

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025447.D
 Acq On : 17 Jul 2018 00:37
 Operator : MD/SY
 Sample : J3984-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB189

Quant Time: Jul 17 09:17:14 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	329114	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	314784	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161501	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79690	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.06%
7) Chloroethane-d5	1.68	69	65200	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.74%
11) 1,1-Dichloroethene-d2	2.27	63	140634	36.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.54%
21) 2-Butanone-d5	4.20	46	184414	103.13	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.13%
24) Chloroform-d	4.65	84	150273	35.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.58%
26) 1,2-Dichloroethane-d4	5.31	65	130788	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
32) Benzene-d6	5.35	84	358902	45.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.76%
36) 1,2-Dichloropropane-d6	6.33	67	117973	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.22%
41) Toluene-d8	7.57	98	342657	44.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.18%
43) trans-1,3-Dichloropropene-	7.85	79	48242	37.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.34%
47) 2-Hexanone-d5	8.31	63	133642	97.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.93%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	178449	45.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	148523	44.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.02%

Target Compounds

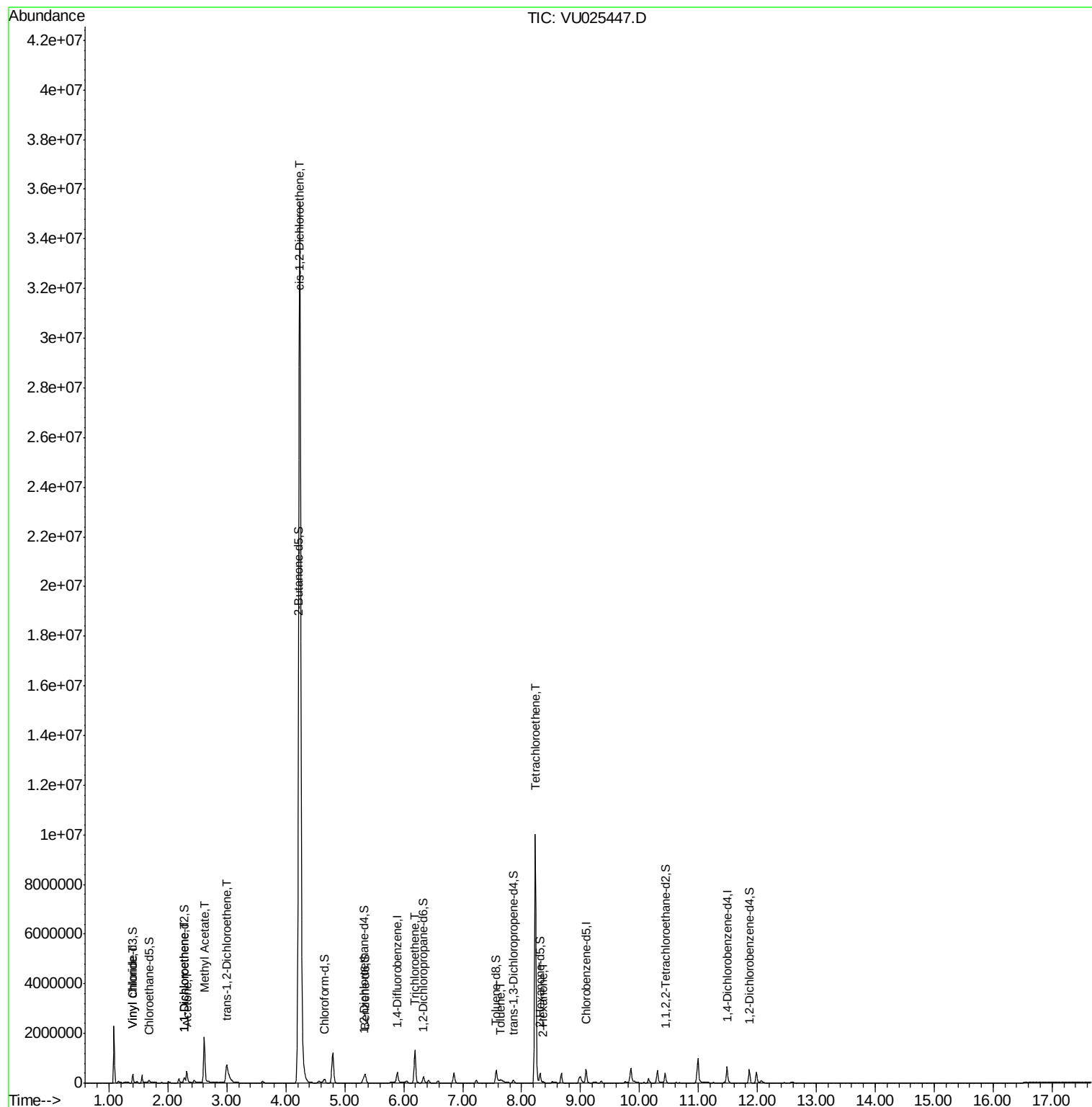
						Ovalue
5) Vinyl chloride	1.40	62	173129	68.90	ug/L	99
12) 1,1-Dichloroethene	2.28	96	23540	12.19	ug/L #	12
13) Acetone	2.32	43	489871	260.25	ug/L	99
15) Methyl Acetate	2.62	43	2055261	734.51	ug/L	99
17) trans-1,2-Dichloroethene	3.00	96	538139	250.06	ug/L	99
20) cis-1,2-Dichloroethene	4.24	96	22573210	8938.56	ug/L #	73
34) Trichloroethene	6.19	95	452970	184.74	ug/L	100
42) Toluene	7.64	91	13580	1.38	ug/L	89
46) Tetrachloroethene	8.23	164	2305638	1134.64	ug/L	100
48) 2-Hexanone	8.36	43	21636	6.39	ug/L	95

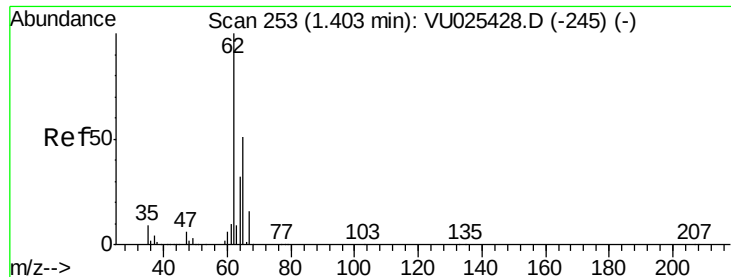
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 68.90 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025447.D

Acq: 17 Jul 2018 00:37

Instrument :

MSVOA_U

ClientSampleId :

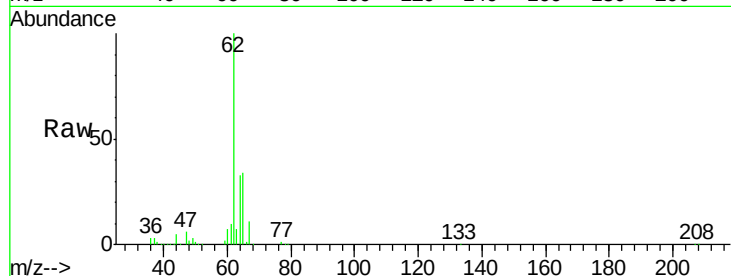
DB189

Tot Ion: 62 Resp: 173129

Ion Ratio Lower Upper

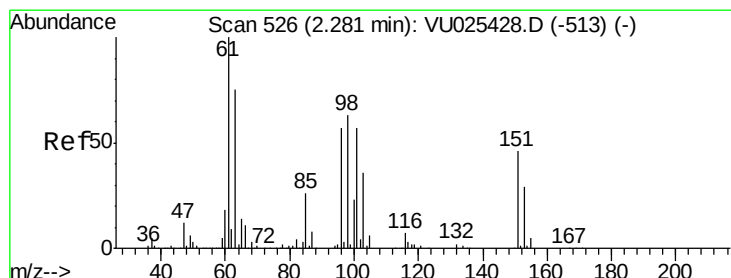
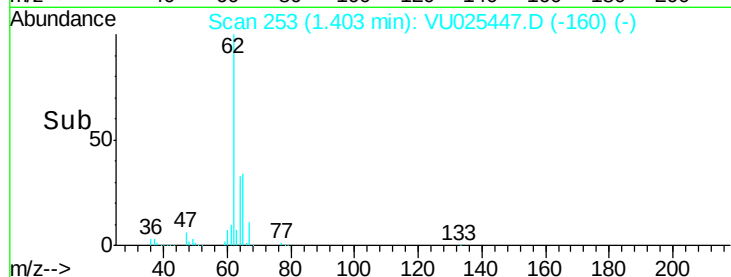
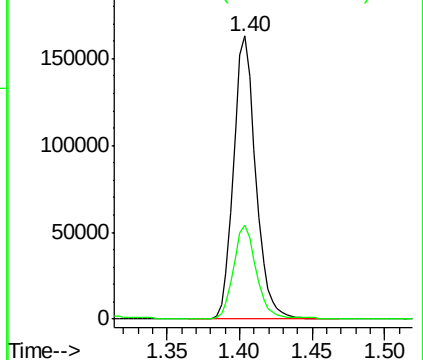
62 100

64 33.0 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 12.19 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025447.D

Acq: 17 Jul 2018 00:37

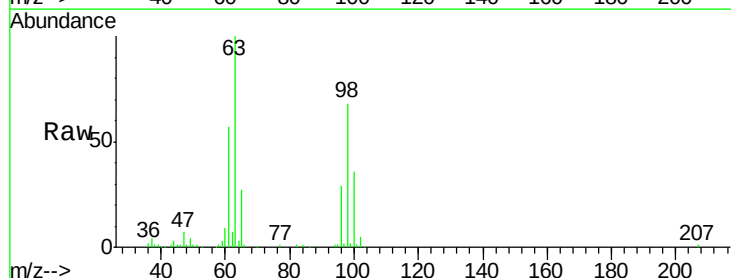
Tgt Ion: 96 Resp: 23540

Ion Ratio Lower Upper

96 100

61 200.1 125.9 233.9

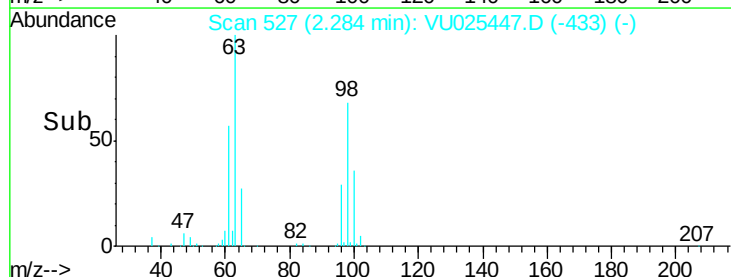
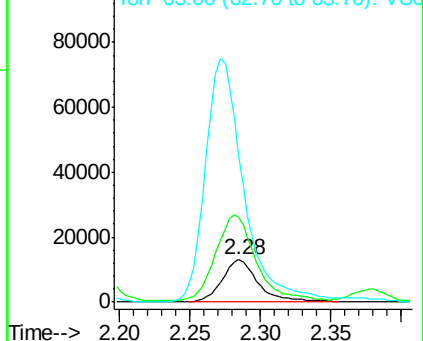
63 349.3 90.4 167.8#

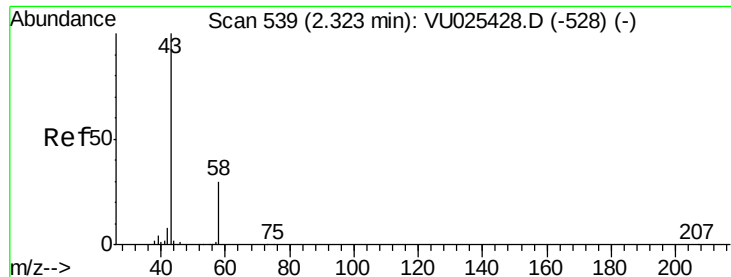


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 260.25 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025447.D

Acq: 17 Jul 2018 00:37

Instrument :

MSVOA_U

ClientSampleId :

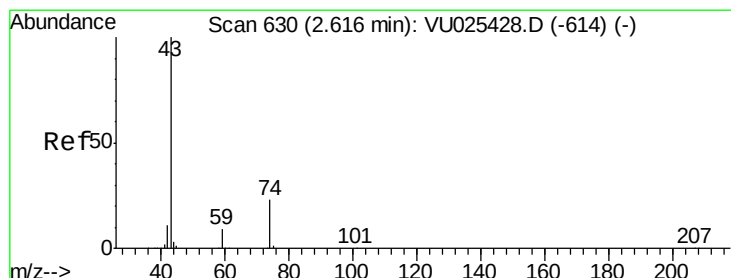
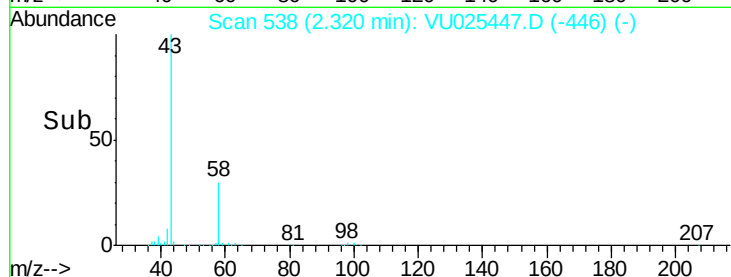
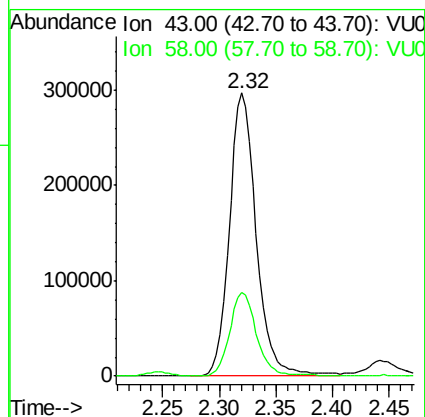
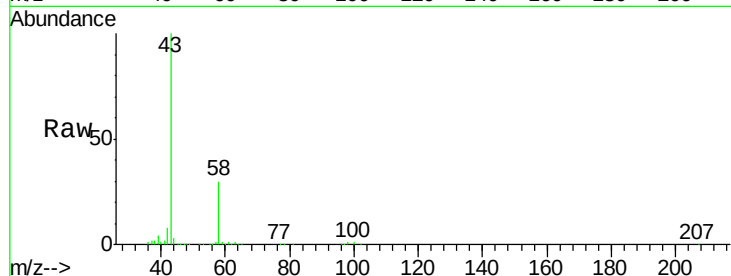
DB189

Tot Ion: 43 Resp: 489871

Ion Ratio Lower Upper

43 100

58 29.8 0.0 58.4



#15

Methyl Acetate

Concen: 734.51 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025447.D

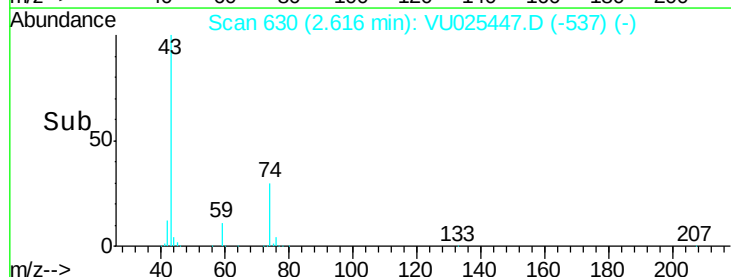
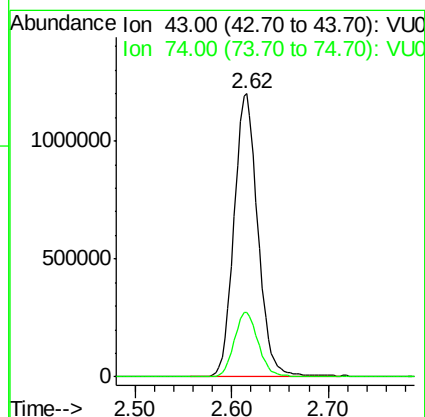
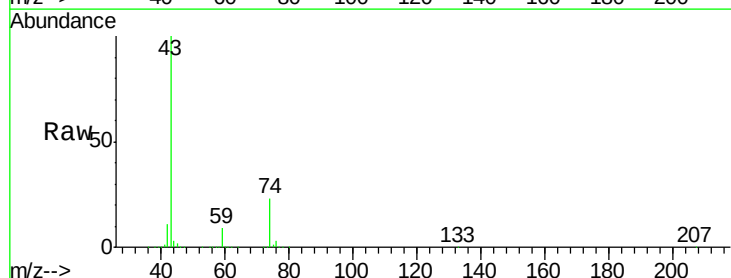
Acq: 17 Jul 2018 00:37

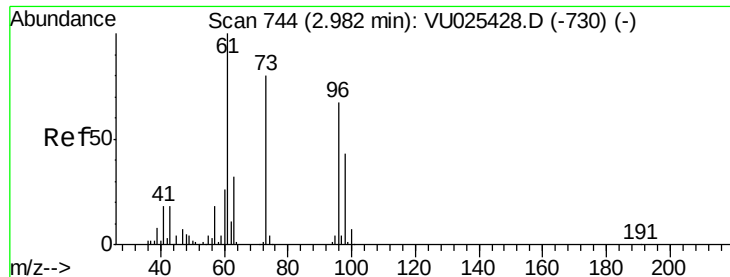
Tgt Ion: 43 Resp: 2055261

Ion Ratio Lower Upper

43 100

74 23.0 18.8 28.2





#17

trans-1,2-Dichloroethene

Concen: 250.06 ug/L

RT: 3.00 min Scan# 749

Delta R.T. 0.02 min

Lab File: VU025447.D

Acq: 17 Jul 2018 00:37

Instrument :

MSVOA_U

ClientSampleId :

DB189

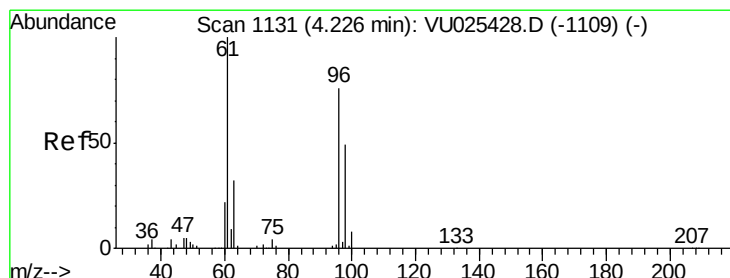
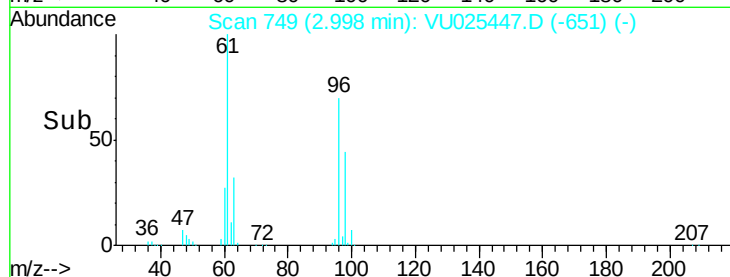
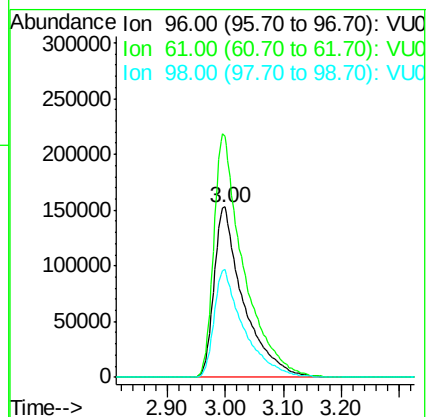
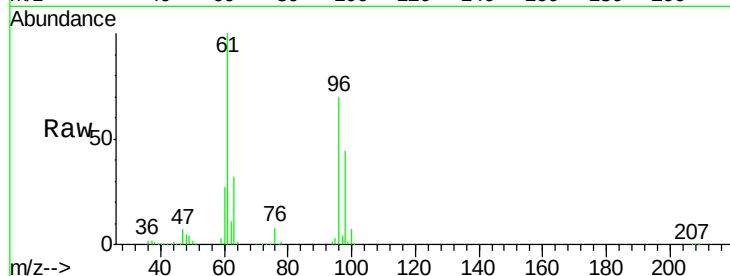
Tot Ion: 96 Resp: 538139

Ion Ratio Lower Upper

96 100

61 141.9 98.2 182.4

98 63.1 44.4 82.5



#20

cis-1,2-Dichloroethene

Concen: 8938.56 ug/L

RT: 4.24 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VU025447.D

Acq: 17 Jul 2018 00:37

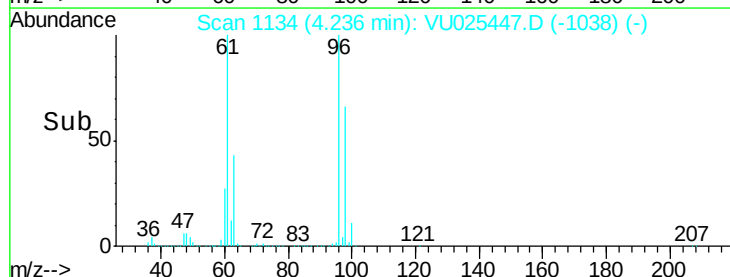
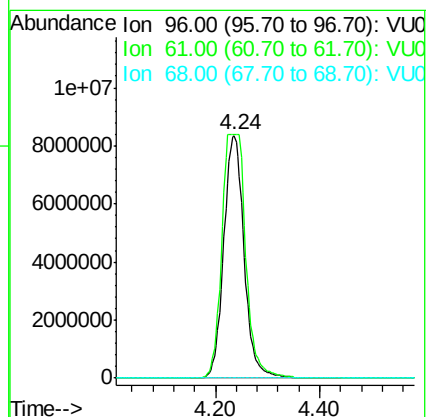
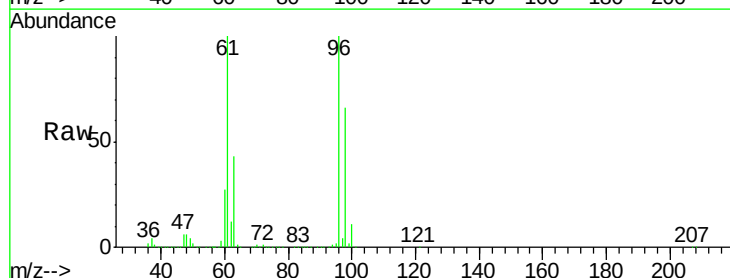
Tgt Ion: 96 Resp: 22573210

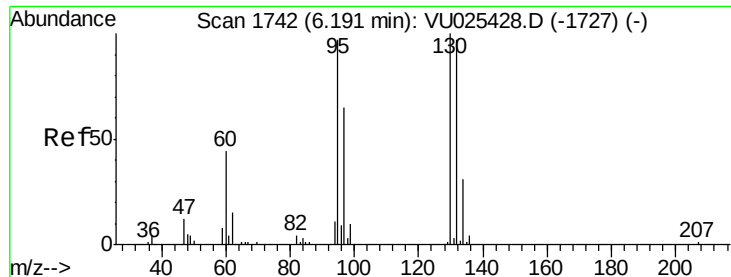
Ion Ratio Lower Upper

96 100

61 100.4 92.0 170.9

68 0.0 0.0 0.0#





#34

Trichloroethene

Concen: 184.74 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025447.D

Acq: 17 Jul 2018 00:37

Instrument :

MSVOA_U

ClientSampleId :

DB189

Tot Ion: 95 Resp: 452970

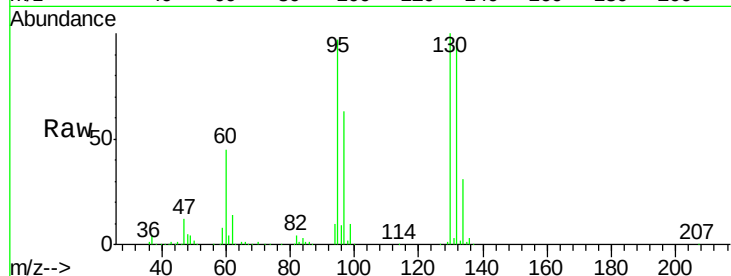
Ion Ratio Lower Upper

95 100

97 64.8 44.3 82.3

132 99.3 69.6 129.2

130 103.5 72.4 134.5

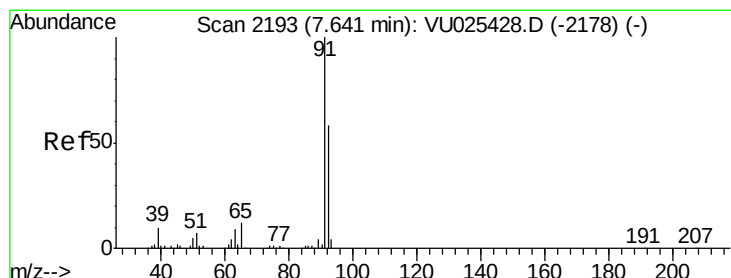
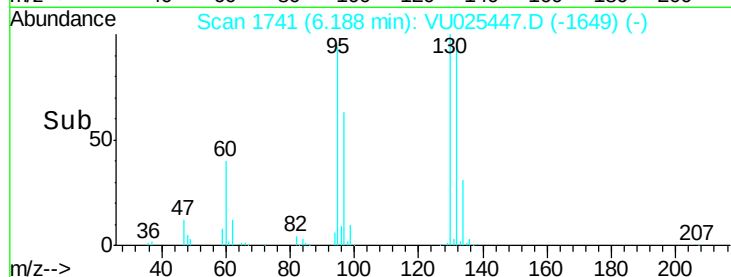
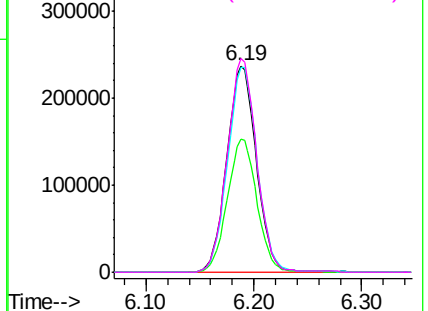


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.38 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025447.D

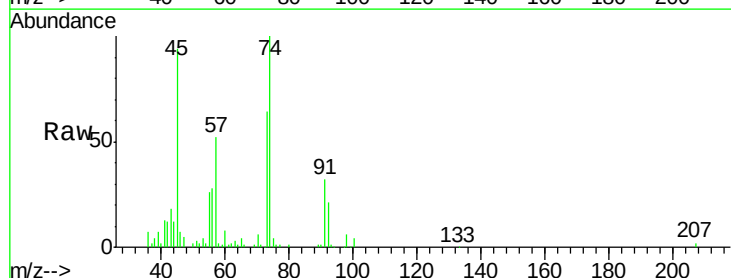
Acq: 17 Jul 2018 00:37

Tgt Ion: 91 Resp: 13580

Ion Ratio Lower Upper

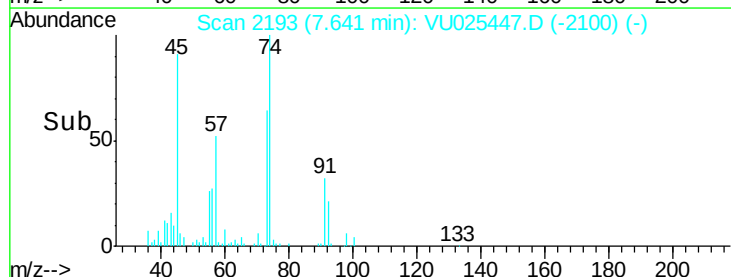
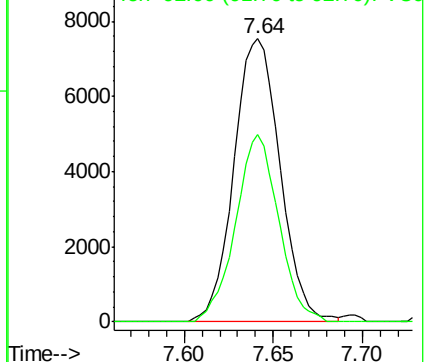
91 100

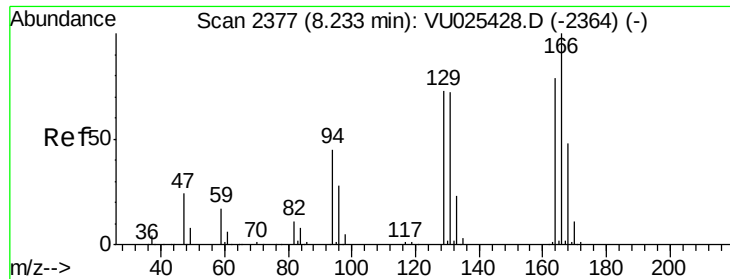
92 66.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

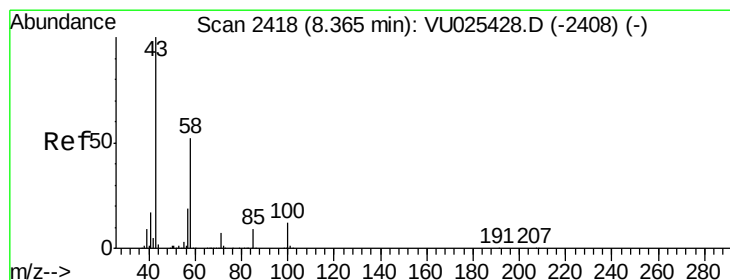
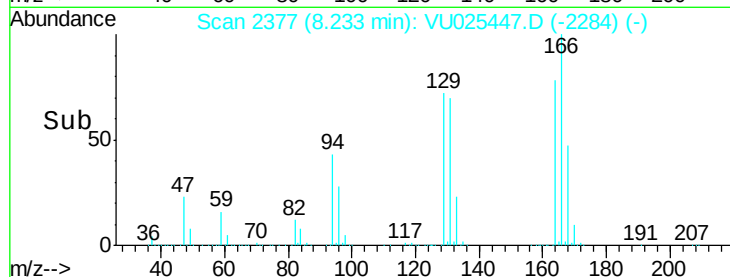
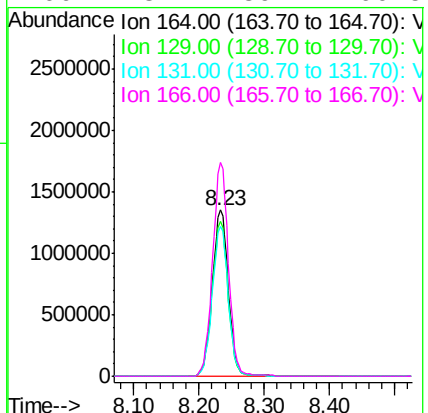
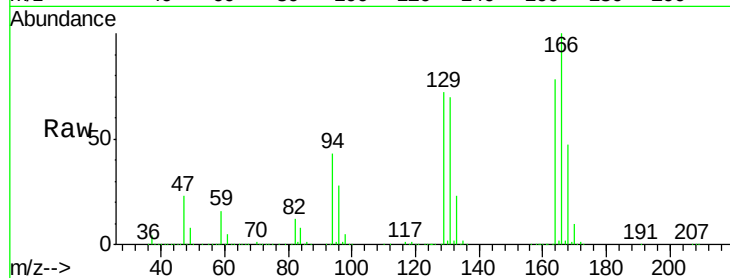




#46
Tetrachloroethene
Concen: 1134.64 ug/L
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025447.D
Acq: 17 Jul 2018 00:37

Instrument :
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ClientSampleId :
DB189

Tot Ion:164 Resp: 2305638
Ion Ratio Lower Upper
164 100
129 93.0 64.7 120.1
131 90.4 63.1 117.3
166 128.4 89.7 166.5



#48
2-Hexanone
Concen: 6.39 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025447.D
Acq: 17 Jul 2018 00:37

Tgt Ion: 43 Resp: 21636
Ion Ratio Lower Upper
43 100
58 57.0 43.0 64.4
57 16.8 15.8 23.6
100 13.4 9.4 14.0

