

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071318\
 Data File : VU025401.D
 Acq On : 13 Jul 2018 20:44
 Operator : MD/SY
 Sample : J3984-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB182

Quant Time: Jul 14 04:30:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 13 14:43:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	324760	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	297348	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	140657	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84151	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.70%
7) Chloroethane-d5	1.68	69	66003	41.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.44%
11) 1,1-Dichloroethene-d2	2.27	63	120270	28.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.80%#
21) 2-Butanone-d5	4.17	46	154385	95.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.14%
24) Chloroform-d	4.65	84	176070	42.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.68%
26) 1,2-Dichloroethane-d4	5.31	65	125233	42.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.94%
32) Benzene-d6	5.35	84	339669	41.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.26%
36) 1,2-Dichloropropane-d6	6.33	67	111014	42.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.44%
41) Toluene-d8	7.57	98	327810	41.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.14%
43) trans-1,3-Dichloropropene-	7.85	79	51565	39.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.14%
47) 2-Hexanone-d5	8.31	63	118080	99.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.56%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	161499	43.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	133457	43.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.08%

Target Compounds

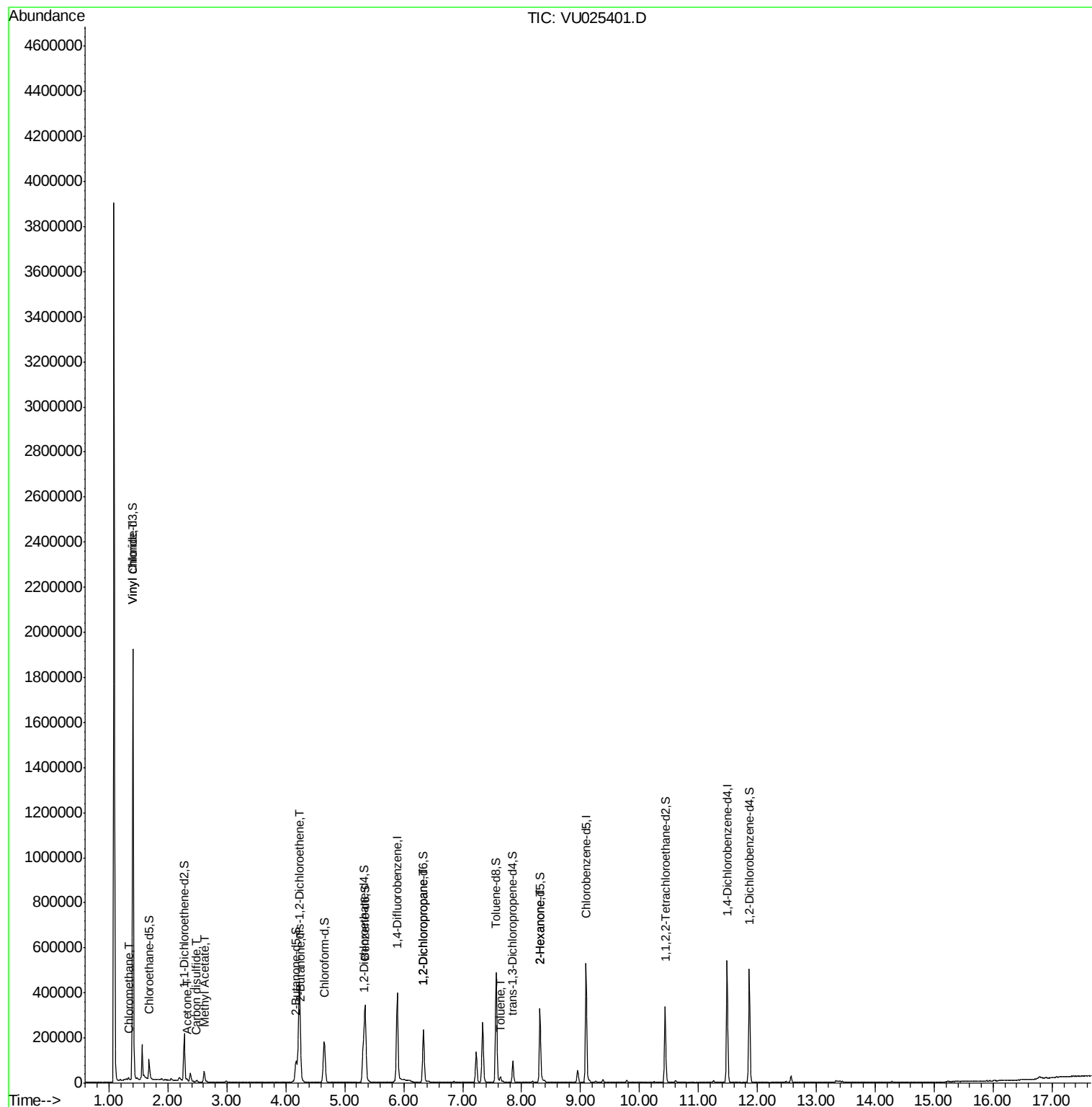
					Qvalue
3) Chloromethane	1.33	50	6486	2.665	ug/L 97
5) Vinyl chloride	1.40	62	1183330	469.817	ug/L 98
13) Acetone	2.32	43	9655	5.789	ug/L 86
14) Carbon disulfide	2.48	76	17215	2.862	ug/L 98
15) Methyl Acetate	2.61	43	53501	20.965	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	244986	98.354	ug/L 97
22) 2-Butanone	4.26	43	6346	3.216	ug/L # 48
37) 1,2-Dichloropropane	6.34	63	12653	5.254	ug/L # 88
42) Toluene	7.64	91	14779	1.508	ug/L 95
48) 2-Hexanone	8.31	43	13613	4.932	ug/L # 69

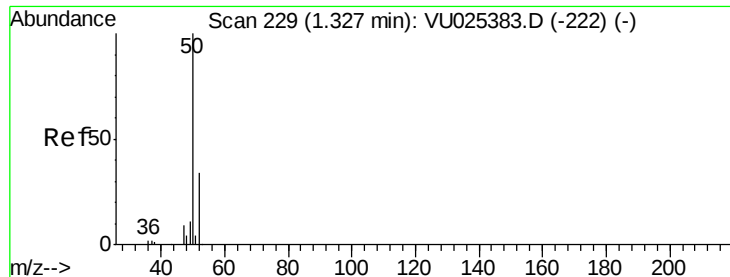
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.665 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025401.D

Acq: 13 Jul 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

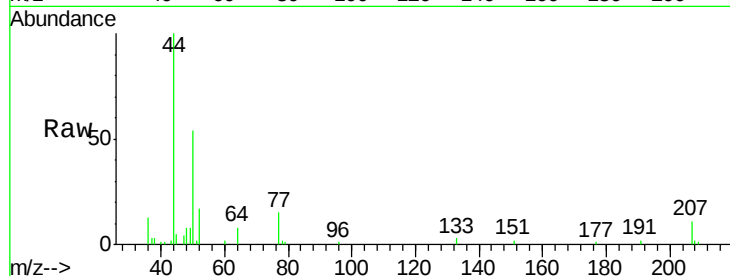
DB182

Tgt Ion: 50 Resp: 6486

Ion Ratio Lower Upper

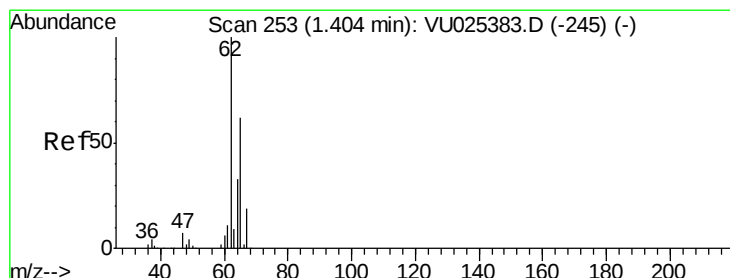
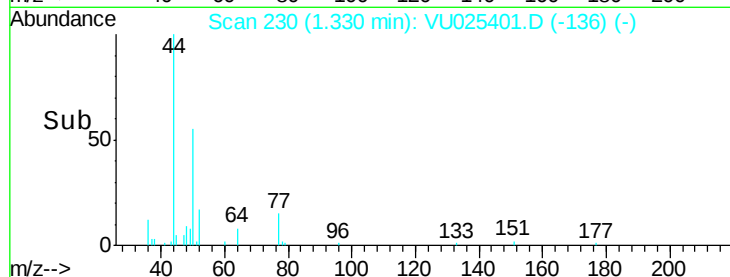
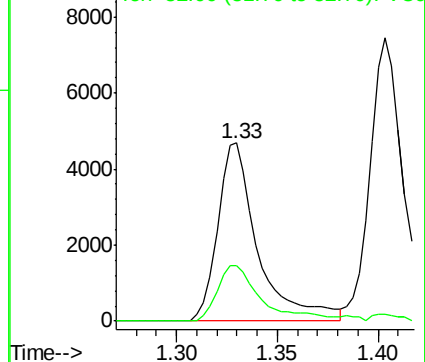
50 100

52 31.4 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#5

Vinyl chloride

Concen: 469.817 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025401.D

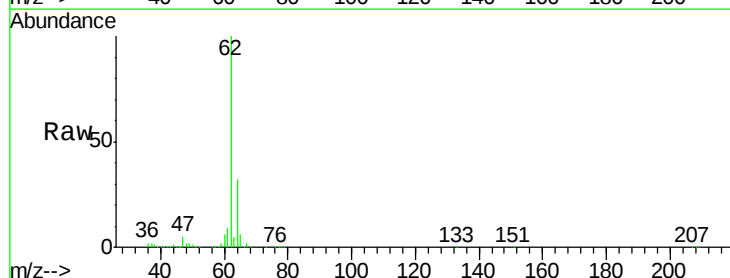
Acq: 13 Jul 2018 20:44

Tgt Ion: 62 Resp: 1183330

Ion Ratio Lower Upper

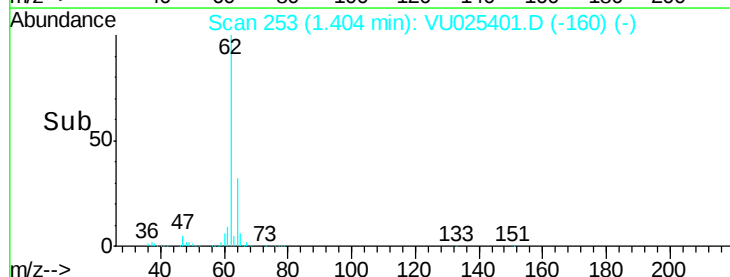
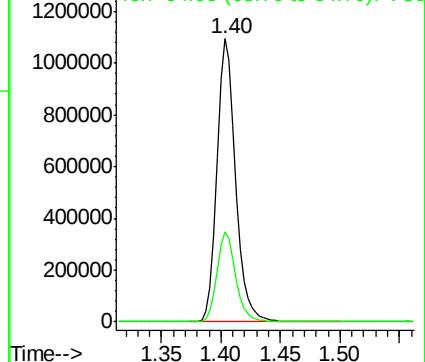
62 100

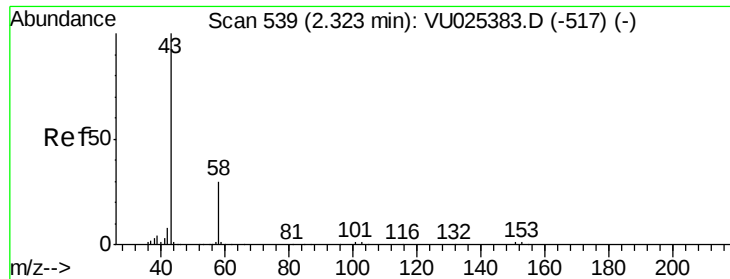
64 31.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#13

Acetone

Concen: 5.789 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025401.D

Acq: 13 Jul 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

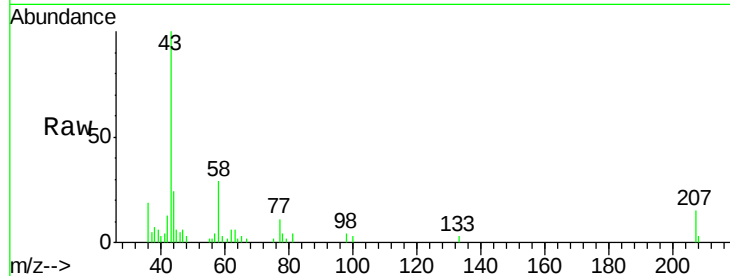
DB182

Tgt Ion: 43 Resp: 9655

Ion Ratio Lower Upper

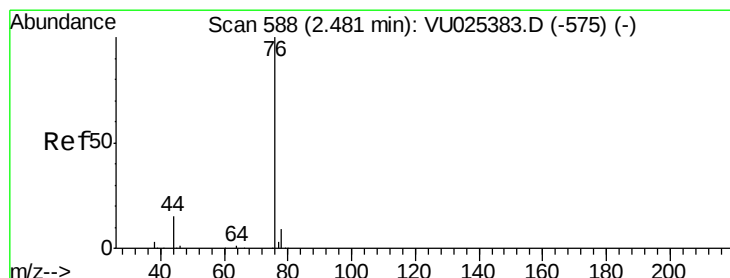
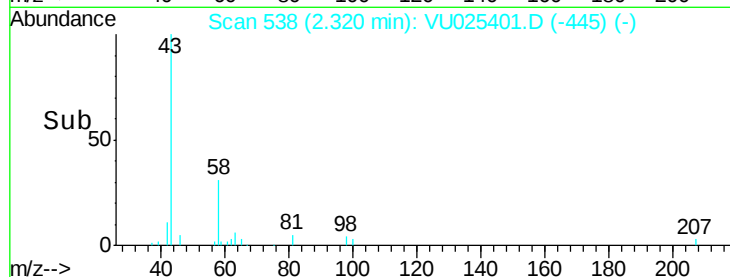
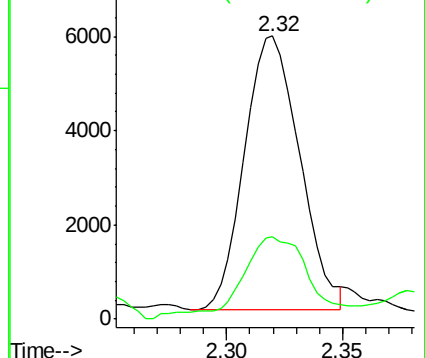
43 100

58 37.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 2.862 ug/L

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU025401.D

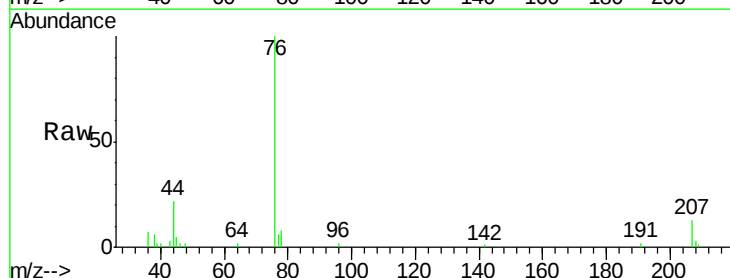
Acq: 13 Jul 2018 20:44

Tgt Ion: 76 Resp: 17215

Ion Ratio Lower Upper

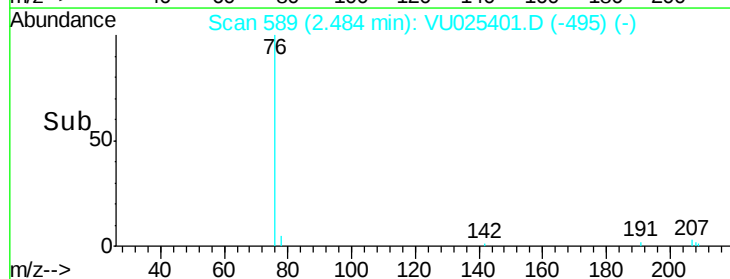
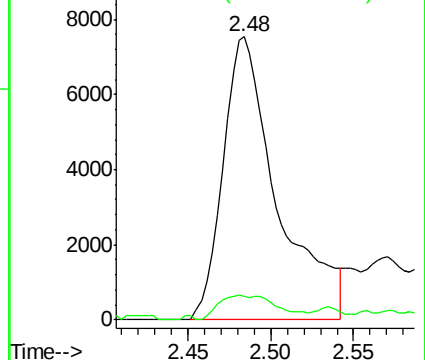
76 100

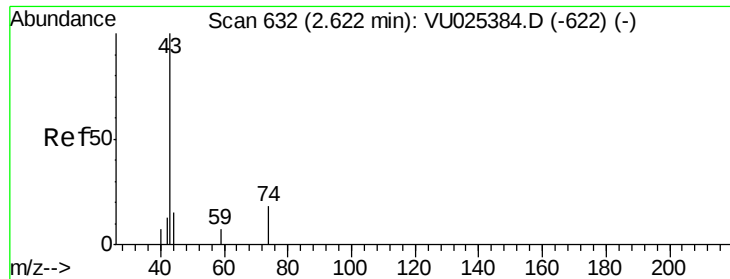
78 8.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

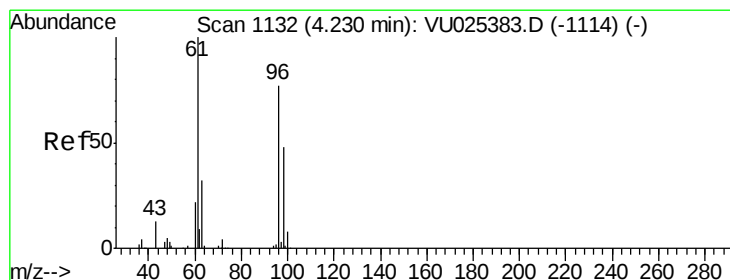
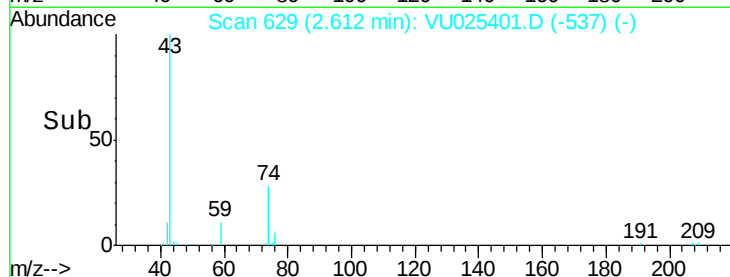
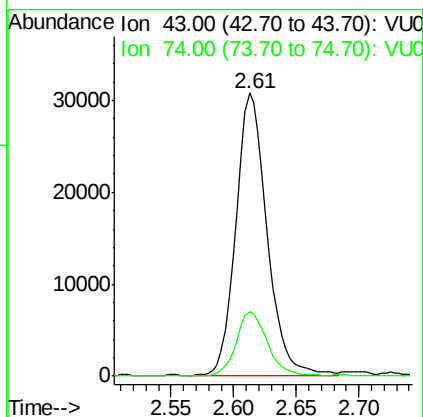
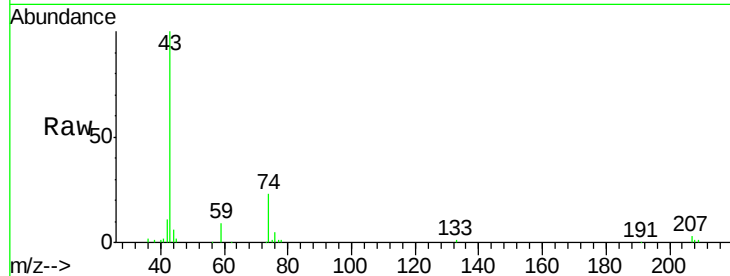




#15
Methyl Acetate
Concen: 20.965 ug/L
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU025401.D
Acq: 13 Jul 2018 20:44

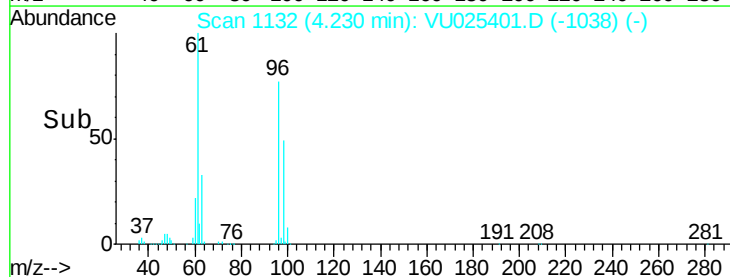
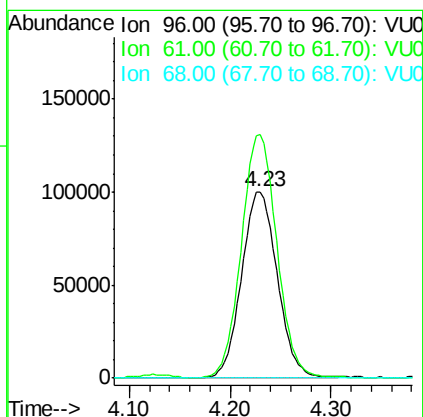
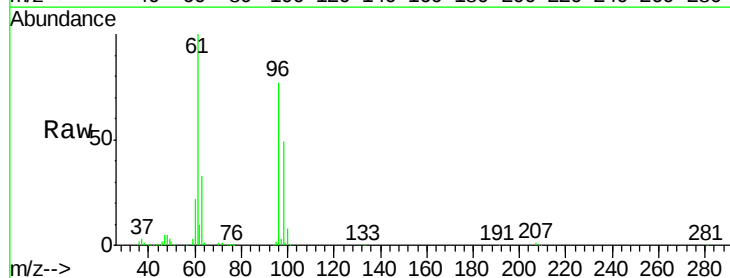
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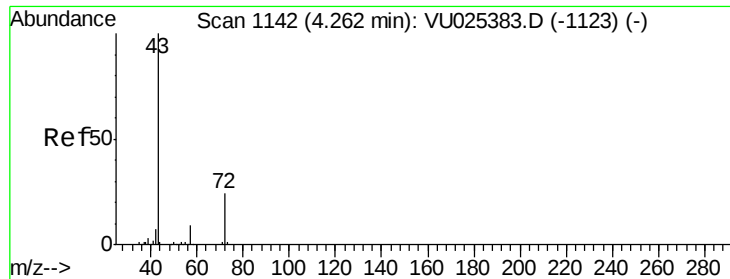
Tgt Ion: 43 Resp: 53501
Ion Ratio Lower Upper
43 100
74 22.6 18.6 28.0



#20
cis-1,2-Dichloroethene
Concen: 98.354 ug/L
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025401.D
Acq: 13 Jul 2018 20:44

Tgt Ion: 96 Resp: 244986
Ion Ratio Lower Upper
96 100
61 130.5 93.4 173.6
68 0.0 0.0 0.0

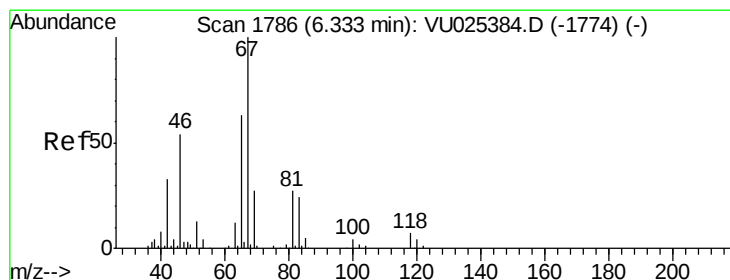
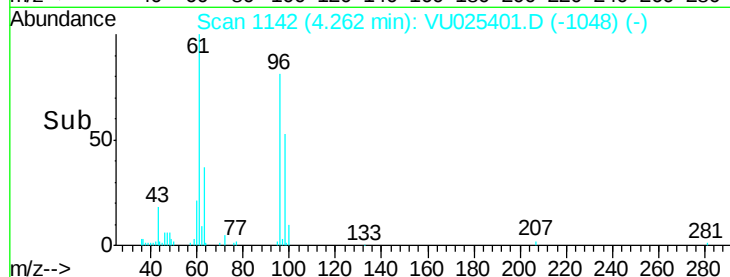
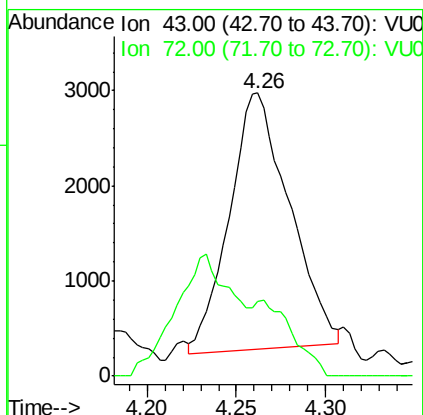
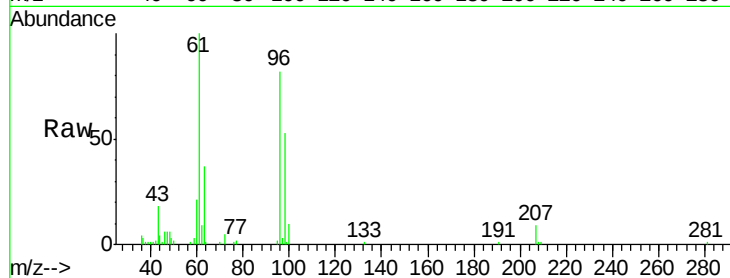




#22
 2-Butanone
 Concen: 3.216 ug/L
 RT: 4.26 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU025401.D
 Acq: 13 Jul 2018 20:44

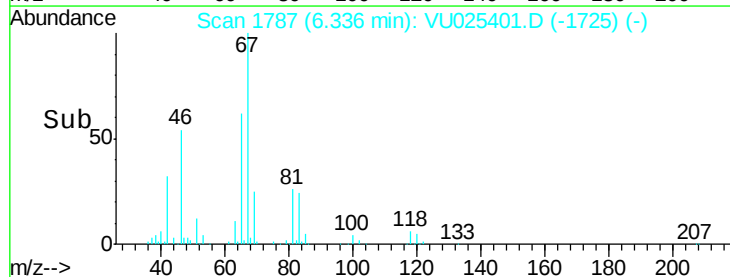
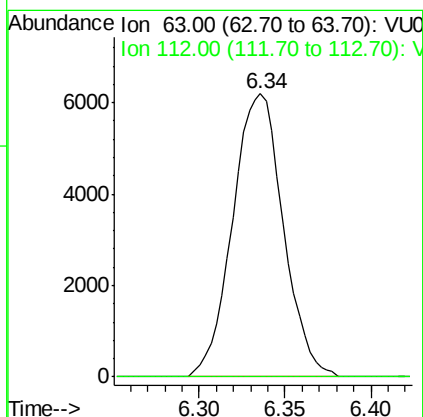
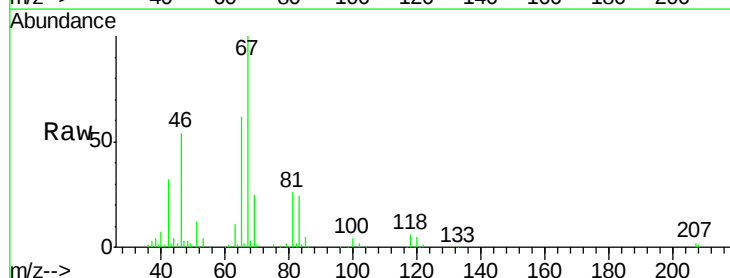
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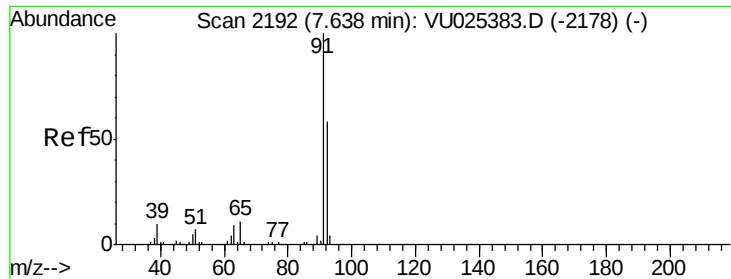
Tgt Ion: 43 Resp: 6346
 Ion Ratio Lower Upper
 43 100
 72 0.0 13.7 41.0#



#37
 1,2-Dichloropropane
 Concen: 5.254 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU025401.D
 Acq: 13 Jul 2018 20:44

Tgt Ion: 63 Resp: 12653
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#





#42

Toluene

Concen: 1.508 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025401.D

Acq: 13 Jul 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

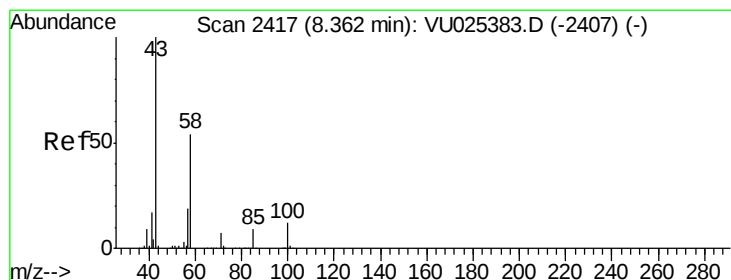
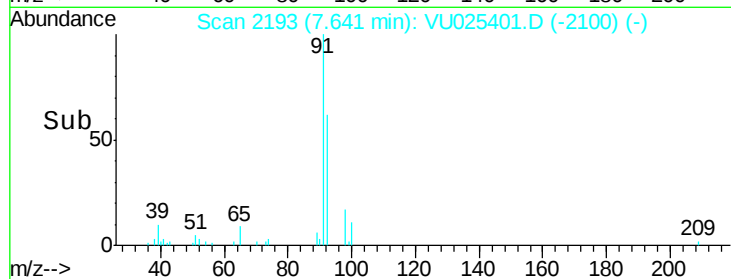
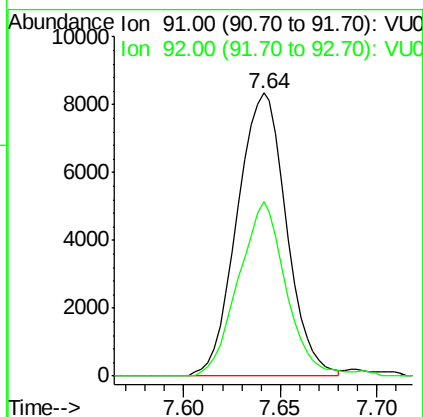
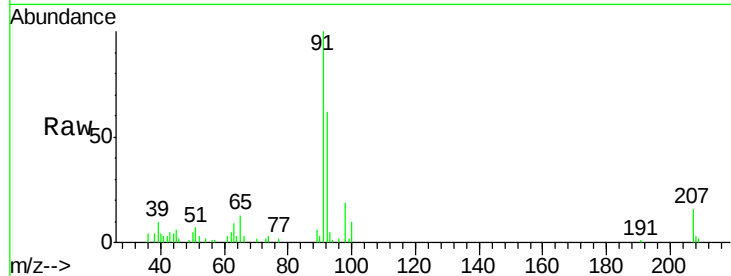
DB182

Tgt Ion: 91 Resp: 14779

Ion Ratio Lower Upper

91 100

92 61.6 40.7 75.5



#48

2-Hexanone

Concen: 4.932 ug/L

RT: 8.31 min Scan# 2401

Delta R.T. -0.05 min

Lab File: VU025401.D

Acq: 13 Jul 2018 20:44

Tgt Ion: 43 Resp: 13613

Ion Ratio Lower Upper

43 100

58 26.0 43.2 64.8#

57 23.2 15.8 23.8

100 0.0 9.4 14.0#

