

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031176.D
 Acq On : 13 Apr 2019 23:14
 Operator : JC/SP
 Sample : K2403-12RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A5129

Quant Time: Apr 13 23:58:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 23:49:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	483392	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	457605	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	179681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	180097	41.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.48%
7) Chloroethane-d5	1.67	69	151875	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.74%
11) 1,1-Dichloroethene-d2	2.26	63	255052	32.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.36%
21) 2-Butanone-d5	4.17	46	322911	94.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.42%
24) Chloroform-d	4.64	84	329392	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.94%
26) 1,2-Dichloroethane-d4	5.30	65	219345	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
32) Benzene-d6	5.33	84	669342	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.32	67	220988	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.54%
41) Toluene-d8	7.56	98	546993	46.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.85	79	91556	43.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.72%
47) 2-Hexanone-d5	8.31	63	190251	90.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303129	49.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	187110	52.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.90%

Target Compounds

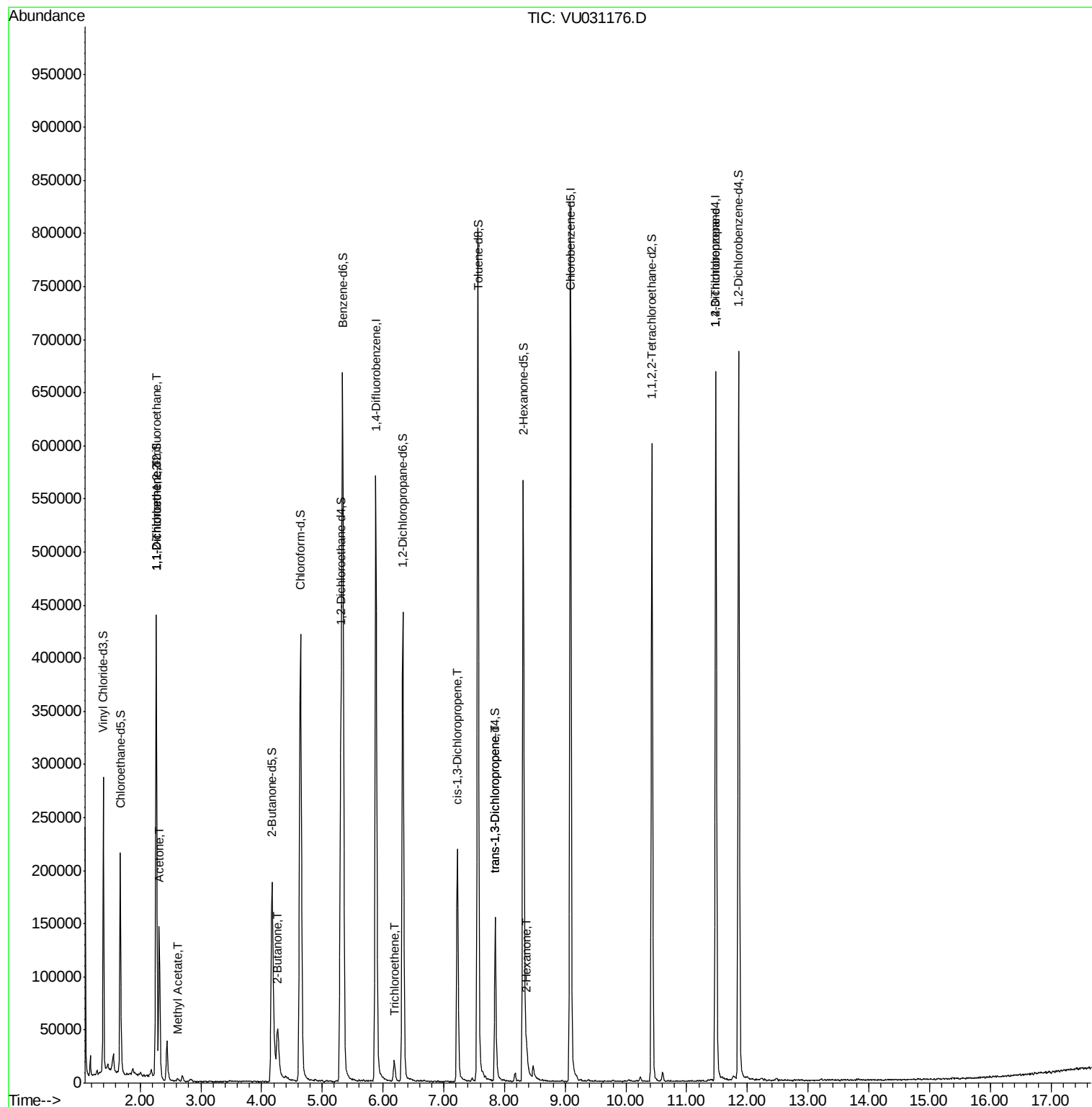
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2280	0.659	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2048	0.613	ug/L #	1
13) Acetone	2.32	43	146772	41.940	ug/L	99
15) Methyl Acetate	2.61	43	3438	0.634	ug/L #	74
22) 2-Butanone	4.26	43	78224	19.064	ug/L	94
34) Trichloroethene	6.19	95	6394	1.741	ug/L	80
39) cis-1,3-Dichloropropene	7.23	75	5694	0.943	ug/L #	76
44) trans-1,3-Dichloropropene	7.85	75	3486	0.655	ug/L #	78
48) 2-Hexanone	8.37	43	6893	1.296	ug/L #	49
59) 1,2,3-Trichloropropane	11.48	75	19949	3.928	ug/L #	88

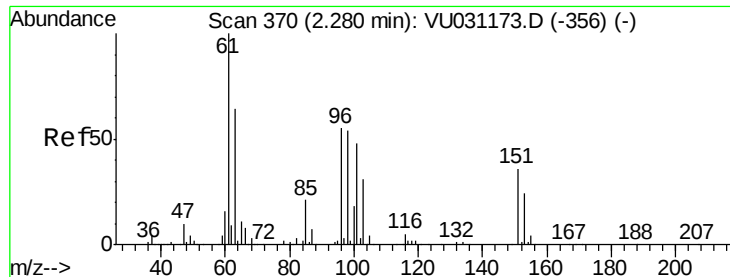
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.659 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031176.D

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A5129

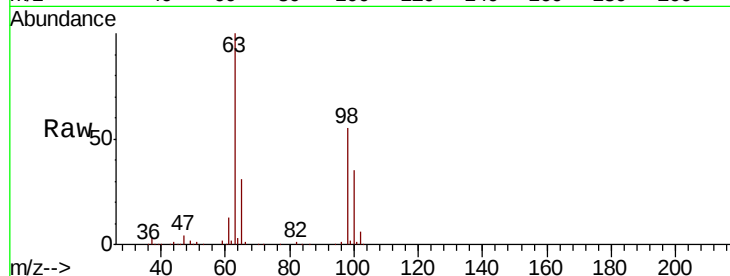
Tot Ion:101 Resp: 2280

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

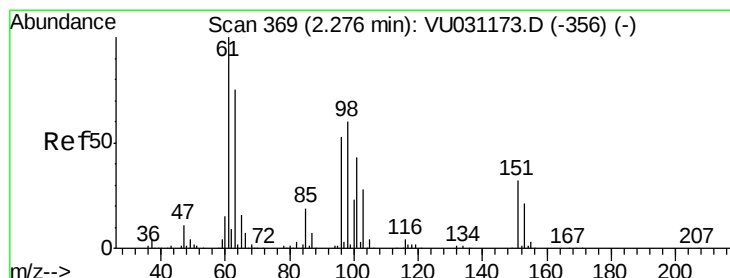
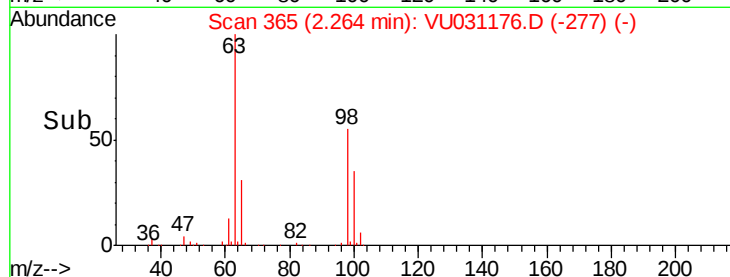
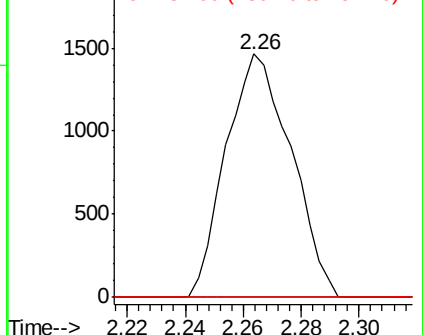
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.613 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031176.D

Acq: 13 Apr 2019 23:14

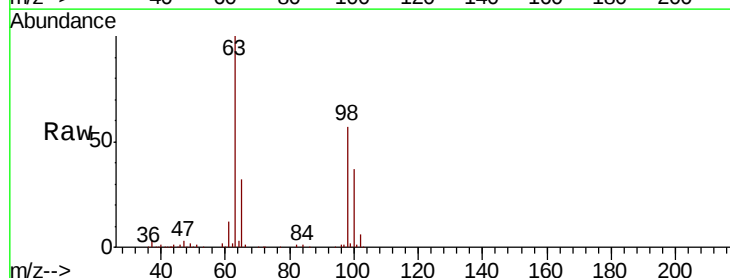
Tgt Ion: 96 Resp: 2048

Ion Ratio Lower Upper

96 100

61 1501.4 132.0 245.2#

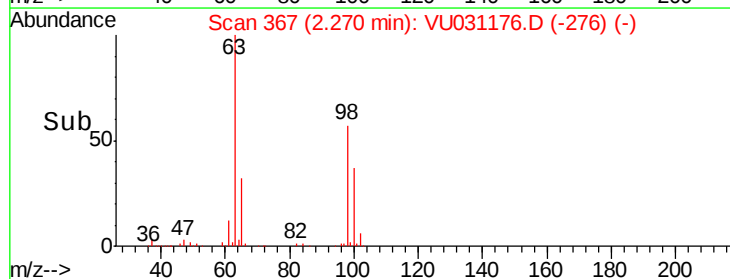
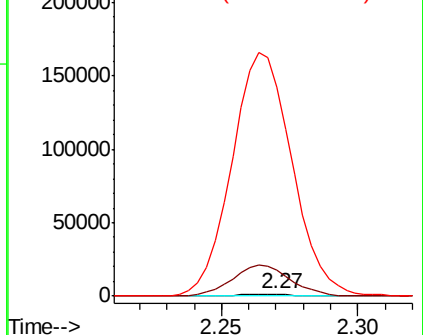
63 12388.9 90.9 168.9#

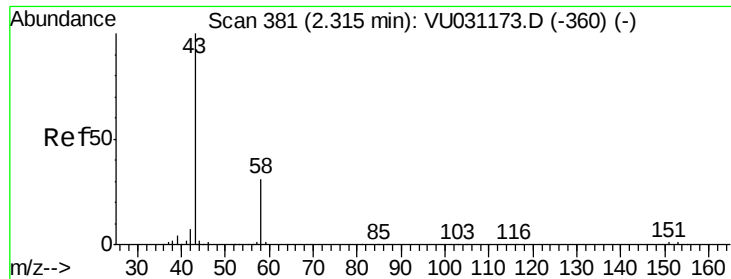


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.940 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031176.D

Acq: 13 Apr 2019 23:14

Instrument :

MSVOA_U

ClientSampleId :

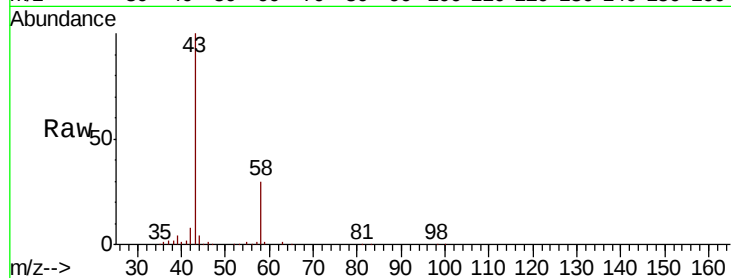
A5129

Tot Ion: 43 Resp: 146772

Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031176.D (-381) (-)

Ion 58.00 (57.70 to 58.70): VU031176.D (-381) (-)

2.32

100000

80000

60000

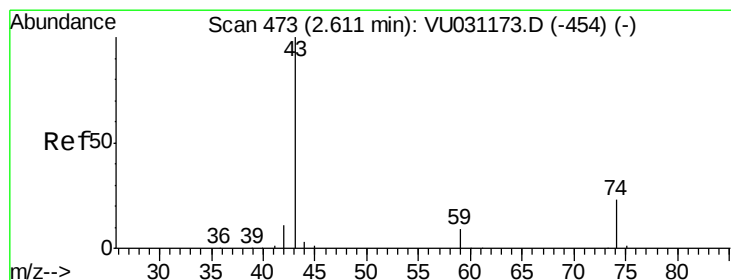
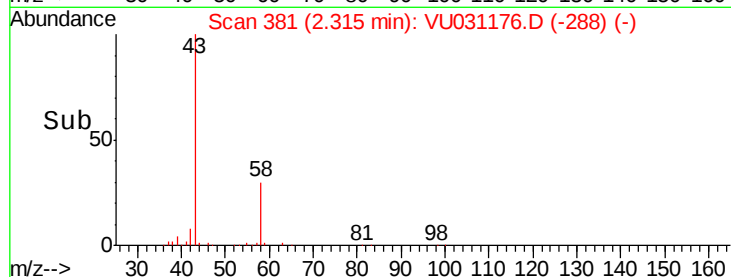
40000

20000

0

Time-->

2.25 2.30 2.35 2.40



#15

Methyl Acetate

Concen: 0.634 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU031176.D

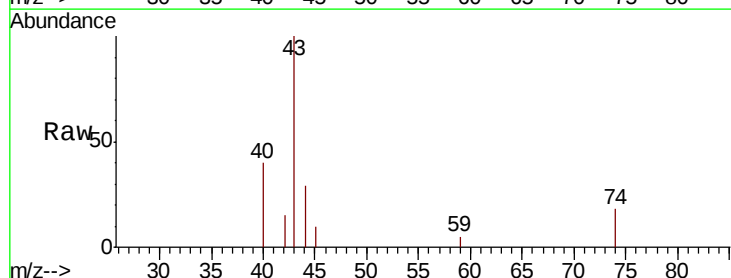
Acq: 13 Apr 2019 23:14

Tgt Ion: 43 Resp: 3438

Ion Ratio Lower Upper

43 100

74 9.4 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VU031176.D (-381) (-)

Ion 74.00 (73.70 to 74.70): VU031176.D (-381) (-)

2.61

2000

1500

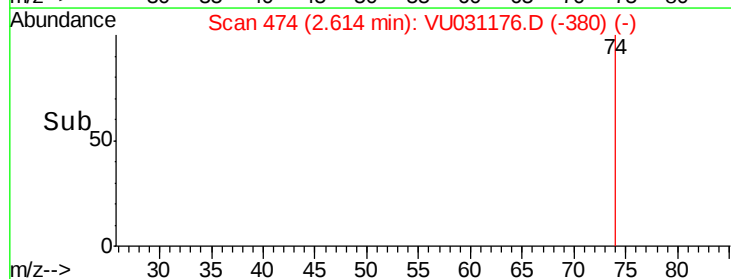
1000

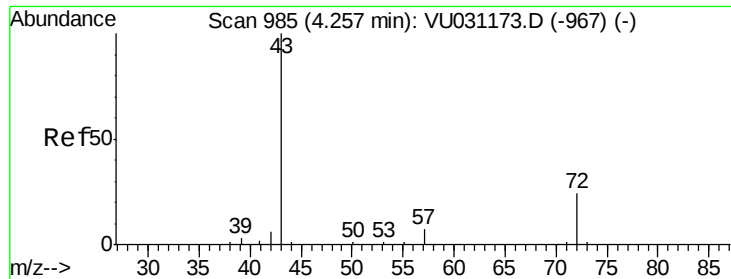
500

0

Time-->

2.60 2.65





#22

2-Butanone

Concen: 19.064 ug/L

RT: 4.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VU031176.D

Acq: 13 Apr 2019 23:14

Instrument :

MSVOA_U

ClientSampleId :

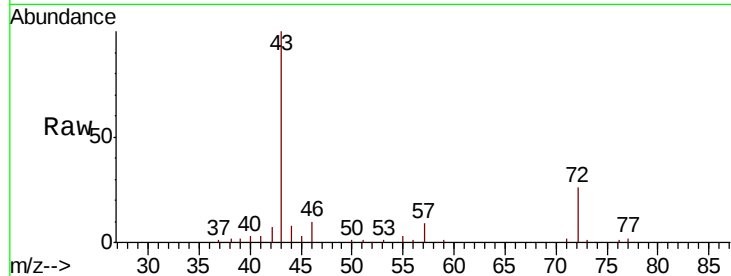
A5129

Tot Ion: 43 Resp: 78224

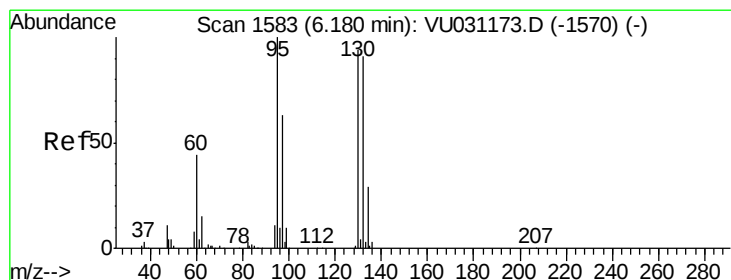
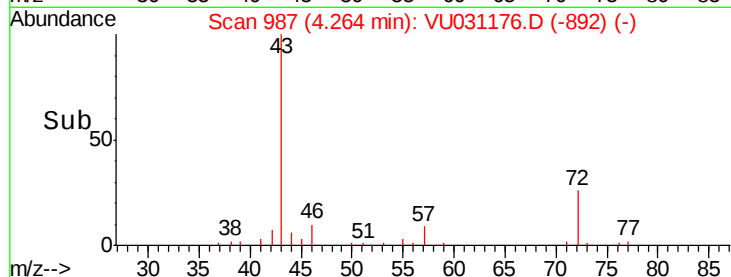
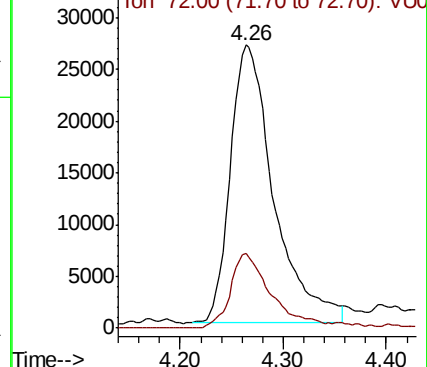
Ion Ratio Lower Upper

43 100

72 24.3 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VU031176.D (-892) (-)



#34

Trichloroethene

Concen: 1.741 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU031176.D

Acq: 13 Apr 2019 23:14

Tgt Ion: 95 Resp: 6394

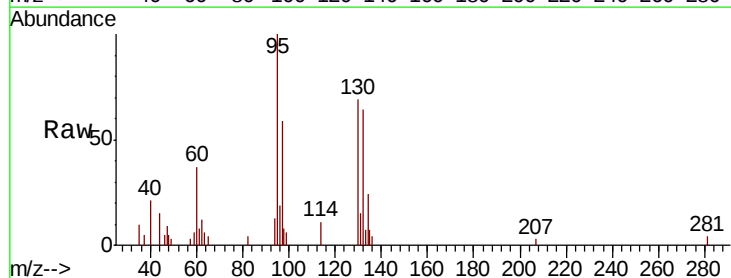
Ion Ratio Lower Upper

95 100

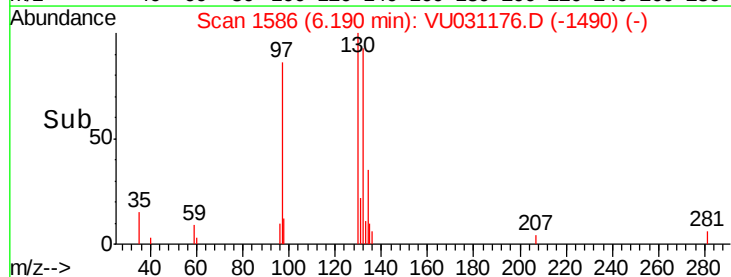
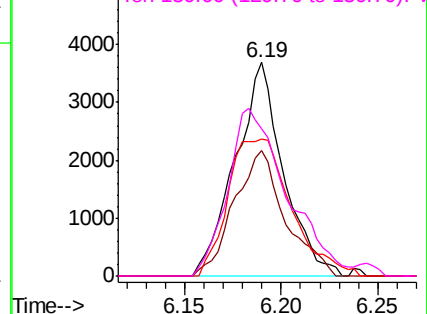
97 59.0 44.5 82.7

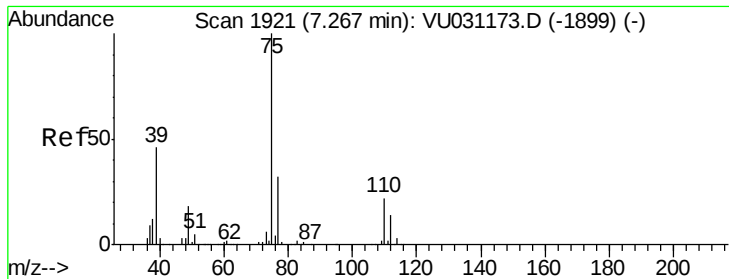
132 64.3 61.5 114.1

130 69.0 64.9 120.5



Abundance Ion 95.00 (94.70 to 95.70): VU031176.D (-1490) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.943 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU031176.D

Acq: 13 Apr 2019 23:14

Instrument :

MSVOA_U

ClientSampleId :

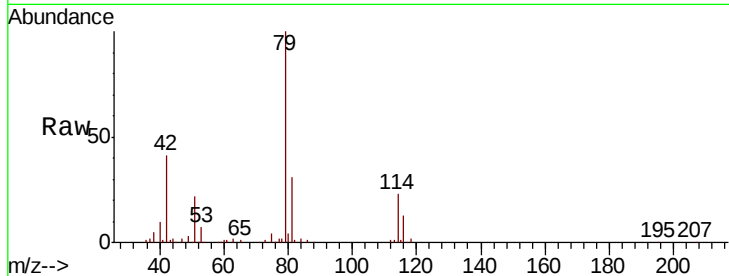
A5129

Tot Ion: 75 Resp: 5694

Ion Ratio Lower Upper

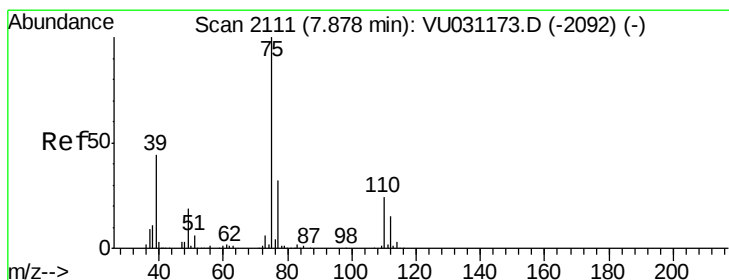
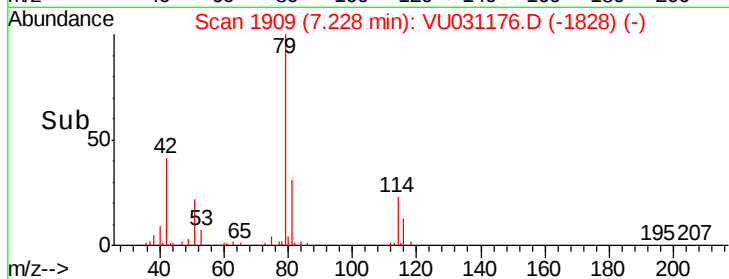
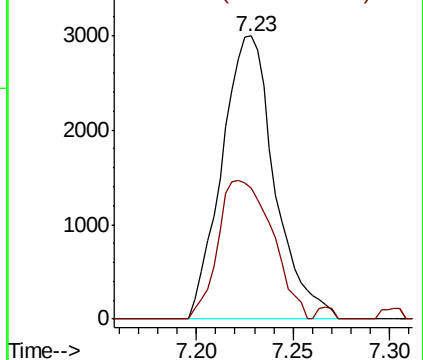
75 100

77 46.4 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.655 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031176.D

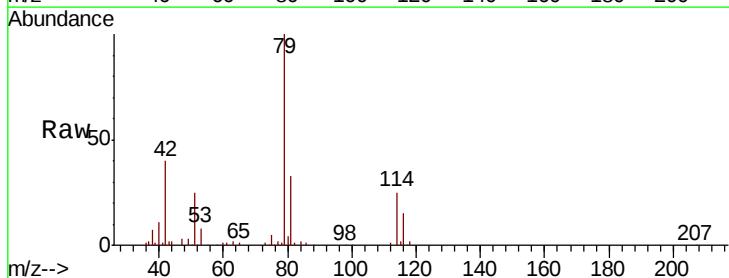
Acq: 13 Apr 2019 23:14

Tgt Ion: 75 Resp: 3486

Ion Ratio Lower Upper

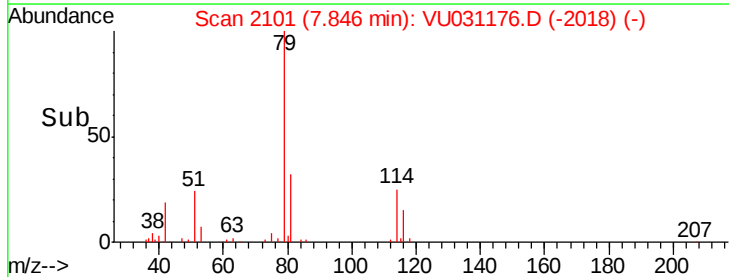
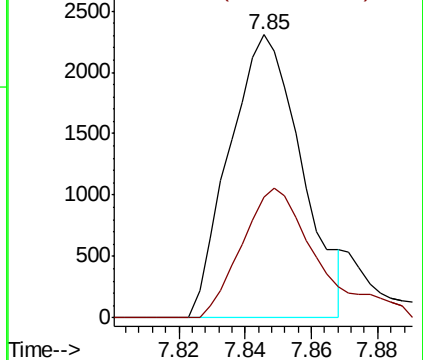
75 100

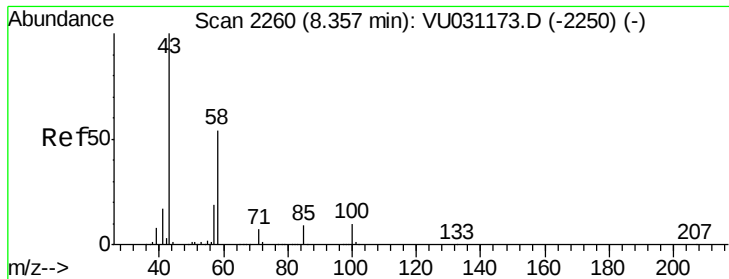
77 42.6 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

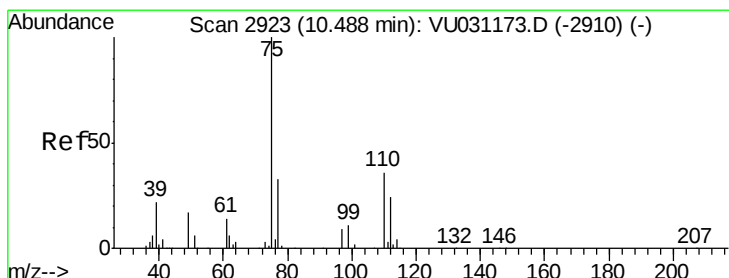
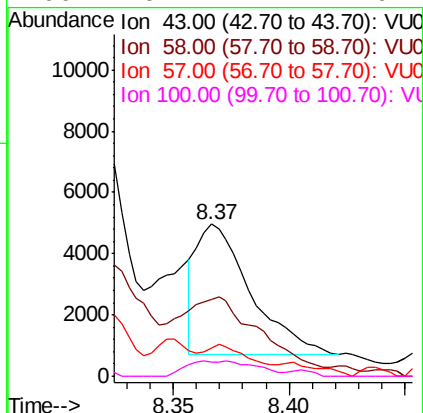
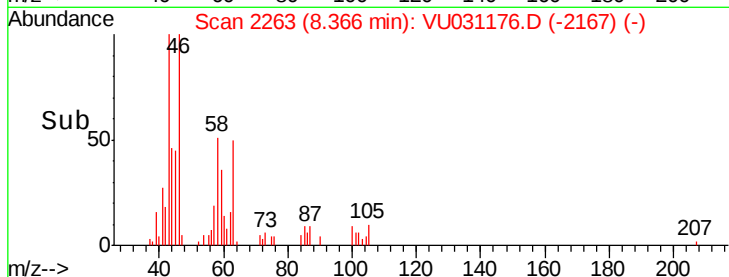
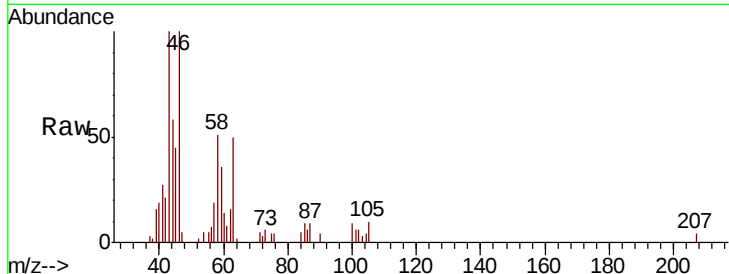




#48
2-Hexanone
Concen: 1.296 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031176.D
Acq: 13 Apr 2019 23:14

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ClientSampleId :
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Tot Ion: 43 Resp: 6893
Ion Ratio Lower Upper
43 100
58 0.0 41.9 62.9#
57 15.9 14.3 21.5
100 6.1 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 3.928 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031176.D
Acq: 13 Apr 2019 23:14

Tgt Ion: 75 Resp: 19949
Ion Ratio Lower Upper
75 100
77 39.5 26.1 39.1#

