

Data File : VU029526.D
Acq On : 18 Feb 2019 13:46
Operator : JC/SP
Sample : K1494-02DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AL1DL

Quant Time: Feb 19 00:23:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	218931	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	207742	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112608	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64529	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.68	69	64278	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.27	63	106510	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.21	46	154345	50.47	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.94%
24) Chloroform-d	4.65	84	110752	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	60936	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.34	84	239799	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	73519	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.56	98	239529	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.85	79	31049	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.31	63	159510	52.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63505	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	104217	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Qvalue
6) Bromomethane	1.63	94	928	0.075 ug/L	99
8) Chloroethane	1.65	64	3051	0.222 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1282	0.067 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1410	0.078 ug/L #	1
13) Acetone	2.34	43	2165	0.779 ug/L	87
16) Methylene chloride	2.70	84	6645	0.328 ug/L	90
22) cis-1,2-Dichloroethene	4.23	96	32005	1.811 ug/L	100
25) Chloroform	4.67	83	4849	0.167 ug/L	96
34) Trichloroethene	6.18	95	190823	11.099 ug/L	97
35) Methylcyclohexane	6.33	83	17661	0.611 ug/L #	22
37) 1,2-Dichloropropane	6.33	63	7764	0.507 ug/L #	87
40) 4-Methyl-2-pentanone	7.47	43	3515	0.398 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	11714	1.192 ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	2354	0.071 ug/L #	89
68) 1,2,4-trichlorobenzene	13.51	180	2804	0.101 ug/L	96
70) 1,2,3-Trichlorobenzene	14.00	180	1880	0.071 ug/L	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

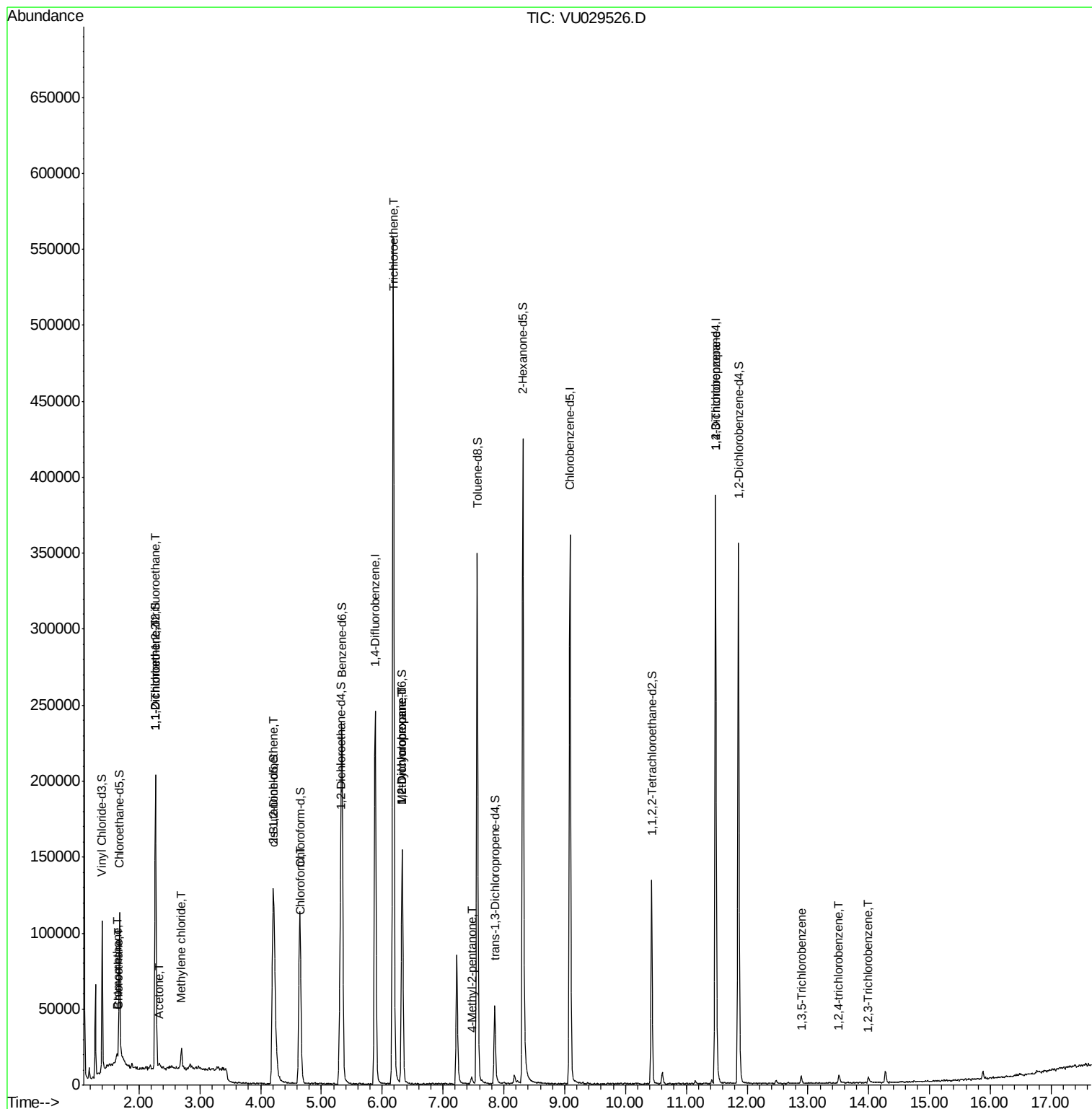
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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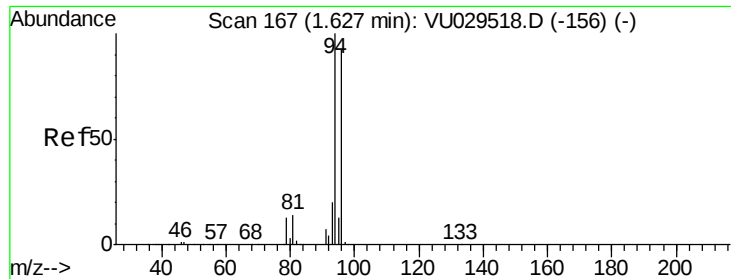
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.075 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

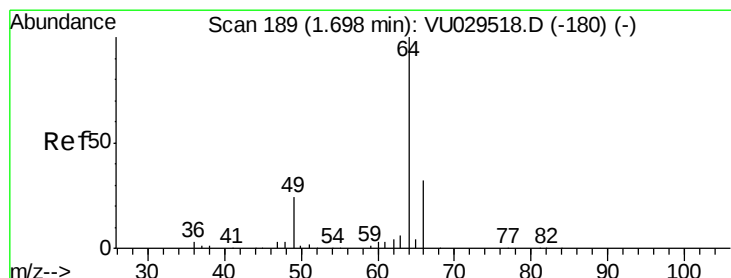
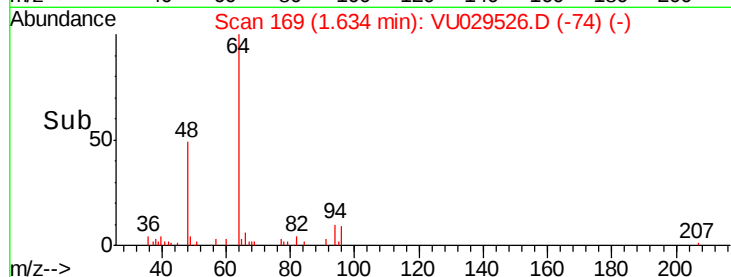
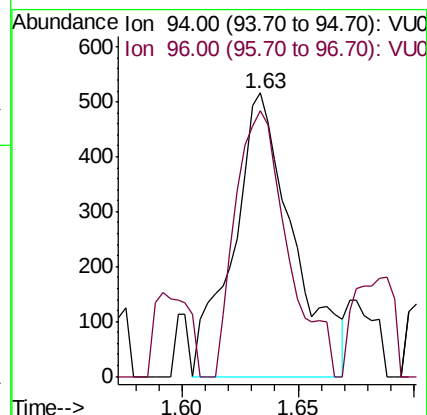
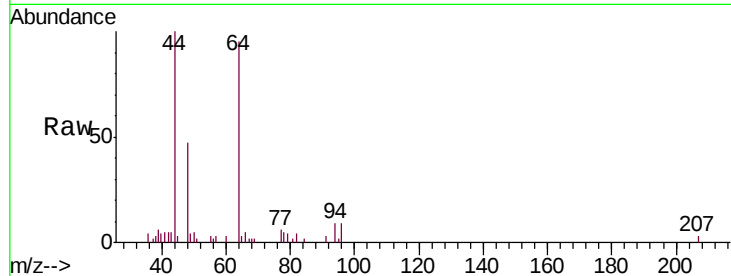
C0AL1DL

Tgt Ion: 94 Resp: 928

Ion Ratio Lower Upper

94 100

96 93.6 65.2 121.0



#8

Chloroethane

Concen: 0.222 ug/L

RT: 1.65 min Scan# 174

Delta R.T. -0.05 min

Lab File: VU029526.D

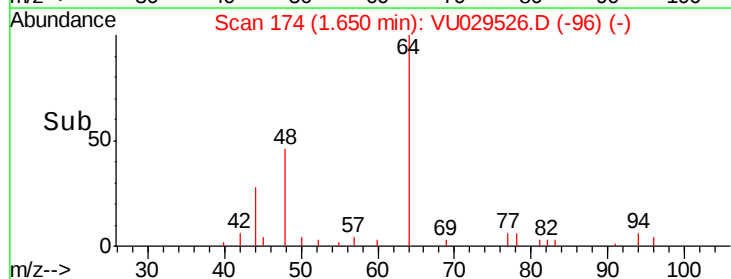
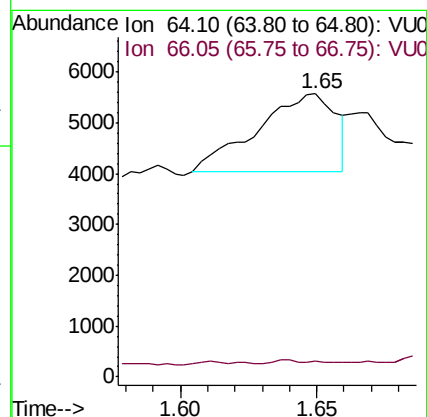
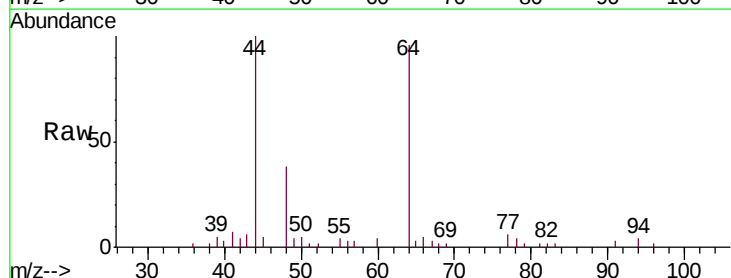
Acq: 18 Feb 2019 13:46

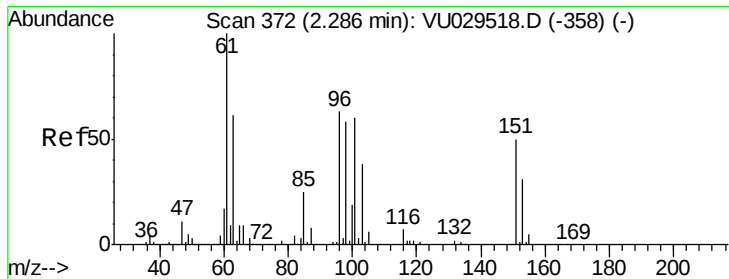
Tgt Ion: 64 Resp: 3051

Ion Ratio Lower Upper

64 100

66 5.5 22.0 40.8#





#10

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

Concen: 0.067 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

C0AL1DL

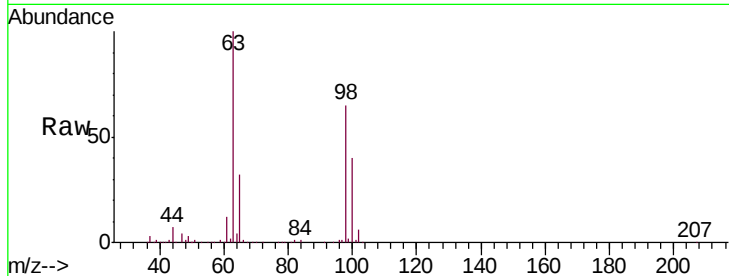
Tgt Ion: 101 Resp: 1282

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

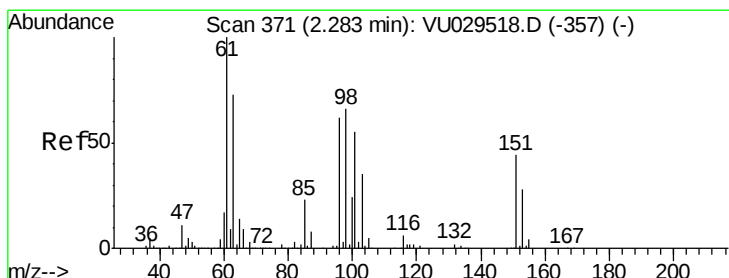
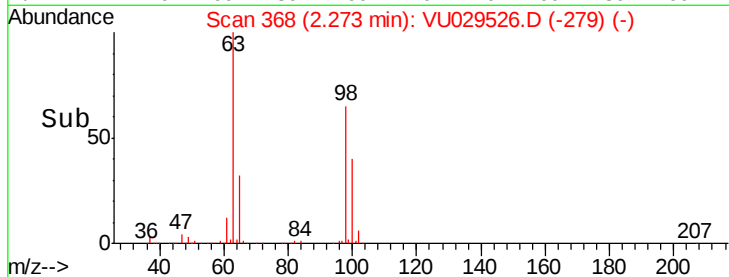
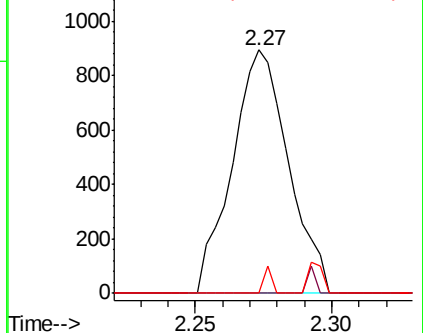
151 1.6 67.0 100.6#



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: 0.078 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

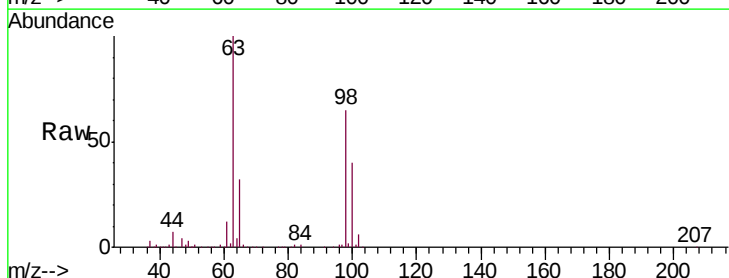
Tgt Ion: 96 Resp: 1410

Ion Ratio Lower Upper

96 100

61 1010.3 115.1 213.7#

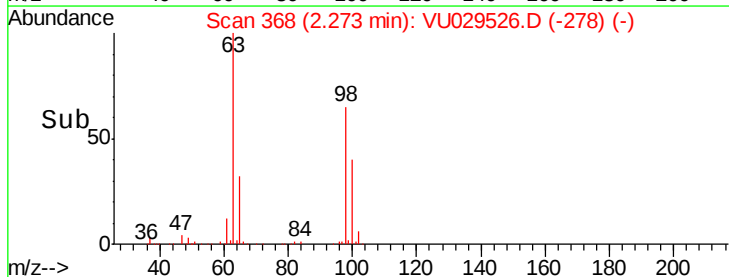
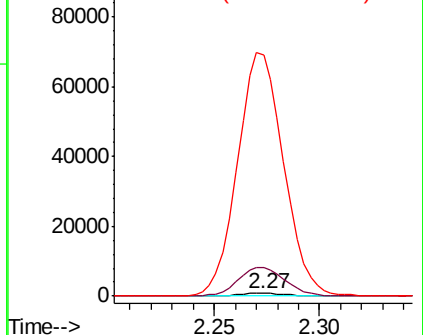
63 8486.1 83.5 155.1#

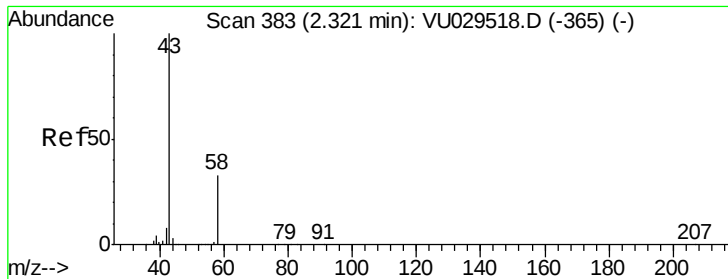


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.779 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

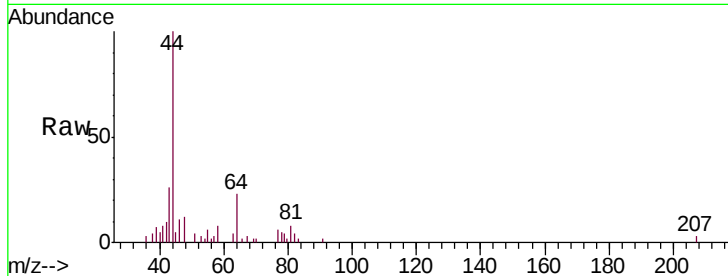
C0AL1DL

Tgt Ion: 43 Resp: 2165

Ion Ratio Lower Upper

43 100

58 39.6 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.34

1500

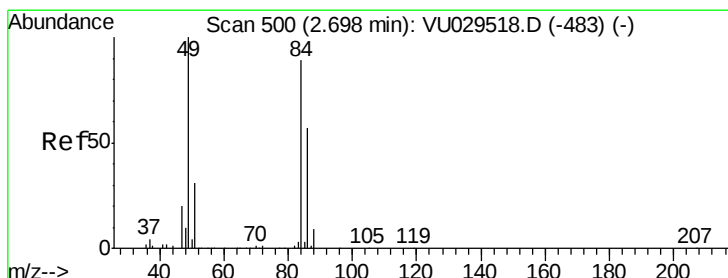
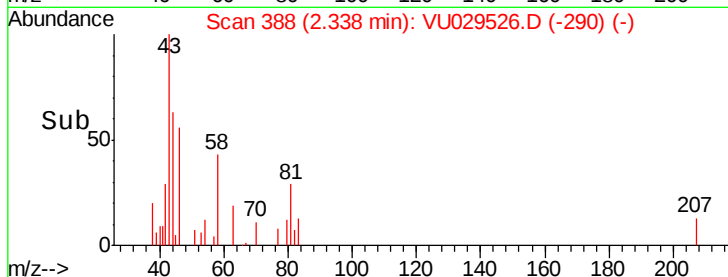
1000

500

0

Time-->

2.30 2.35 2.40



#16

Methylene chloride

Concen: 0.328 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

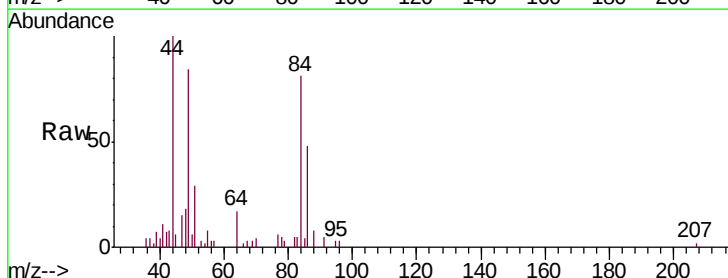
Tgt Ion: 84 Resp: 6645

Ion Ratio Lower Upper

84 100

86 58.9 45.1 83.9

49 103.8 81.8 151.8



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

5000

4000

3000

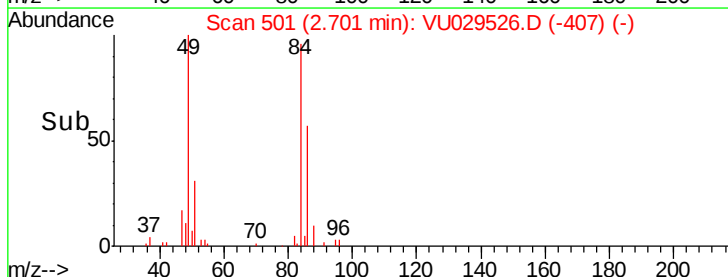
2000

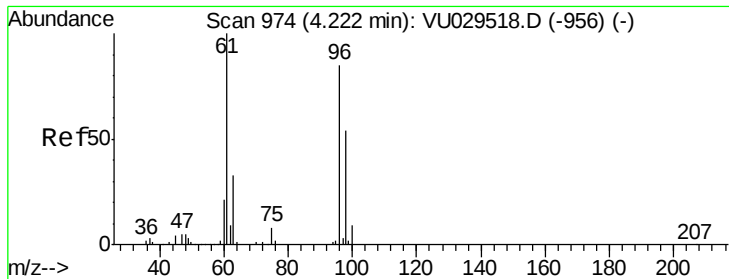
1000

0

Time-->

2.65 2.70 2.75



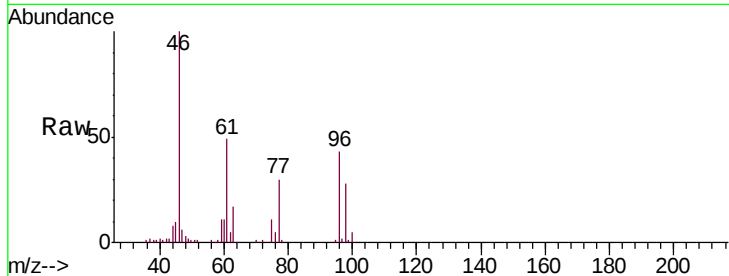


#22

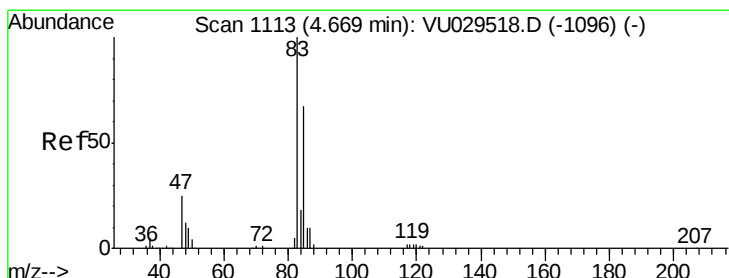
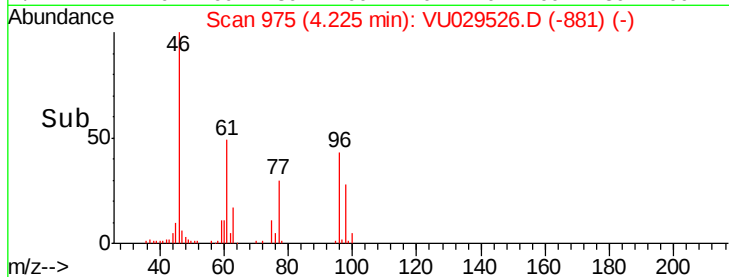
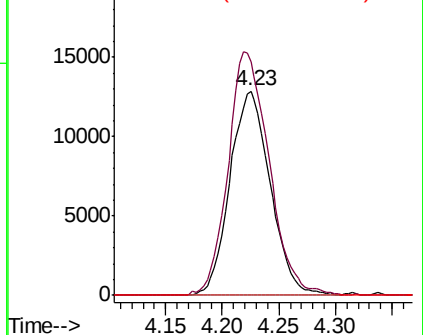
cis-1,2-Dichloroethene
 Concen: 1.811 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU029526.D
 Acq: 18 Feb 2019 13:46

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL1DL

Tgt Ion: 96 Resp: 32005
 Ion Ratio Lower Upper
 96 100
 61 114.4 79.9 148.5
 68 0.0 0.0 0.0



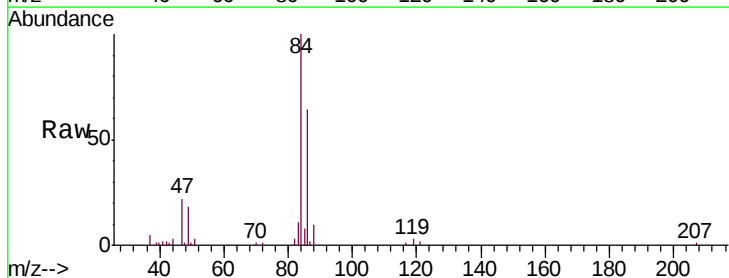
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



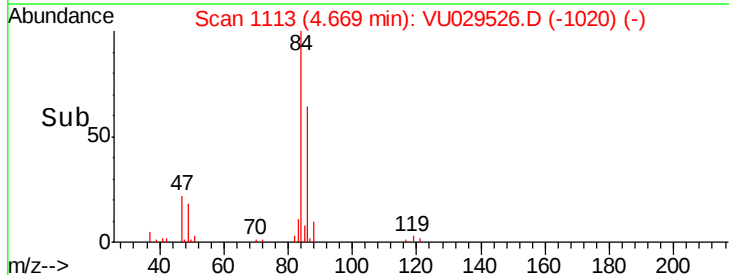
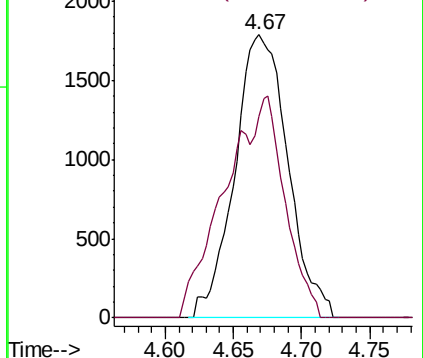
#25

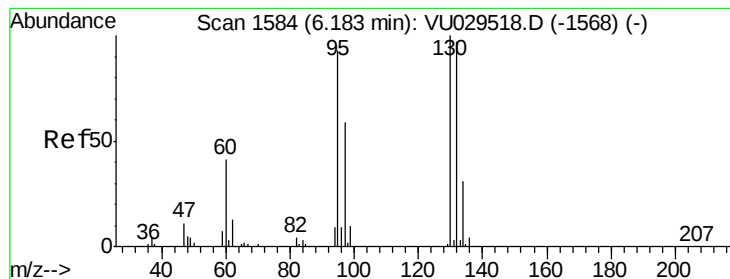
Chloroform
 Concen: 0.167 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU029526.D
 Acq: 18 Feb 2019 13:46

Tgt Ion: 83 Resp: 4849
 Ion Ratio Lower Upper
 83 100
 85 71.3 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 11.099 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

C0AL1DL

Tgt Ion: 95 Resp: 190823

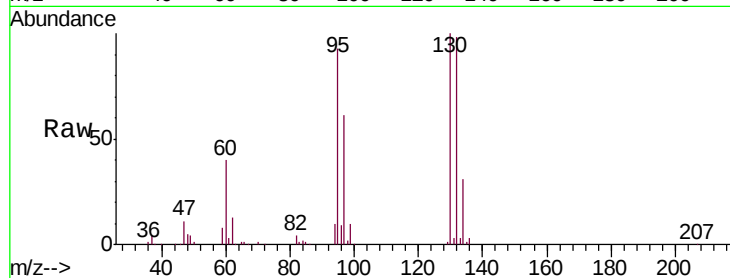
Ion Ratio Lower Upper

95 100

97 66.2 46.3 86.1

132 106.0 72.9 135.3

130 107.7 79.2 147.0

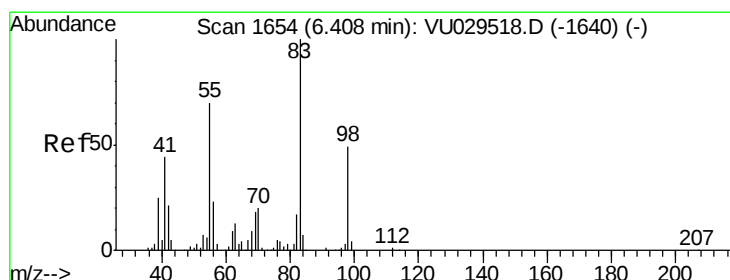
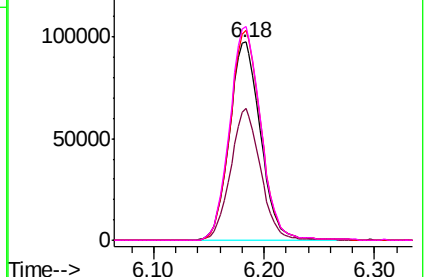
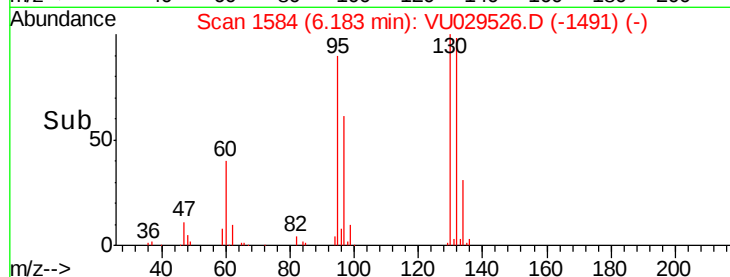


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.611 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

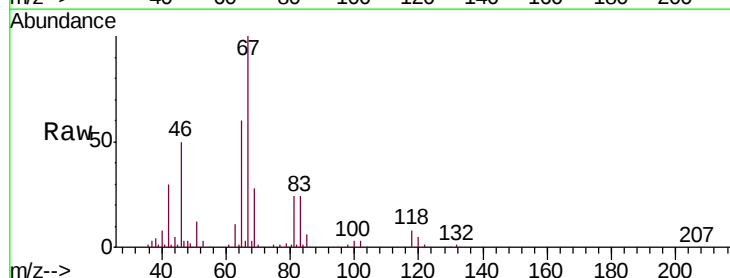
Tgt Ion: 83 Resp: 17661

Ion Ratio Lower Upper

83 100

55 0.7 55.9 83.9#

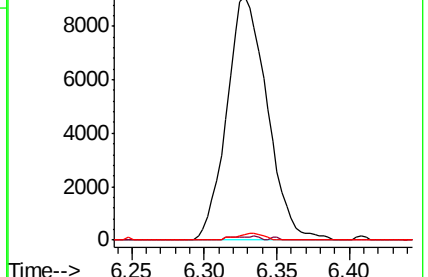
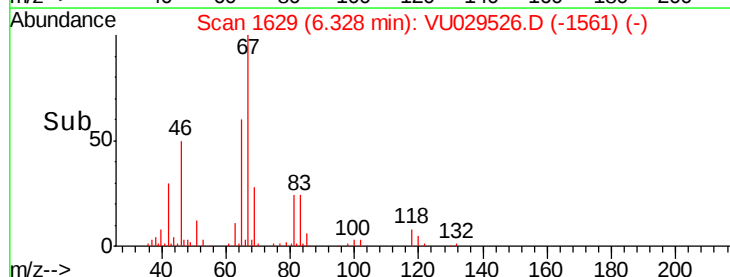
98 1.9 38.6 57.8#

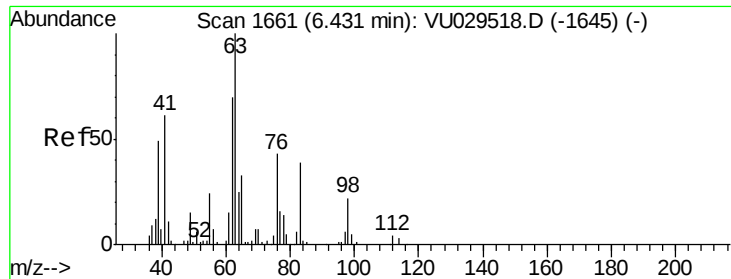


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

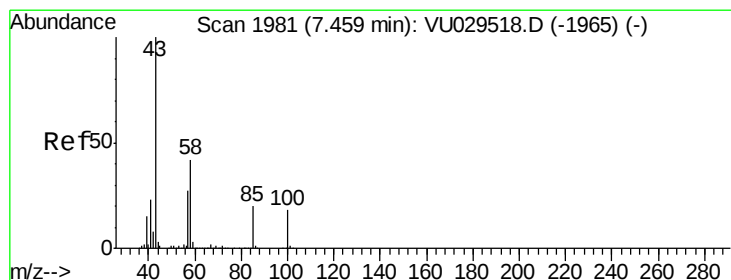
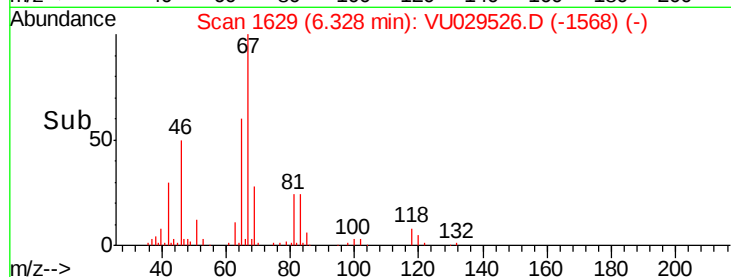
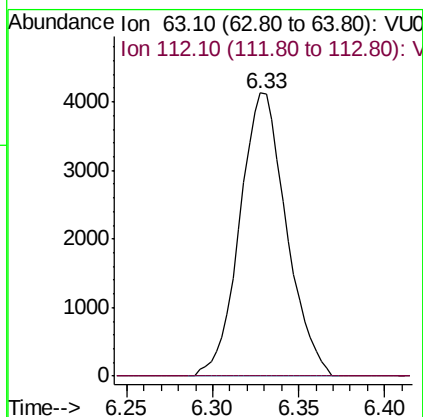
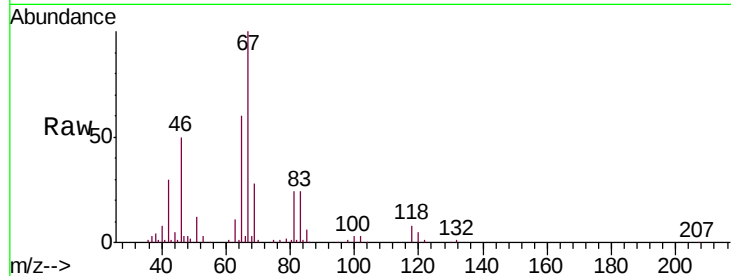




#37
 1,2-Dichloropropane
 Concen: 0.507 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029526.D
 Acq: 18 Feb 2019 13:46

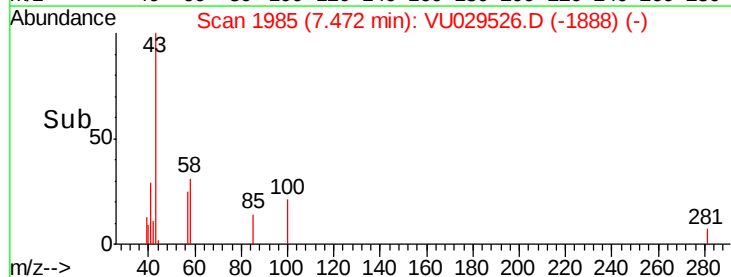
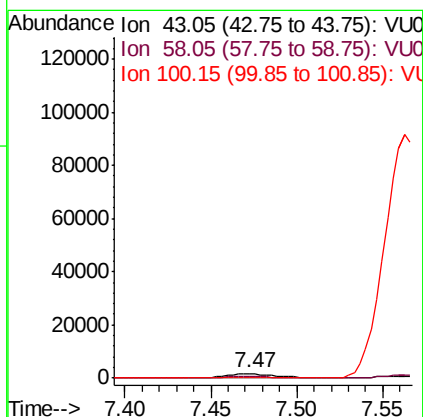
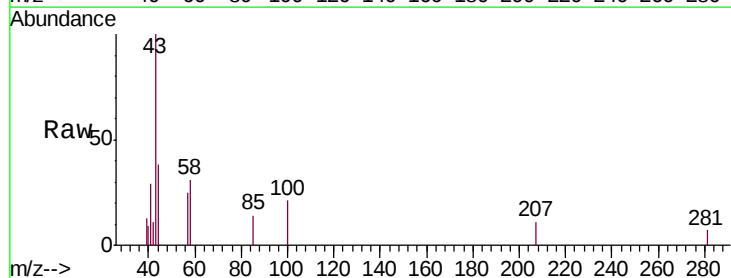
Instrument :
 MSVOA_U
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 C0AL1DL

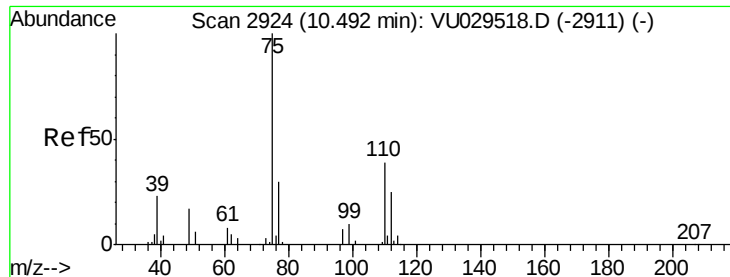
Tgt Ion: 63 Resp: 7764
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#40
 4-Methyl-2-pentanone
 Concen: 0.398 ug/L
 RT: 7.47 min Scan# 1985
 Delta R.T. 0.01 min
 Lab File: VU029526.D
 Acq: 18 Feb 2019 13:46

Tgt Ion: 43 Resp: 3515
 Ion Ratio Lower Upper
 43 100
 58 36.0 33.4 50.2
 100 0.0 14.4 21.6#





#59

1,2,3-Trichloropropane

Concen: 1.192 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

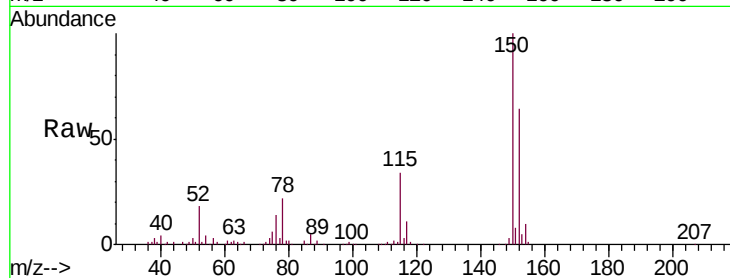
C0AL1DL

Tgt Ion: 75 Resp: 11714

Ion Ratio Lower Upper

75 100

77 37.4 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029518.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU029518.D (-2911) (-)

11.48

8000

6000

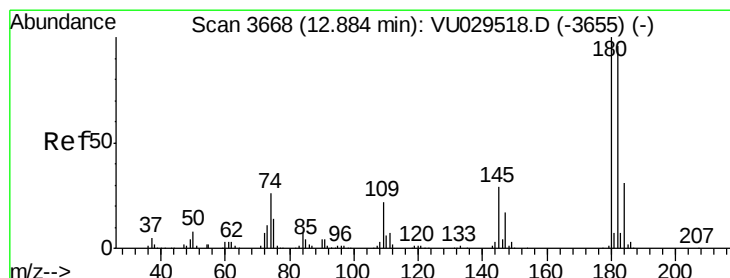
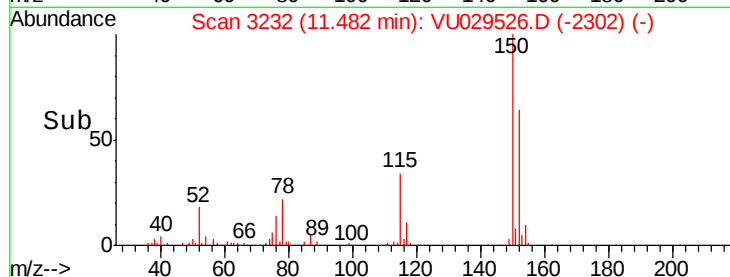
4000

2000

0

Time-->

11.40 11.45 11.50 11.55



#67

1,3,5-Trichlorobenzene

Concen: 0.071 ug/L

RT: 12.89 min Scan# 3670

Delta R.T. 0.01 min

Lab File: VU029526.D

Acq: 18 Feb 2019 13:46

Tgt Ion: 180 Resp: 2354

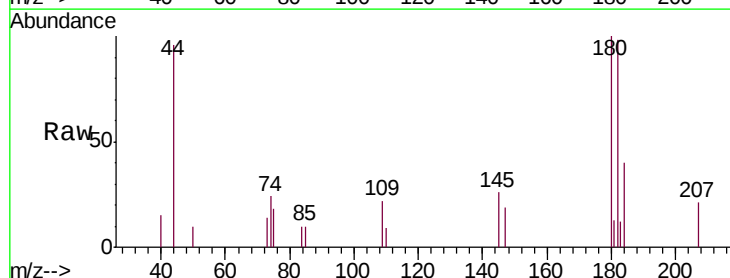
Ion Ratio Lower Upper

180 100

182 89.7 76.0 114.0

184 19.9 24.1 36.1#

145 17.9 22.6 34.0#



Abundance Ion 180.00 (179.70 to 180.70): VU029518.D (-3655) (-)

Ion 182.00 (181.70 to 182.70): VU029518.D (-3655) (-)

Ion 184.00 (183.70 to 184.70): VU029518.D (-3655) (-)

Ion 145.00 (144.70 to 145.70): VU029518.D (-3655) (-)

12.89

1500

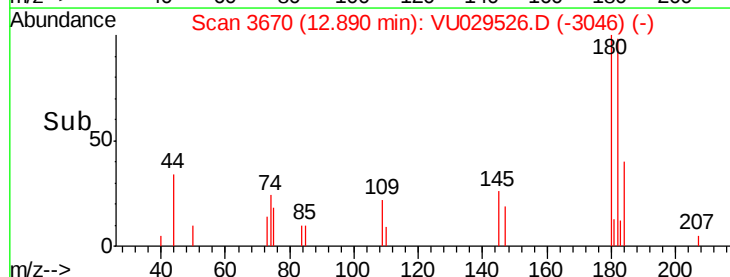
1000

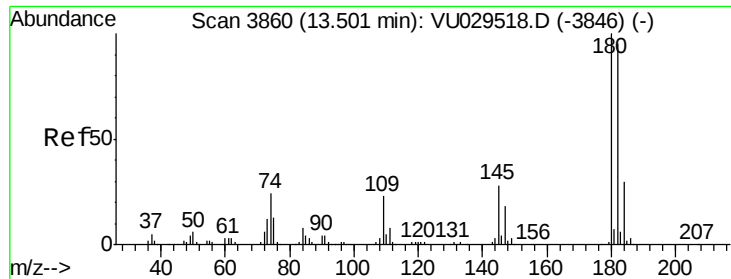
500

0

Time-->

12.85 12.90 12.95

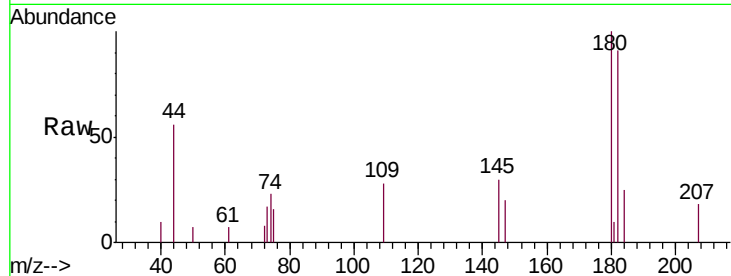




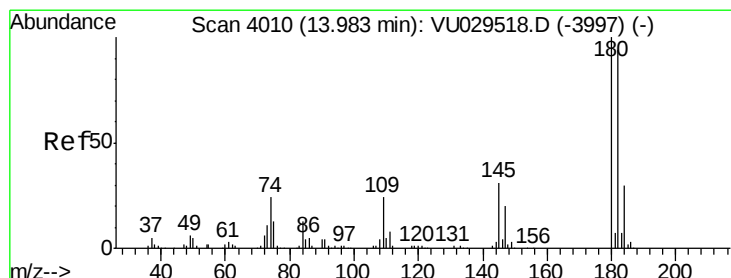
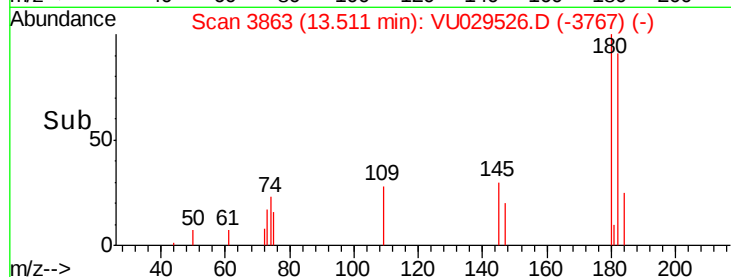
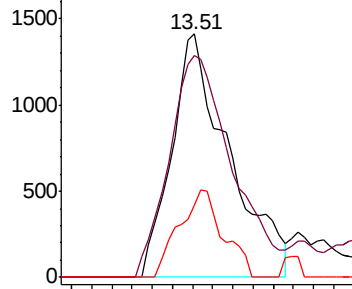
#68
 1,2,4-trichlorobenzene
 Concen: 0.101 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU029526.D
 Acq: 18 Feb 2019 13:46

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL1DL

Tgt Ion:180 Resp: 2804
 Ion Ratio Lower Upper
 180 100
 182 100.3 77.1 115.7
 145 27.7 23.1 34.7

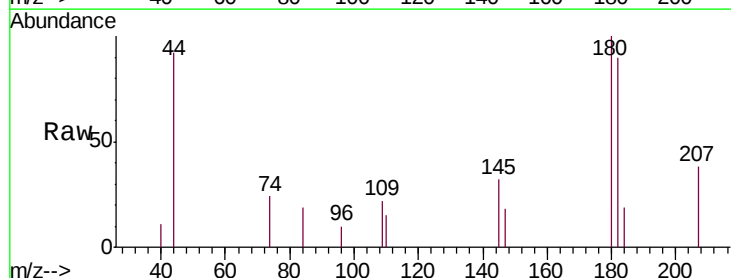


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.071 ug/L
 RT: 14.00 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: VU029526.D
 Acq: 18 Feb 2019 13:46

Tgt Ion:180 Resp: 1880
 Ion Ratio Lower Upper
 180 100
 182 113.8 75.9 113.9
 145 25.4 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

