

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071318\
 Data File : VU025400.D
 Acq On : 13 Jul 2018 20:20
 Operator : MD/SY
 Sample : J3984-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB181

Quant Time: Jul 14 04:30:43 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	300055	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	288943	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	136257	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82319	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.78%
7) Chloroethane-d5	1.68	69	66473	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.86%
11) 1,1-Dichloroethene-d2	2.27	63	118059	30.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.34%
21) 2-Butanone-d5	4.17	46	151231	100.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.87%
24) Chloroform-d	4.65	84	172089	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
26) 1,2-Dichloroethane-d4	5.31	65	125695	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
32) Benzene-d6	5.34	84	339829	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.74%
36) 1,2-Dichloropropane-d6	6.33	67	108829	43.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.20%
41) Toluene-d8	7.57	98	329407	42.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.94%
43) trans-1,3-Dichloropropene-	7.85	79	46568	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.56%
47) 2-Hexanone-d5	8.31	63	114144	99.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.04%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	158888	44.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	135214	45.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.08%

Target Compounds

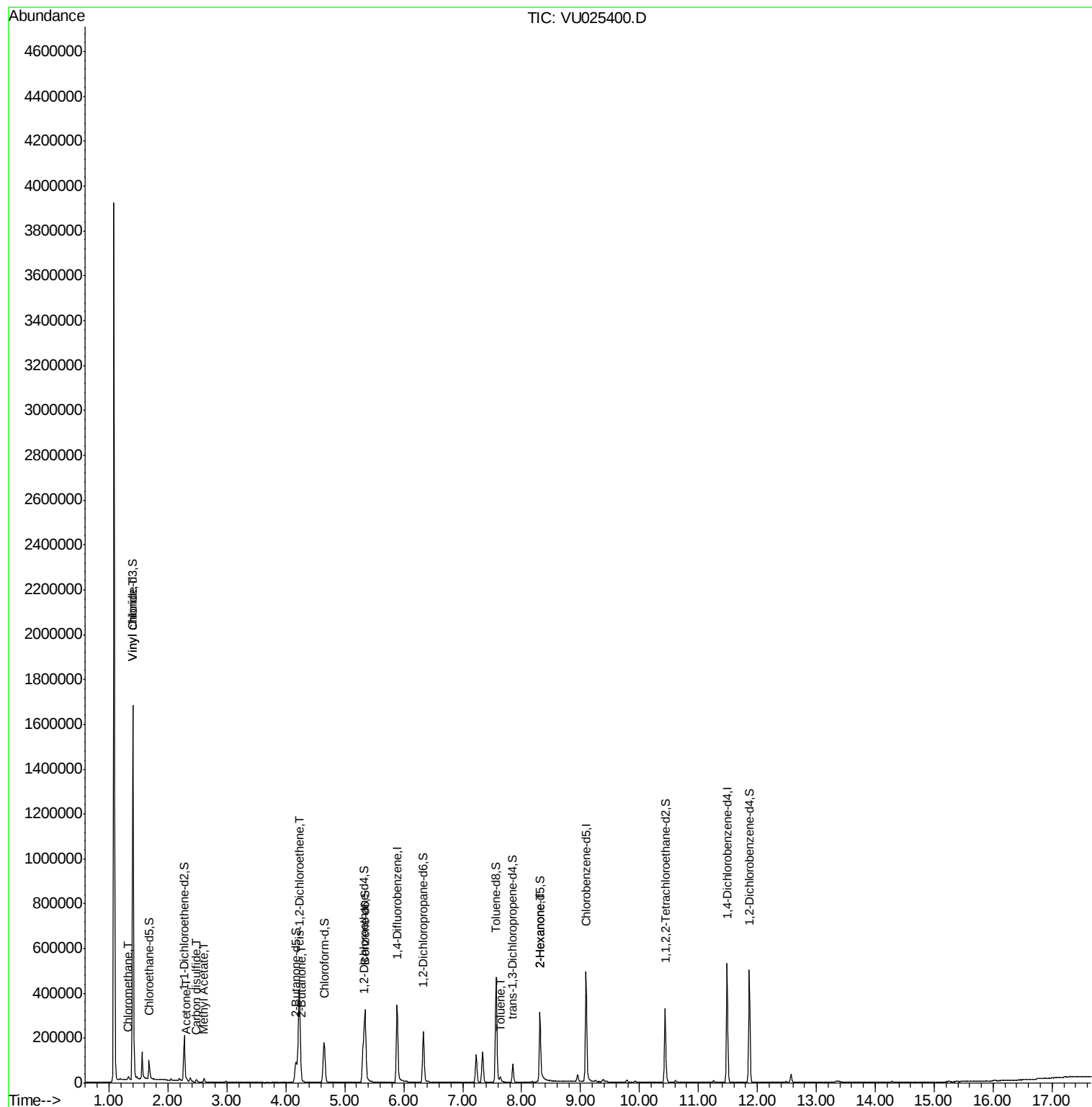
					Qvalue
3) Chloromethane	1.33	50	8584	3.817	ug/L 98
5) Vinyl chloride	1.40	62	1087847	467.468	ug/L 99
13) Acetone	2.32	43	10491	6.808	ug/L 99
14) Carbon disulfide	2.48	76	16046	2.887	ug/L 98
15) Methyl Acetate	2.61	43	16077	6.819	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	227674	98.929	ug/L 99
22) 2-Butanone	4.27	43	6771	3.714	ug/L 84
42) Toluene	7.64	91	15119	1.588	ug/L 100
48) 2-Hexanone	8.31	43	13089	4.880	ug/L # 70

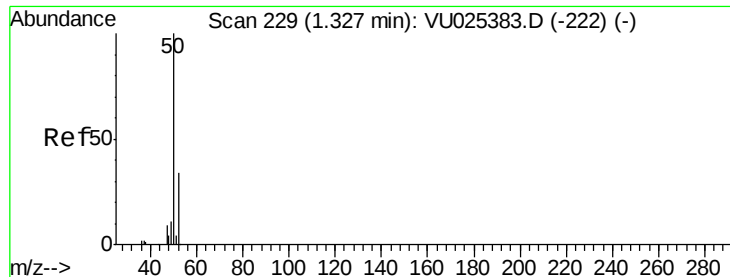
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.817 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025400.D

Acq: 13 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

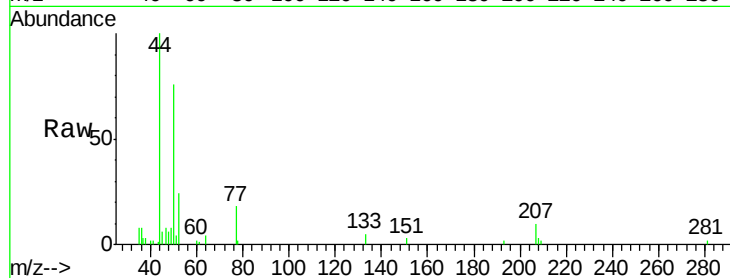
DB181

Tgt Ion: 50 Resp: 8584

Ion Ratio Lower Upper

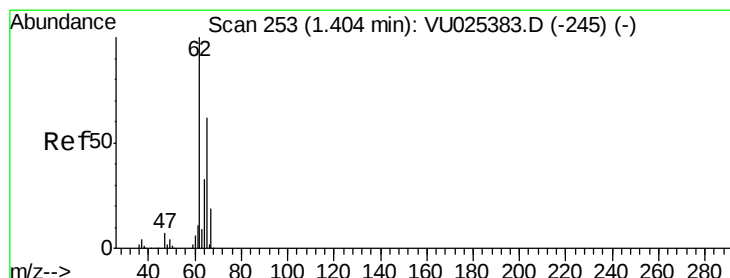
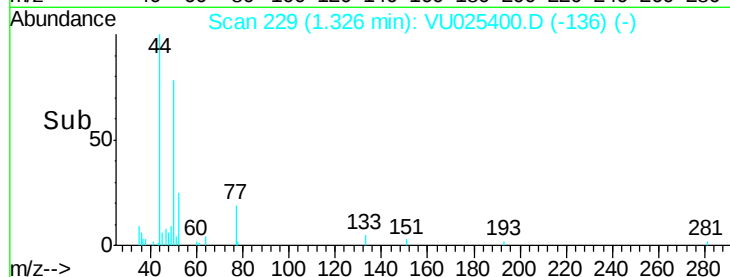
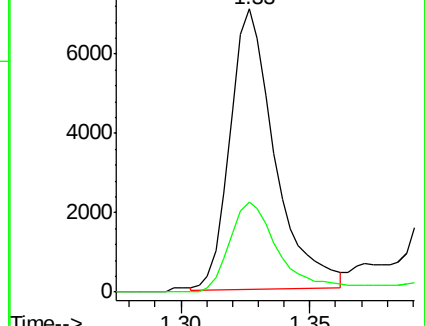
50 100

52 32.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU025383.D (-222) (-)

Ion 52.00 (51.70 to 52.70): VU025383.D (-222) (-)



#5

Vinyl chloride

Concen: 467.468 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025400.D

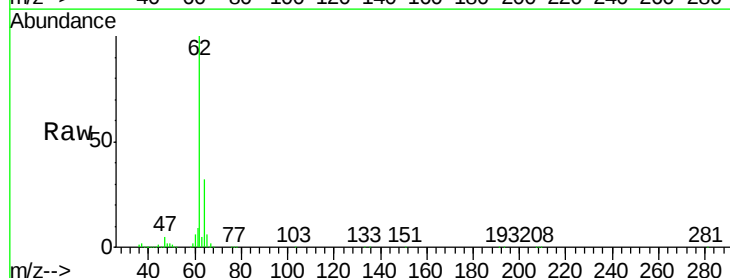
Acq: 13 Jul 2018 20:20

Tgt Ion: 62 Resp: 1087847

Ion Ratio Lower Upper

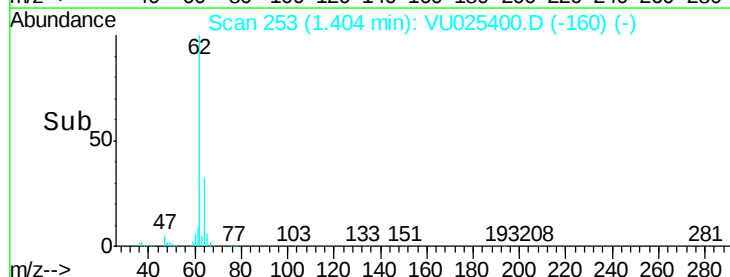
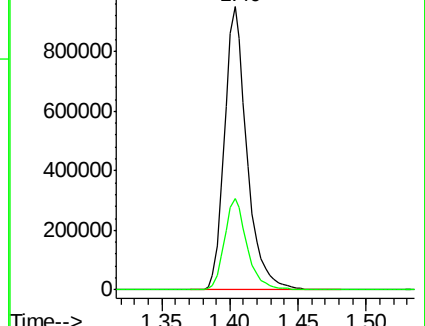
62 100

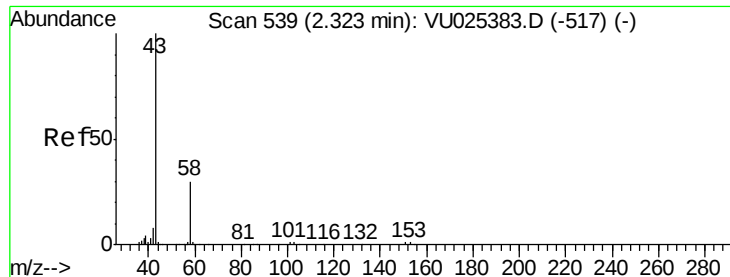
64 32.3 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU025383.D (-245) (-)

Ion 64.00 (63.70 to 64.70): VU025383.D (-245) (-)





#13

Acetone

Concen: 6.808 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025400.D

Acq: 13 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

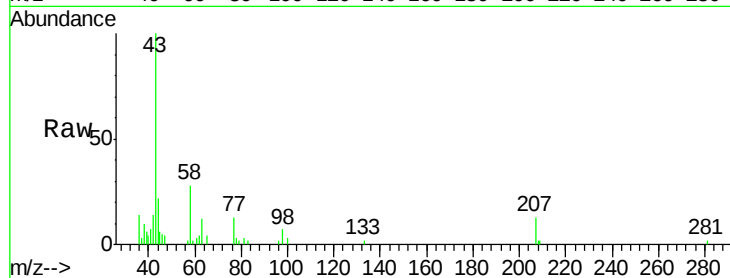
DB181

Tgt Ion: 43 Resp: 10491

Ion Ratio Lower Upper

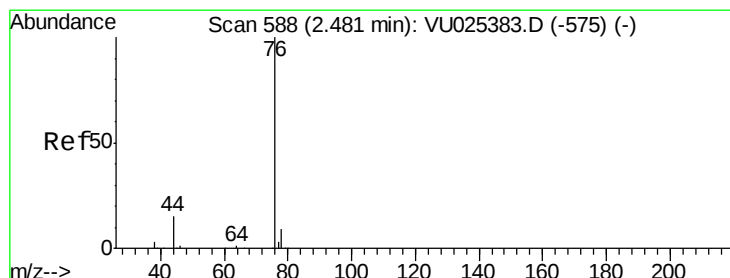
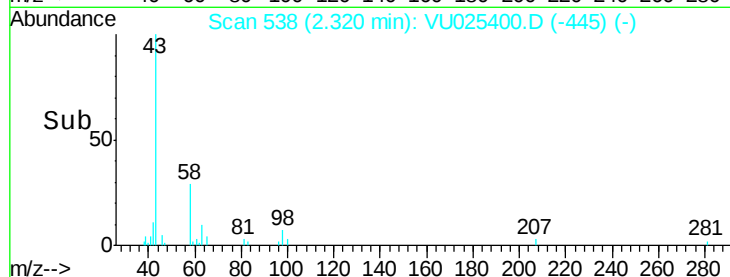
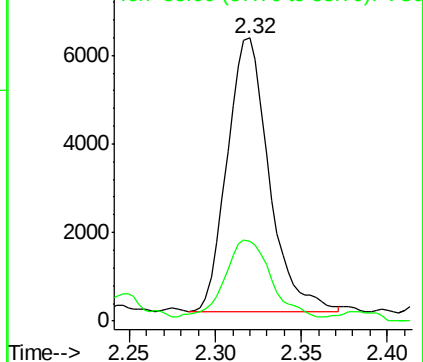
43 100

58 30.0 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: 2.887 ug/L

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU025400.D

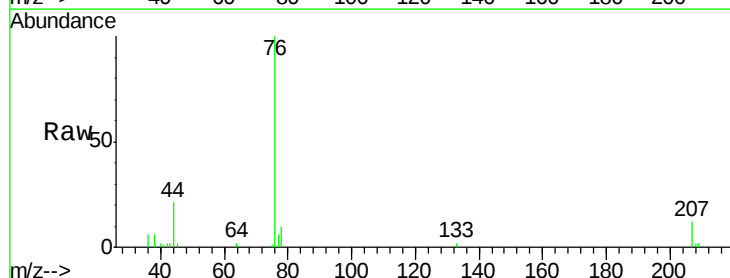
Acq: 13 Jul 2018 20:20

Tgt Ion: 76 Resp: 16046

Ion Ratio Lower Upper

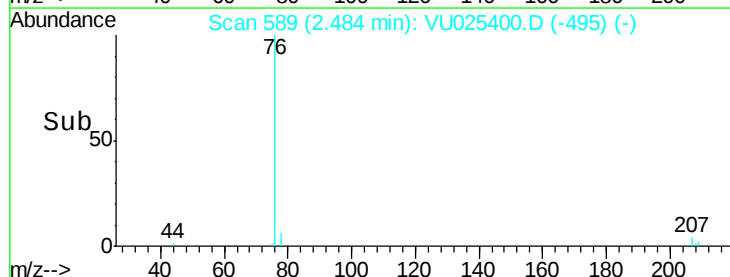
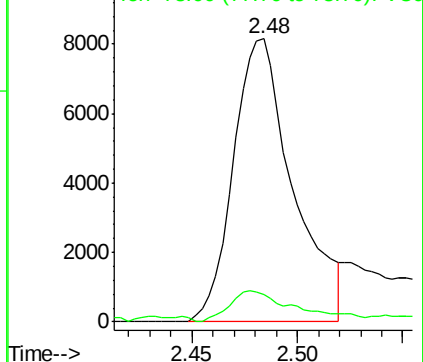
76 100

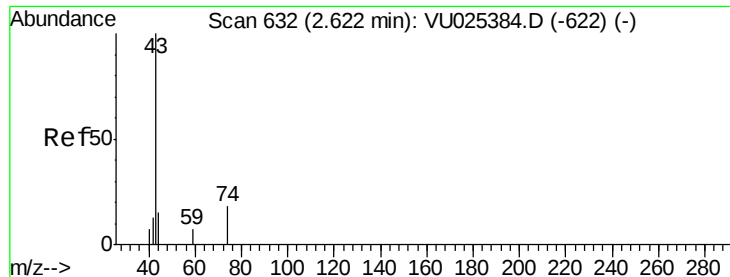
78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 6.819 ug/L

RT: 2.61 min Scan# 628

Delta R.T. -0.01 min

Lab File: VU025400.D

Acq: 13 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

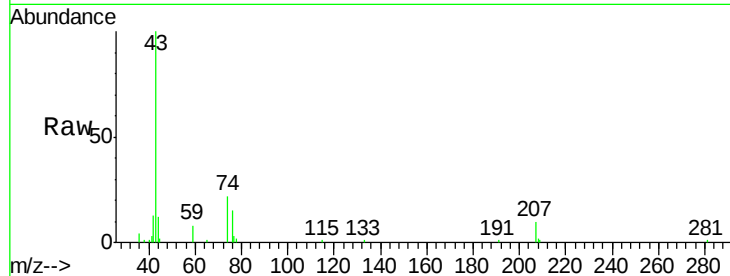
DB181

Tgt Ion: 43 Resp: 16077

Ion Ratio Lower Upper

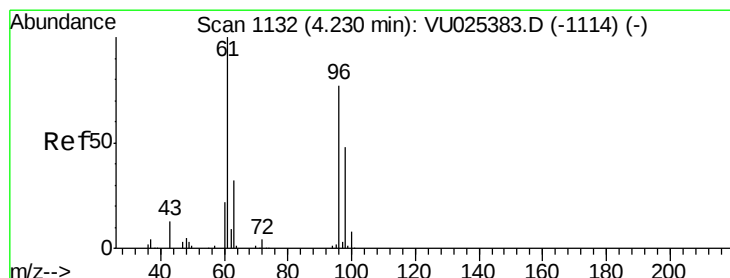
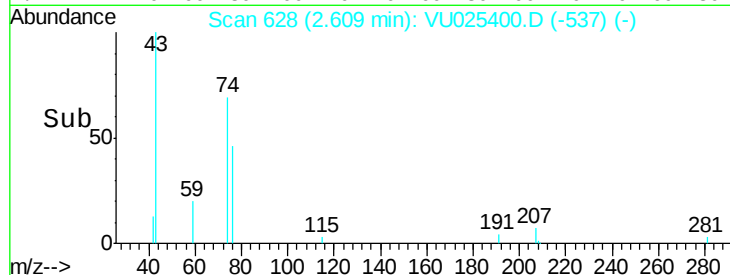
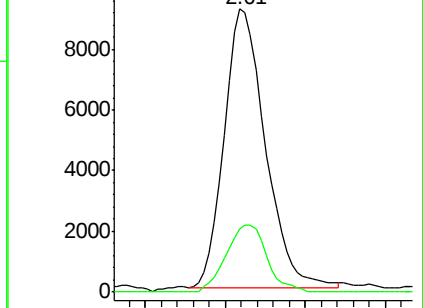
43 100

74 23.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 98.929 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU025400.D

Acq: 13 Jul 2018 20:20

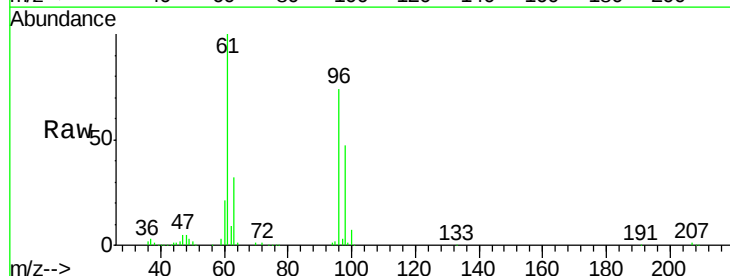
Tgt Ion: 96 Resp: 227674

Ion Ratio Lower Upper

96 100

61 135.1 93.4 173.6

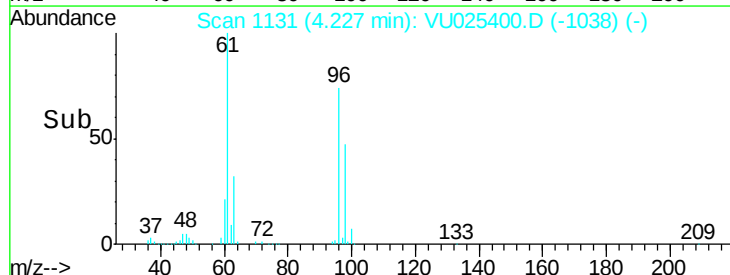
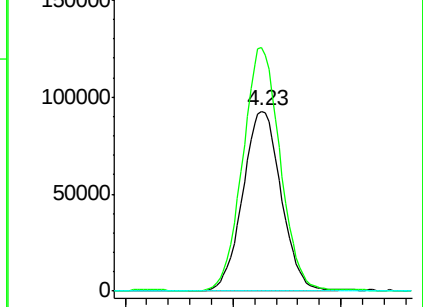
68 0.0 0.0 0.0

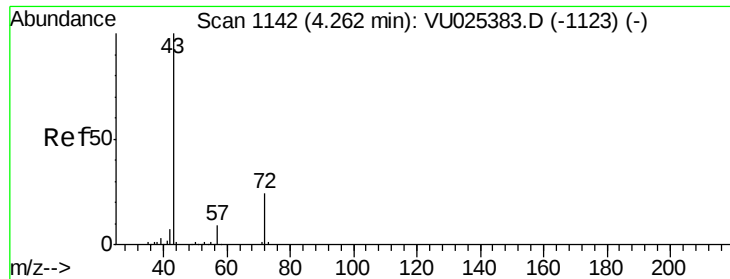


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 3.714 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU025400.D

Acq: 13 Jul 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

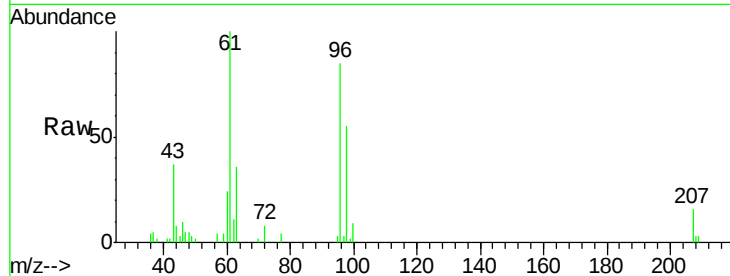
DB181

Tgt Ion: 43 Resp: 6771

Ion Ratio Lower Upper

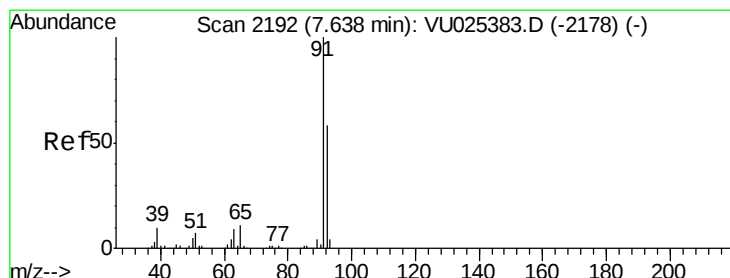
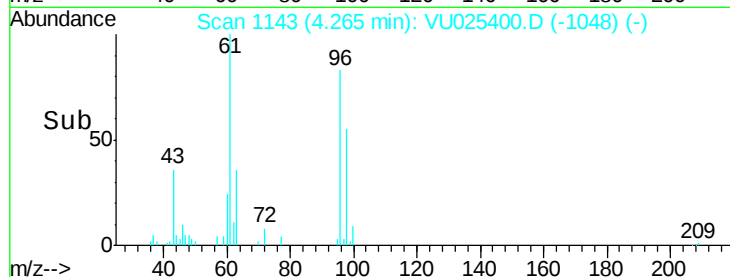
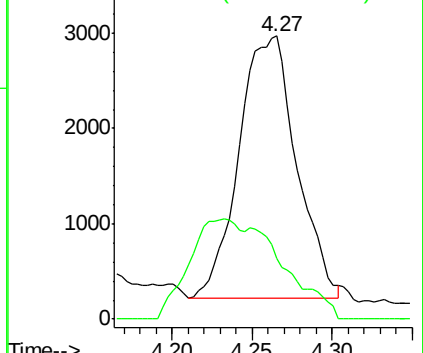
43 100

72 35.8 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#42

Toluene

Concen: 1.588 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025400.D

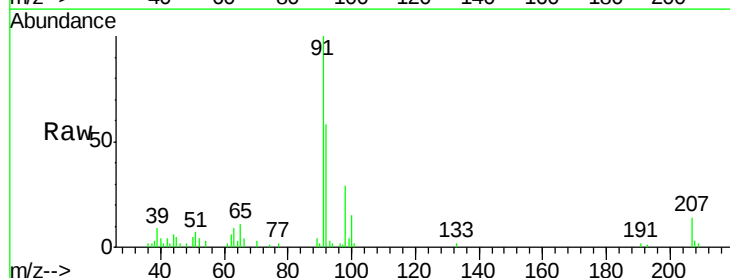
Acq: 13 Jul 2018 20:20

Tgt Ion: 91 Resp: 15119

Ion Ratio Lower Upper

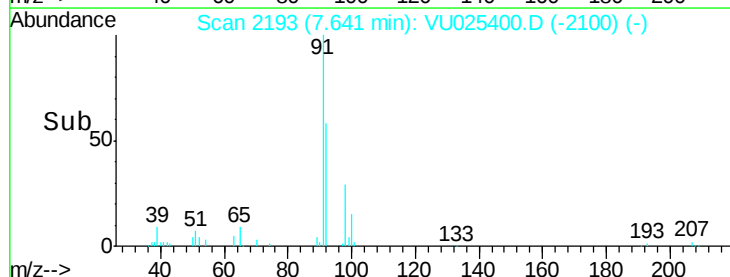
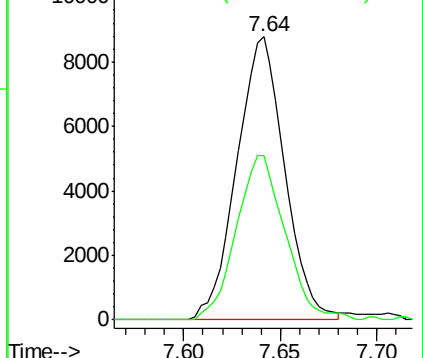
91 100

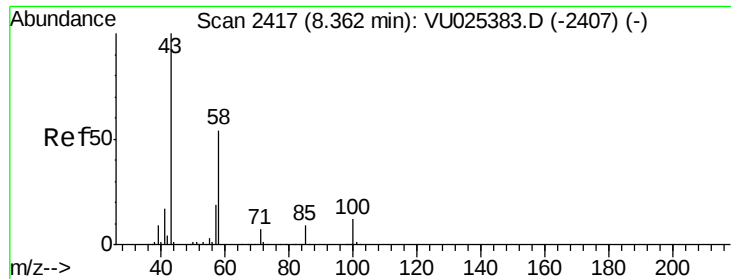
92 58.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#48

2-Hexanone

Concen: 4.880 ug/L

RT: 8.31 min Scan# 2401

Delta R.T. -0.05 min

Lab File: VU025400.D

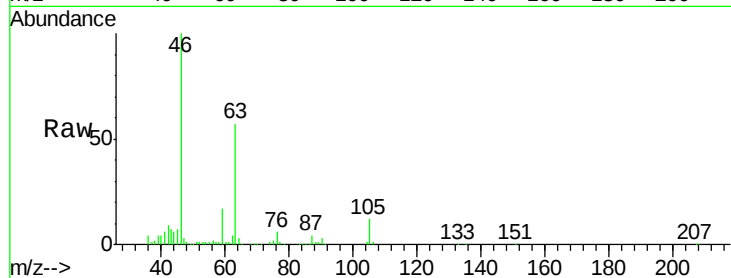
Acq: 13 Jul 2018 20:20

Instrument :

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ClientSampleId :

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Tgt Ion: 43 Resp: 13089

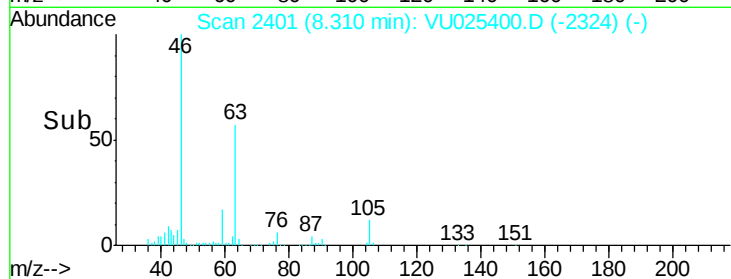
Ion Ratio Lower Upper

43 100

58 27.0 43.2 64.8#

57 22.9 15.8 23.8

100 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

