

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071918\
 Data File : VU025524.D
 Acq On : 19 Jul 2018 16:12
 Operator : MD/SY
 Sample : J3984-13DL 2X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB189DL

Quant Time: Jul 20 02:45:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 20 02:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	326702	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	311266	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	159426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60020	38.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.92%
7) Chloroethane-d5	1.68	69	55789	42.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.27	63	112711	33.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.64%
21) 2-Butanone-d5	4.19	46	172455	105.19	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.19%
24) Chloroform-d	4.65	84	178169	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.16%
26) 1,2-Dichloroethane-d4	5.31	65	121909	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.64%
32) Benzene-d6	5.35	84	328729	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.33	67	113816	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.38%
41) Toluene-d8	7.57	98	313214	43.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.04%
43) trans-1,3-Dichloropropene-	7.85	79	57830	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.20%
47) 2-Hexanone-d5	8.31	63	128804	99.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.74%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	178354	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	145618	45.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.16%

Target Compounds

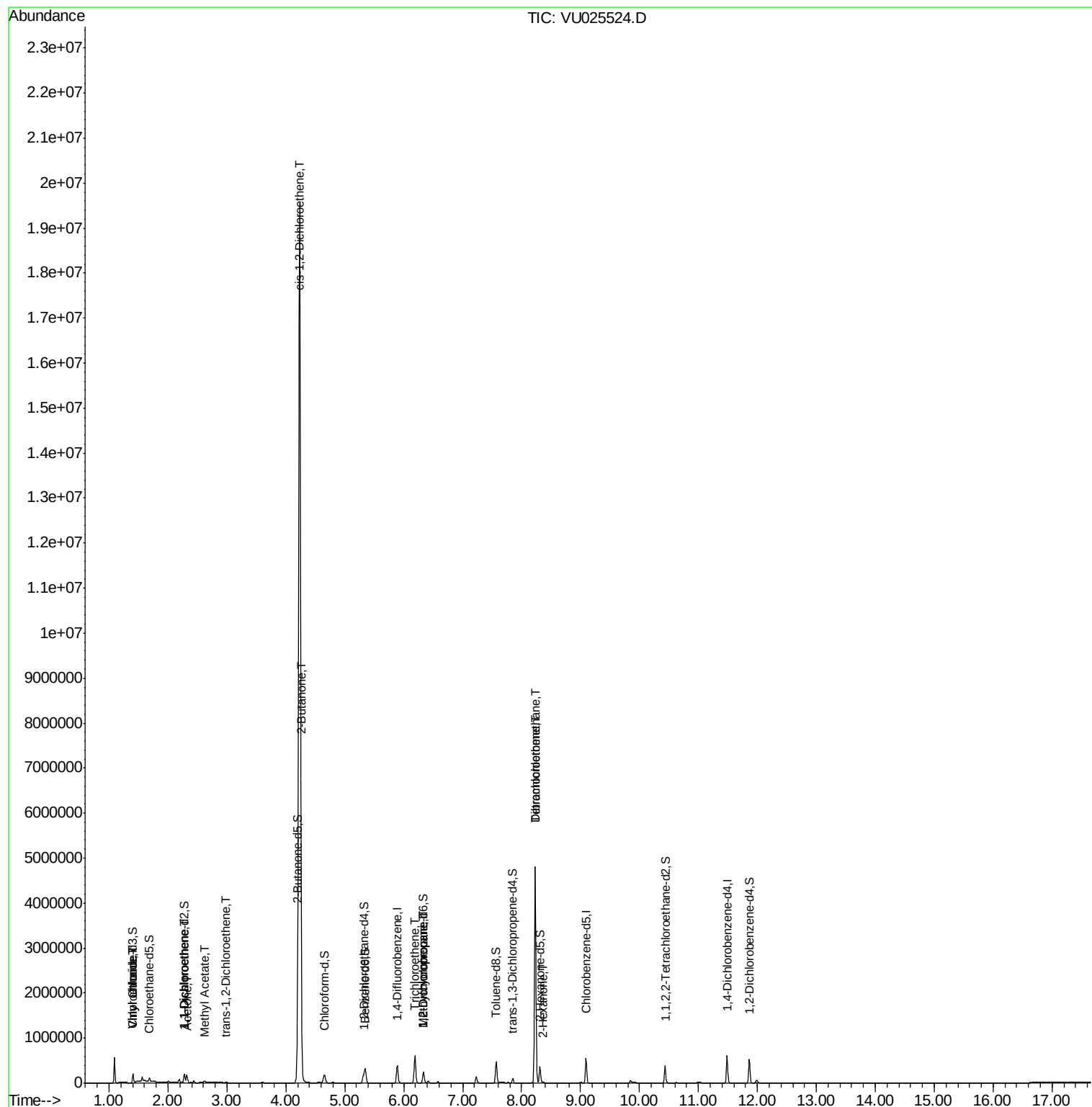
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.41	62	73856	30.882	ug/L	86
8) Chloroethane	1.41	64	34982	24.442	ug/L #	50
12) 1,1-Dichloroethene	2.29	96	11657	6.583	ug/L #	1
13) Acetone	2.32	43	189683	132.495	ug/L	100
15) Methyl Acetate	2.62	43	27677	10.461	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	8260	3.944	ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	11144256	4345.708	ug/L	97
22) 2-Butanone	4.27	43	244100	123.874	ug/L #	69
34) Trichloroethene	6.19	95	205724	84.394	ug/L	96
35) Methylcyclohexane	6.33	83	27393	7.401	ug/L #	18
37) 1,2-Dichloropropane	6.34	63	12646	4.978	ug/L #	88
46) Tetrachloroethene	8.23	164	1096803	539.356	ug/L	98
48) 2-Hexanone	8.36	43	8300	2.820	ug/L	90
49) Dibromochloromethane	8.23	129	1014167	347.844	ug/L #	12

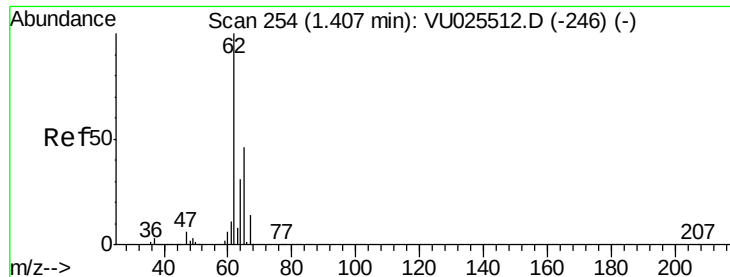
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 30.882 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

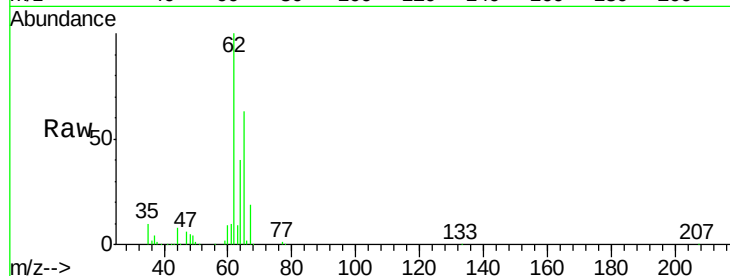
DB189DL

Tgt Ion: 62 Resp: 73856

Ion Ratio Lower Upper

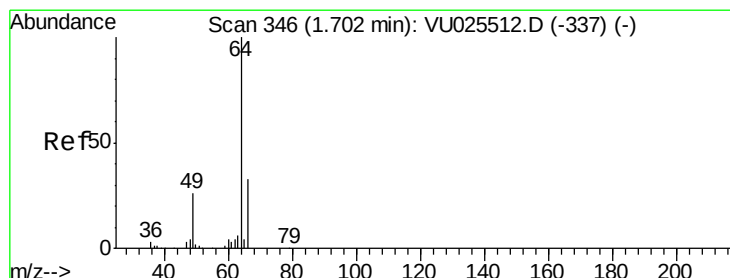
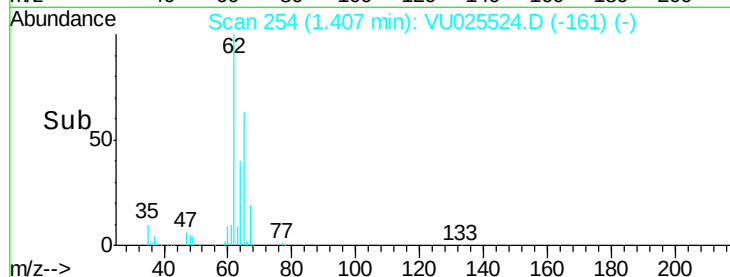
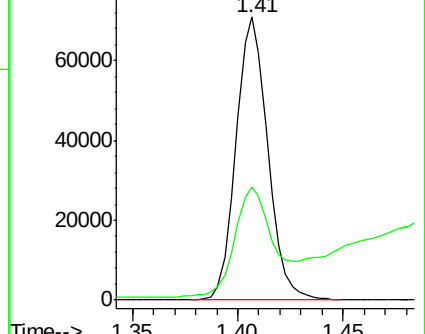
62 100

64 40.1 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 24.442 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.30 min

Lab File: VU025524.D

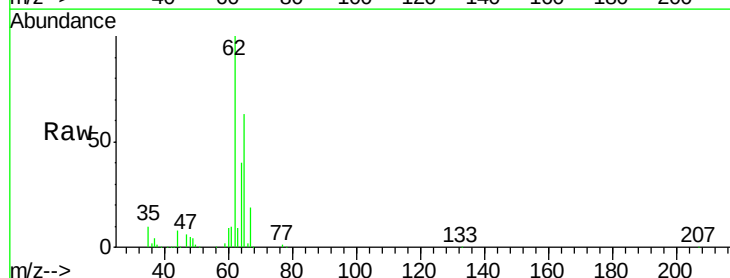
Acq: 19 Jul 2018 16:12

Tgt Ion: 64 Resp: 34982

Ion Ratio Lower Upper

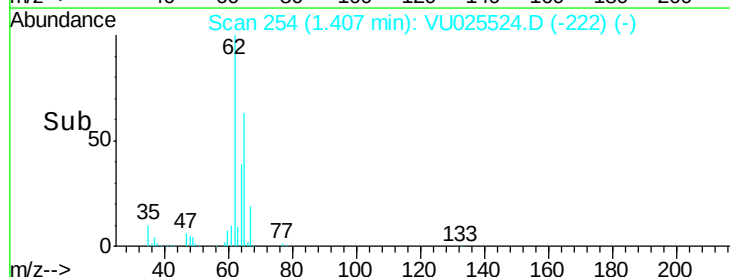
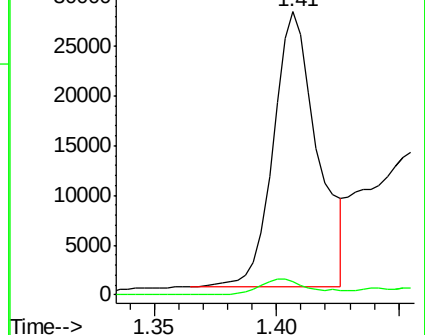
64 100

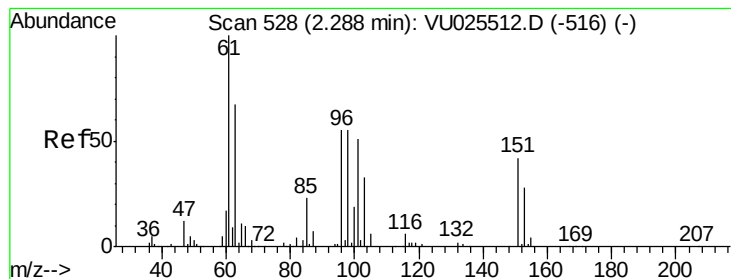
66 4.6 23.0 42.8#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#12

1,1-Dichloroethene

Concen: 6.583 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

DB189DL

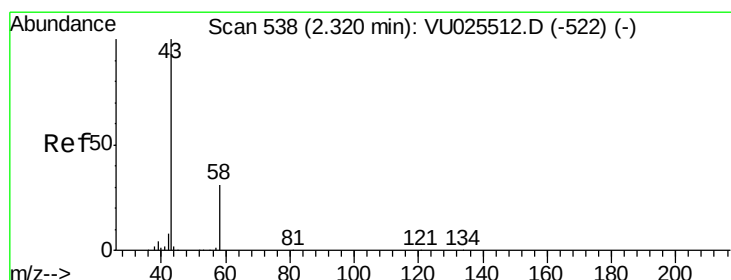
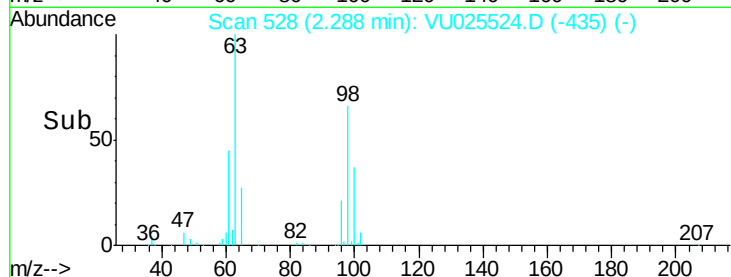
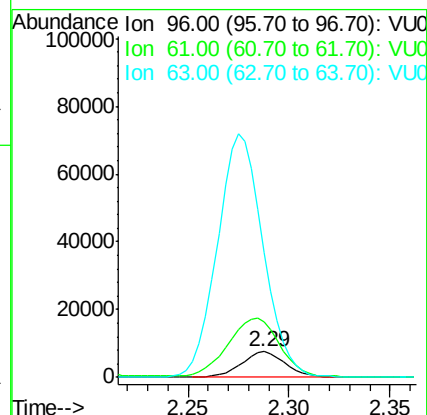
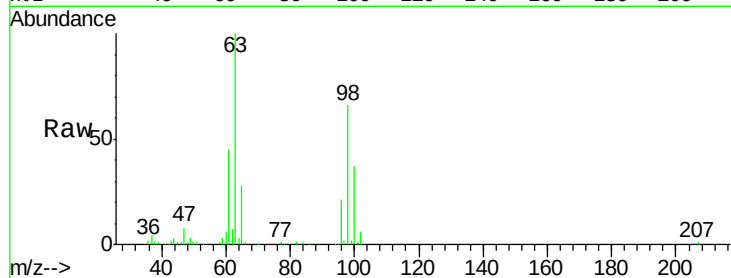
Tgt Ion: 96 Resp: 11657

Ion Ratio Lower Upper

96 100

61 217.6 120.6 224.0

63 486.7 79.3 147.3#



#13

Acetone

Concen: 132.495 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025524.D

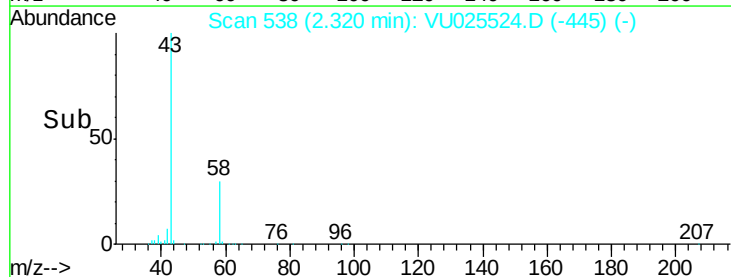
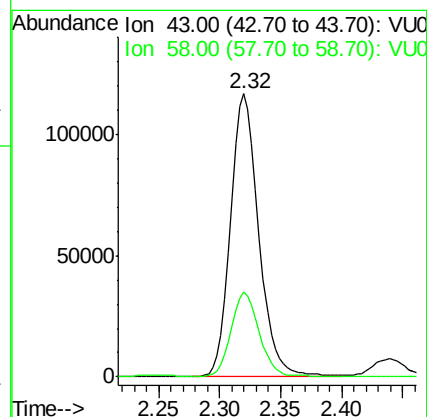
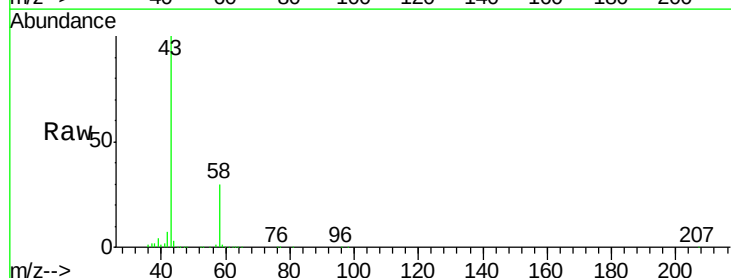
Acq: 19 Jul 2018 16:12

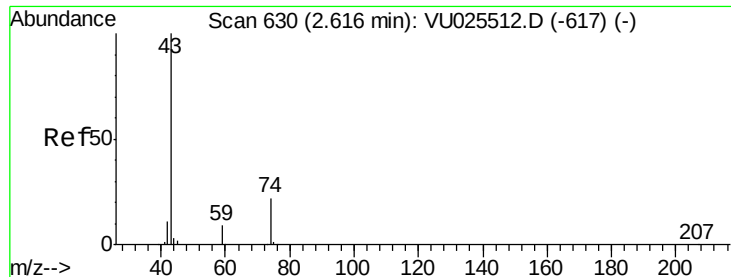
Tgt Ion: 43 Resp: 189683

Ion Ratio Lower Upper

43 100

58 29.4 0.0 59.0

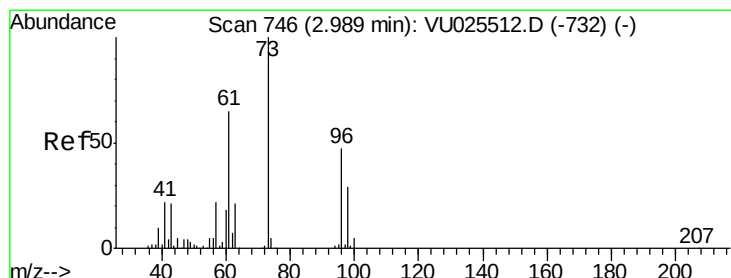
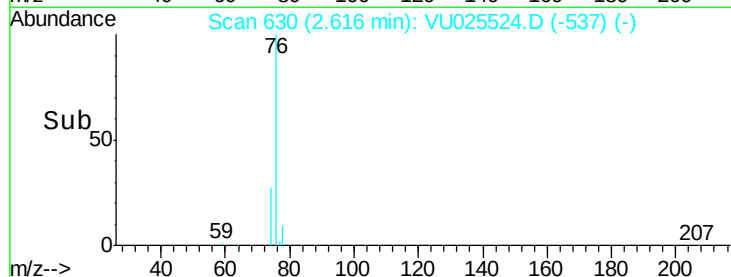
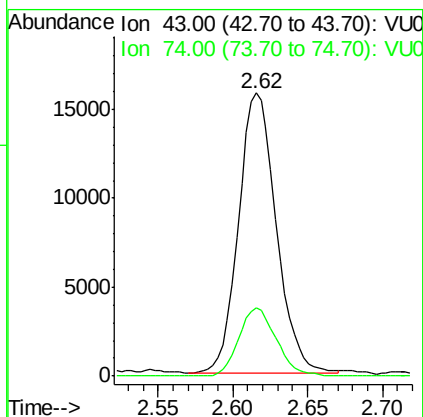
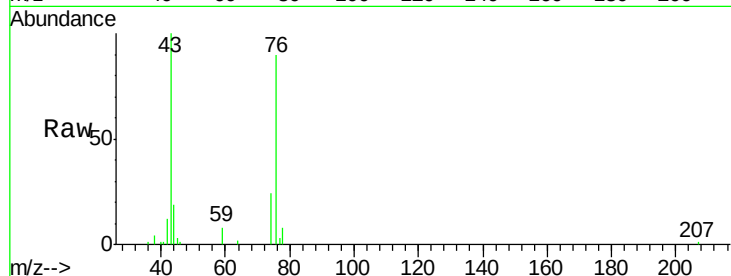




#15
Methyl Acetate
Concen: 10.461 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025524.D
Acq: 19 Jul 2018 16:12

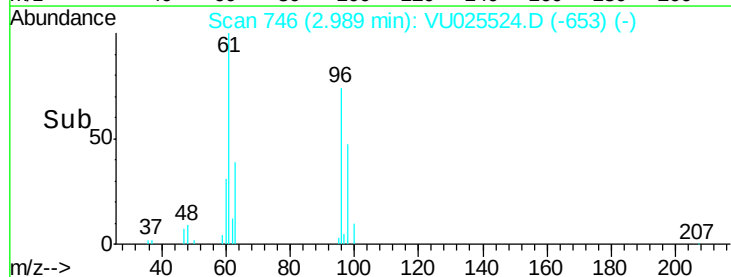
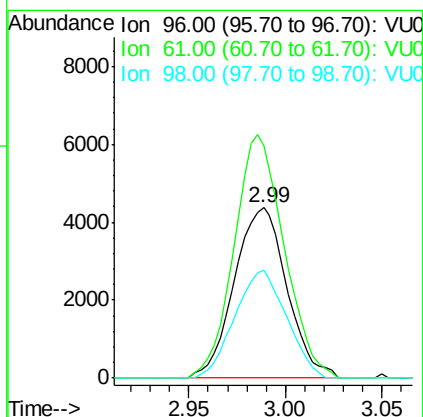
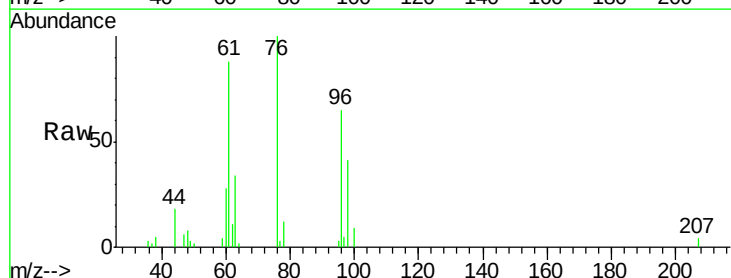
Instrument :
MSVOA_U
ClientSampleId :
DB189DL

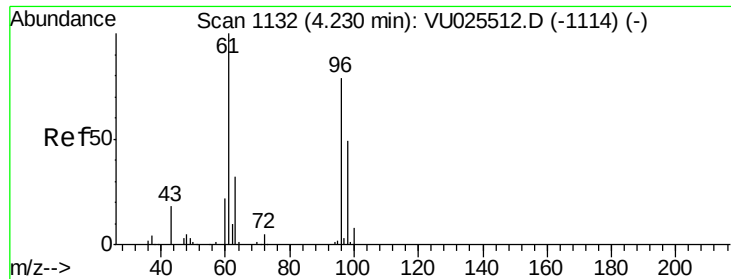
Tgt Ion: 43 Resp: 27677
Ion Ratio Lower Upper
43 100
74 24.2 17.8 26.8



#17
trans-1,2-Dichloroethene
Concen: 3.944 ug/L
RT: 2.99 min Scan# 746
Delta R.T. -0.00 min
Lab File: VU025524.D
Acq: 19 Jul 2018 16:12

Tgt Ion: 96 Resp: 8260
Ion Ratio Lower Upper
96 100
61 135.9 103.6 192.4
98 63.4 44.8 83.2





#20

cis-1,2-Dichloroethene

Concen: 4345.708 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

DB189DL

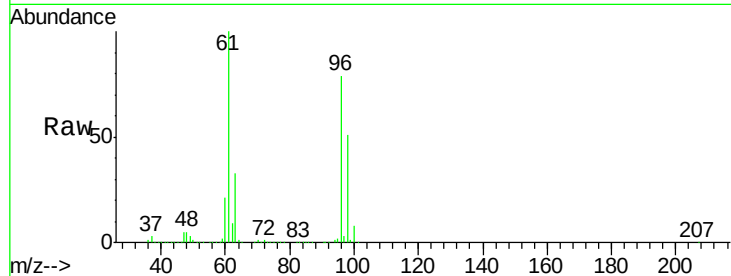
Tgt Ion: 96 Resp:11144256

Ion Ratio Lower Upper

96 100

61 127.3 91.7 170.3

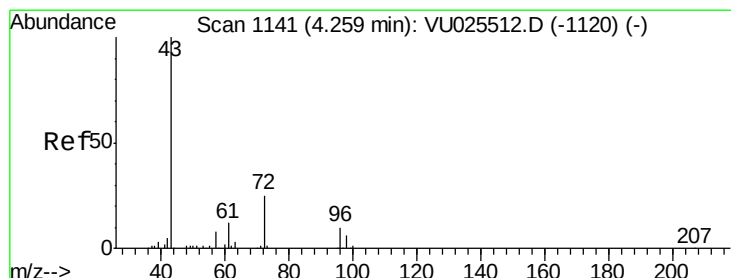
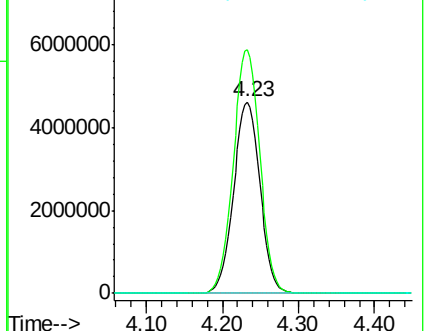
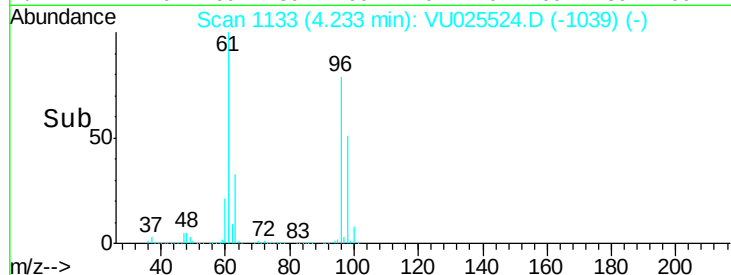
68 0.0 0.0 0.0



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: 123.874 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU025524.D

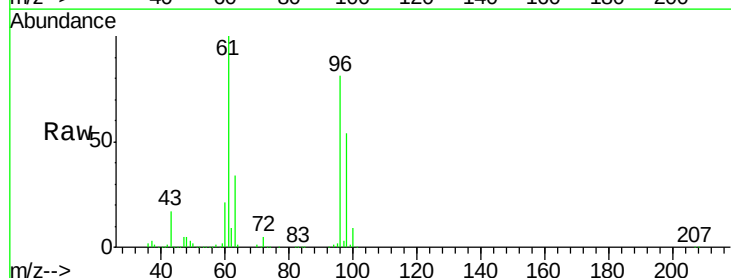
Acq: 19 Jul 2018 16:12

Tgt Ion: 43 Resp: 244100

Ion Ratio Lower Upper

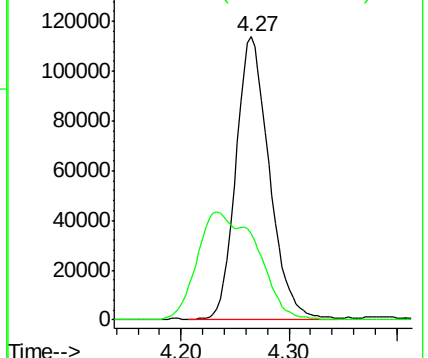
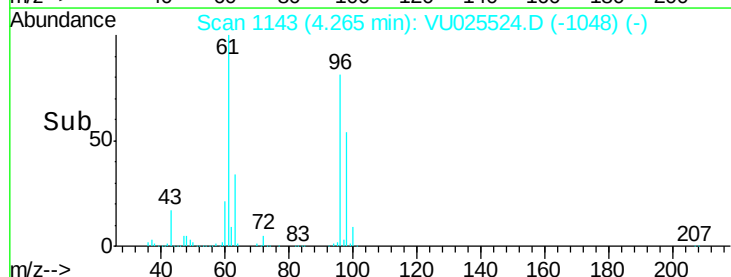
43 100

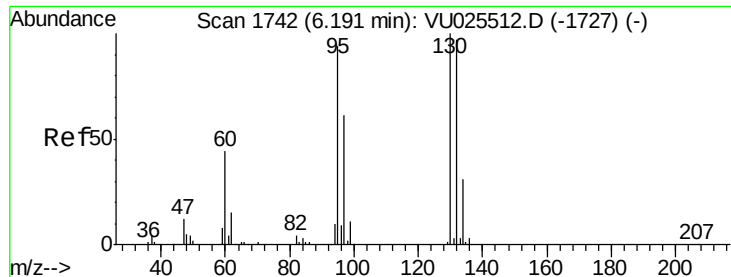
72 43.0 13.4 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#34

Trichloroethene

Concen: 84.394 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025524.D

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ClientSampleId :

DB189DL

Tgt Ion: 95 Resp: 205724

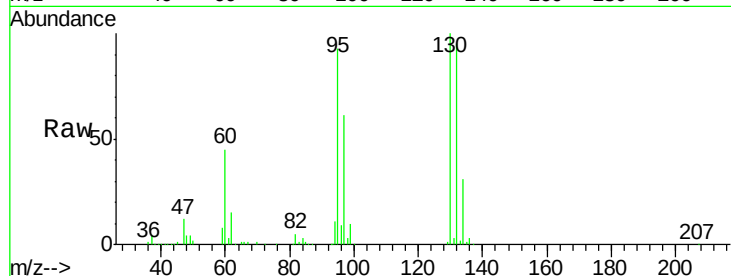
Ion Ratio Lower Upper

95 100

97 65.4 45.9 85.3

132 102.0 68.2 126.6

130 107.3 71.8 133.4

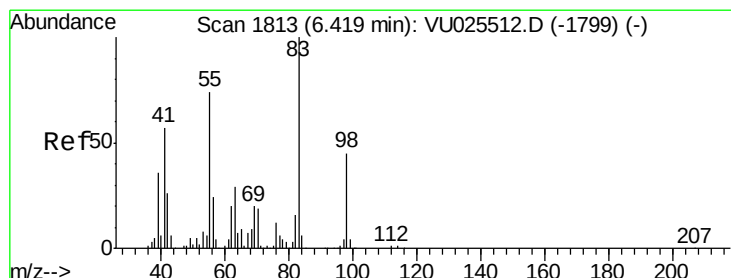
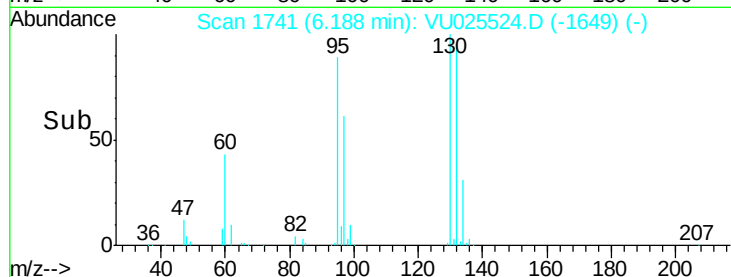
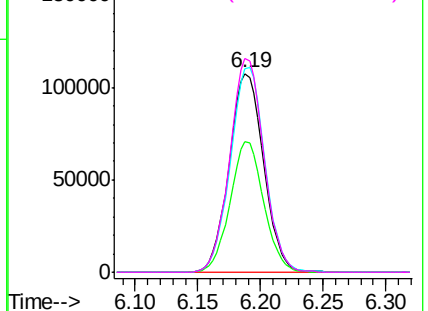


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 7.401 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

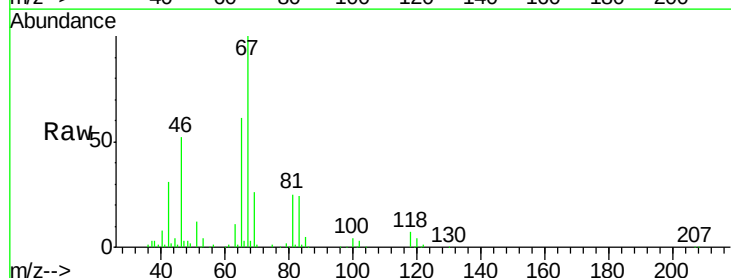
Tgt Ion: 83 Resp: 27393

Ion Ratio Lower Upper

83 100

55 0.4 61.8 92.8#

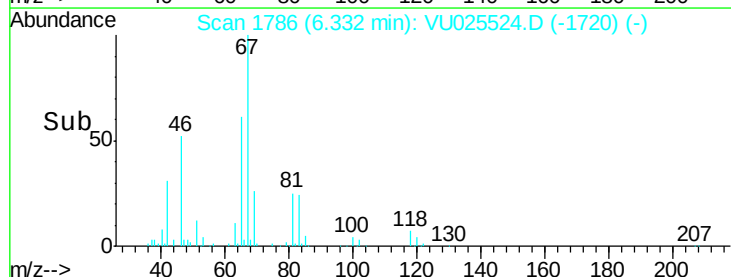
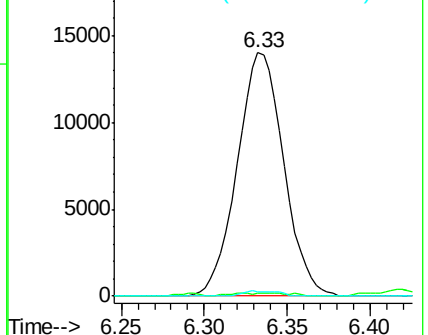
98 1.0 38.7 58.1#

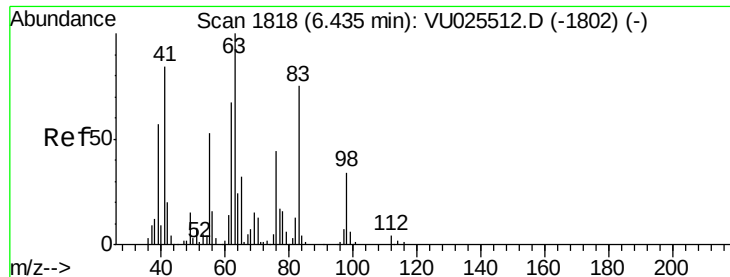


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 4.978 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

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ClientSampleId :

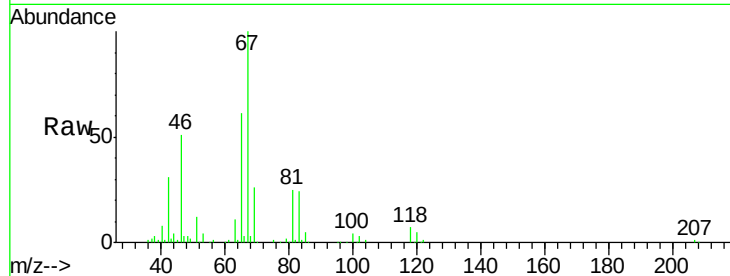
DB189DL

Tgt Ion: 63 Resp: 12646

Ion Ratio Lower Upper

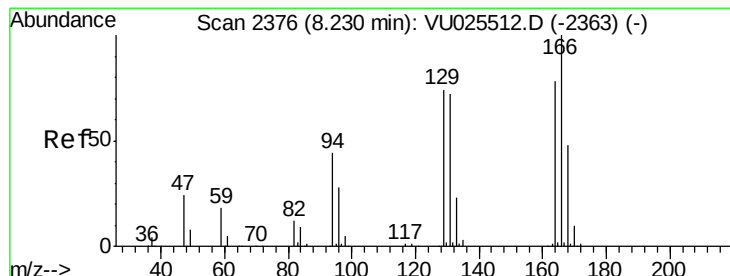
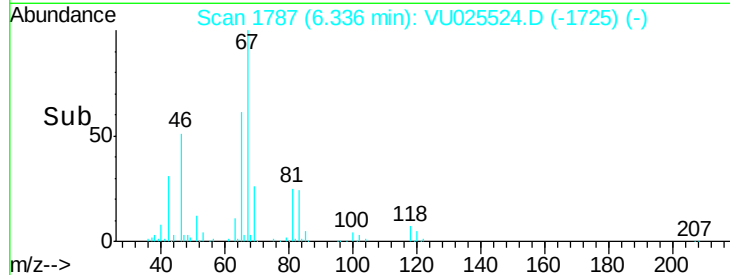
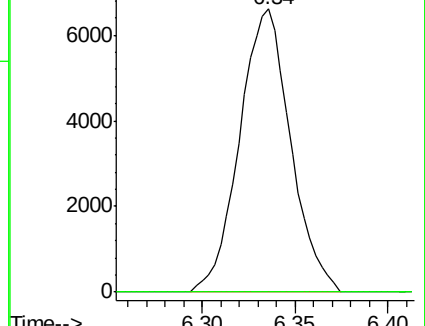
63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU025512.D (-1802) (-)

Ion 112.00 (111.70 to 112.70): VU025512.D (-1802) (-)



#46

Tetrachloroethene

Concen: 539.356 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Tgt Ion:164 Resp: 1096803

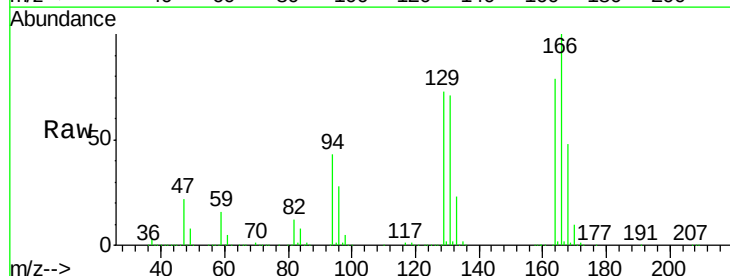
Ion Ratio Lower Upper

164 100

129 92.2 66.5 123.5

131 89.5 63.7 118.3

166 126.4 90.8 168.6

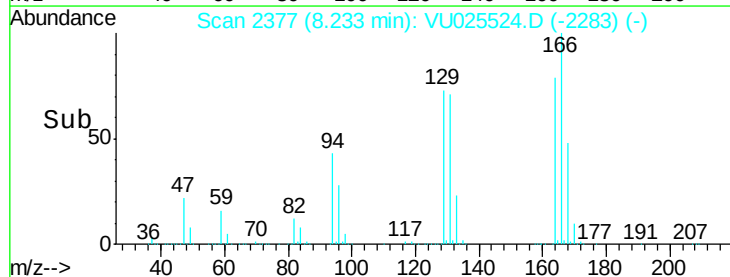
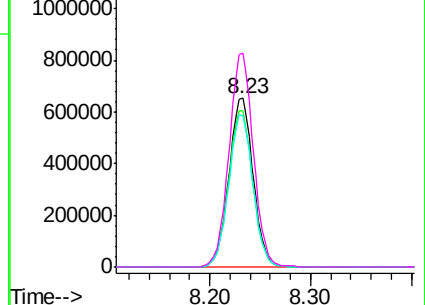


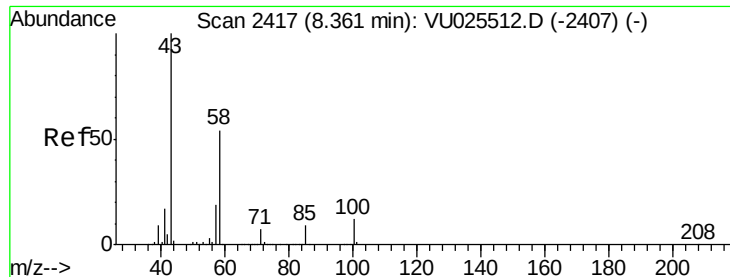
Abundance Ion 164.00 (163.70 to 164.70): VU025512.D (-2363) (-)

Ion 129.00 (128.70 to 129.70): VU025512.D (-2363) (-)

Ion 131.00 (130.70 to 131.70): VU025512.D (-2363) (-)

Ion 166.00 (165.70 to 166.70): VU025512.D (-2363) (-)

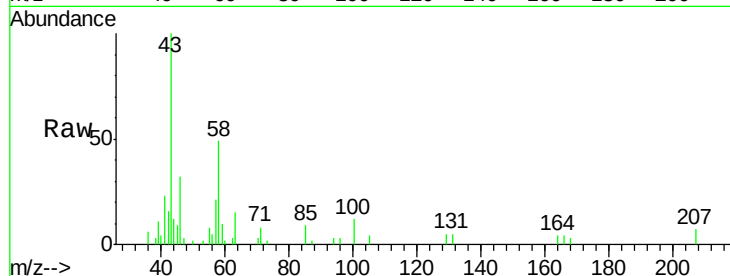




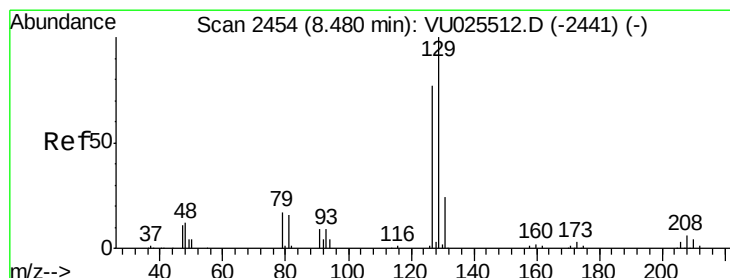
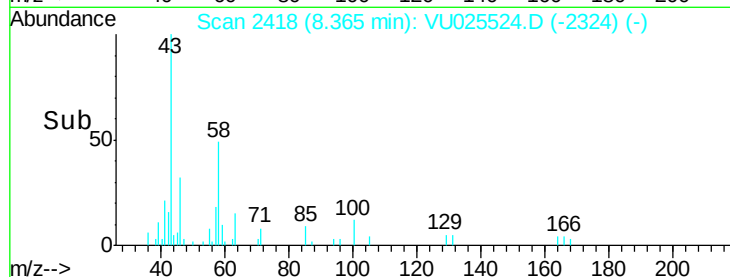
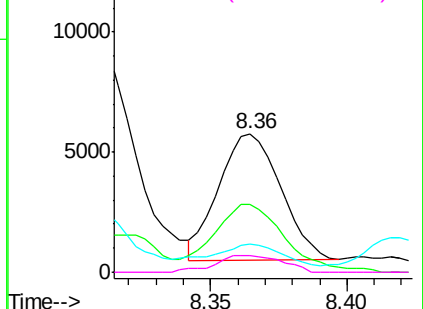
#48
2-Hexanone
Concen: 2.820 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025524.D
Acq: 19 Jul 2018 16:12

Instrument :
MSVOA_U
ClientSampleId :
DB189DL

Tgt Ion: 43 Resp: 8300
Ion Ratio Lower Upper
43 100
58 63.1 42.3 63.5
57 18.7 15.6 23.4
100 13.3 9.3 13.9

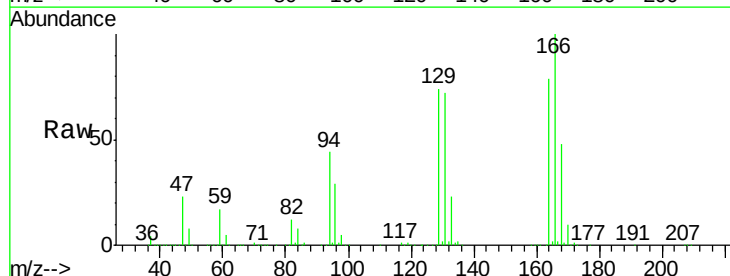


Abundance Ion 43.00 (42.70 to 43.70): VU025512.D (-2407) (-)
Ion 58.00 (57.70 to 58.70): VU025512.D (-2407) (-)
Ion 57.00 (56.70 to 57.70): VU025512.D (-2407) (-)
Ion 100.00 (99.70 to 100.70): VU025512.D (-2407) (-)



#49
Dibromochloromethane
Concen: 347.844 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.25 min
Lab File: VU025524.D
Acq: 19 Jul 2018 16:12

Tgt Ion: 129 Resp: 1014167
Ion Ratio Lower Upper
129 100
127 0.1 52.4 97.2#



Abundance Ion 129.00 (128.70 to 129.70): VU025512.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU025512.D (-2441) (-)

