

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
 Data File : VU026354.D
 Acq On : 24 Aug 2018 23:18
 Operator : MD/SY
 Sample : J4644-14 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 04:29:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	287339	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	277062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	133556	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75168	42.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.78%
7) Chloroethane-d5	1.68	69	61269	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.74%
11) 1,1-Dichloroethene-d2	2.27	63	112623	32.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.38%
21) 2-Butanone-d5	4.18	46	151625	108.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.40%
24) Chloroform-d	4.65	84	176255	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.24%
26) 1,2-Dichloroethane-d4	5.31	65	119332	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
32) Benzene-d6	5.34	84	344457	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
36) 1,2-Dichloropropane-d6	6.33	67	112111	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.22%
41) Toluene-d8	7.57	98	304382	42.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.92%
43) trans-1,3-Dichloropropene-	7.85	79	52113	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.76%
47) 2-Hexanone-d5	8.31	63	104376	102.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	169133	48.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	134158	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

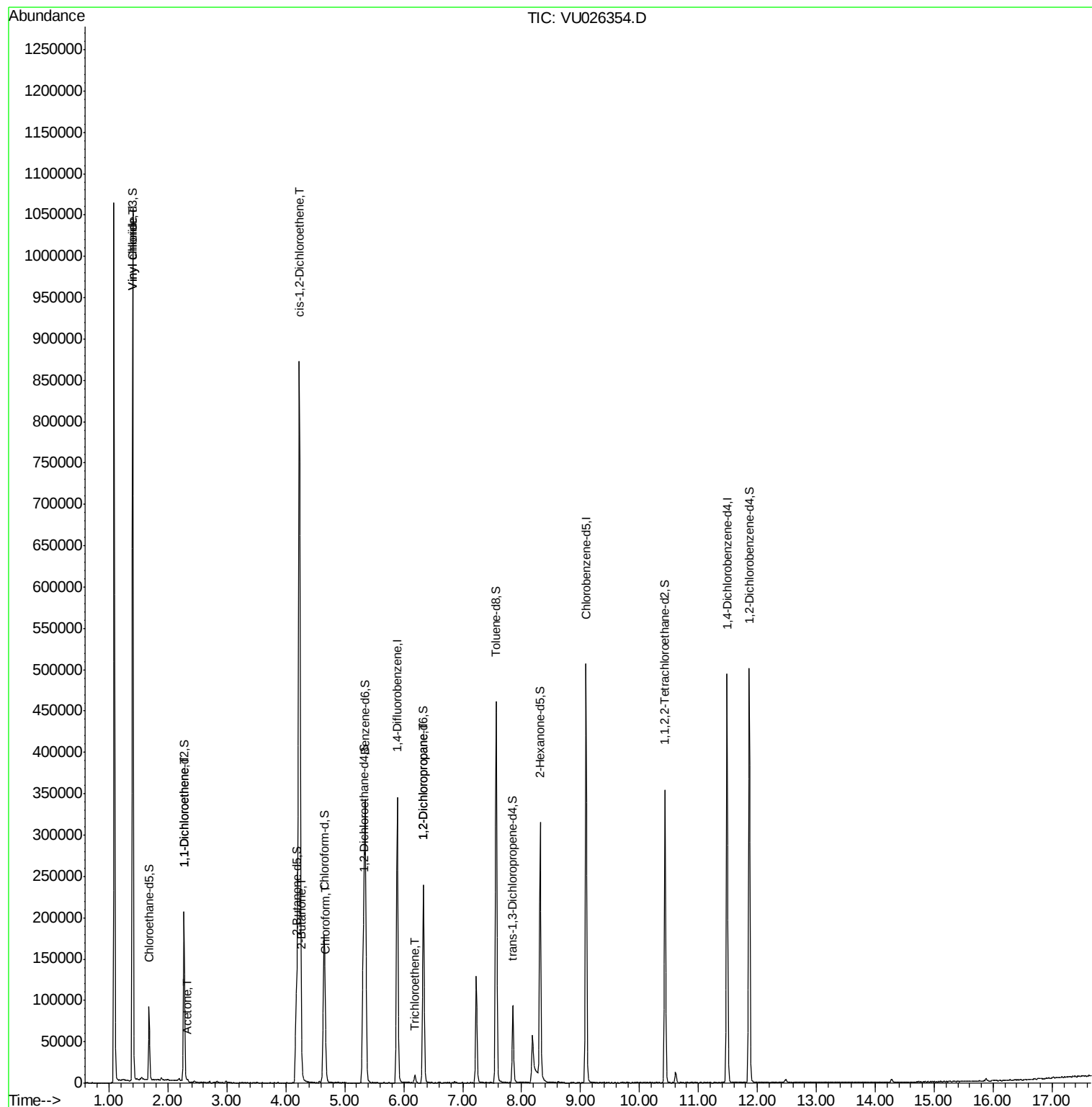
					Ovalue
5) Vinyl chloride	1.40	62	589929	281.475 ug/L	95
12) 1,1-Dichloroethene	2.28	96	2062	1.363 ug/L #	1
13) Acetone	2.33	43	1740	1.607 ug/L	91
20) cis-1,2-Dichloroethene	4.23	96	493494	239.840 ug/L	100
22) 2-Butanone	4.27	43	4784	3.303 ug/L #	49
25) Chloroform	4.68	83	7268	2.006 ug/L	92
34) Trichloroethene	6.19	95	3260	1.632 ug/L	85
37) 1,2-Dichloropropane	6.33	63	13141	6.366 ug/L #	89

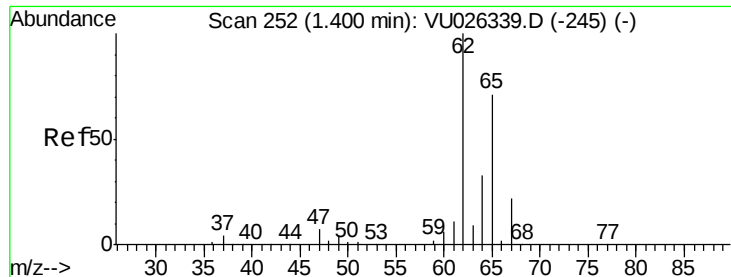
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Aug 25 04:25:01 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 281.475 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026354.D

Acq: 24 Aug 2018 23:18

Instrument :

MSVOA_U

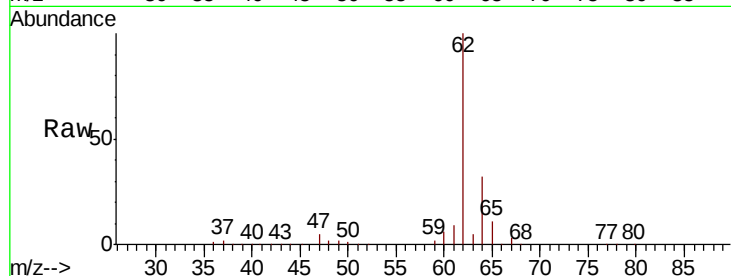
ClientSampleId :

Tot Ion: 62 Resp: 589929

Ion Ratio Lower Upper

62 100

64 31.8 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

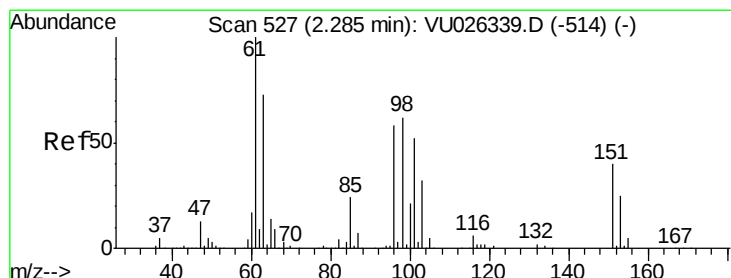
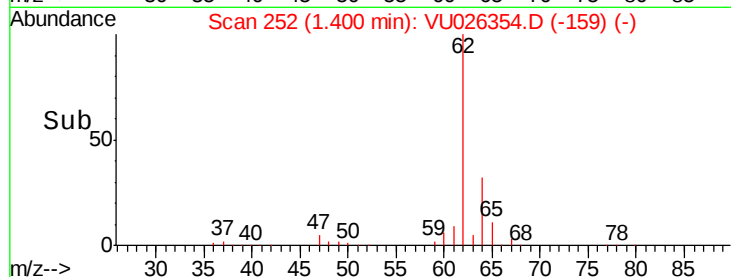
600000

400000

200000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.363 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU026354.D

Acq: 24 Aug 2018 23:18

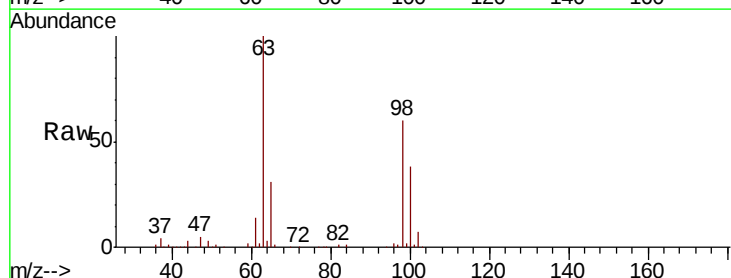
Tgt Ion: 96 Resp: 2062

Ion Ratio Lower Upper

96 100

61 692.4 124.7 231.5#

63 4993.9 93.7 174.1#



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

80000

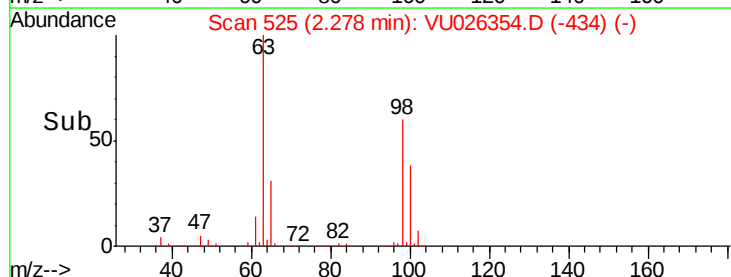
60000

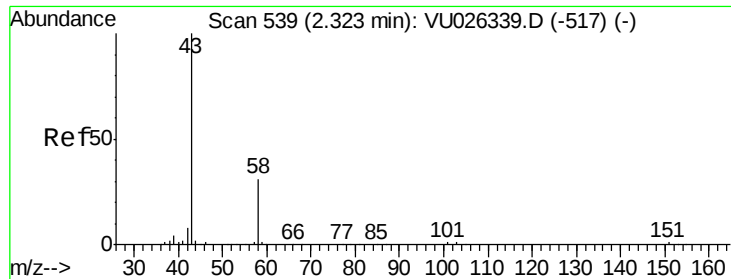
40000

20000

0

Time-->





#13

Acetone

Concen: 1.607 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU026354.D

Acq: 24 Aug 2018 23:18

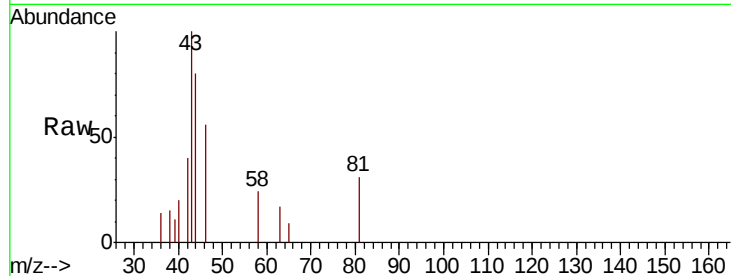
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1740

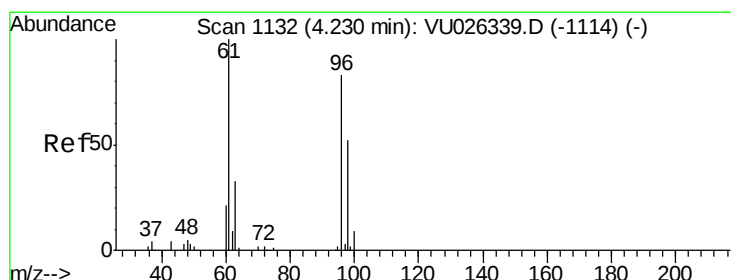
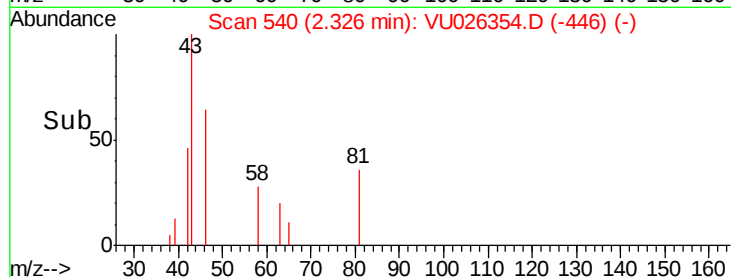
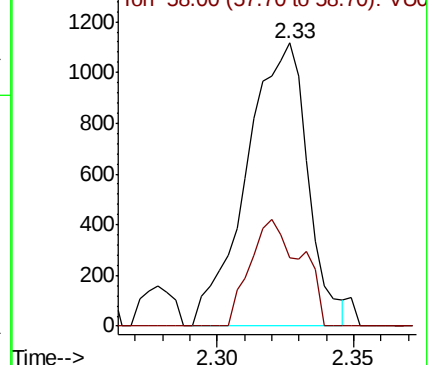
Ion Ratio Lower Upper

43 100

58 25.7 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 239.840 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026354.D

Acq: 24 Aug 2018 23:18

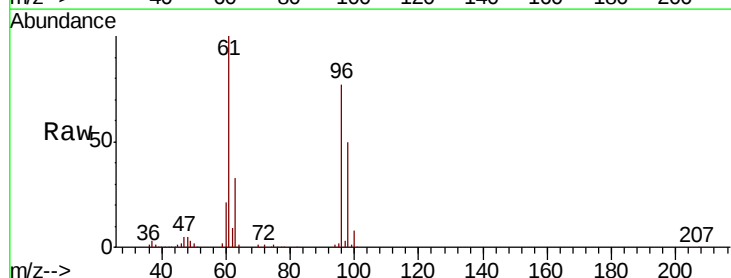
Tgt Ion: 96 Resp: 493494

Ion Ratio Lower Upper

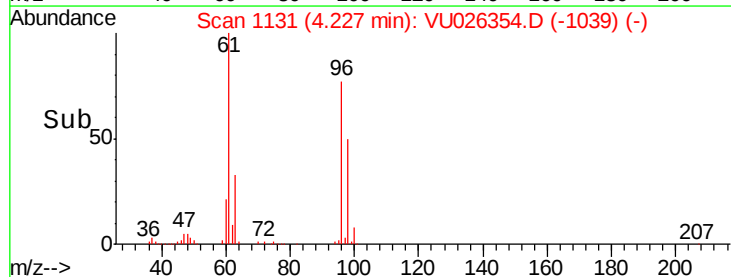
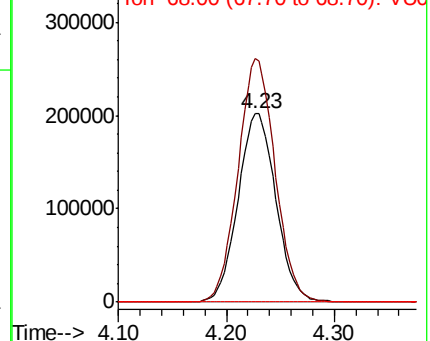
96 100

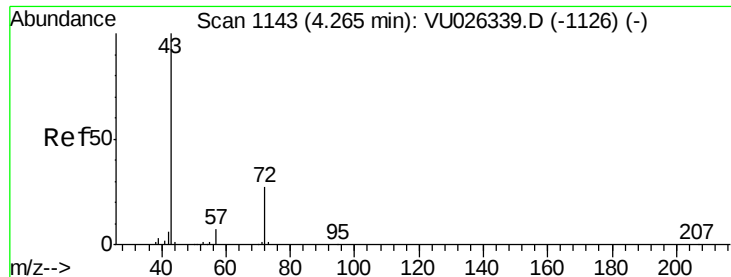
61 129.3 90.3 167.7

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: 3.303 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026354.D

Acq: 24 Aug 2018 23:18

Instrument :

MSVOA_U

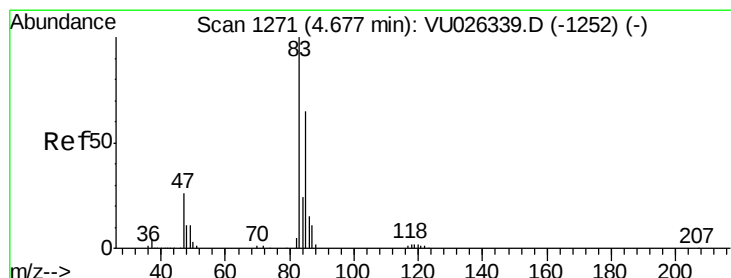
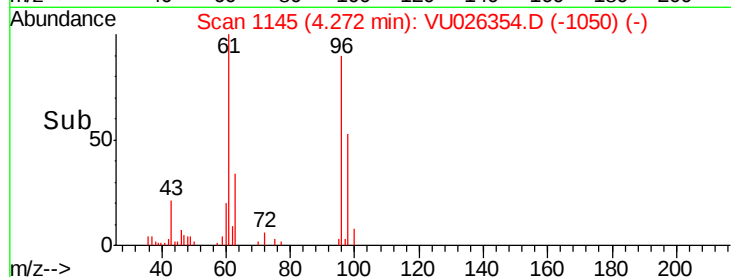
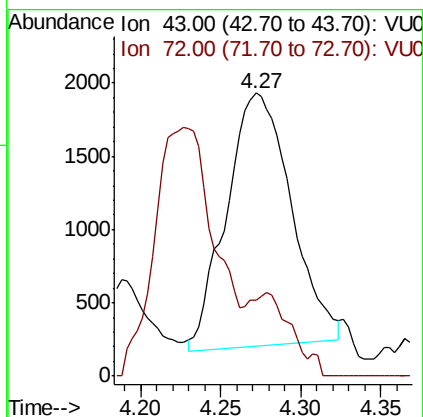
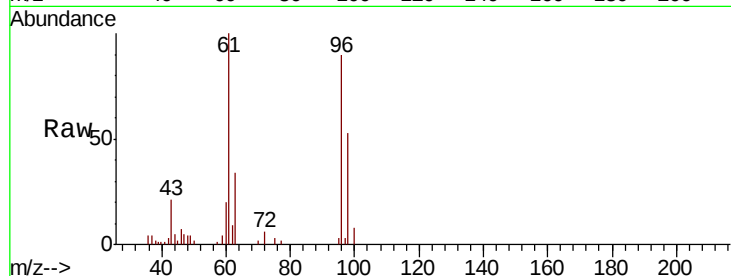
ClientSampleId :

Tot Ion: 43 Resp: 4784

Ion Ratio Lower Upper

43 100

72 1.2 14.1 42.3#



#25

Chloroform

Concen: 2.006 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU026354.D

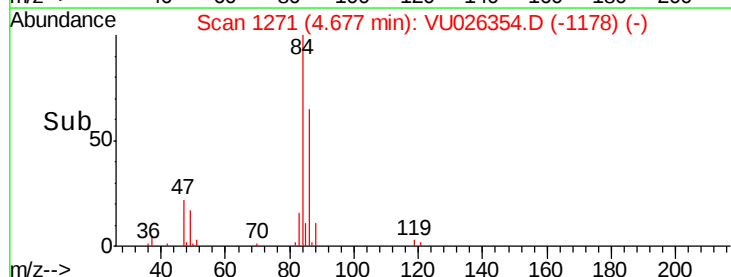
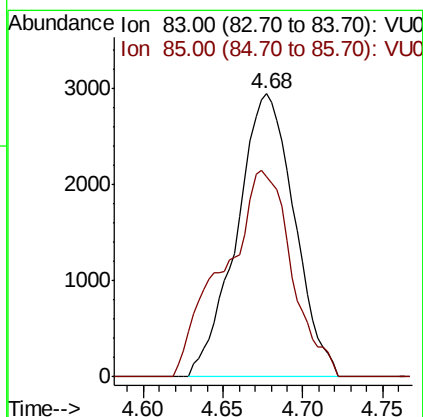
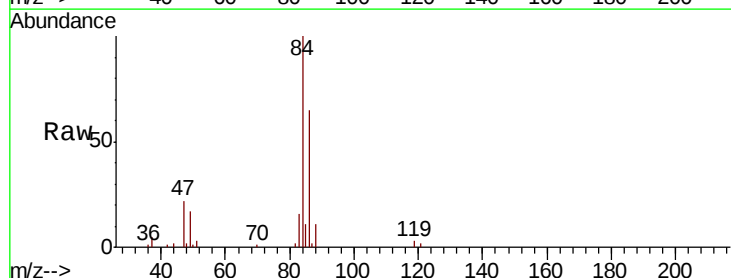
Acq: 24 Aug 2018 23:18

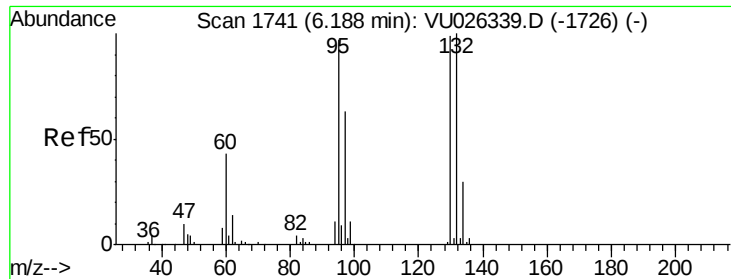
Tgt Ion: 83 Resp: 7268

Ion Ratio Lower Upper

83 100

85 70.6 45.0 83.6





#34

Trichloroethene

Concen: 1.632 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026354.D

Acq: 24 Aug 2018 23:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 3260

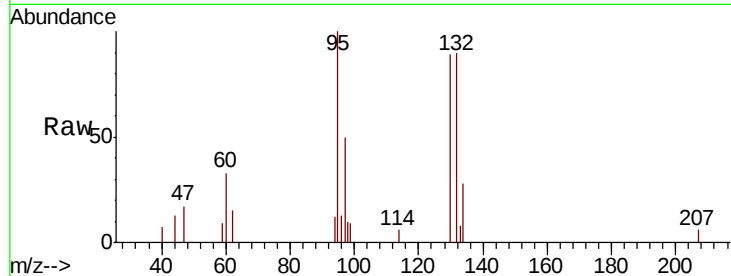
Ion Ratio Lower Upper

95 100

97 50.1 47.2 87.6

132 90.4 70.2 130.4

130 88.5 73.4 136.4

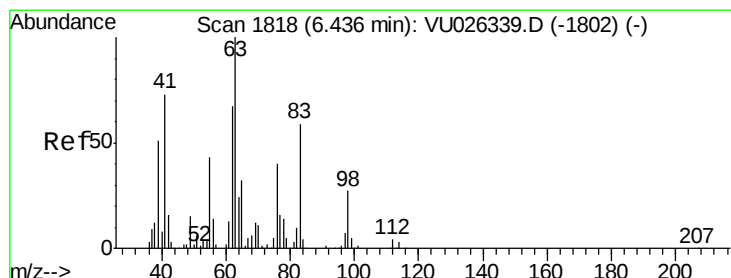
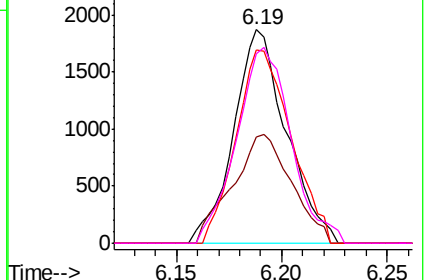
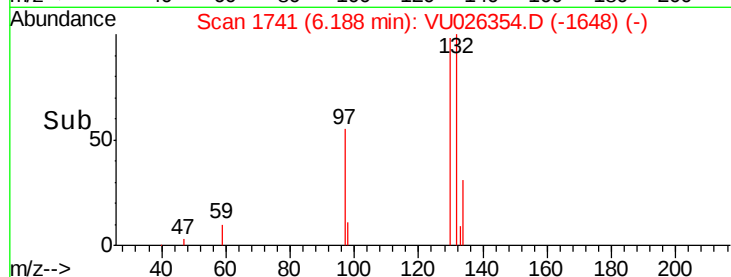


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 6.366 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU026354.D

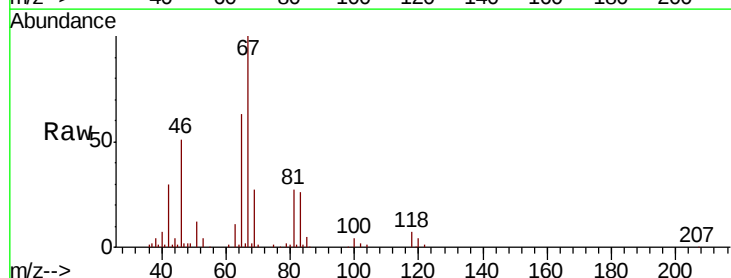
Acq: 24 Aug 2018 23:18

Tgt Ion: 63 Resp: 13141

Ion Ratio Lower Upper

63 100

112 0.6 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

