

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
 Data File : VU029475.D
 Acq On : 14 Feb 2019 23:05
 Operator : JC/SP
 Sample : K1438-14MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD6MS

Quant Time: Feb 15 03:25:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 15 01:55:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188326	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177116	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93952	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49574	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.68	69	48368	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.28	63	117701	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	4.19	46	137353	52.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.42%
24) Chloroform-d	4.65	84	90417	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	49587	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.34	84	188617	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.33	67	59279	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.56	98	179871	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.85	79	23398	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.31	63	136245	52.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52755	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	82806	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

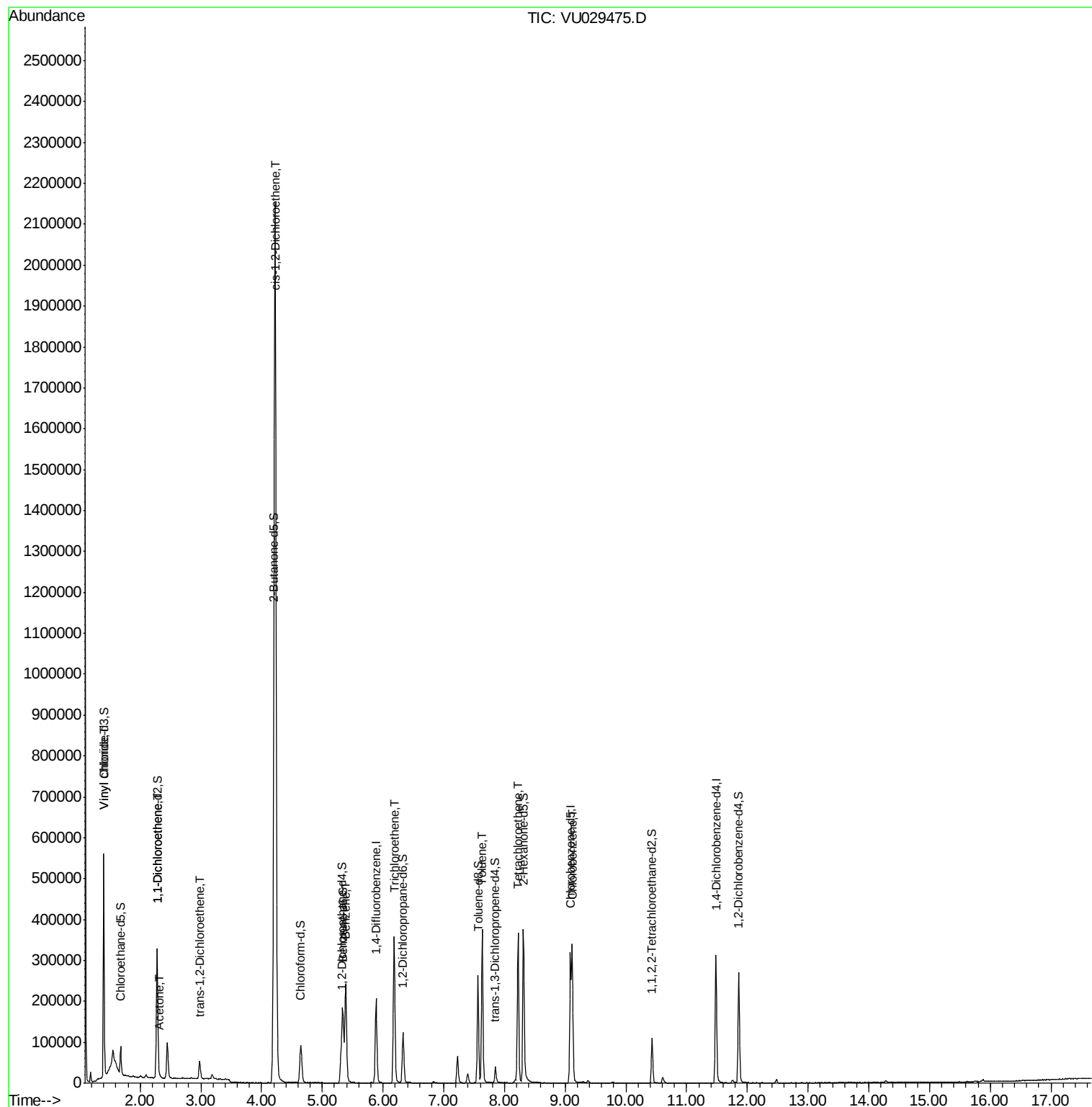
					Qvalue
5) Vinyl chloride	1.40	62	298866	16.478 ug/L	97
12) 1,1-Dichloroethene	2.28	96	75751	4.888 ug/L	94
13) Acetone	2.32	43	5208	2.179 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	18238	1.104 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	1268625	83.451 ug/L	99
33) Benzene	5.39	78	244919	4.698 ug/L	100
34) Trichloroethene	6.18	95	118806	8.105 ug/L	97
42) Toluene	7.63	91	278393	4.758 ug/L	98
47) Tetrachloroethene	8.22	164	87484	6.516 ug/L	98
51) Chlorobenzene	9.12	112	186416	4.632 ug/L	99

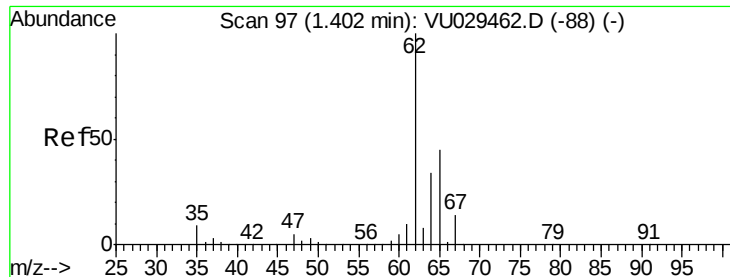
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 16.478 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029475.D

Acq: 14 Feb 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

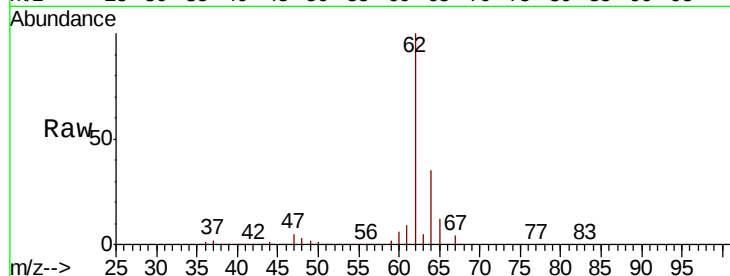
ESXD6MS

Tgt Ion: 62 Resp: 298866

Ion Ratio Lower Upper

62 100

64 35.1 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

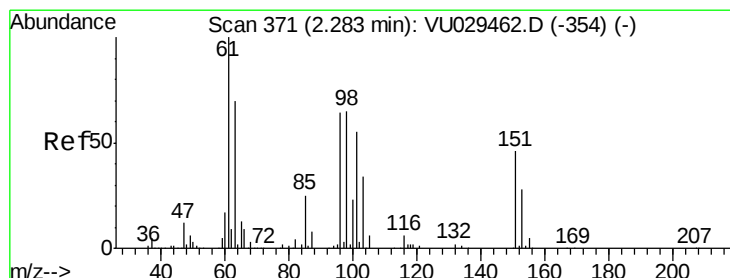
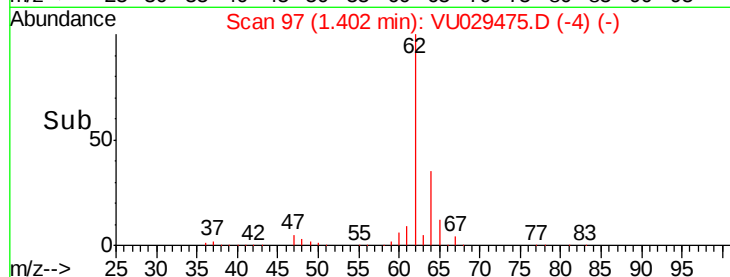
300000

200000

100000

0

Time-->



#12

1,1-Dichloroethene

Concen: 4.888 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029475.D

Acq: 14 Feb 2019 23:05

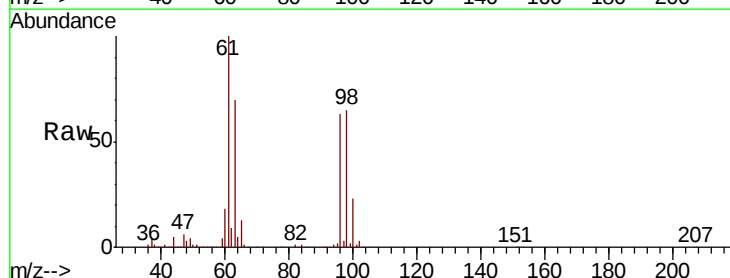
Tgt Ion: 96 Resp: 75751

Ion Ratio Lower Upper

96 100

61 157.8 115.1 213.7

63 110.4 83.5 155.1



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

100000

80000

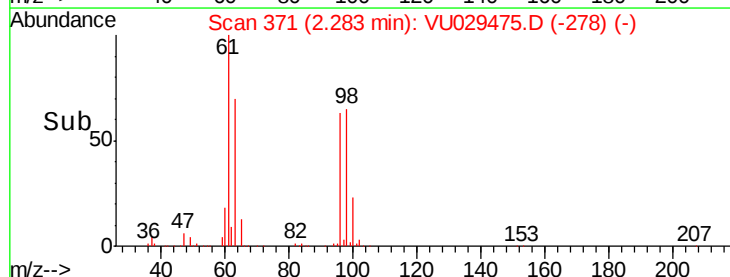
60000

40000

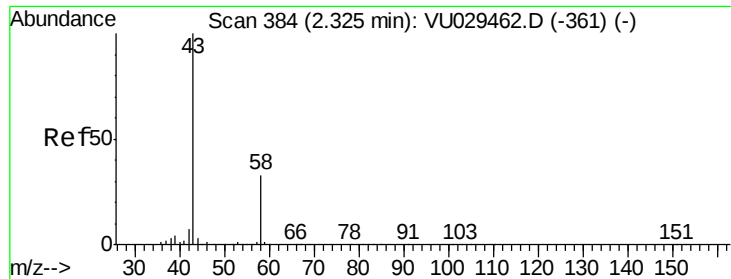
20000

0

Time-->



Time-->



#13

Acetone

Concen: 2.179 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029475.D

Acq: 14 Feb 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

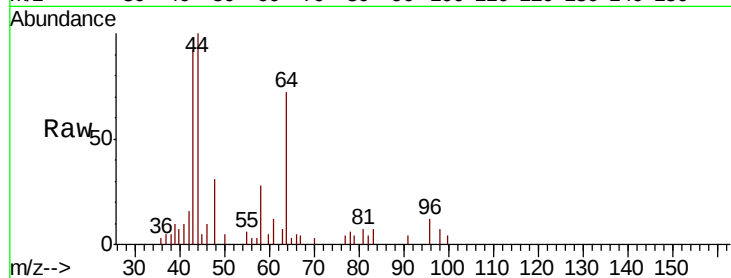
ESXD6MS

Tgt Ion: 43 Resp: 5208

Ion Ratio Lower Upper

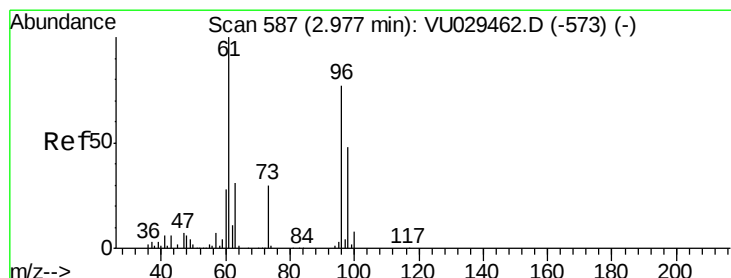
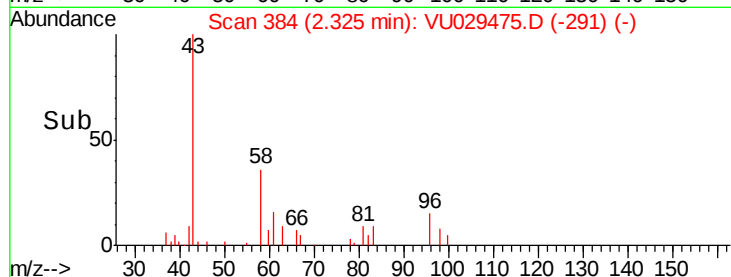
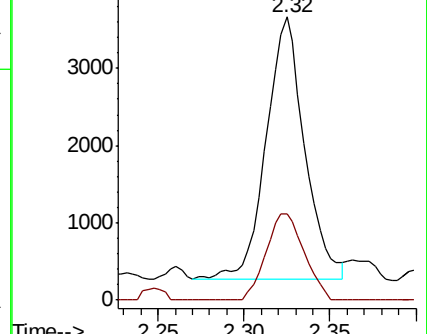
43 100

58 32.9 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 1.104 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029475.D

Acq: 14 Feb 2019 23:05

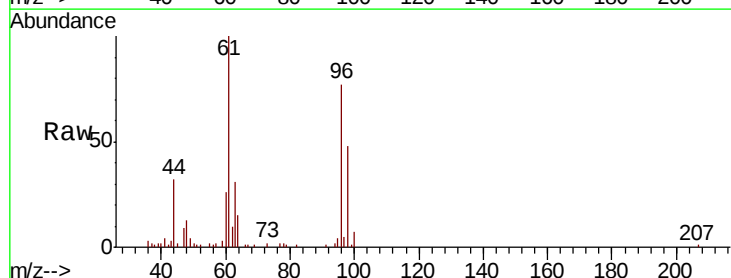
Tgt Ion: 96 Resp: 18238

Ion Ratio Lower Upper

96 100

61 129.5 95.4 177.2

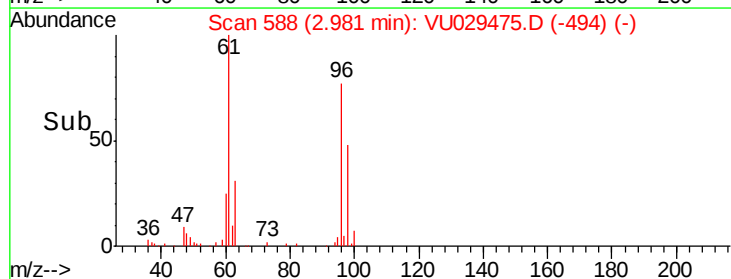
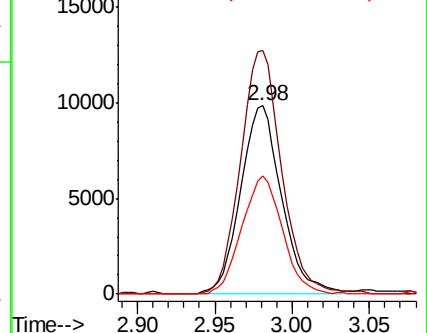
98 62.6 45.8 85.2

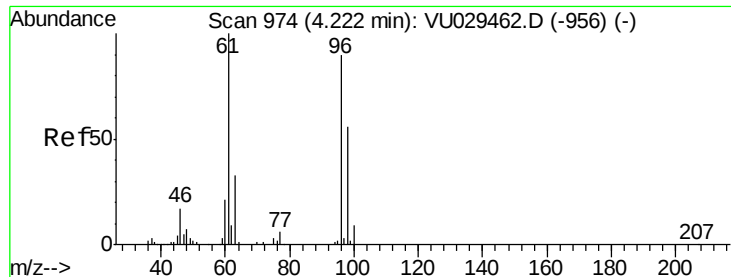


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



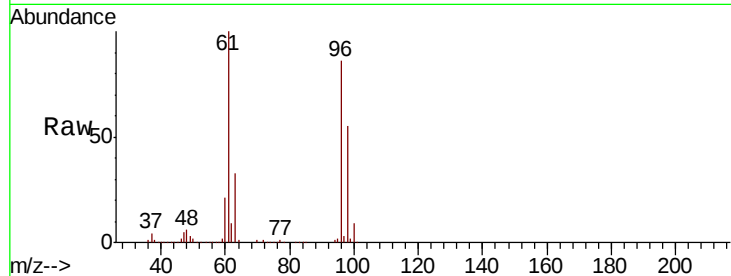


#22

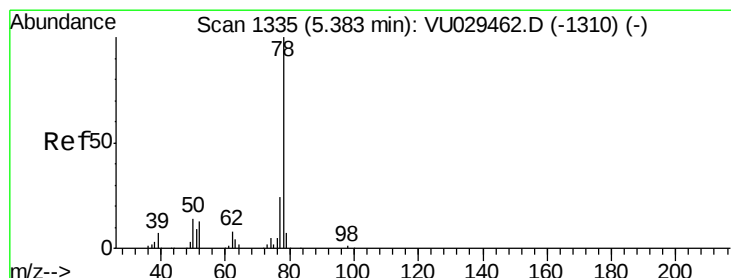
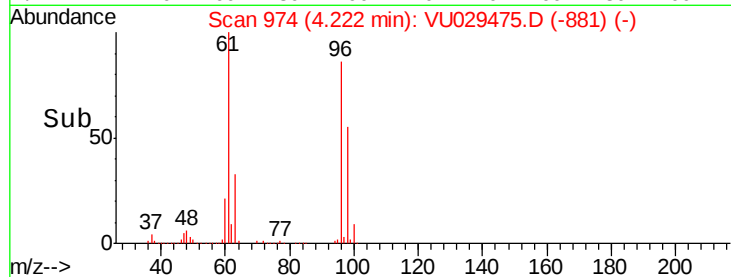
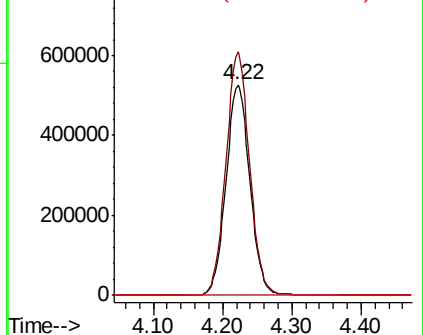
cis-1,2-Dichloroethene
Concen: 83.451 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion: 96 Resp: 1268625
Ion Ratio Lower Upper
96 100
61 115.7 79.9 148.5
68 0.0 0.0 0.0



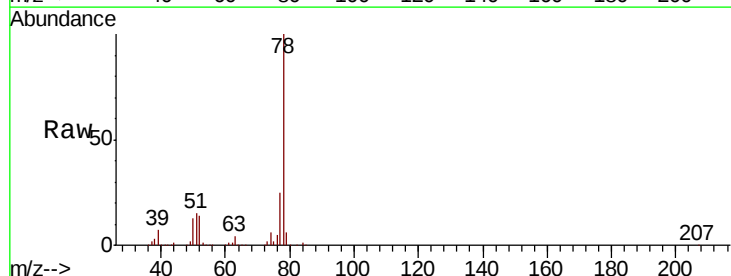
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



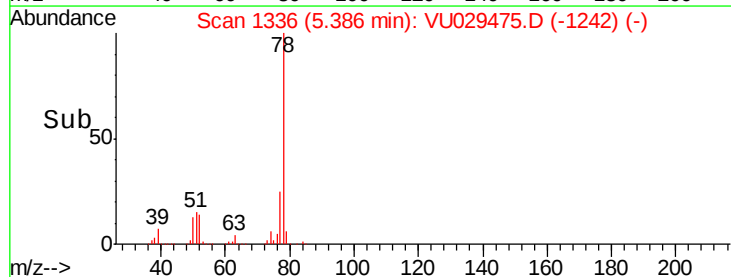
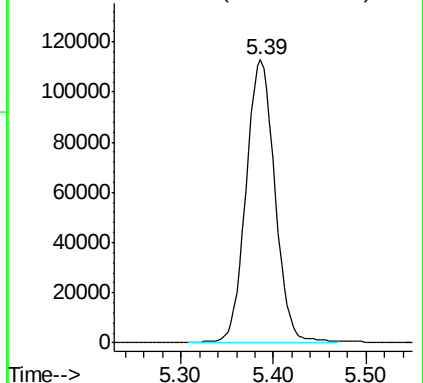
#33

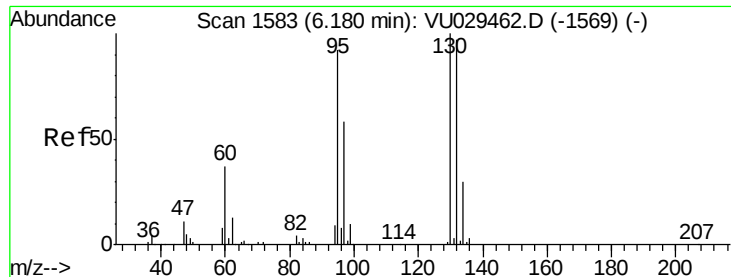
Benzene
Concen: 4.698 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion: 78 Resp: 244919



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 8.105 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU029475.D

Acq: 14 Feb 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

ESXD6MS

Tgt Ion: 95 Resp: 118806

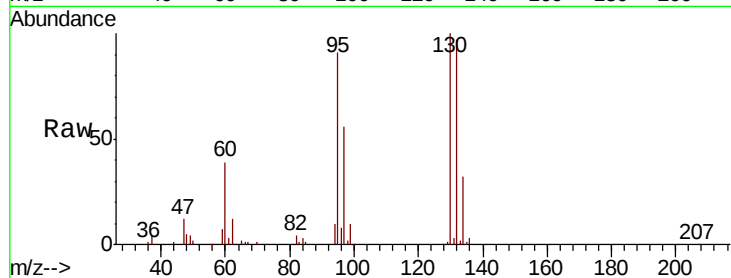
Ion Ratio Lower Upper

95 100

97 62.3 46.3 86.1

132 106.8 72.9 135.3

130 110.4 79.2 147.0

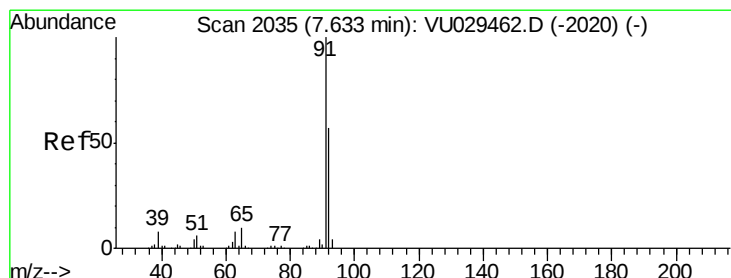
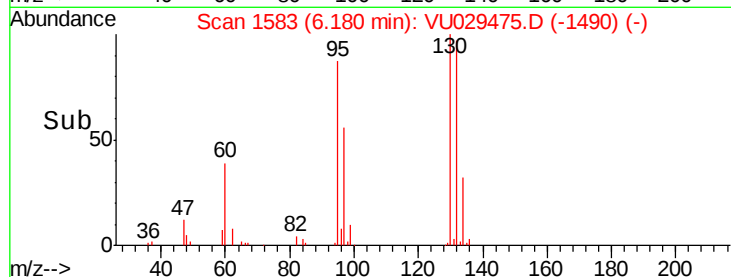
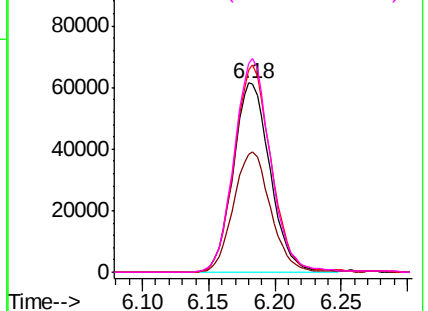


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.758 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029475.D

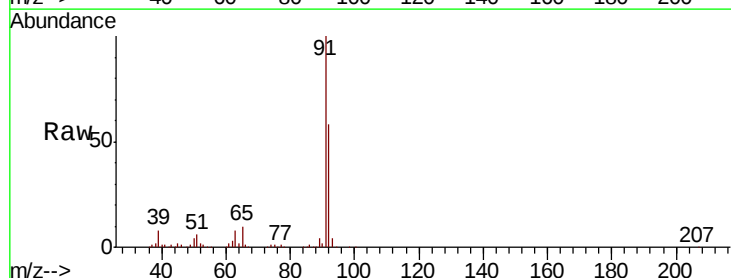
Acq: 14 Feb 2019 23:05

Tgt Ion: 91 Resp: 278393

Ion Ratio Lower Upper

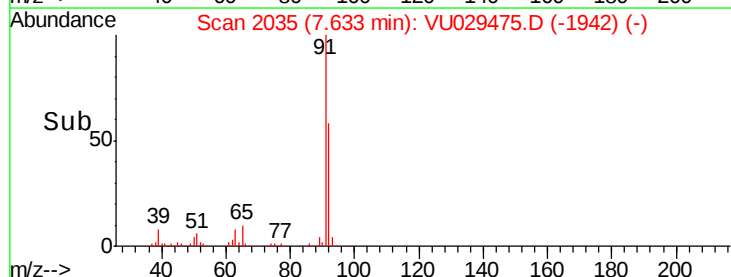
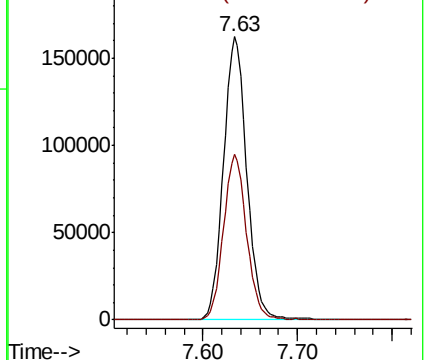
91 100

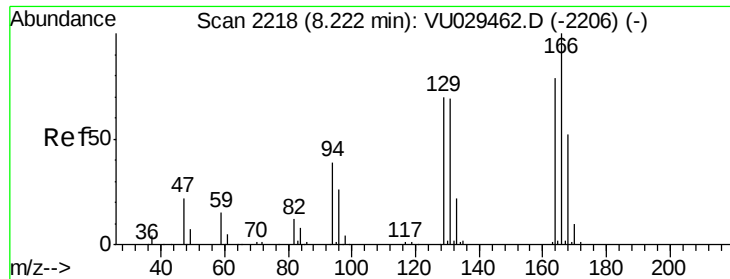
92 58.5 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

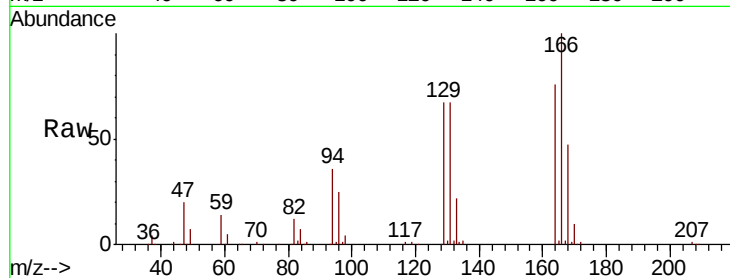




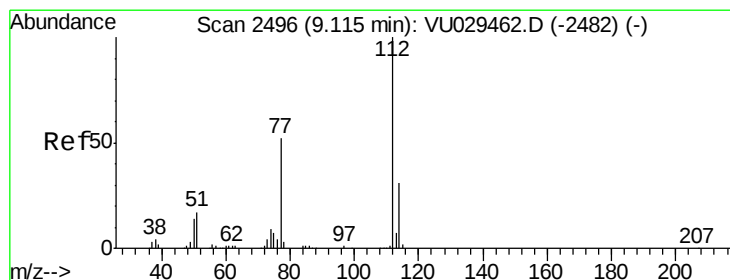
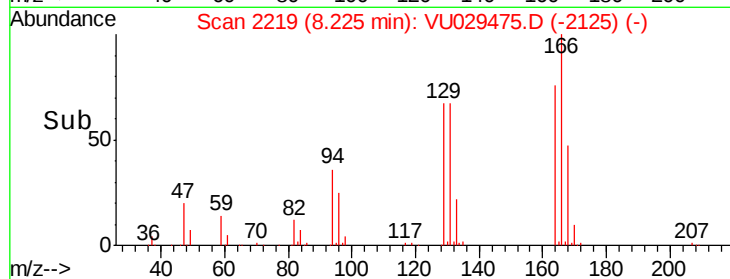
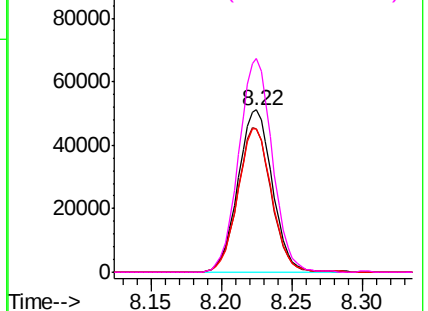
#47
Tetrachloroethene
Concen: 6.516 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MS

Tgt Ion:164 Resp: 87484
Ion Ratio Lower Upper
164 100
129 88.6 62.9 116.9
131 88.2 62.1 115.3
166 131.9 89.8 166.8

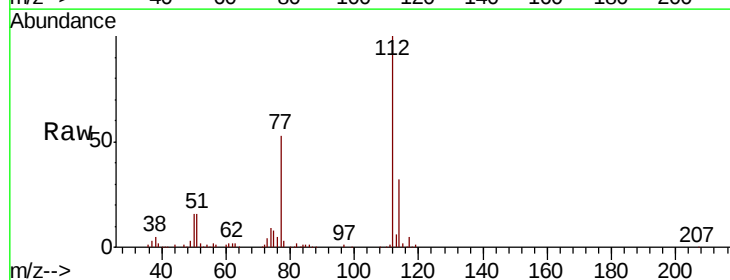


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#51
Chlorobenzene
Concen: 4.632 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029475.D
Acq: 14 Feb 2019 23:05

Tgt Ion:112 Resp: 186416
Ion Ratio Lower Upper
112 100
114 32.2 22.9 42.5
77 52.5 41.8 62.6



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

