

Data File : VU033524.D
Acq On : 31 Jul 2019 14:33
Operator : JC/SP
Sample : K4103-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9E4

Quant Time: Aug 01 07:25:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	306149	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	300976	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	140546	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	110561	49.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.34%
7) Chloroethane-d5	1.67	69	110179	57.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.38%
11) 1,1-Dichloroethene-d2	2.26	63	156977	38.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.72%
21) 2-Butanone-d5	4.16	46	183644	124.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.57%
24) Chloroform-d	4.62	84	188601	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
26) 1,2-Dichloroethane-d4	5.29	65	128705	54.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.94%
32) Benzene-d6	5.32	84	398932	53.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.94%
36) 1,2-Dichloropropane-d6	6.31	67	125986	53.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.74%
41) Toluene-d8	7.55	98	362438	51.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.68%
43) trans-1,3-Dichloropropene-	7.83	79	59091	50.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.86%
47) 2-Hexanone-d5	8.30	63	122962	110.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	193107	53.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.10%
64) 1,2-Dichlorobenzene-d4	11.85	152	140839	54.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.44%

Target Compounds

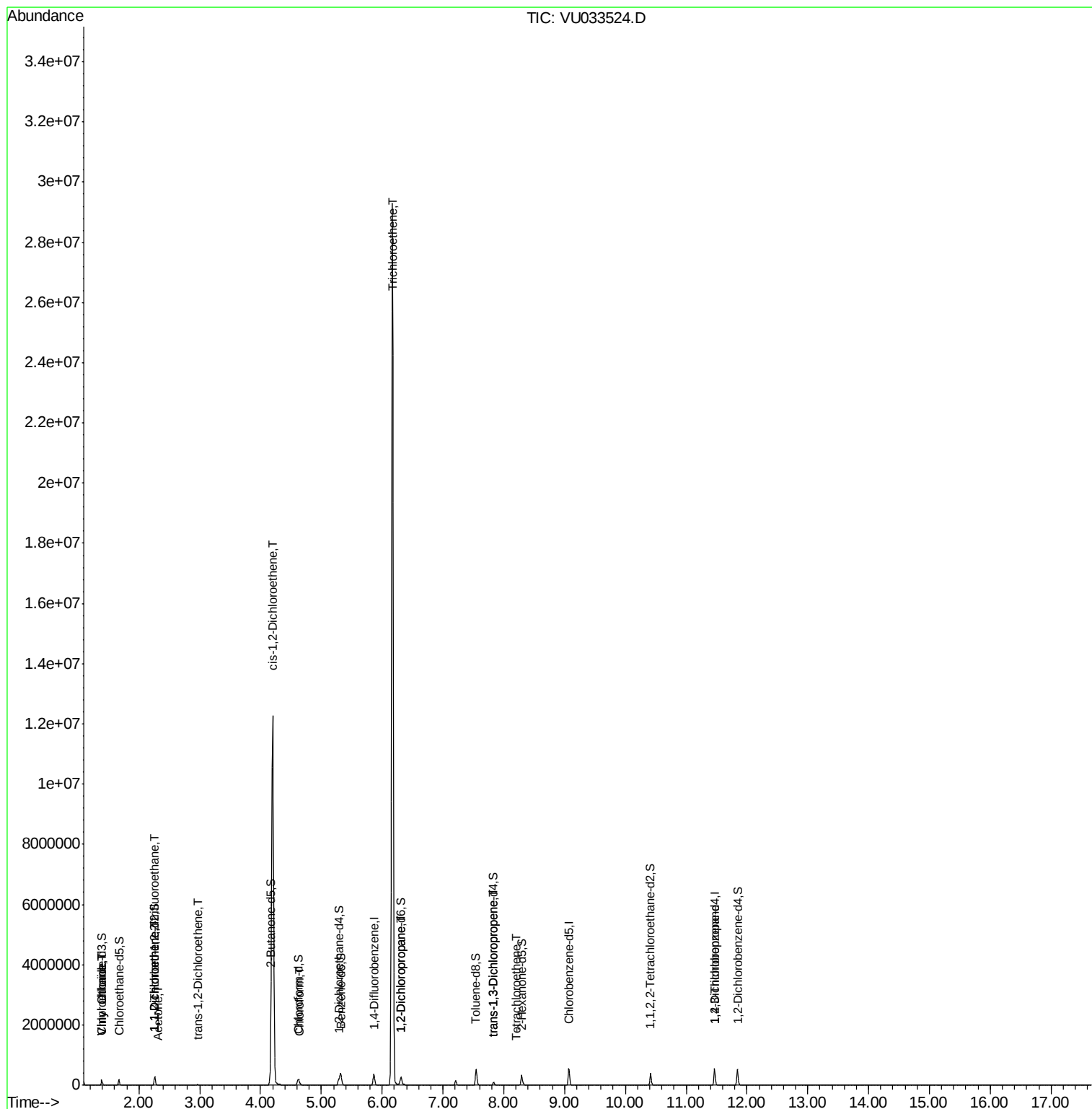
					Qvalue	
5) Vinyl chloride	1.40	62	5916	1.898	ug/L #	1
8) Chloroethane	1.39	64	5081	2.682	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1424	0.689	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	13542	6.831	ug/L #	1
13) Acetone	2.32	43	908	0.602	ug/L	84
17) trans-1,2-Dichloroethene	2.97	96	6475	3.117	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	6677781	2864.242	ug/L	99
25) Chloroform	4.65	83	5442	1.326	ug/L	98
34) Trichloroethene	6.17	95	9675789	4224.569	ug/L	96
37) 1,2-Dichloropropane	6.31	63	13749	5.916	ug/L #	90
44) trans-1,3-Dichloropropene	7.83	75	2811	0.857	ug/L	99
46) Tetrachloroethene	8.21	164	931	0.498	ug/L	91
59) 1,2,3-Trichloropropane	11.47	75	16616	5.416	ug/L	93

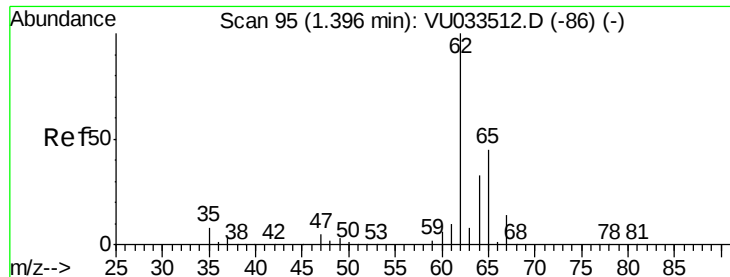
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.898 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

Instrument :

MSVOA_U

ClientSampleId :

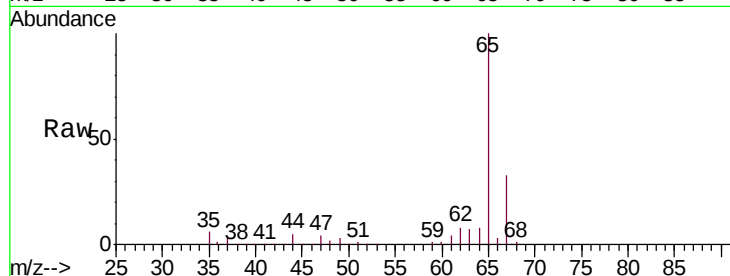
DB9E4

Tgt Ion: 62 Resp: 5916

Ion Ratio Lower Upper

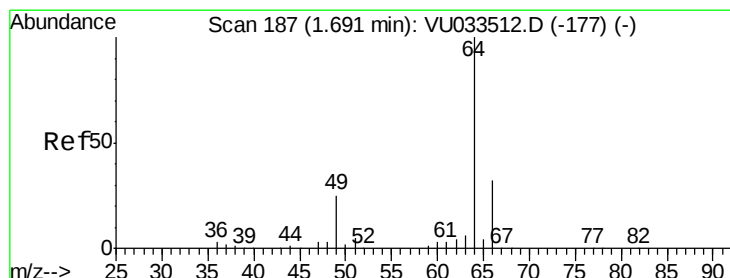
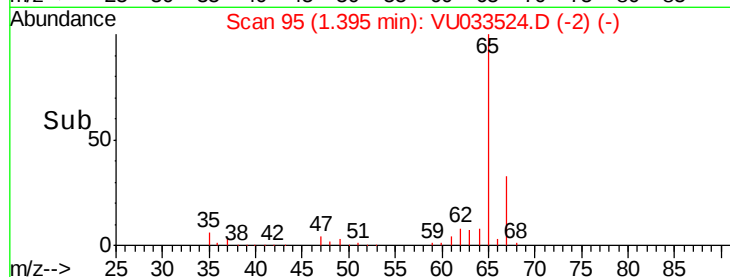
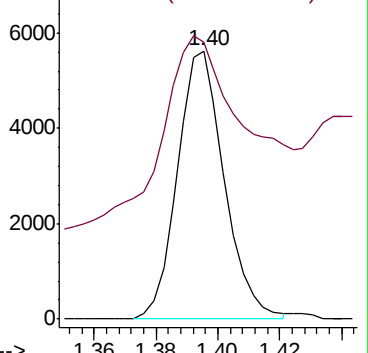
62 100

64 103.1 23.4 43.4#



Abundance Ion 62.00 (61.70 to 62.70): VU033512.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033512.D (-86) (-)



#8

Chloroethane

Concen: 2.682 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.30 min

Lab File: VU033524.D

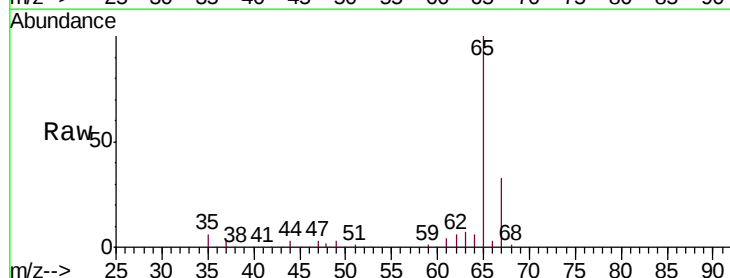
Acq: 31 Jul 2019 14:33

Tgt Ion: 64 Resp: 5081

Ion Ratio Lower Upper

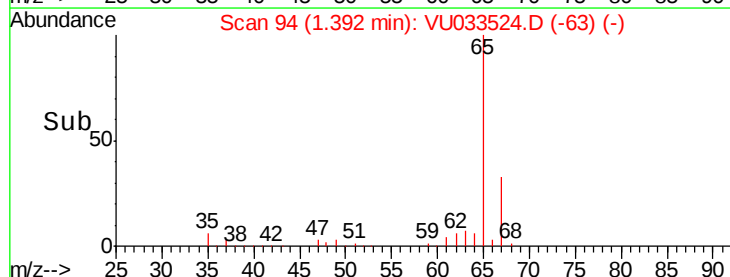
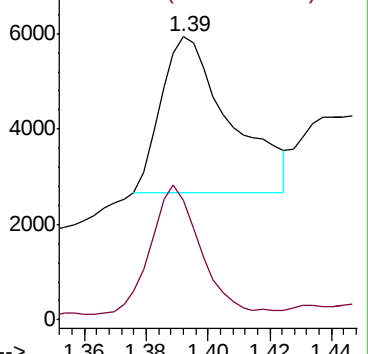
64 100

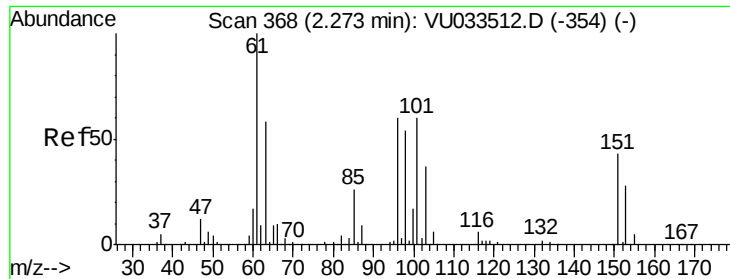
66 42.3 21.1 39.3#



Abundance Ion 64.00 (63.70 to 64.70): VU033512.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU033512.D (-177) (-)





#10

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

Concen: 0.689 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

Instrument :

MSVOA_U

ClientSampleId :

DB9E4

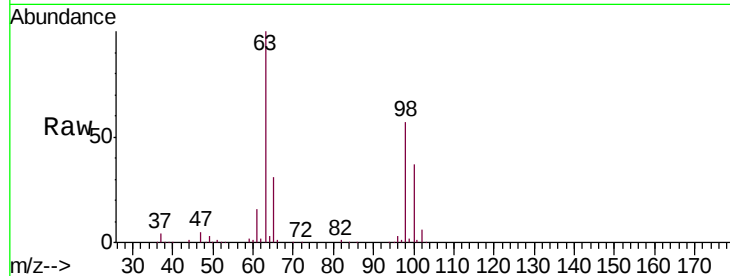
Tgt Ion: 101 Resp: 1424

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 60.1 90.1#



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

1200

1000

800

600

400

200

0

2.22

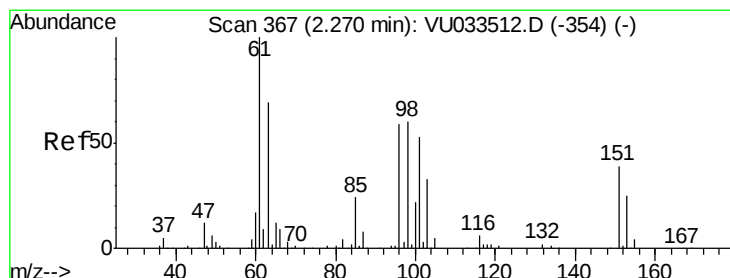
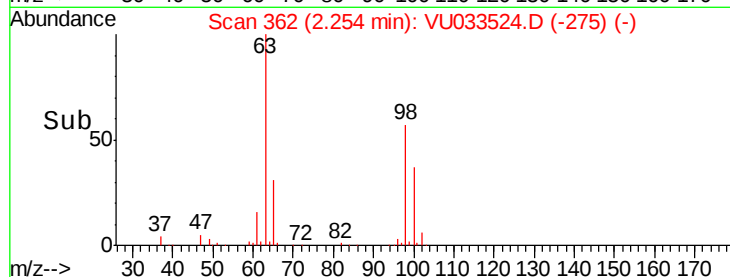
2.24

2.25

2.26

2.28

Time-->



#12

1,1-Dichloroethene

Concen: 6.831 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

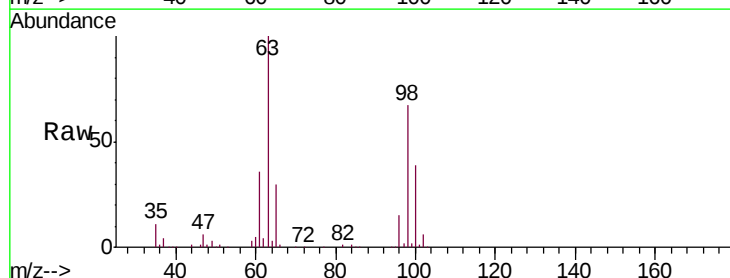
Tgt Ion: 96 Resp: 13542

Ion Ratio Lower Upper

96 100

61 234.0 119.3 221.5#

63 652.4 86.6 160.8#



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

100000

50000

0

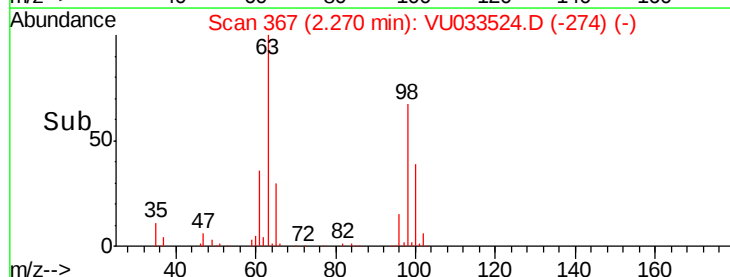
2.20

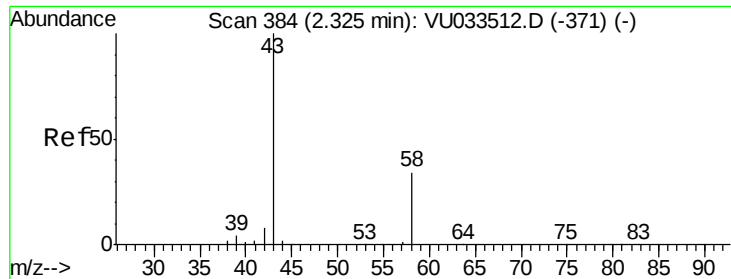
2.25

2.27

2.30

Time-->





#13

Acetone

Concen: 0.602 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

Instrument :

MSVOA_U

ClientSampleId :

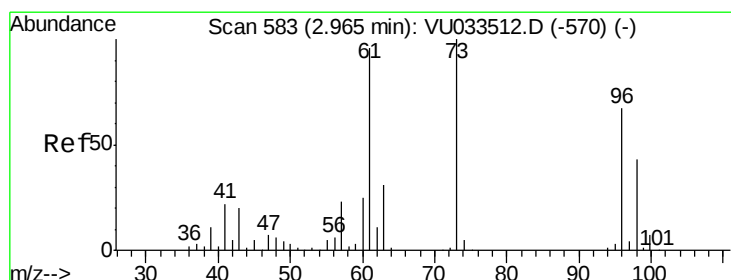
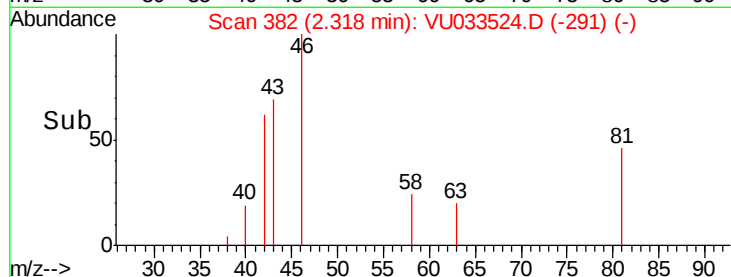
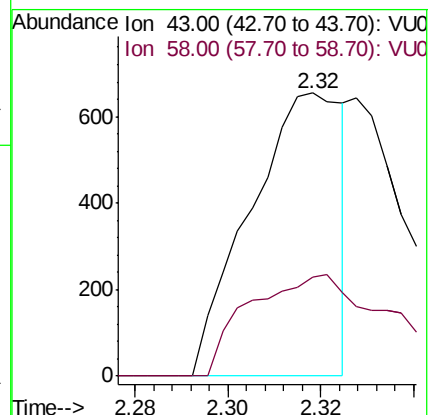
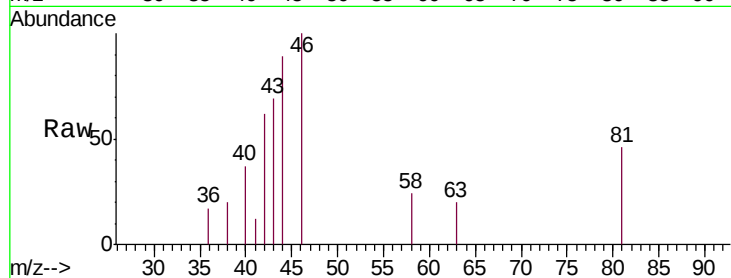
DB9E4

Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

58 42.2 0.0 66.2



#17

trans-1,2-Dichloroethene

Concen: 3.117 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

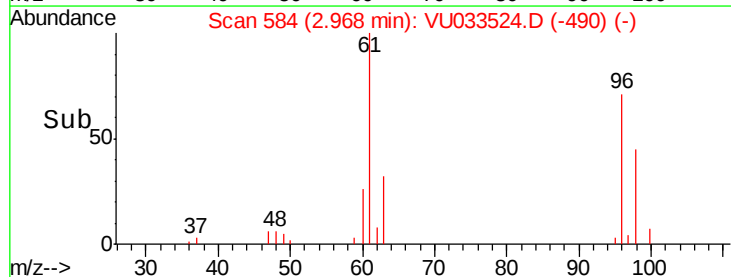
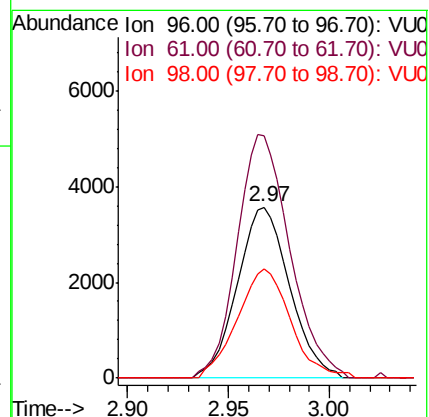
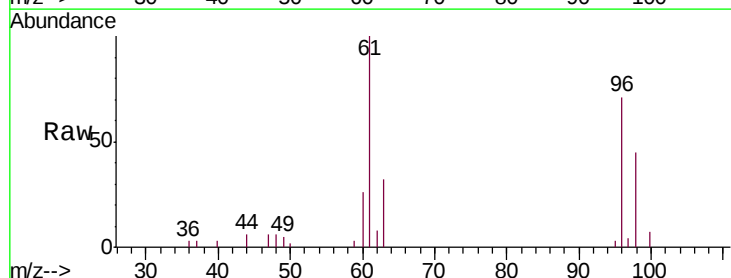
Tgt Ion: 96 Resp: 6475

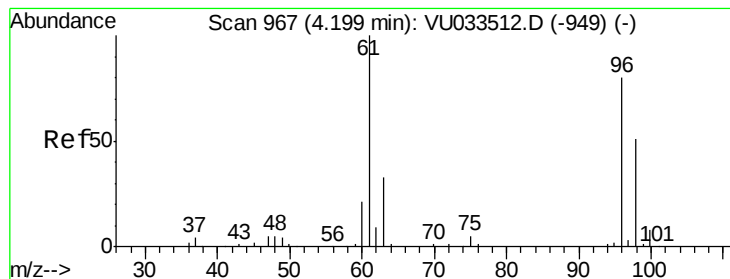
Ion Ratio Lower Upper

96 100

61 141.6 98.3 182.5

98 63.9 44.3 82.3



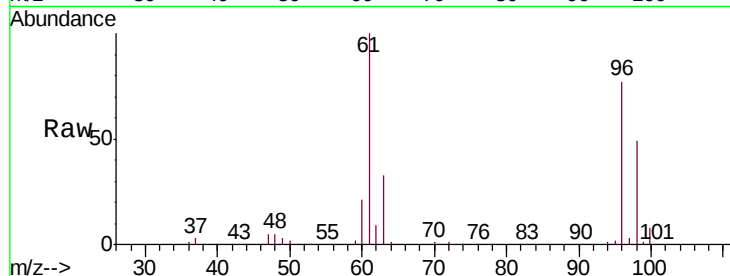


#20

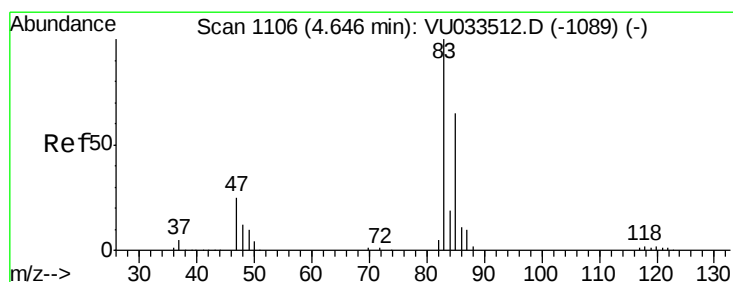
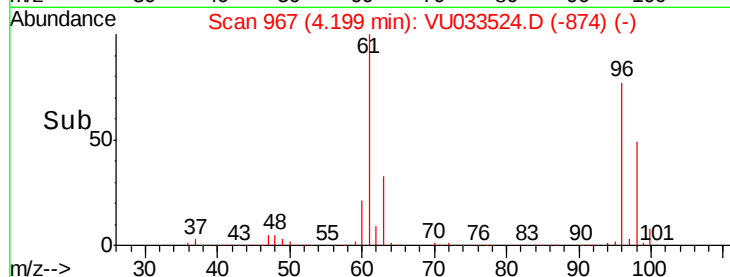
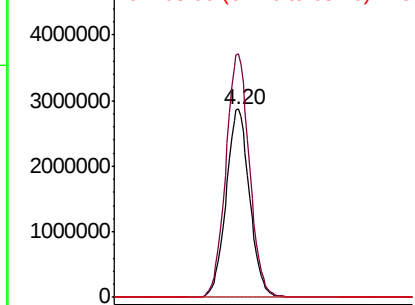
cis-1,2-Dichloroethene
 Concen: 2864.242 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033524.D
 Acq: 31 Jul 2019 14:33

Instrument :
 MSVOA_U
 ClientSampleID :
 DB9E4

Tgt Ion: 96 Resp: 6677781
 Ion Ratio Lower Upper
 96 100
 61 129.5 91.3 169.6
 68 0.0 0.0 0.0



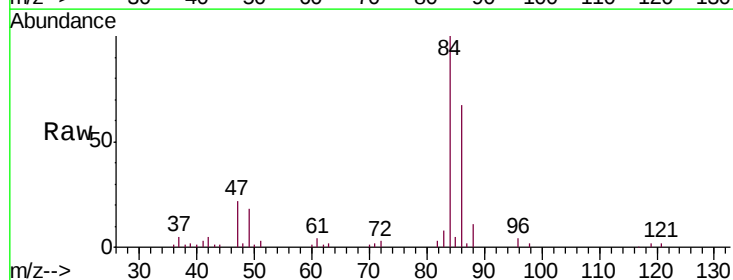
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



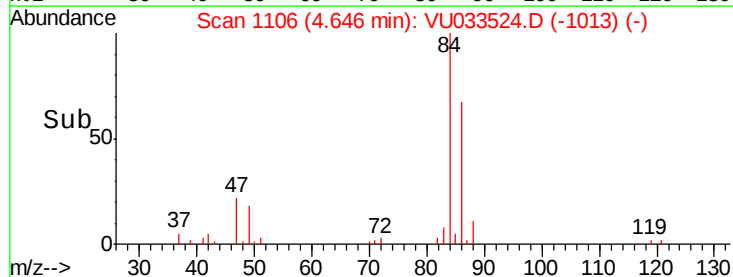
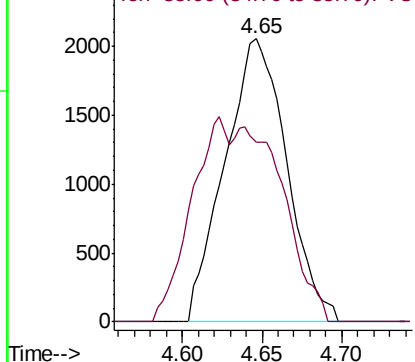
#25

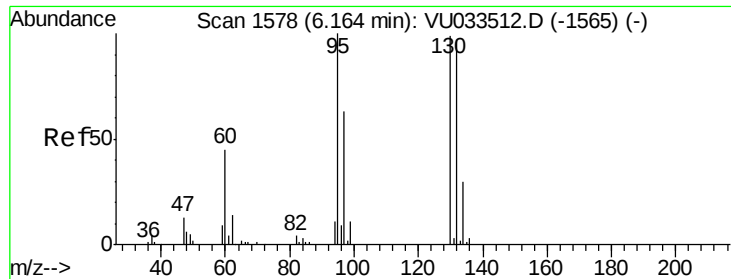
Chloroform
 Concen: 1.326 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VU033524.D
 Acq: 31 Jul 2019 14:33

Tgt Ion: 83 Resp: 5442
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

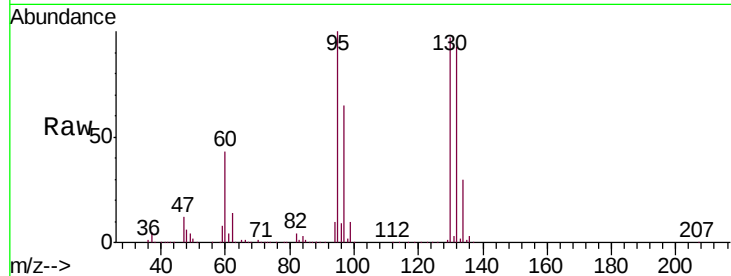




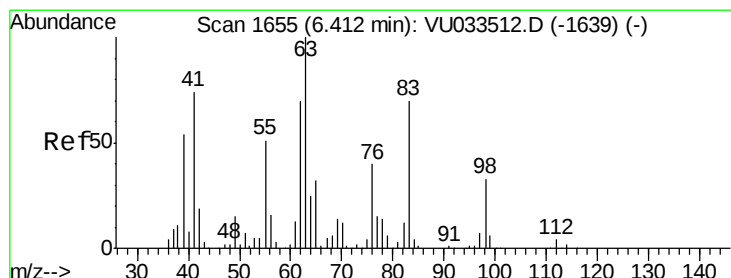
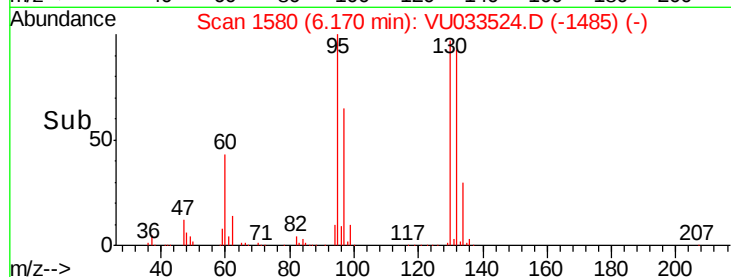
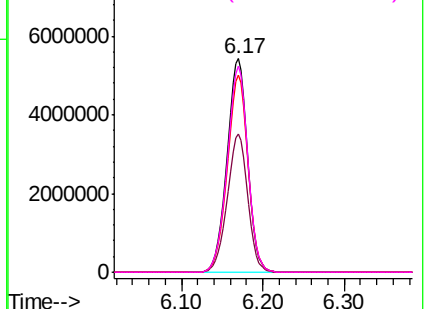
#34
 Trichloroethene
 Concen: 4224.569 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VU033524.D
 Acq: 31 Jul 2019 14:33

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9E4

Tgt Ion: 95 Resp: 9675789
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.7 83.1
 132 92.5 66.8 124.0
 130 96.6 71.6 133.0

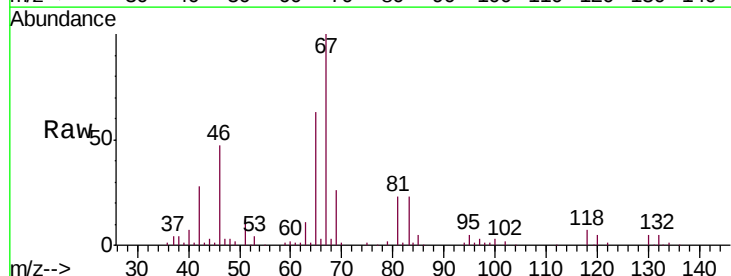


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

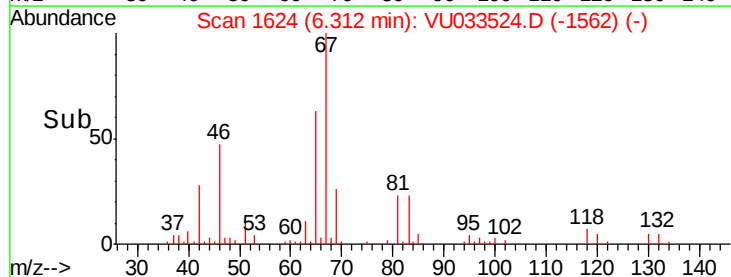
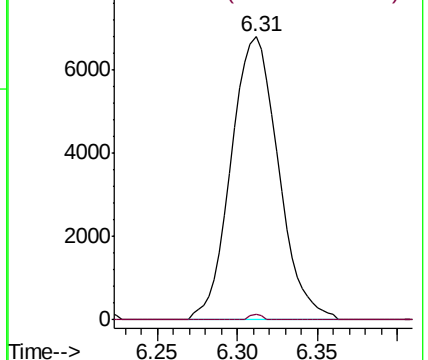


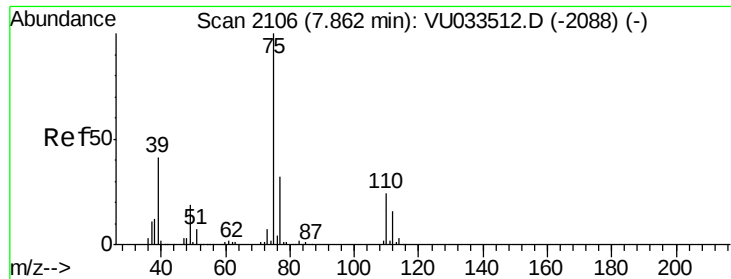
#37
 1,2-Dichloropropane
 Concen: 5.916 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU033524.D
 Acq: 31 Jul 2019 14:33

Tgt Ion: 63 Resp: 13749
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V





#44

trans-1,3-Dichloropropene

Concen: 0.857 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033524.D

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Instrument :

MSVOA_U

ClientSampleId :

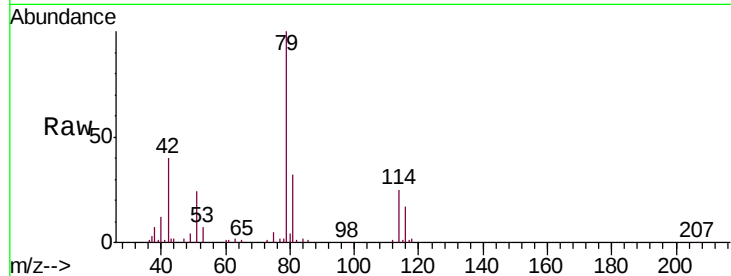
DB9E4

Tgt Ion: 75 Resp: 2811

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU033512.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033512.D (-2088) (-)

7.83

1500

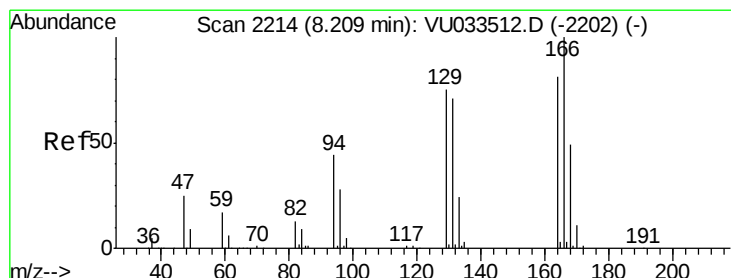
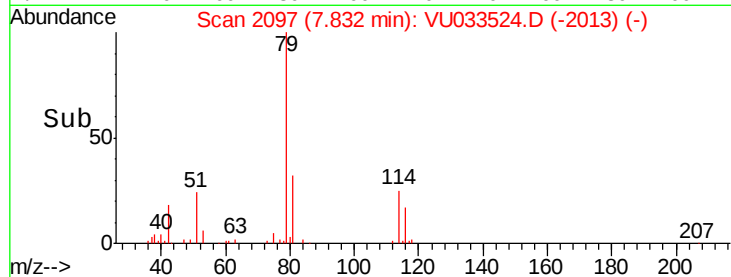
1000

500

0

7.80 7.85

Time-->



#46

Tetrachloroethene

Concen: 0.498 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

Tgt Ion: 164 Resp: 931

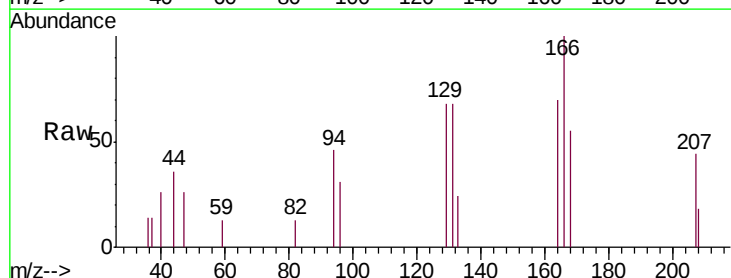
Ion Ratio Lower Upper

164 100

129 96.9 65.5 121.7

131 96.8 63.3 117.7

166 142.0 88.2 163.8



Abundance Ion 164.00 (163.70 to 164.70): VU033512.D (-2202) (-)

Ion 129.00 (128.70 to 129.70): VU033512.D (-2202) (-)

Ion 131.00 (130.70 to 131.70): VU033512.D (-2202) (-)

Ion 166.00 (165.70 to 166.70): VU033512.D (-2202) (-)

8.21

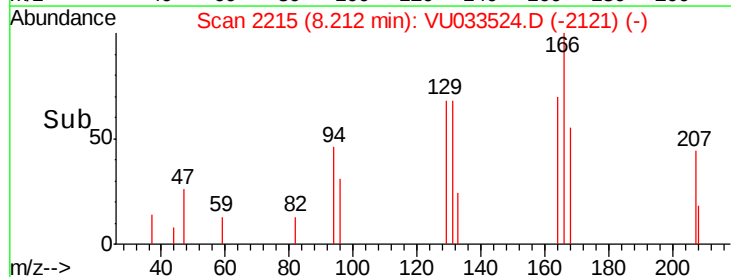
1000

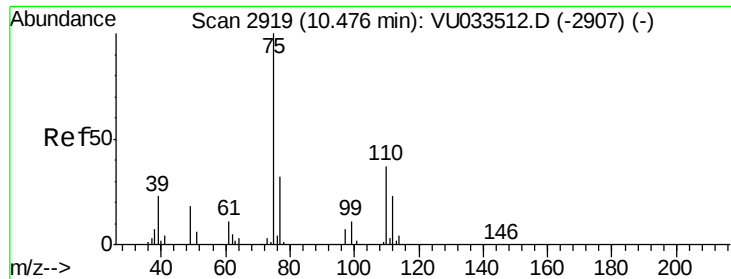
500

0

8.18 8.20 8.22 8.24

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.416 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

Instrument :

MSVOA_U

ClientSampleId :

DB9E4

Tgt Ion: 75 Resp: 16616

Ion Ratio Lower Upper

75 100

77 36.3 25.8 38.6

