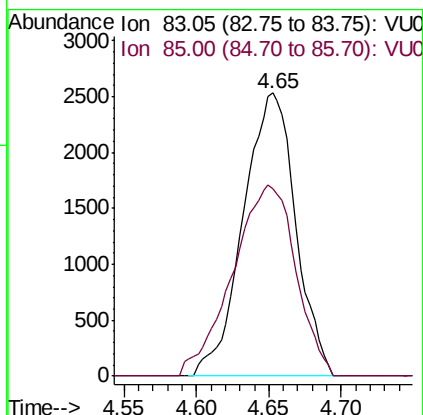
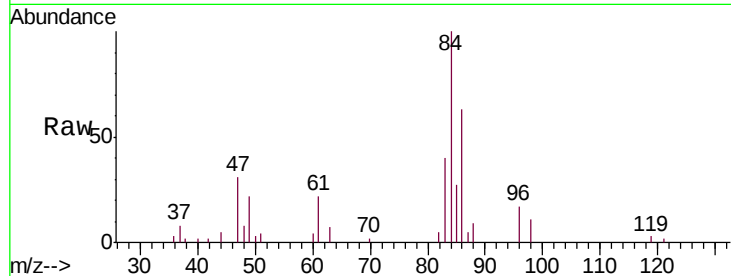




#25
Chloroform
Concen: 0.324 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU033286.D
Acq: 17 Jul 2019 13:15

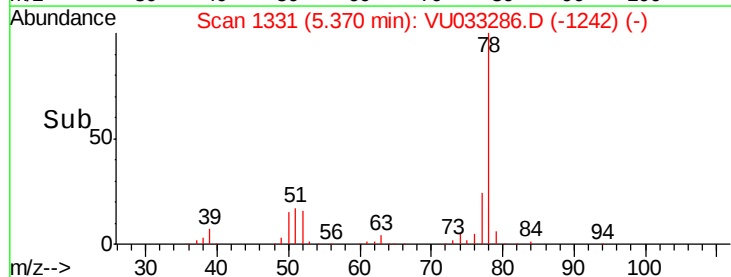
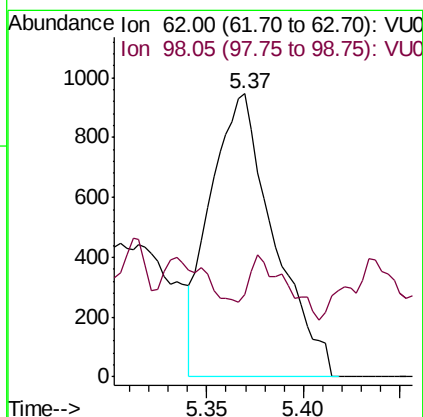
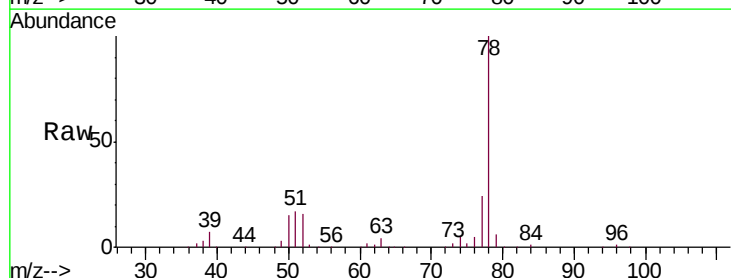
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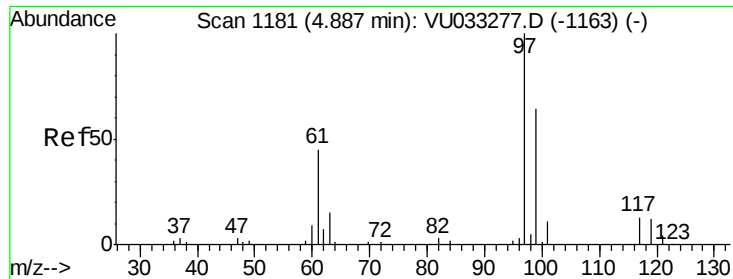
Tgt Ion: 83 Resp: 6374
Ion Ratio Lower Upper
83 100
85 66.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.185 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VU033286.D
Acq: 17 Jul 2019 13:15

Tgt Ion: 62 Resp: 2160
Ion Ratio Lower Upper
62 100
98 29.2 6.6 10.0#

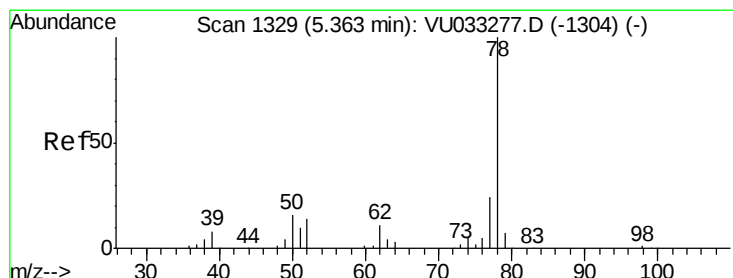
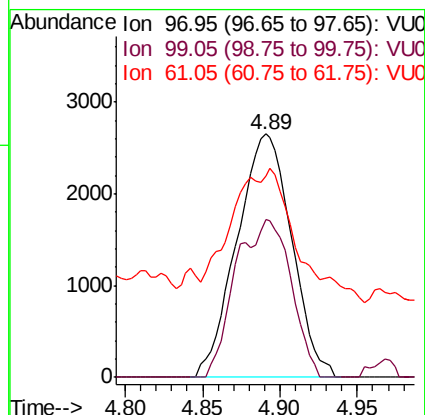
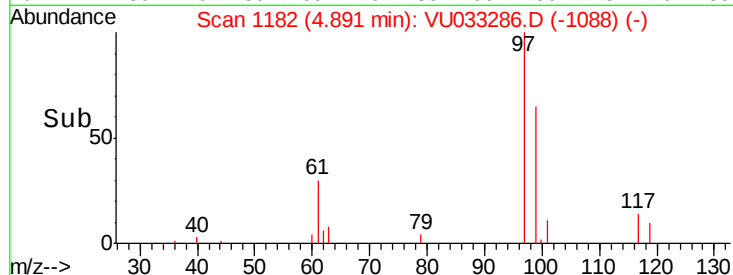
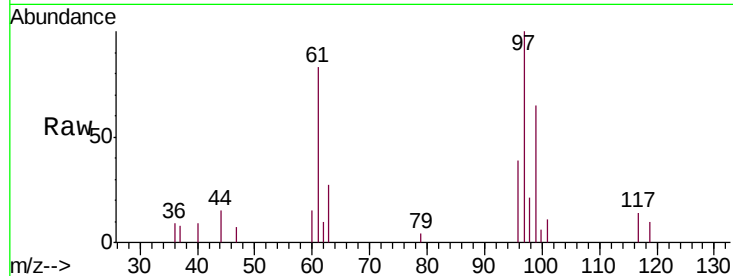




#29
 1,1,1-Trichloroethane
 Concen: 0.413 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

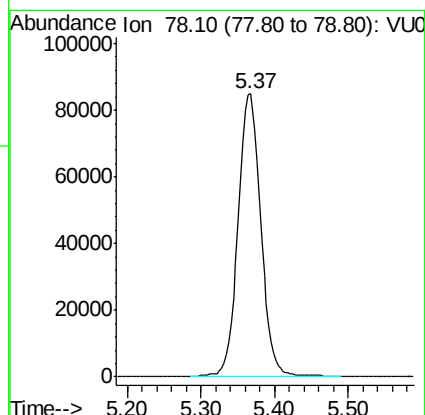
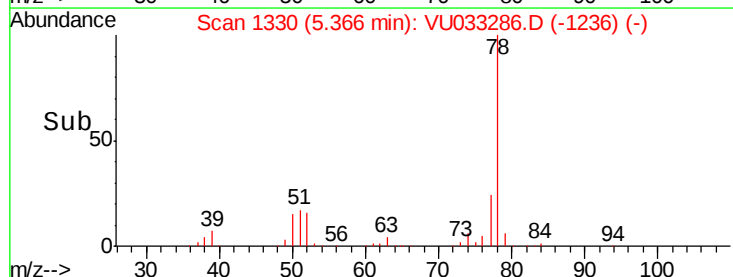
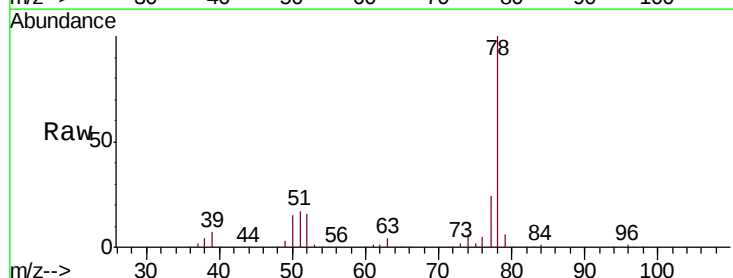
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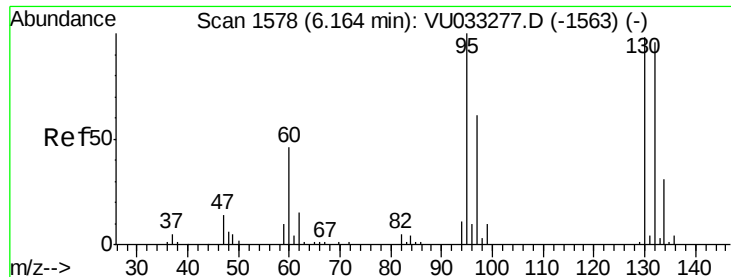
Tgt Ion: 97 Resp: 6517
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.6 77.4
 61 24.4 36.2 54.4#



#33
 Benzene
 Concen: 4.758 ug/L
 RT: 5.37 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Tgt Ion: 78 Resp: 184287

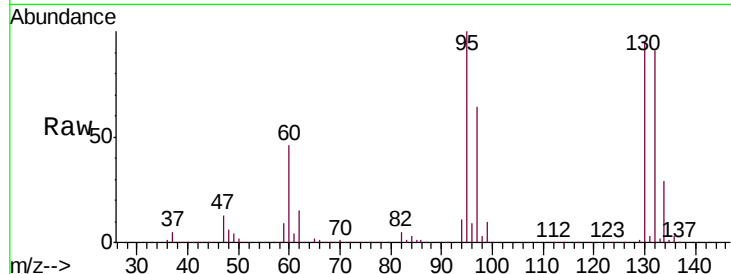




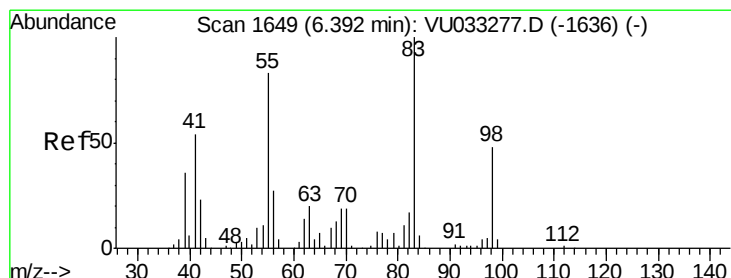
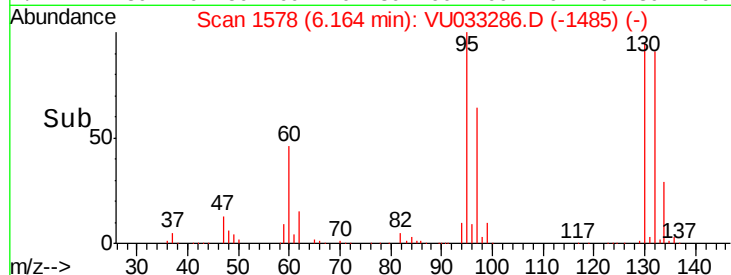
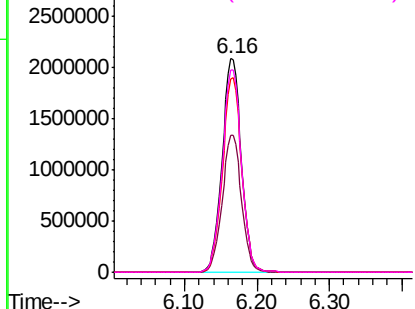
#34
 Trichloroethene
 Concen: 372.153 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M0MS

Tgt Ion: 95 Resp: 3813993
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.5 82.7
 132 90.6 66.6 123.8
 130 94.6 68.9 127.9

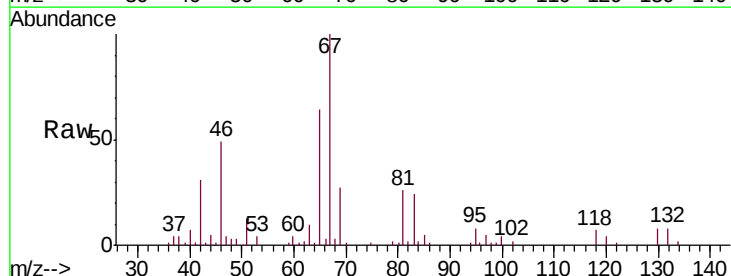


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

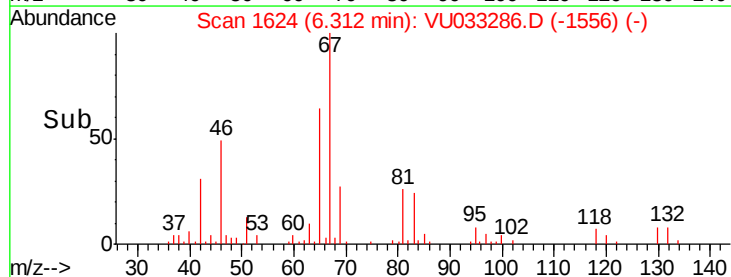
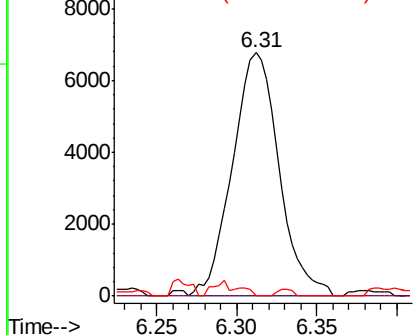


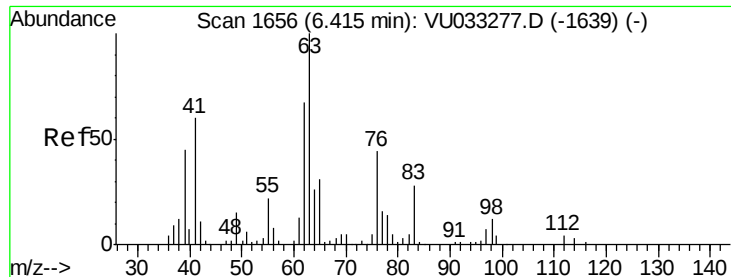
#35
 Methylcyclohexane
 Concen: 0.874 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.08 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Tgt Ion: 83 Resp: 13500
 Ion Ratio Lower Upper
 83 100
 55 1.0 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: 0.588 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

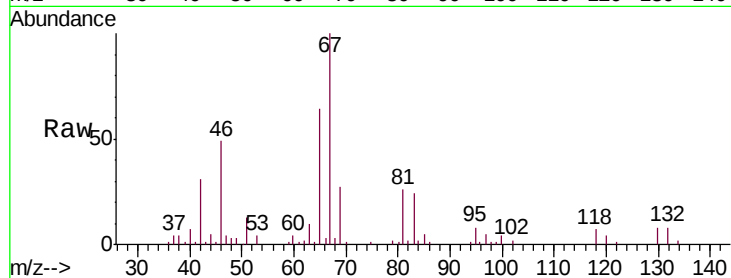
A52MOMS

Tgt Ion: 63 Resp: 6162

Ion Ratio Lower Upper

63 100

112 0.0 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

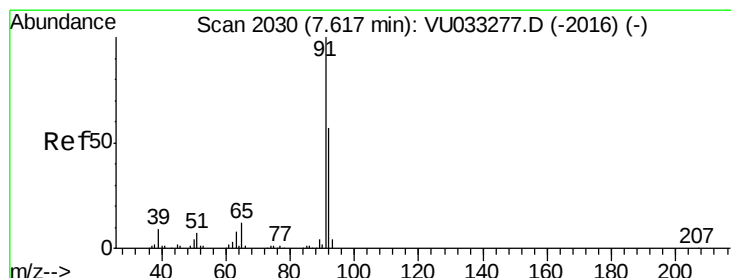
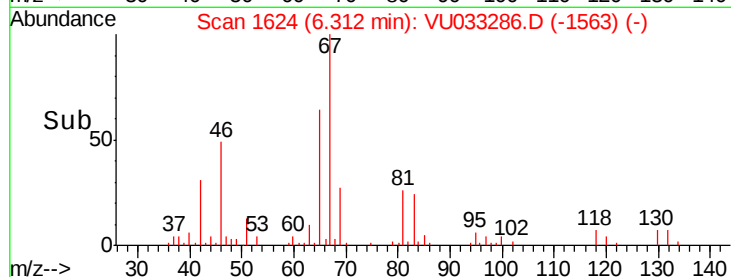
2000

1000

0

6.25 6.30 6.35 6.40

Time-->



#42

Toluene

Concen: 4.761 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033286.D

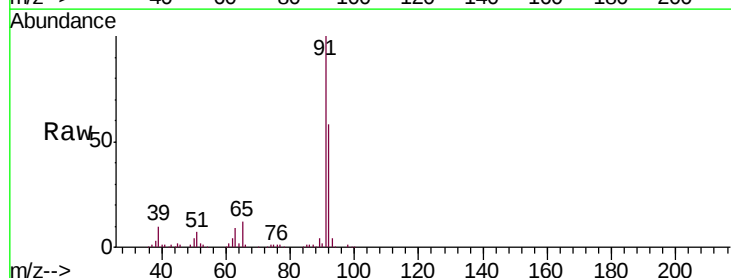
Acq: 17 Jul 2019 13:15

Tgt Ion: 91 Resp: 197948

Ion Ratio Lower Upper

91 100

92 57.8 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU033277.D (-1916) (-)

Ion 92.15 (91.85 to 92.85): VU033277.D (-1916) (-)

7.62

120000

100000

80000

60000

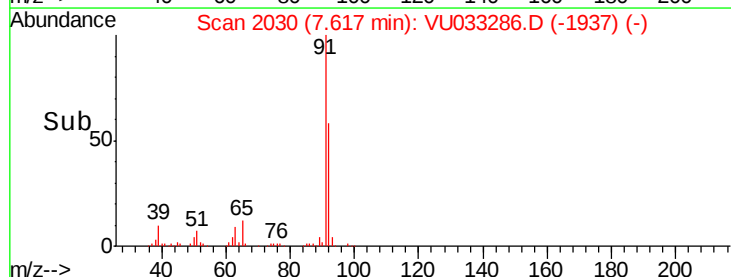
40000

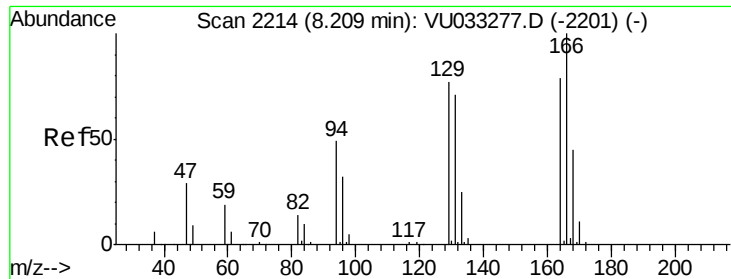
20000

0

7.50 7.60 7.70

Time-->

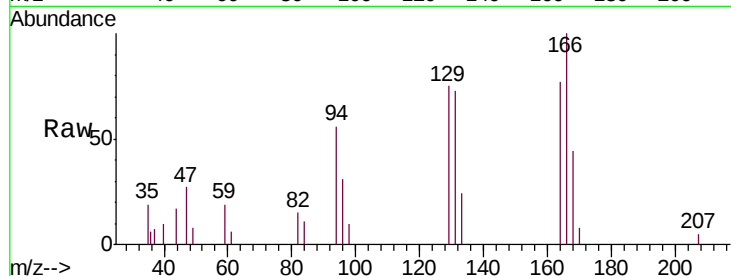




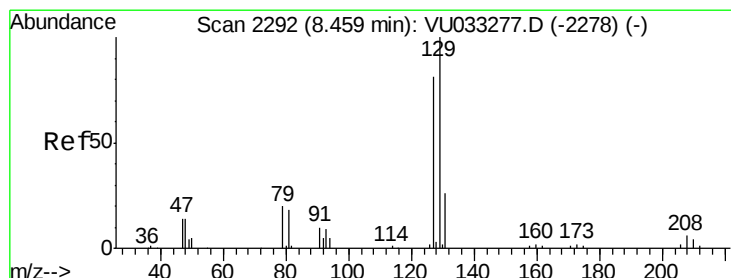
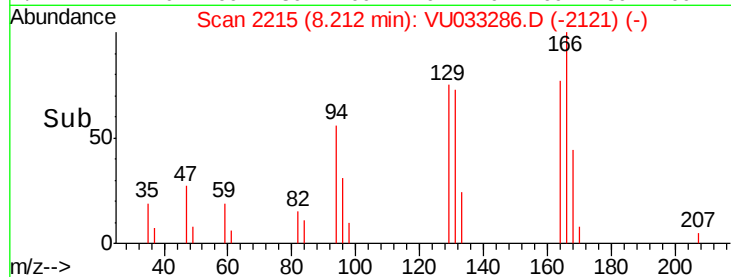
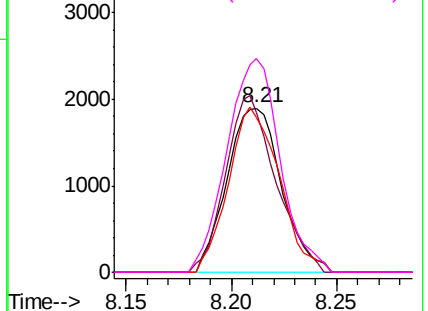
#47
Tetrachloroethene
Concen: 0.415 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VU033286.D
Acq: 17 Jul 2019 13:15

Instrument :
MSVOA_U
ClientSampleId :
A52M0MS

Tgt Ion:164 Resp: 3409
Ion Ratio Lower Upper
164 100
129 97.4 68.5 127.1
131 94.8 67.3 124.9
166 130.2 93.1 172.9

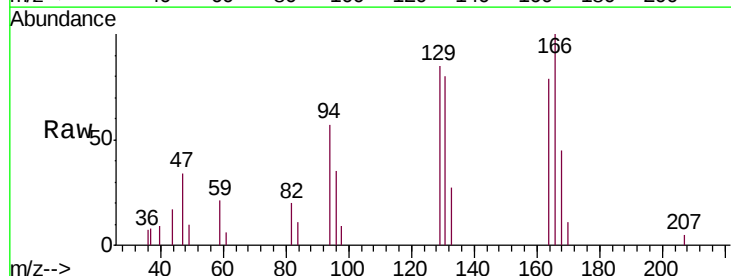


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

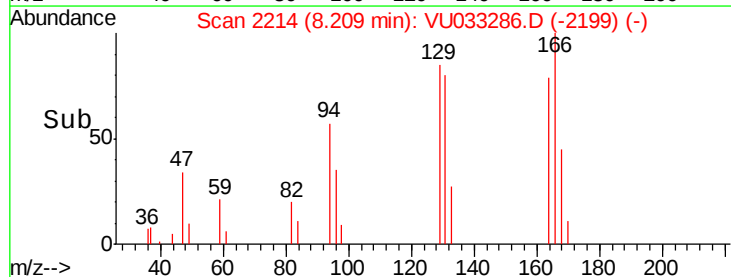
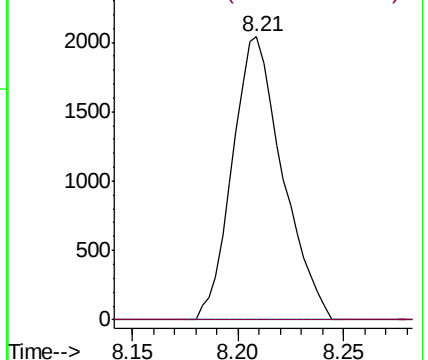


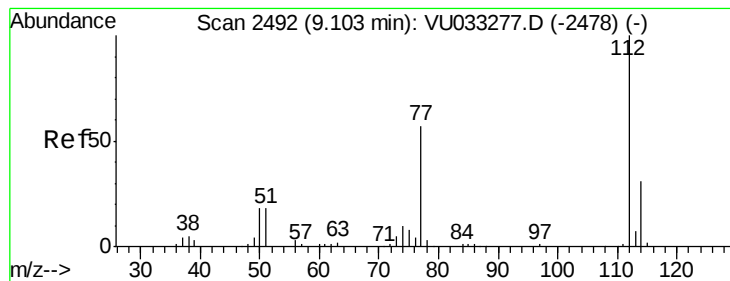
#49
Dibromochloromethane
Concen: 0.374 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU033286.D
Acq: 17 Jul 2019 13:15

Tgt Ion:129 Resp: 3376
Ion Ratio Lower Upper
129 100
127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#51

Chlorobenzene

Concen: 4.754 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

A52MOMS

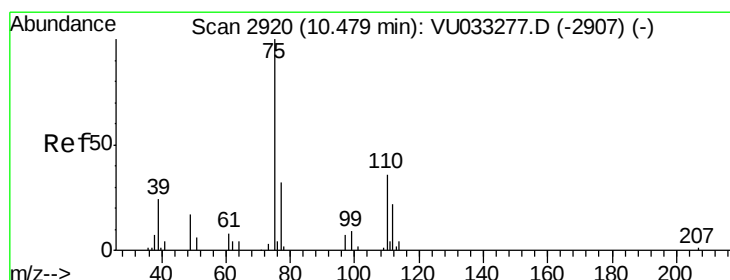
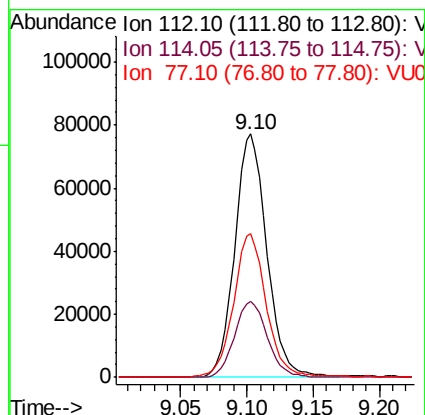
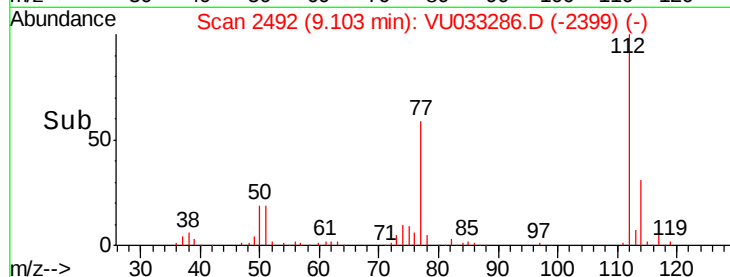
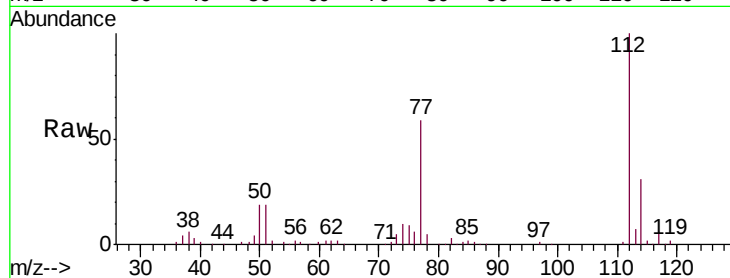
Tgt Ion:112 Resp: 129749

Ion Ratio Lower Upper

112 100

114 31.4 22.1 41.1

77 59.1 46.9 70.3



#59

1,2,3-Trichloropropane

Concen: 1.090 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033286.D

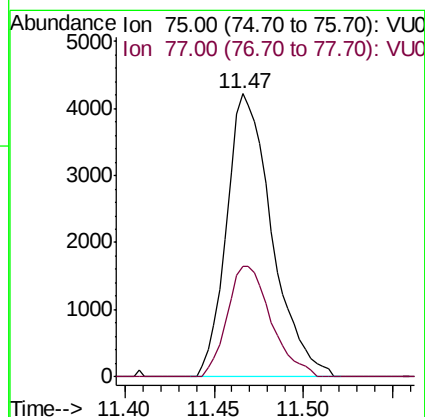
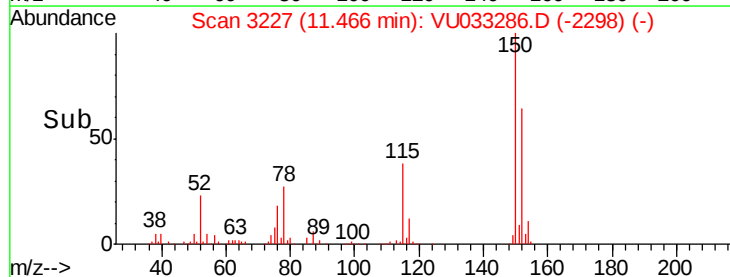
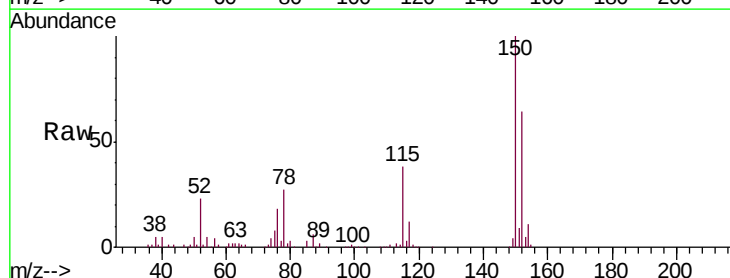
Acq: 17 Jul 2019 13:15

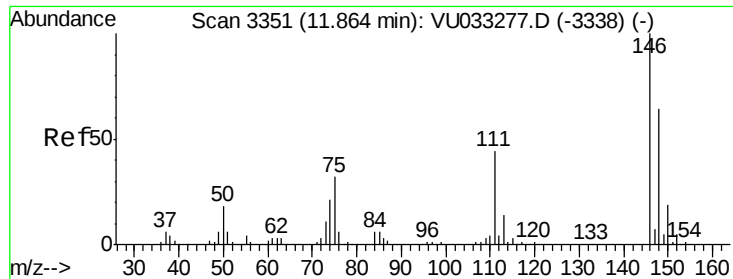
Tgt Ion: 75 Resp: 7444

Ion Ratio Lower Upper

75 100

77 37.8 26.5 39.7





#65

1,2-Dichlorobenzene

Concen: 0.163 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

A52MOMS

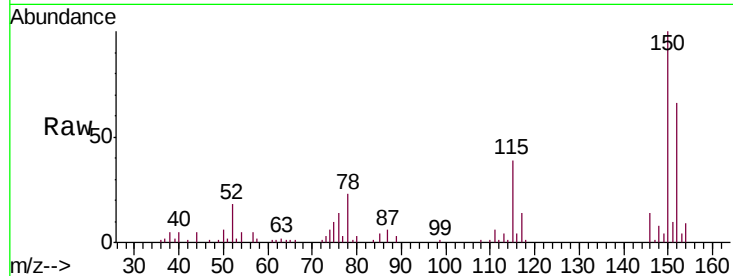
Tgt Ion:146 Resp: 2851

Ion Ratio Lower Upper

146 100

111 46.6 34.2 51.4

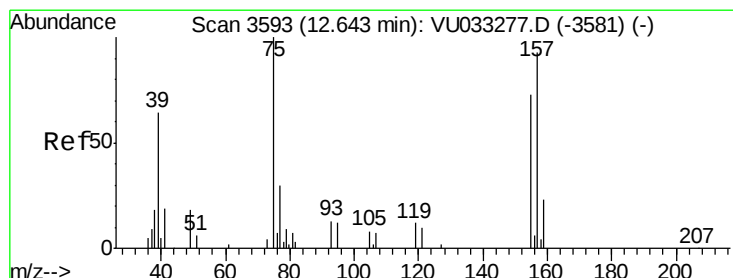
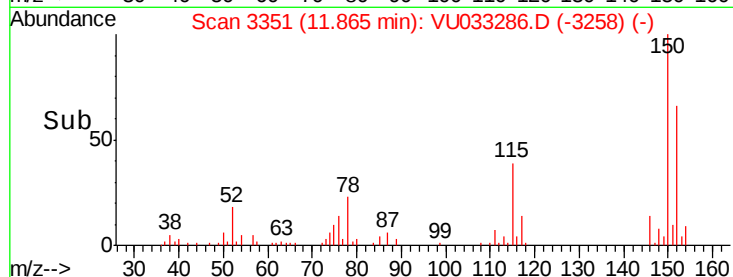
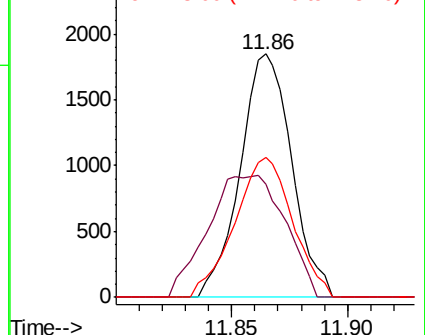
148 57.3 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.765 ug/L

RT: 12.62 min Scan# 3586

Delta R.T. -0.02 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

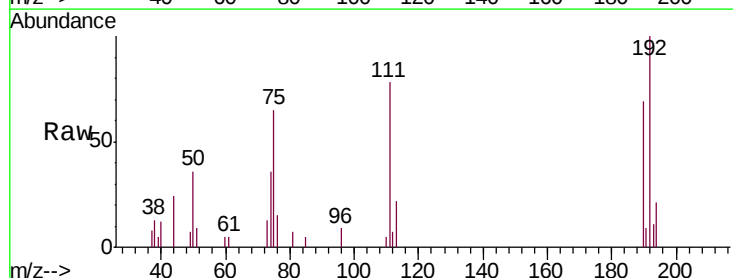
Tgt Ion: 75 Resp: 2341

Ion Ratio Lower Upper

75 100

155 0.0 67.1 100.7#

157 0.0 83.7 125.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

