

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071719\
 Data File : VU033287.D
 Acq On : 17 Jul 2019 13:39
 Operator : JC/SP
 Sample : K3772-24MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M0MSD

Quant Time: Jul 18 08:49:05 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	132134	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	137790	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	57992	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	53852	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.67	69	49218	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.26	63	128127	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	4.17	46	110879	44.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.44%
24) Chloroform-d	4.62	84	83418	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.29	65	49537	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.32	84	175331	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.31	67	56425	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.55	98	157430	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.83	79	21840	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.30	63	85427	42.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.00%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	46354	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	59121	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

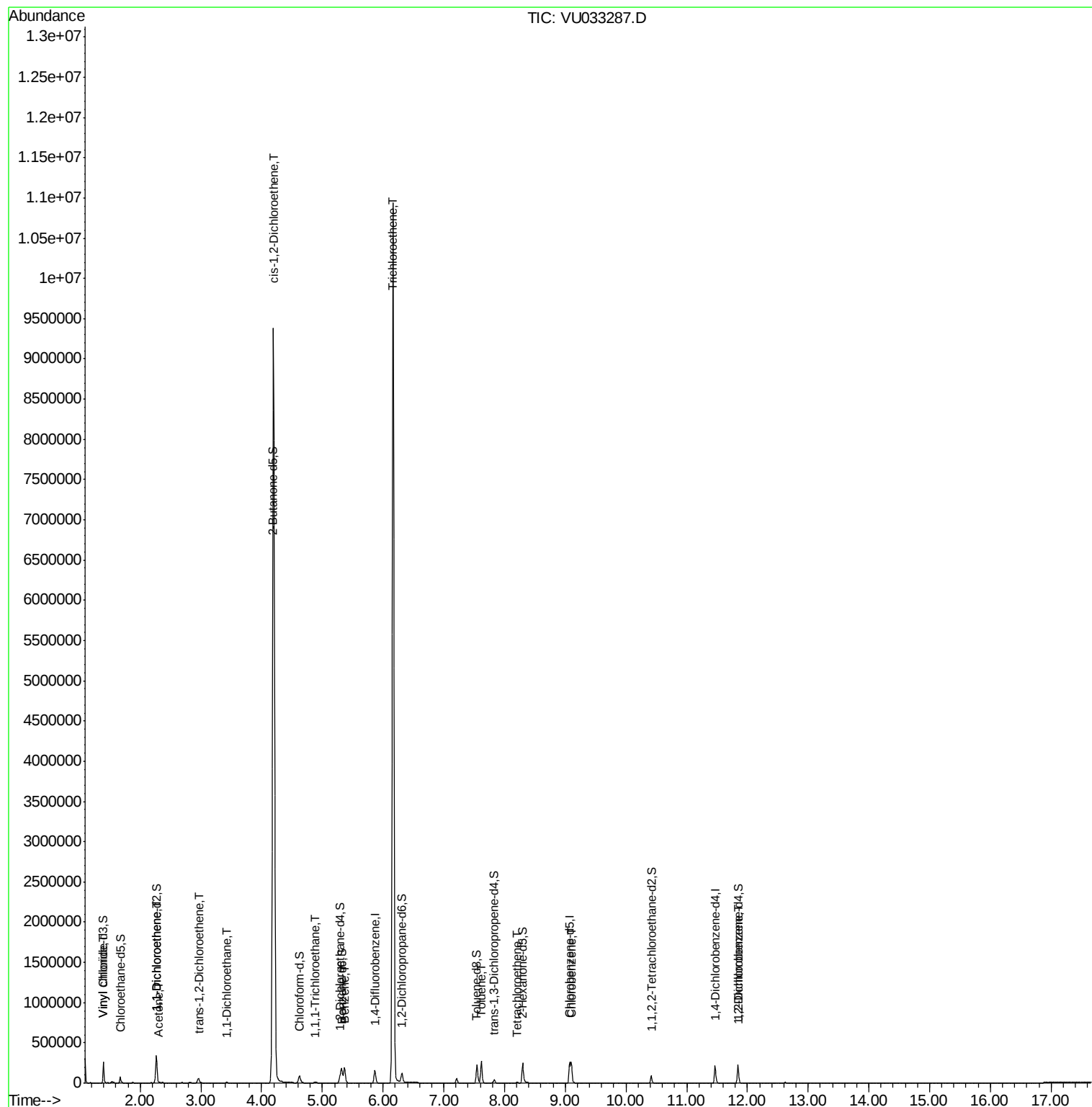
					Ovalue
5) Vinyl chloride	1.40	62	118575	8.336	ug/L 100
12) 1,1-Dichloroethene	2.27	96	73444	6.765	ug/L 87
13) Acetone	2.31	43	8560	3.899	ug/L 98
18) trans-1,2-Dichloroethene	2.96	96	20967	1.749	ug/L 99
19) 1,1-Dichloroethane	3.42	63	10091	0.560	ug/L 98
22) cis-1,2-Dichloroethene	4.20	96	4970536	490.462	ug/L 92
29) 1,1,1-Trichloroethane	4.89	97	7051	0.443	ug/L 97
33) Benzene	5.36	78	190072	4.871	ug/L 100
34) Trichloroethene	6.16	95	3684200	356.809	ug/L 96
42) Toluene	7.62	91	202150	4.826	ug/L 99
47) Tetrachloroethene	8.21	164	3242	0.392	ug/L 86
51) Chlorobenzene	9.10	112	134229	4.882	ug/L 99
65) 1,2-Dichlorobenzene	11.86	146	2313	0.134	ug/L # 85

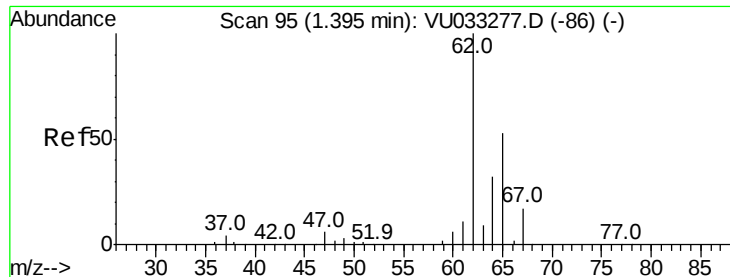
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 8.336 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033287.D

Acq: 17 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampled :

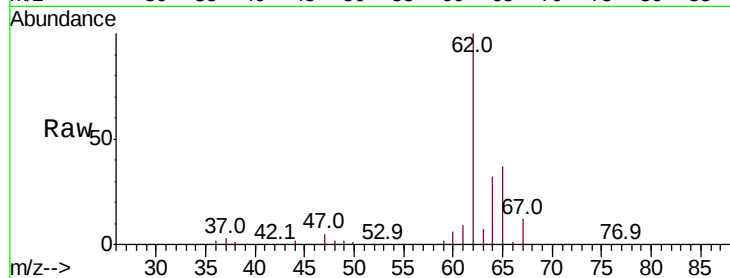
A52M0MSD

Tot Ion: 62 Resp: 118575

Ion Ratio Lower Upper

62 100

64 32.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

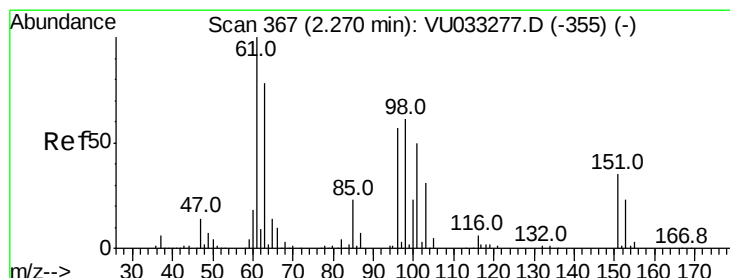
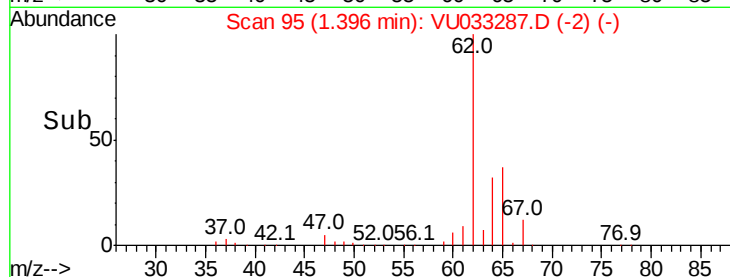
1.40

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 6.765 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033287.D

Acq: 17 Jul 2019 13:39

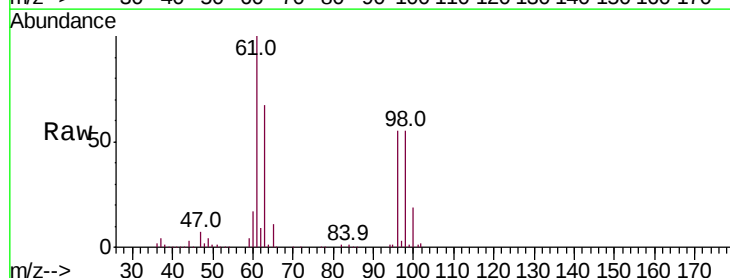
Tgt Ion: 96 Resp: 73444

Ion Ratio Lower Upper

96 100

61 181.5 129.3 240.1

63 121.4 108.9 202.3



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

120000

100000

80000

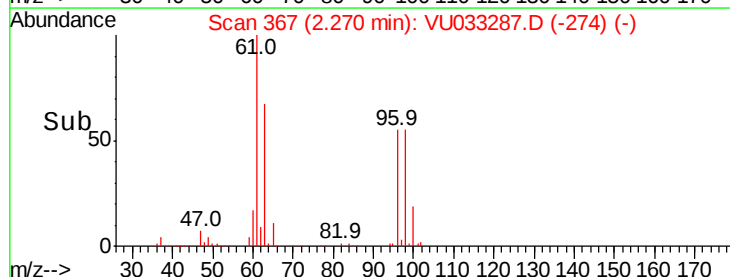
60000

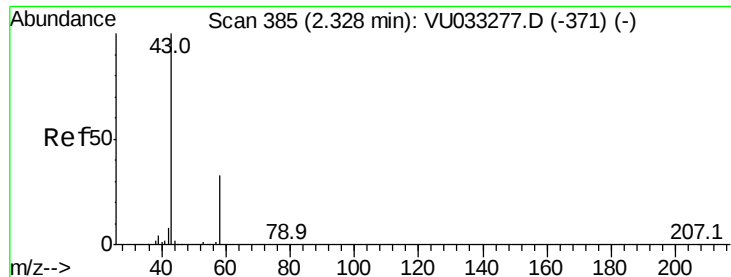
40000

20000

0

Time-->





#13

Acetone

Concen: 3.899 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033287.D

Acq: 17 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

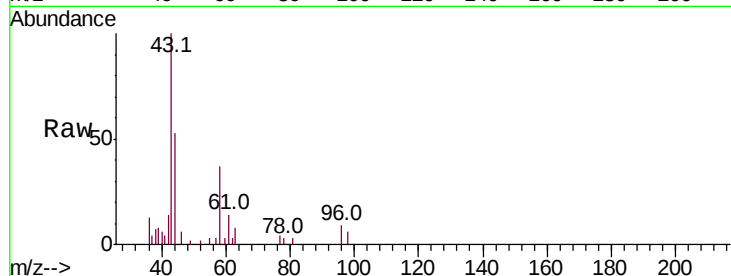
A52M0MSD

Tot Ion: 43 Resp: 8560

Ion Ratio Lower Upper

43 100

58 34.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033287.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU033287.D (-371) (-)

2.31

5000

4000

3000

2000

1000

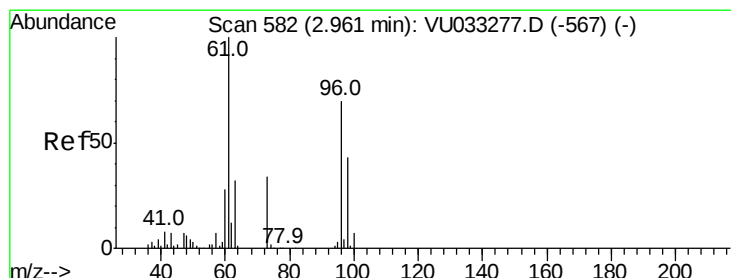
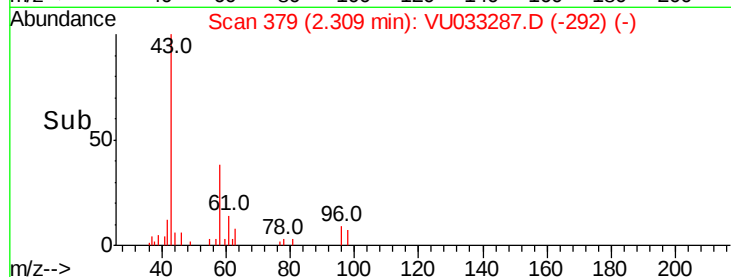
0

Time-->

2.25

2.30

2.35



#18

trans-1,2-Dichloroethene

Concen: 1.749 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033287.D

Acq: 17 Jul 2019 13:39

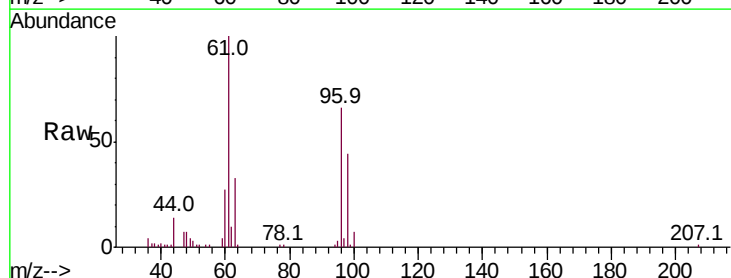
Tgt Ion: 96 Resp: 20967

Ion Ratio Lower Upper

96 100

61 151.8 107.1 198.9

98 66.3 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU033287.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU033287.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU033287.D (-567) (-)

20000

15000

10000

5000

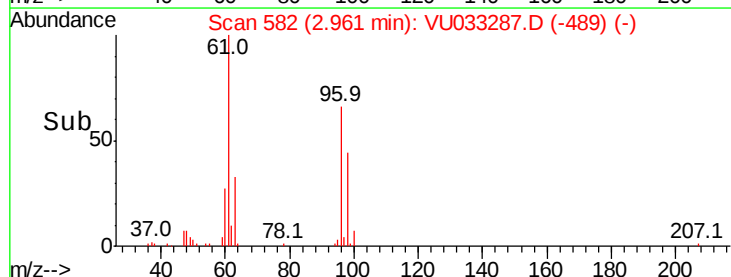
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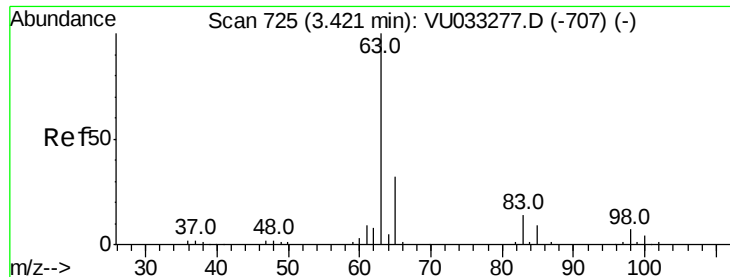
Time-->

2.90

2.95

3.00





#19

1,1-Dichloroethane

Concen: 0.560 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033287.D

Acq: 17 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

A52M0MSD

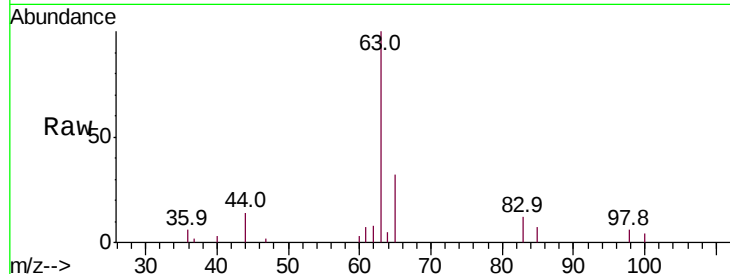
Tot Ion: 63 Resp: 10091

Ion Ratio Lower Upper

63 100

65 32.1 21.7 40.3

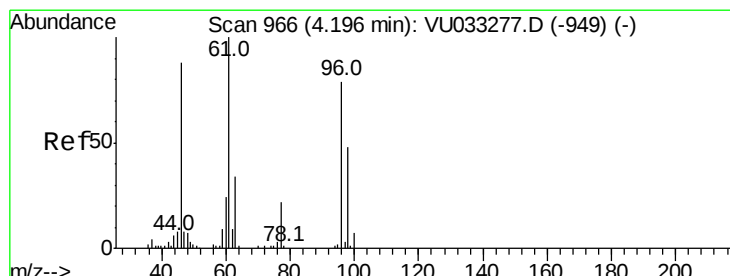
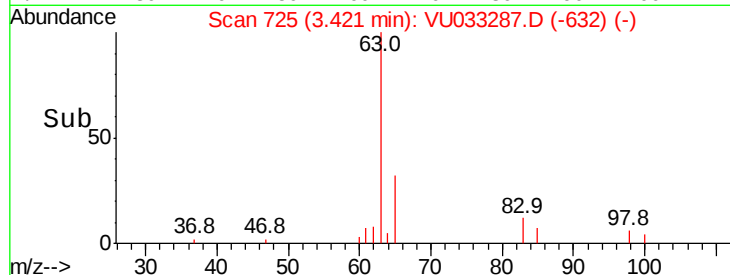
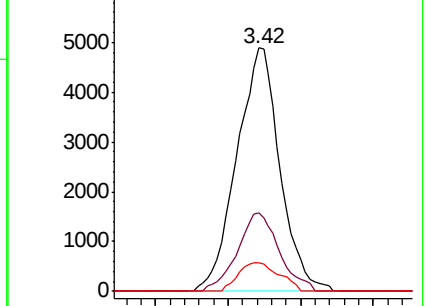
83 11.9 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU033287.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU033287.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU033287.D (-707) (-)



#22

cis-1,2-Dichloroethene

Concen: 490.462 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033287.D

Acq: 17 Jul 2019 13:39

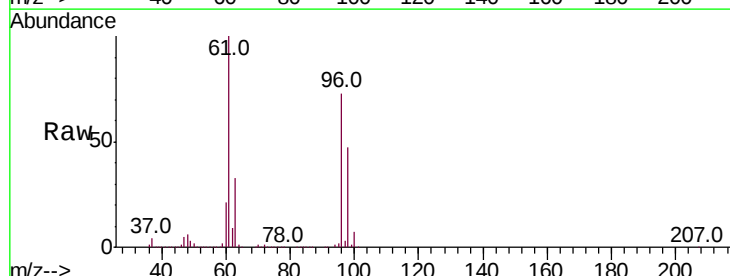
Tgt Ion: 96 Resp: 4970536

Ion Ratio Lower Upper

96 100

61 136.1 89.2 165.6

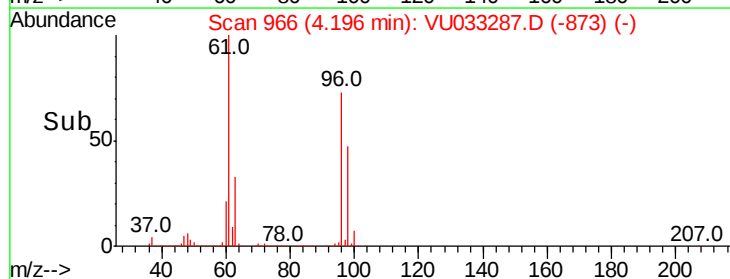
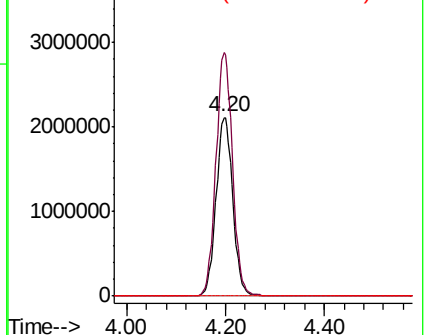
68 0.0 0.0 0.0

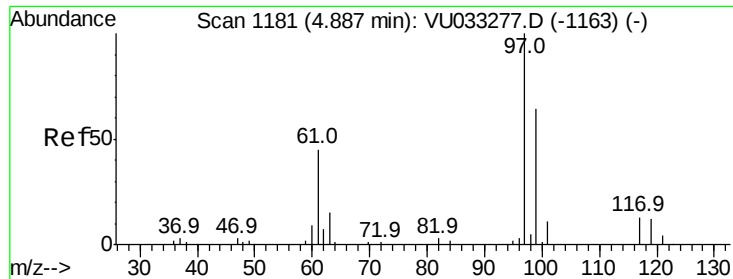


Abundance Ion 96.00 (95.70 to 96.70): VU033287.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU033287.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU033287.D (-949) (-)

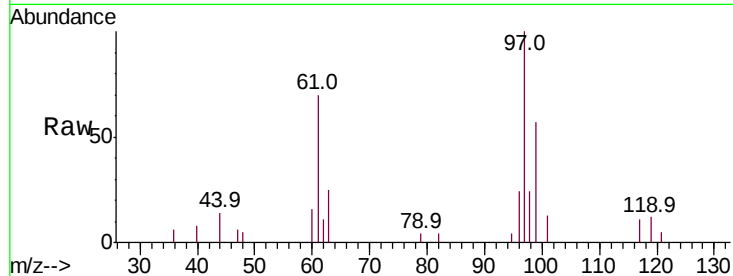




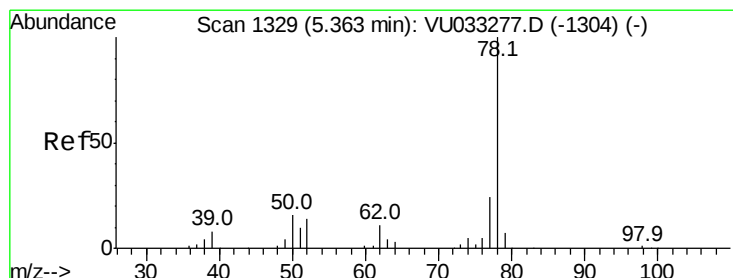
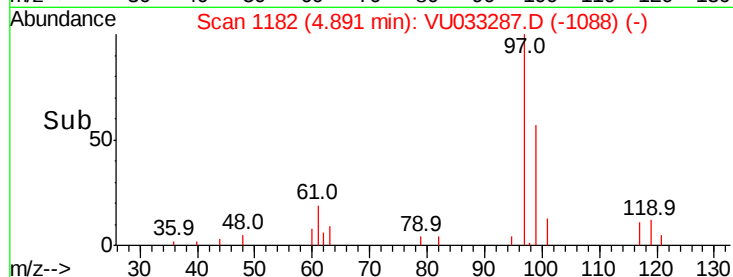
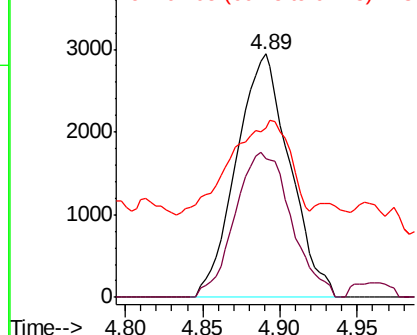
#29
 1,1,1-Trichloroethane
 Concen: 0.443 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033287.D
 Acq: 17 Jul 2019 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M0MSD

Tot Ion: 97 Resp: 7051
 Ion Ratio Lower Upper
 97 100
 99 62.6 51.6 77.4
 61 42.7 36.2 54.4

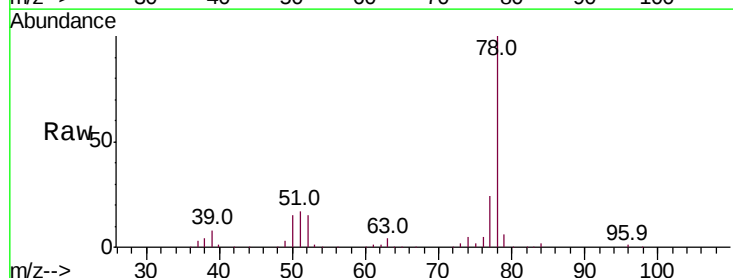


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

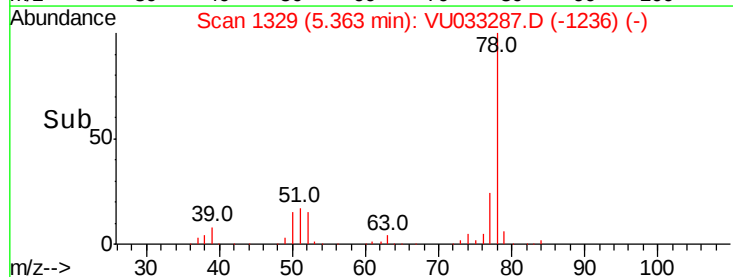
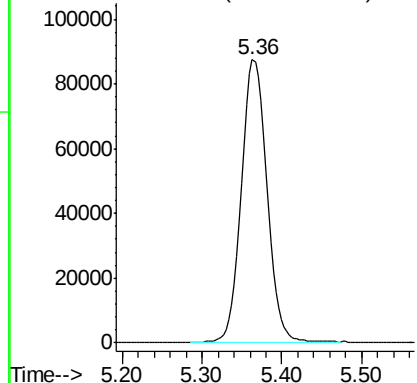


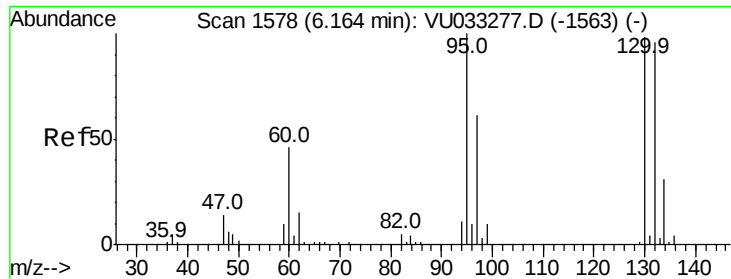
#33
 Benzene
 Concen: 4.871 ug/L
 RT: 5.36 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: VU033287.D
 Acq: 17 Jul 2019 13:39

Tgt Ion: 78 Resp: 190072



Abundance Ion 78.10 (77.80 to 78.80): VU0



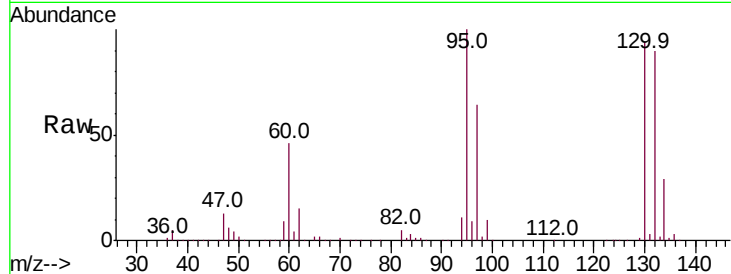


#34
 Trichloroethene
 Concen: 356.809 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033287.D
 Acq: 17 Jul 2019 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M0MSD

Tot Ion: 95 Resp: 3684200

Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.5	82.7
132	89.9	66.6	123.8
130	93.8	68.9	127.9



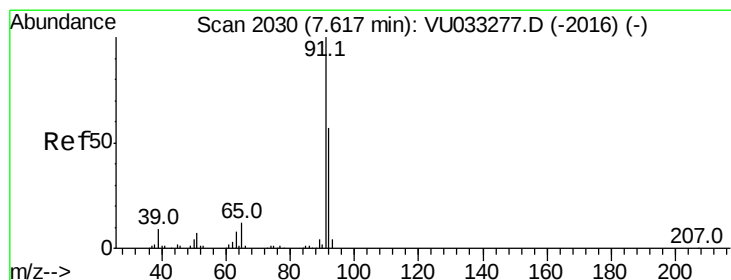
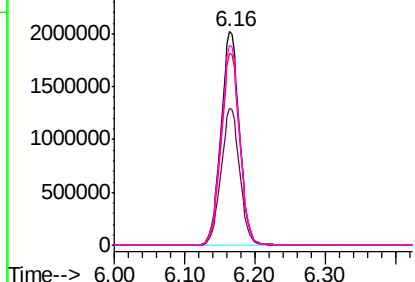
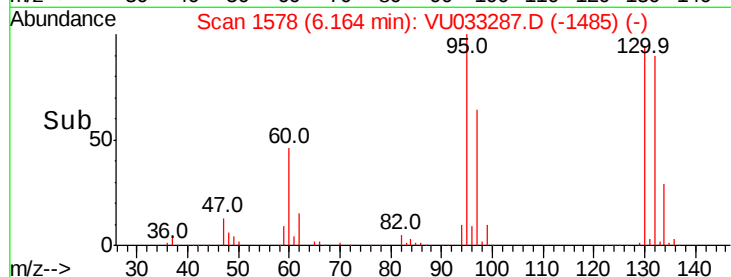
Abundance

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

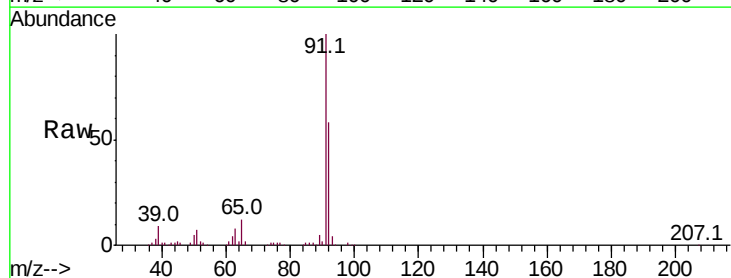
Ion 129.95 (129.65 to 130.65): V



#42
 Toluene
 Concen: 4.826 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033287.D
 Acq: 17 Jul 2019 13:39

Tgt Ion: 91 Resp: 202150

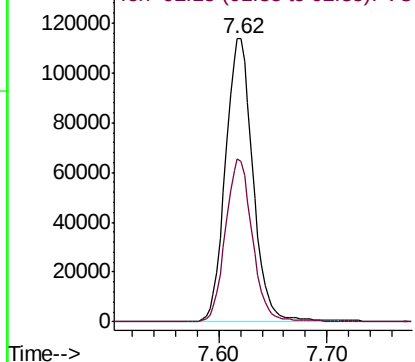
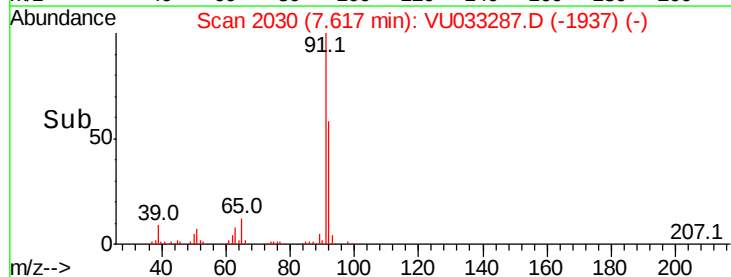
Ion	Ratio	Lower	Upper
91	100		
92	57.5	40.0	74.2

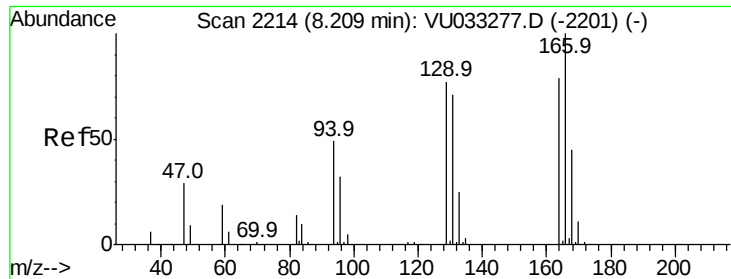


Abundance

Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

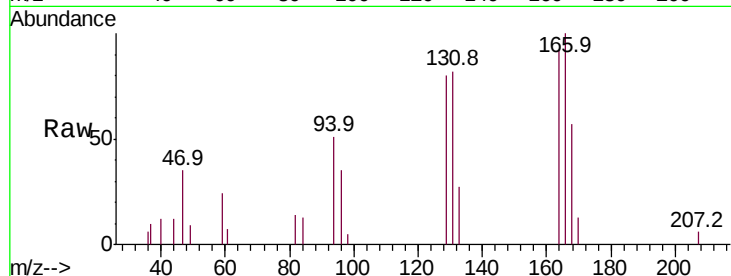




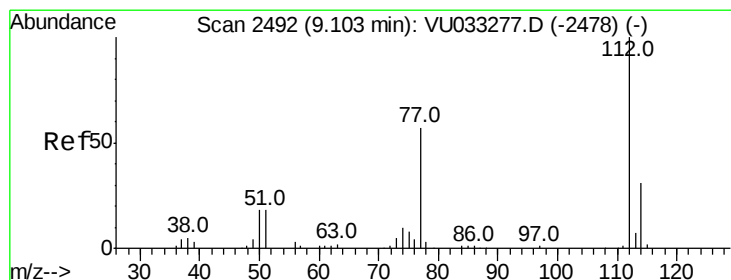
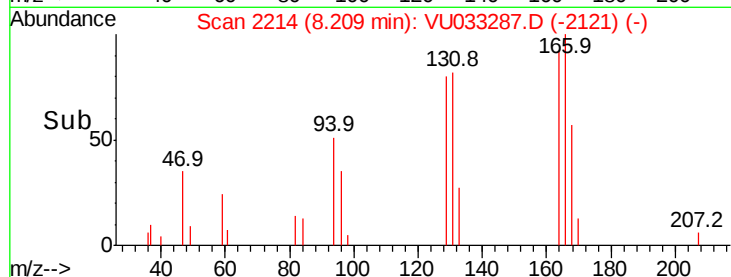
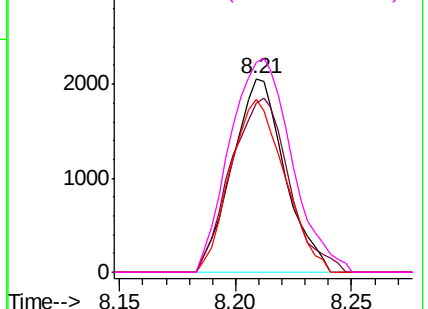
#47
Tetrachloroethene
Concen: 0.392 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033287.D
Acq: 17 Jul 2019 13:39

Instrument :
MSVOA_U
ClientSampleId :
A52M0MSD

Tot Ion:164 Resp: 3242
Ion Ratio Lower Upper
164 100
129 87.2 68.5 127.1
131 89.2 67.3 124.9
166 108.5 93.1 172.9

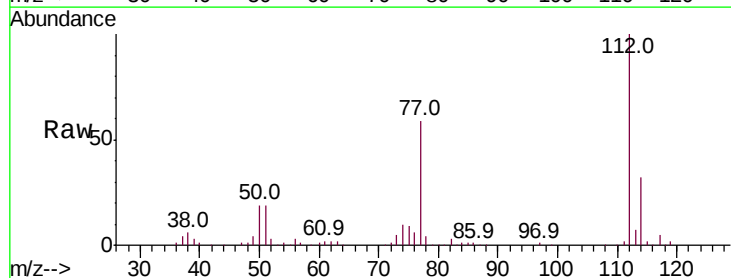


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

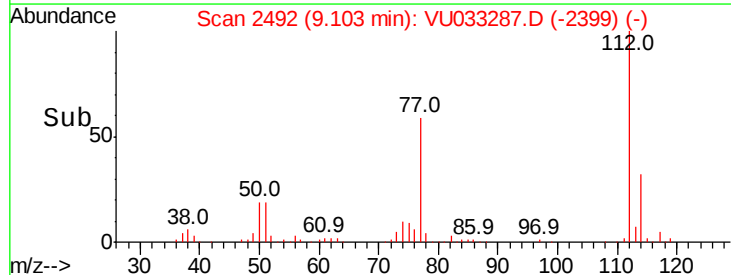
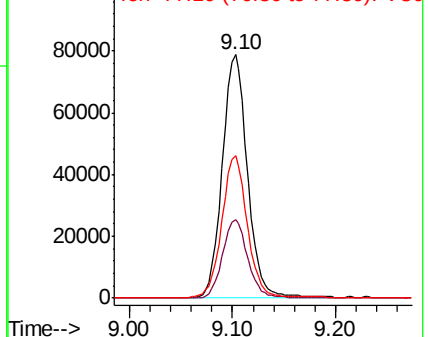


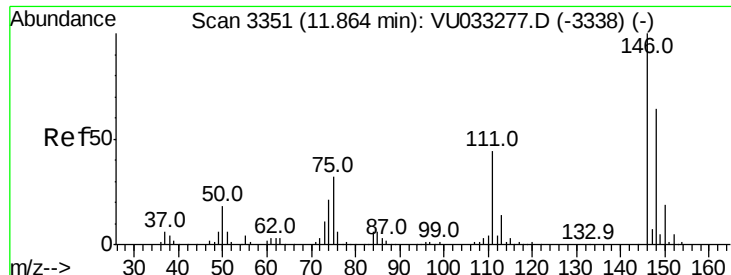
#51
Chlorobenzene
Concen: 4.882 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033287.D
Acq: 17 Jul 2019 13:39

Tgt Ion:112 Resp: 134229
Ion Ratio Lower Upper
112 100
114 32.4 22.1 41.1
77 58.6 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#65

1,2-Dichlorobenzene

Concen: 0.134 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033287.D

Acq: 17 Jul 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

A52M0MSD

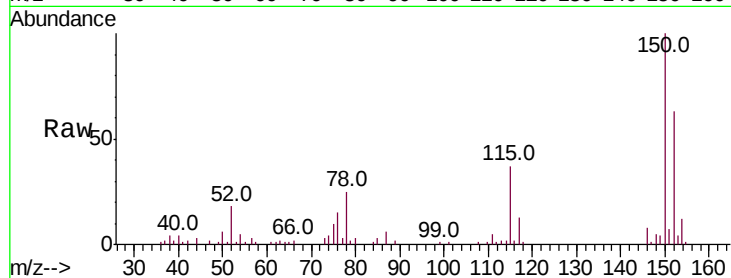
Tot Ion:146 Resp: 2313

Ion Ratio Lower Upper

146 100

111 58.2 34.2 51.4#

148 57.4 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

