

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
 Data File : VU025438.D
 Acq On : 16 Jul 2018 20:57
 Operator : MD/SY
 Sample : J3984-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB175

Quant Time: Jul 17 03:57:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	333829	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303915	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	140729	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80314	44.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.48%
7) Chloroethane-d5	1.68	69	67138	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.10%
11) 1,1-Dichloroethene-d2	2.27	63	121835	31.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.82%
21) 2-Butanone-d5	4.18	46	188334	103.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.84%
24) Chloroform-d	4.65	84	190704	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.56%
26) 1,2-Dichloroethane-d4	5.31	65	137068	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
32) Benzene-d6	5.34	84	368193	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
36) 1,2-Dichloropropane-d6	6.33	67	122230	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.98%
41) Toluene-d8	7.57	98	346432	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	7.85	79	53402	42.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.22%
47) 2-Hexanone-d5	8.31	63	142641	108.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.26%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	179530	47.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	140291	47.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.42%

Target Compounds

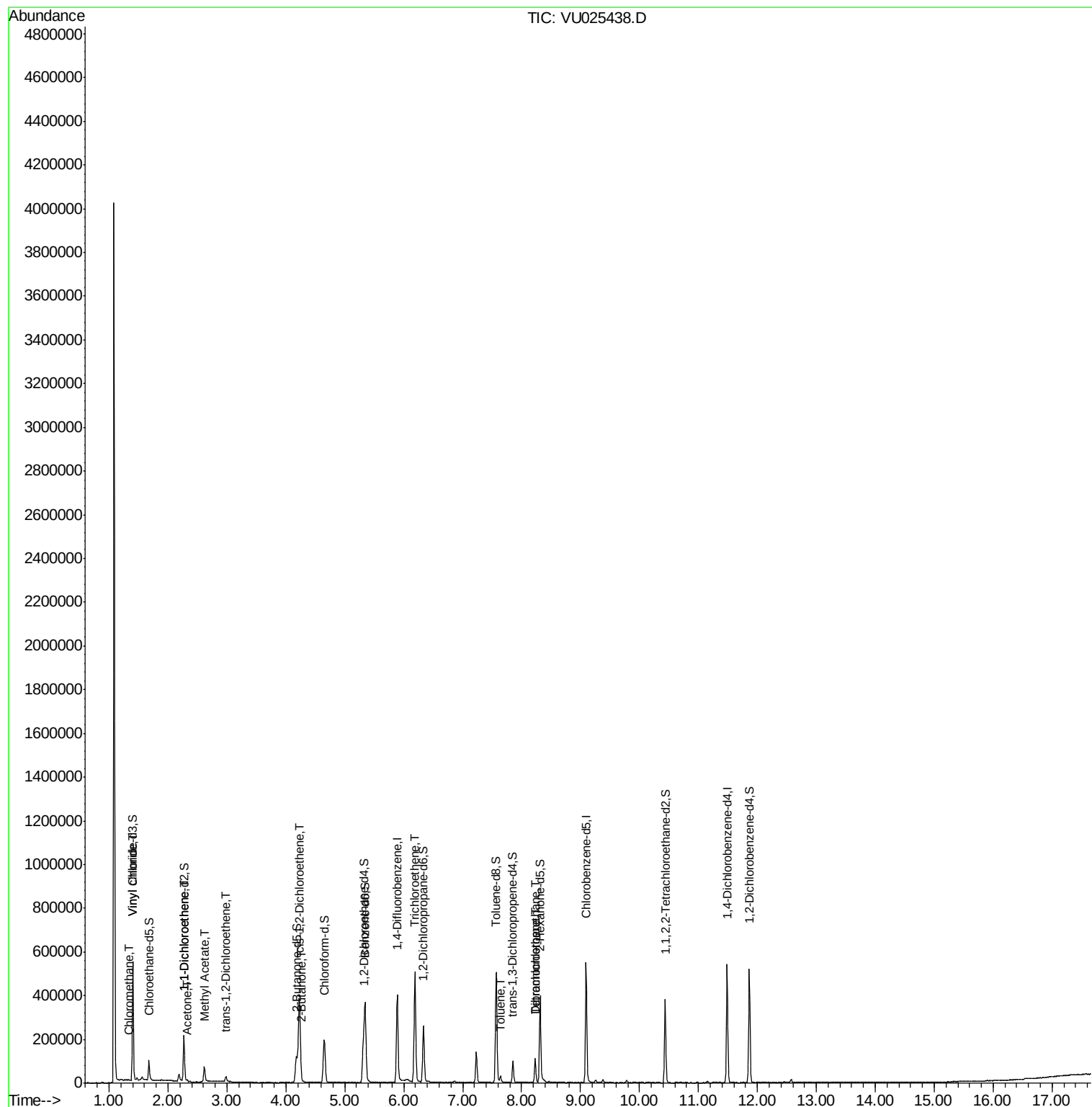
					Qvalue
3) Chloromethane	1.33	50	4301	1.376 ug/L	95
5) Vinyl chloride	1.40	62	293776	115.255 ug/L	99
12) 1,1-Dichloroethene	2.27	96	2443	1.247 ug/L #	1
13) Acetone	2.32	43	7802	4.086 ug/L	91
15) Methyl Acetate	2.62	43	78450	27.641 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	9440	4.325 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	215468	84.116 ug/L	97
22) 2-Butanone	4.27	43	3492	1.519 ug/L #	4
34) Trichloroethene	6.19	95	172550	72.889 ug/L	99
42) Toluene	7.64	91	17925	1.882 ug/L	97
46) Tetrachloroethene	8.23	164	25355	12.924 ug/L	93
49) Dibromochloromethane	8.23	129	22871	9.098 ug/L #	11

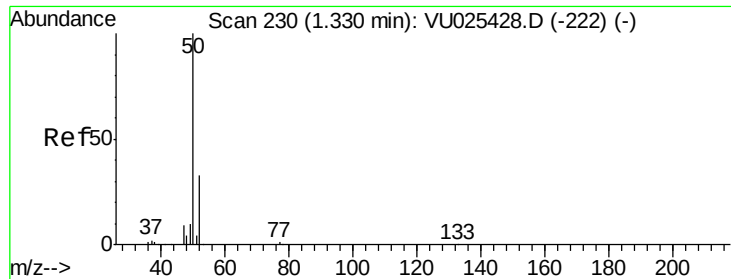
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.376 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025438.D

Acq: 16 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

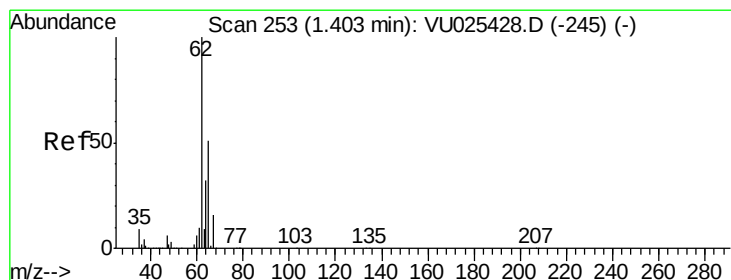
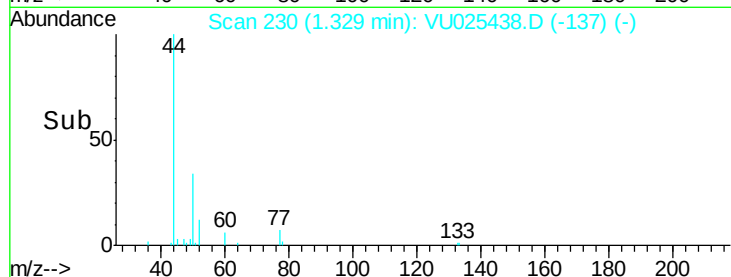
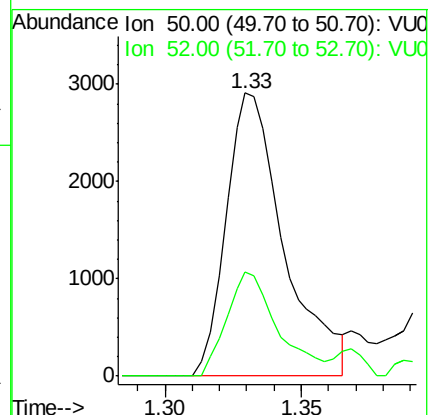
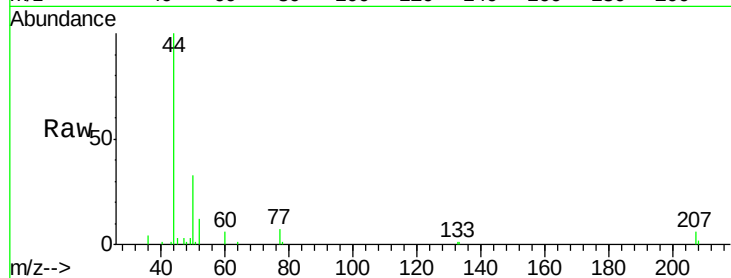
DB175

Tgt Ion: 50 Resp: 4301

Ion Ratio Lower Upper

50 100

52 36.7 23.5 43.7



#5

Vinyl chloride

Concen: 115.255 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025438.D

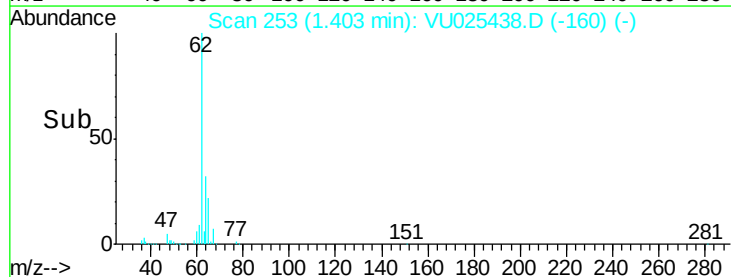
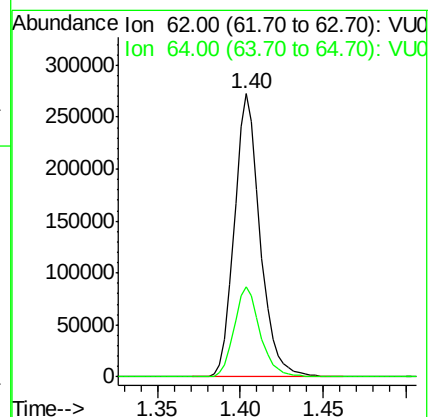
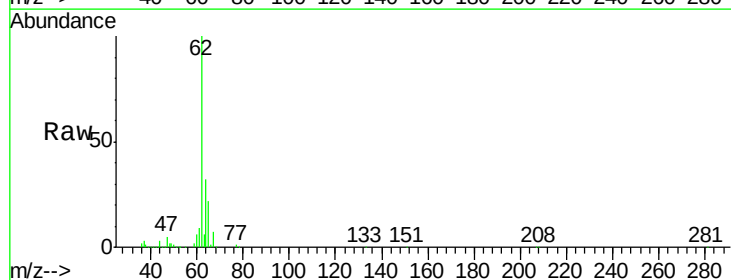
Acq: 16 Jul 2018 20:57

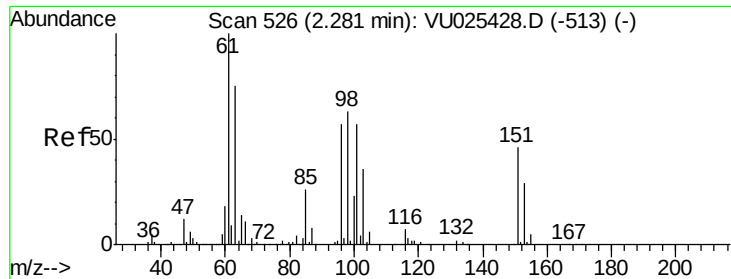
Tgt Ion: 62 Resp: 293776

Ion Ratio Lower Upper

62 100

64 32.0 22.6 42.0





#12

1,1-Dichloroethene

Concen: 1.247 ug/L

RT: 2.27 min Scan# 524

Delta R.T. -0.01 min

Lab File: VU025438.D

Acq: 16 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

DB175

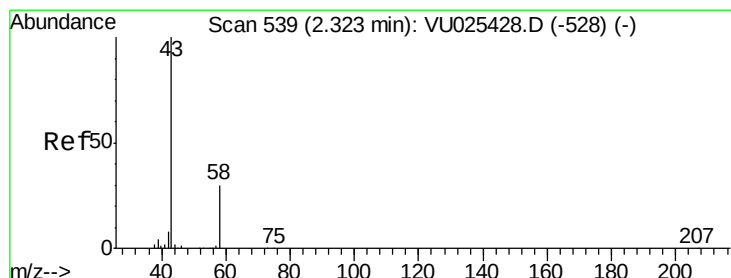
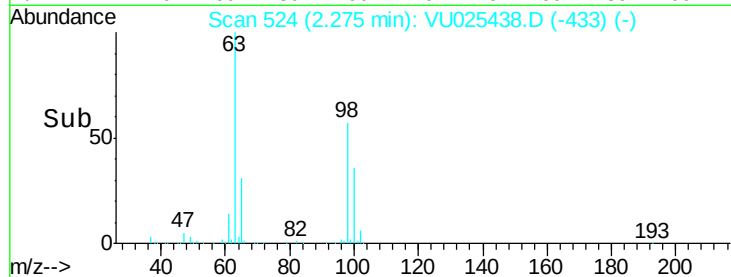
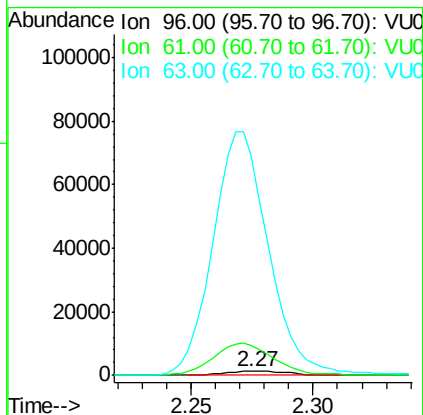
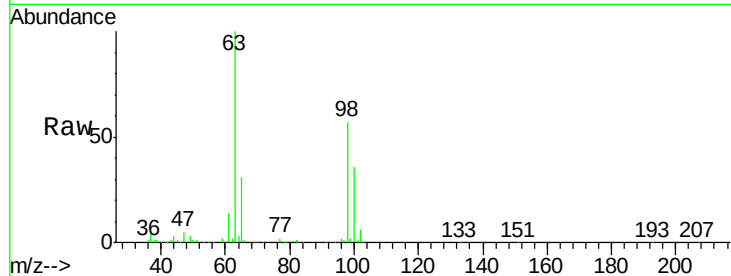
Tgt Ion: 96 Resp: 2443

Ion Ratio Lower Upper

96 100

61 731.1 125.9 233.9#

63 5275.1 90.4 167.8#



#13

Acetone

Concen: 4.086 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025438.D

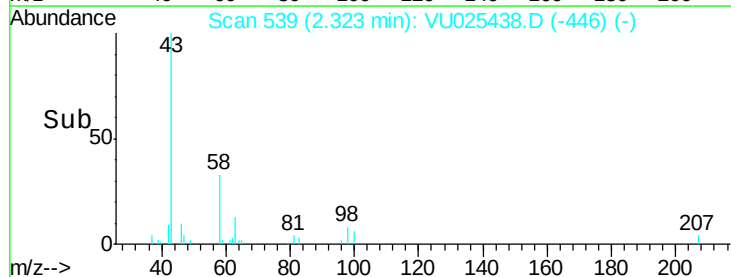
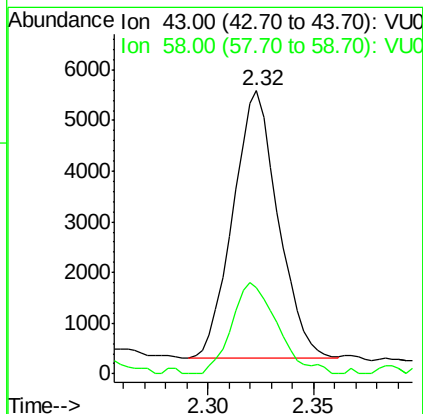
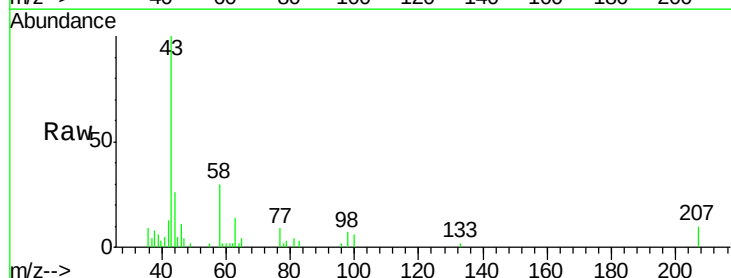
Acq: 16 Jul 2018 20:57

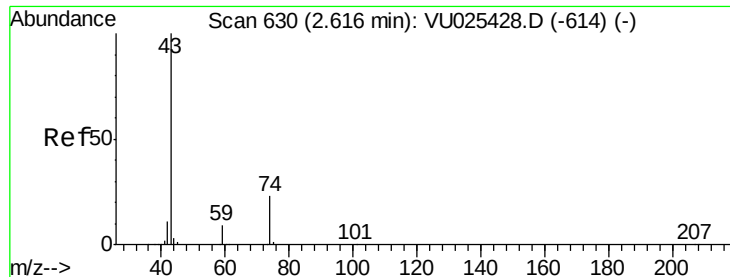
Tgt Ion: 43 Resp: 7802

Ion Ratio Lower Upper

43 100

58 33.9 0.0 58.4

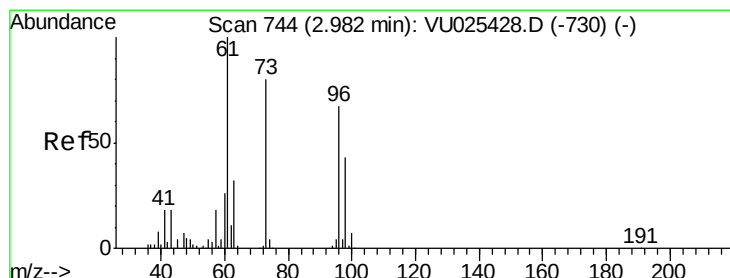
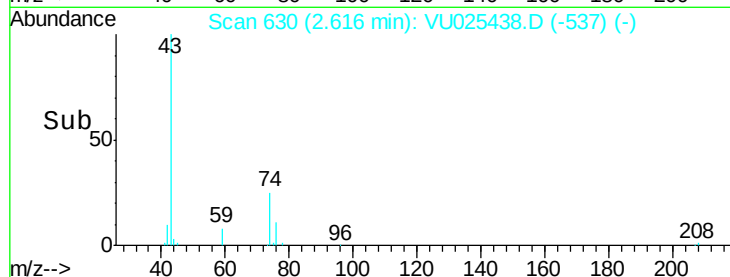
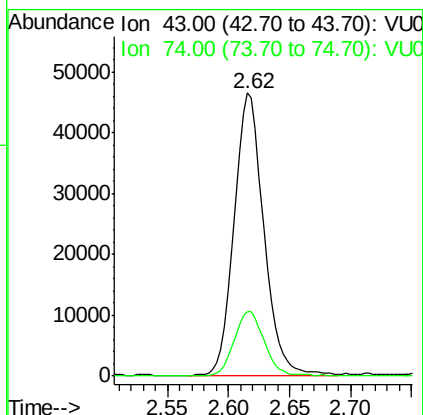
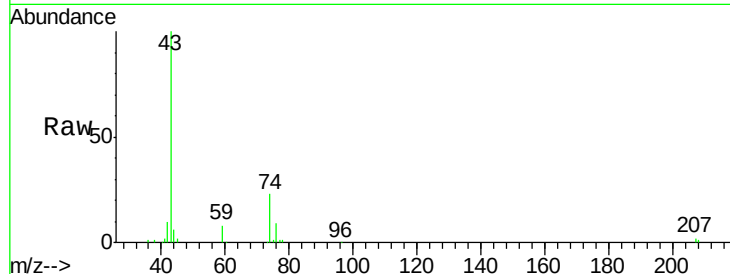




#15
Methyl Acetate
Concen: 27.641 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025438.D
Acq: 16 Jul 2018 20:57

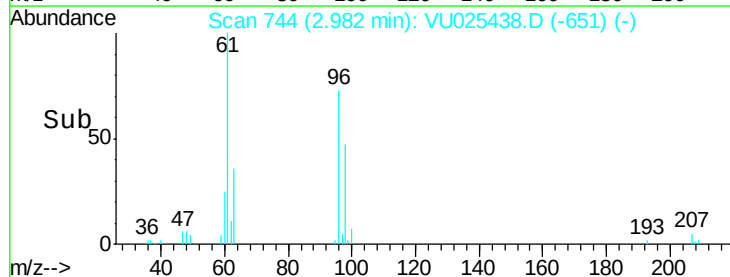
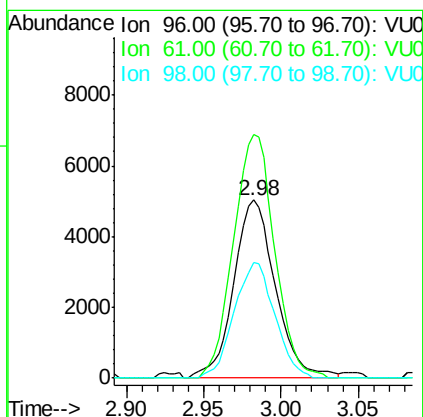
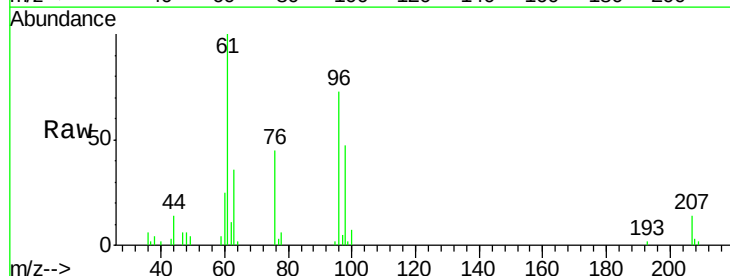
Instrument :
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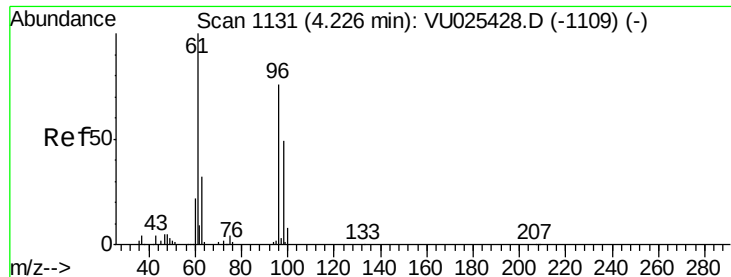
Tgt Ion: 43 Resp: 78450
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2



#17
trans-1,2-Dichloroethene
Concen: 4.325 ug/L
RT: 2.98 min Scan# 744
Delta R.T. -0.00 min
Lab File: VU025438.D
Acq: 16 Jul 2018 20:57

Tgt Ion: 96 Resp: 9440
Ion Ratio Lower Upper
96 100
61 136.7 98.2 182.4
98 64.6 44.4 82.5

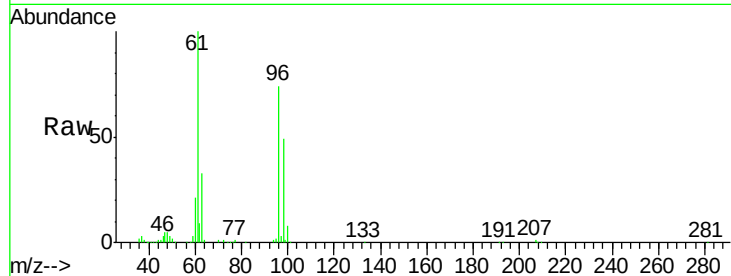




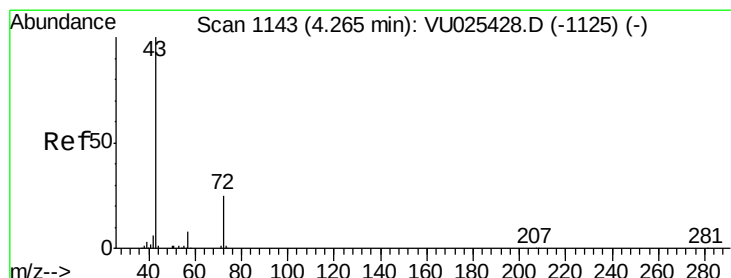
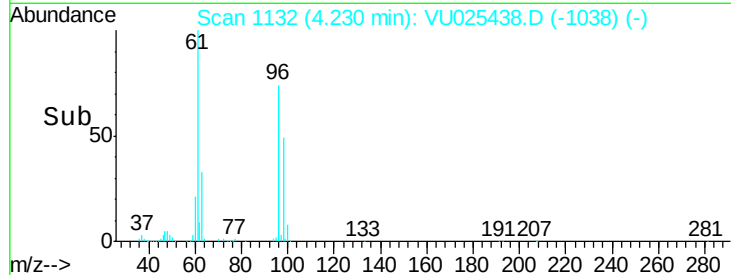
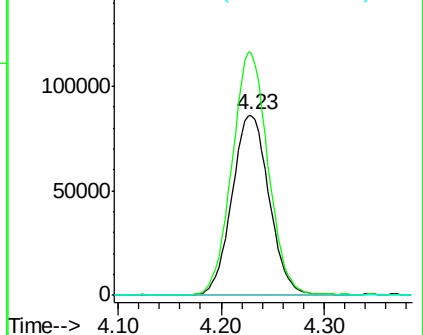
#20
 cis-1,2-Dichloroethene
 Concen: 84.116 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025438.D
 Acq: 16 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 DB175

Tgt Ion: 96 Resp: 215468
 Ion Ratio Lower Upper
 96 100
 61 134.7 92.0 170.9
 68 0.0 0.0 0.0

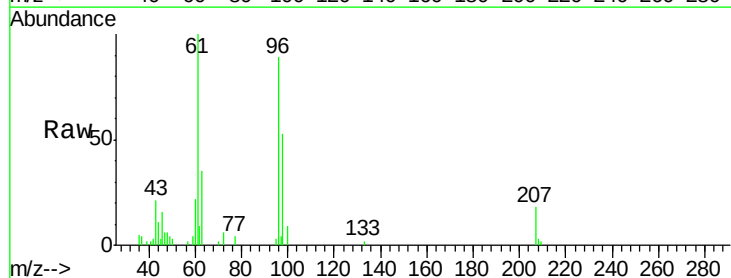


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

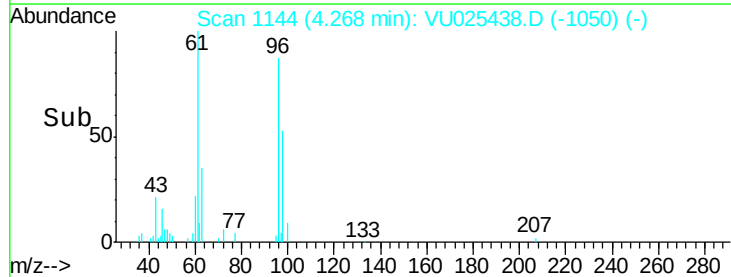
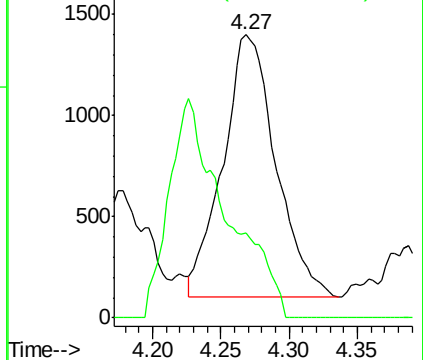


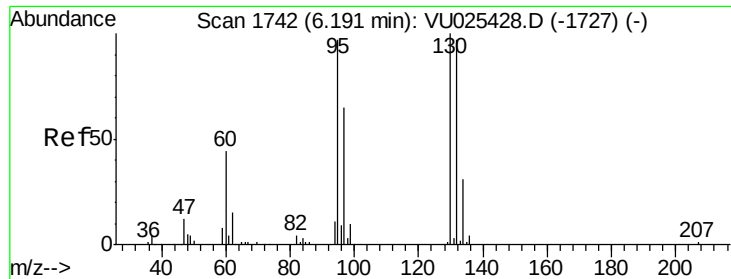
#22
 2-Butanone
 Concen: 1.519 ug/L
 RT: 4.27 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VU025438.D
 Acq: 16 Jul 2018 20:57

Tgt Ion: 43 Resp: 3492
 Ion Ratio Lower Upper
 43 100
 72 75.8 13.3 39.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#34

Trichloroethene

Concen: 72.889 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025438.D

Acq: 16 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

DB175

Tgt Ion: 95 Resp: 172550

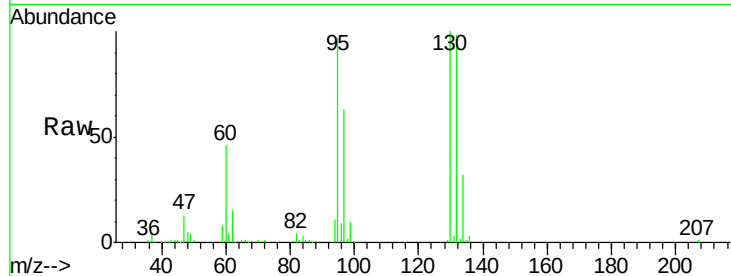
Ion Ratio Lower Upper

95 100

97 64.9 44.3 82.3

132 101.6 69.6 129.2

130 103.6 72.4 134.5

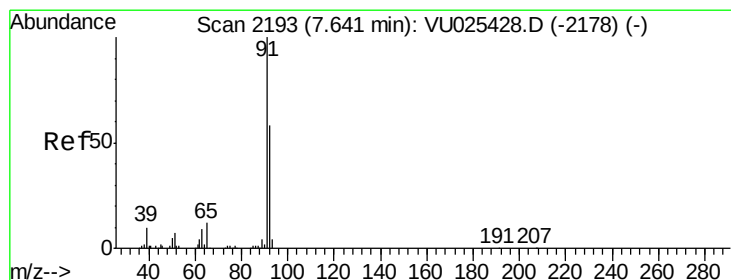
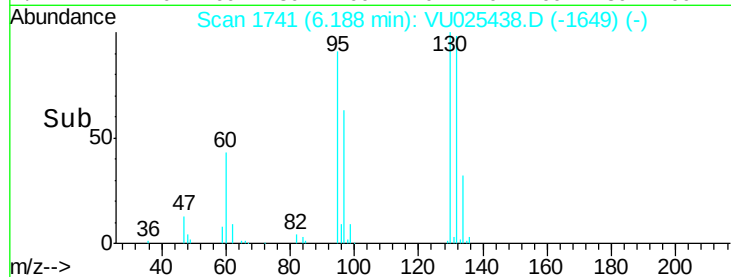
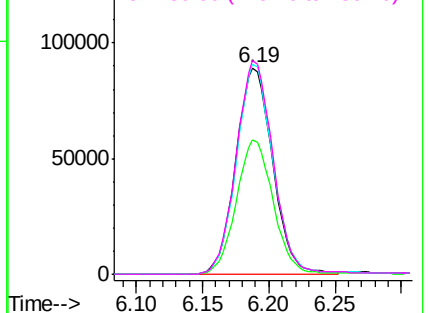


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 1.882 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025438.D

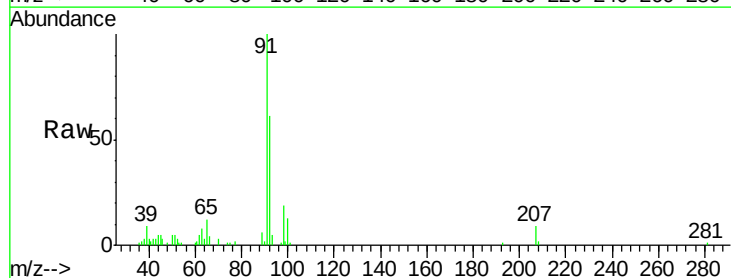
Acq: 16 Jul 2018 20:57

Tgt Ion: 91 Resp: 17925

Ion Ratio Lower Upper

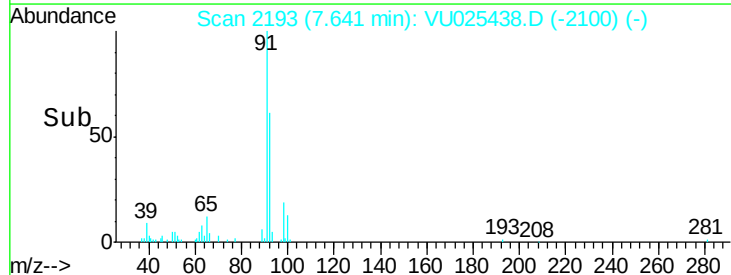
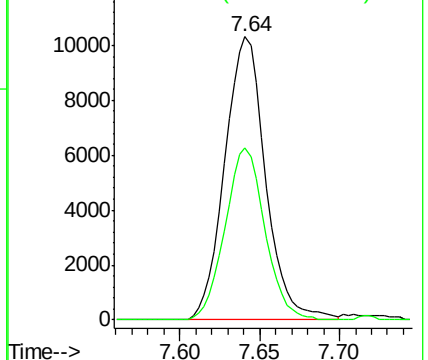
91 100

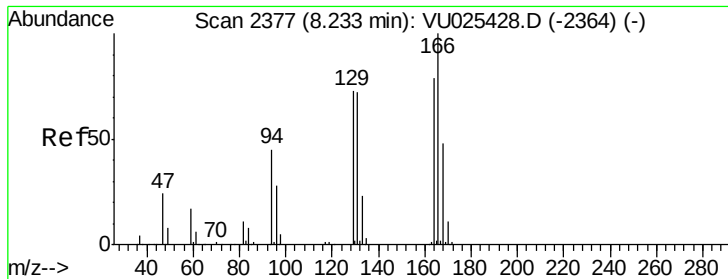
92 60.6 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

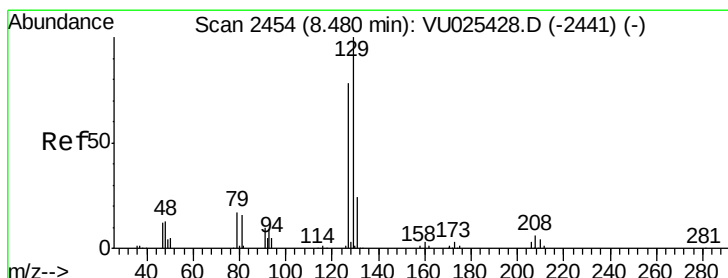
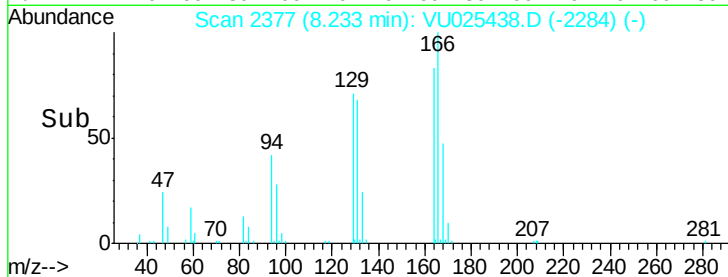
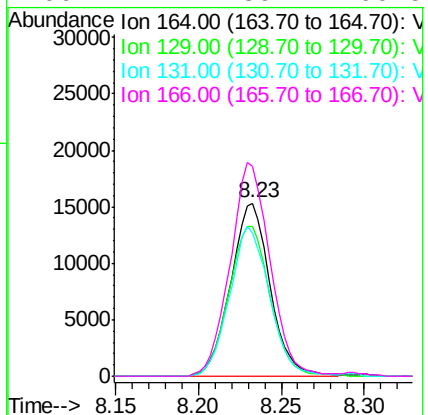
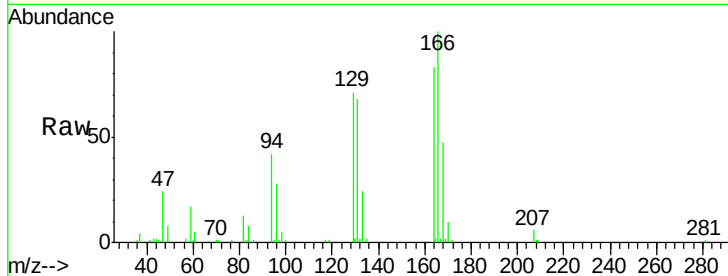




#46
Tetrachloroethene
Concen: 12.924 ug/L
RT: 8.23 min Scan# 2377
Delta R.T. -0.00 min
Lab File: VU025438.D
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Tgt Ion:164 Resp: 25355
Ion Ratio Lower Upper
164 100
129 86.6 64.7 120.1
131 82.6 63.1 117.3
166 121.1 89.7 166.5



#49
Dibromochloromethane
Concen: 9.098 ug/L
RT: 8.23 min Scan# 2377
Delta R.T. -0.25 min
Lab File: VU025438.D
Acq: 16 Jul 2018 20:57

Tgt Ion:129 Resp: 22871
Ion Ratio Lower Upper
129 100
127 0.0 54.4 101.0#

