

Data File : VU026952.D
Acq On : 20 Sep 2018 22:46
Operator : MD/SY
Sample : J5012-09 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08M9

Quant Time: Sep 21 06:04:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	189789	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	171628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	66619	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84204	59.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.96%
7) Chloroethane-d5	1.67	69	74402	61.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	123.82%
11) 1,1-Dichloroethene-d2	2.27	63	114521	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.22%
21) 2-Butanone-d5	4.18	46	139645	149.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	149.89%#
24) Chloroform-d	4.65	84	153632	58.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.98%
26) 1,2-Dichloroethane-d4	5.31	65	101877	62.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.26%
32) Benzene-d6	5.34	84	309000	64.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	128.48%#
36) 1,2-Dichloropropane-d6	6.33	67	102741	66.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	132.58%#
41) Toluene-d8	7.57	98	250587	57.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.34%
43) trans-1,3-Dichloropropene-	7.85	79	41424	59.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	119.74%
47) 2-Hexanone-d5	8.31	63	97864	160.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	160.67%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145756	67.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	134.90%#
64) 1,2-Dichlorobenzene-d4	11.86	152	107147	77.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	154.62%#

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1155	0.881	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	933	0.758	ug/L #	1
13) Acetone	2.32	43	737	0.805	ug/L	61
33) Benzene	5.39	78	79073	14.860	ug/L	100
37) 1,2-Dichloropropane	6.33	63	10793	7.384	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2422	1.173	ug/L #	48
44) trans-1,3-Dichloropropene	7.85	75	1597	0.826	ug/L	87
51) Chlorobenzene	9.12	112	115458	31.599	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	2617	1.495	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	9552	4.703	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	107332	47.997	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	280988	124.956	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	21908	13.940	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	21908	16.177	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	8388	5.624	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

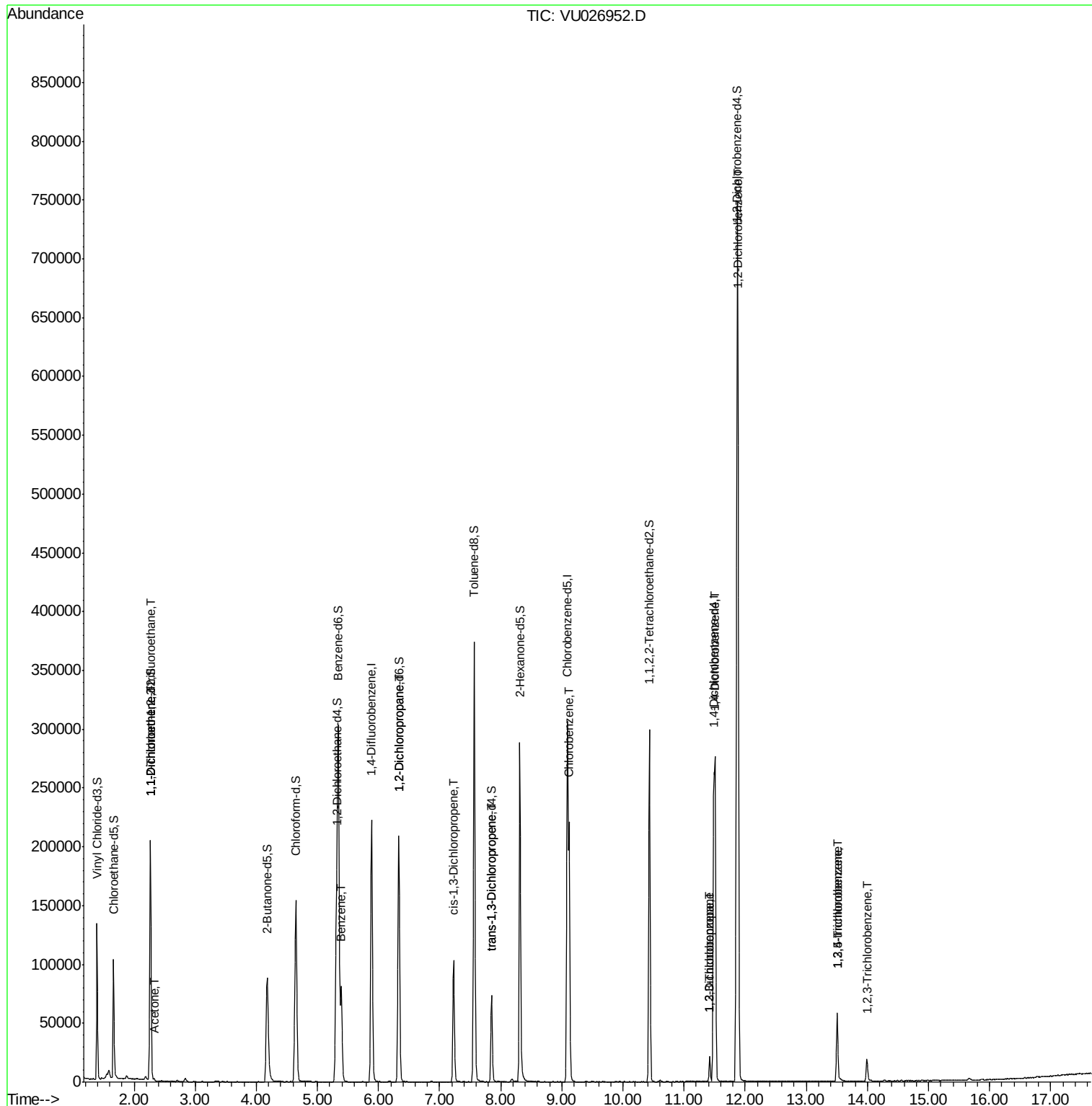
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

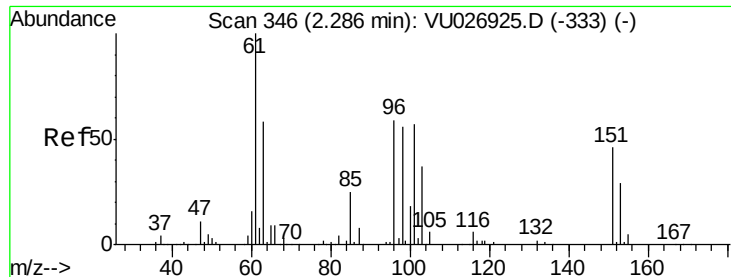
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.881 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

Instrument :

MSVOA_U

ClientSampled :

C08M9

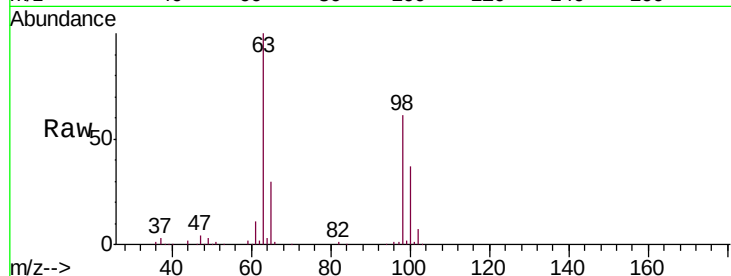
Tgt Ion: 101 Resp: 1155

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

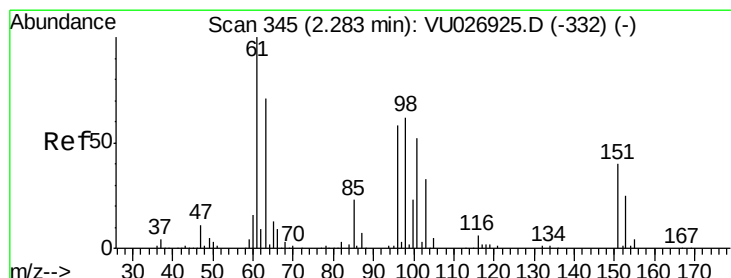
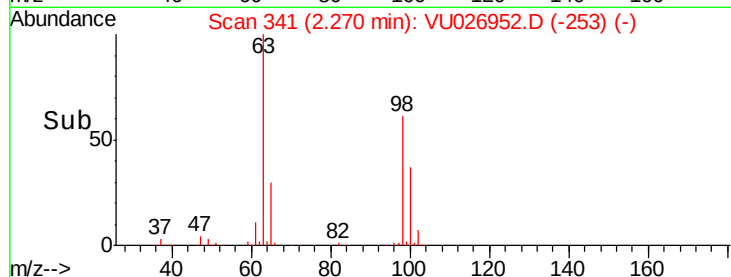
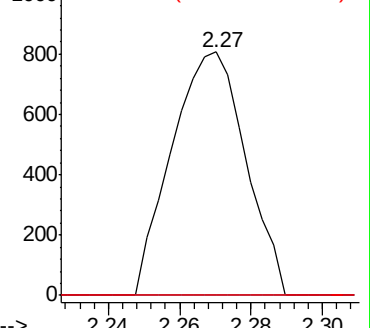
151 0.0 63.0 94.4#



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: 0.758 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

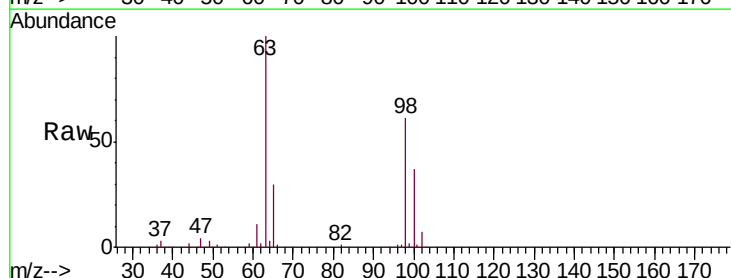
Tgt Ion: 96 Resp: 933

Ion Ratio Lower Upper

96 100

61 1126.7 124.0 230.4#

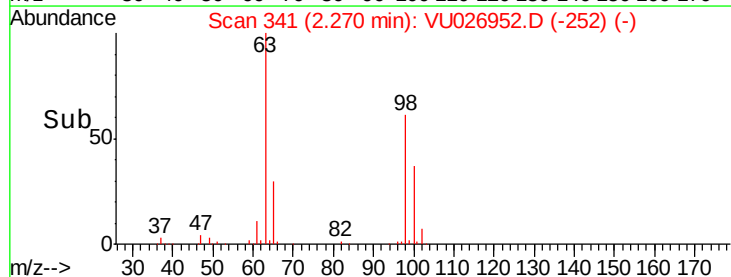
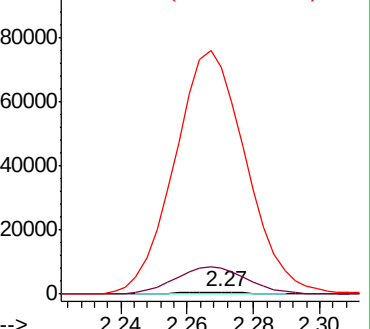
63 9849.2 97.7 181.5#

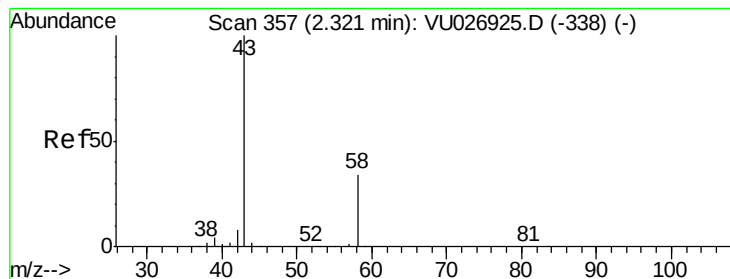


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.805 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

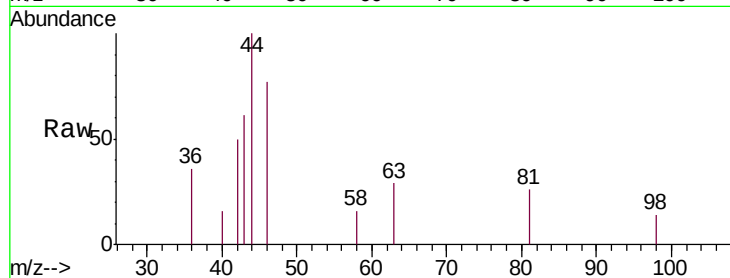
C08M9

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

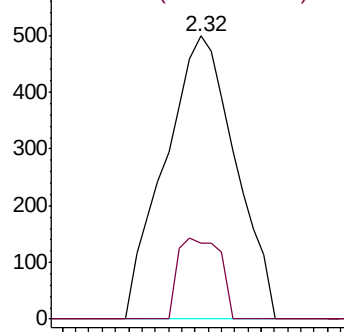
43 100

58 10.4 0.0 64.6

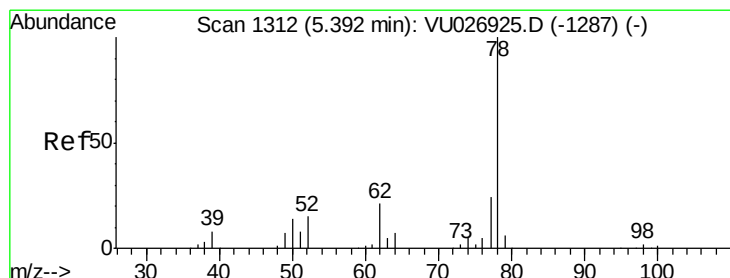
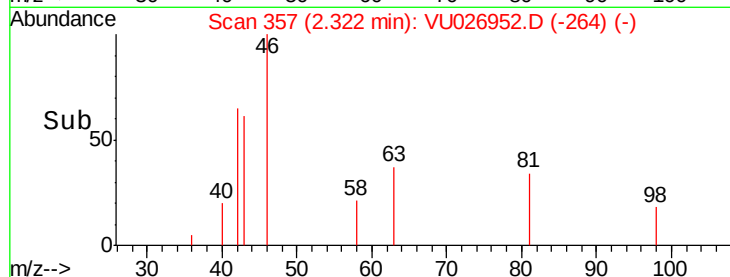


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time--> 2.28 2.30 2.32 2.34 2.36



#33

Benzene

Concen: 14.860 ug/L

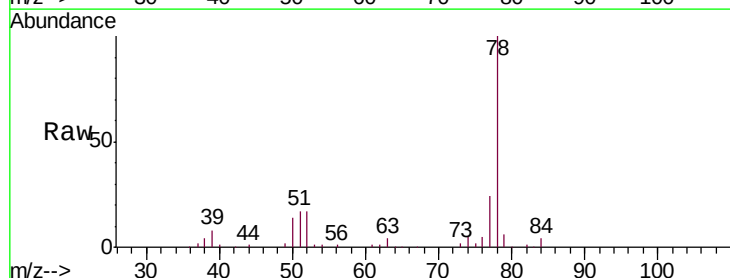
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

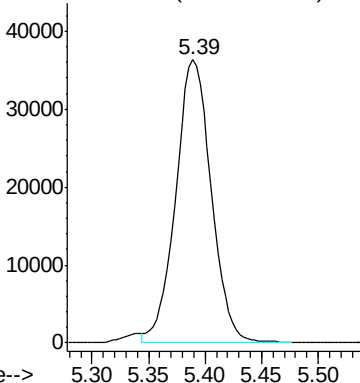
Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

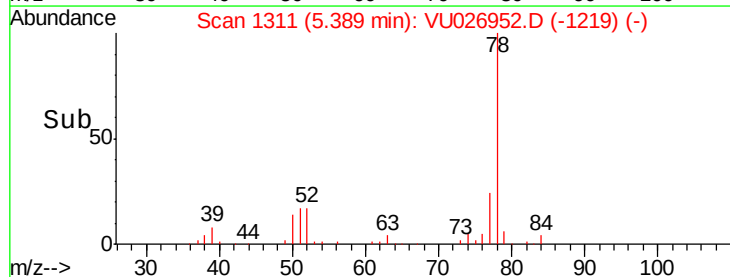
Tgt Ion: 78 Resp: 79073

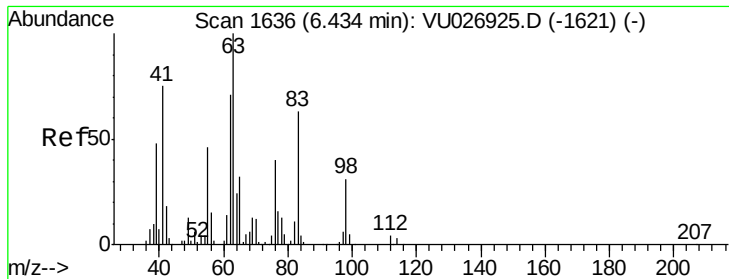


Abundance Ion 78.00 (77.70 to 78.70): VU0



Time--> 5.30 5.35 5.40 5.45 5.50

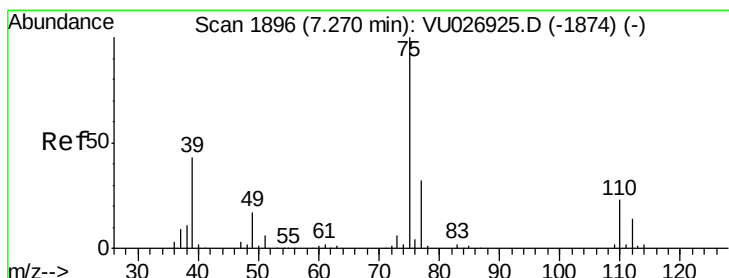
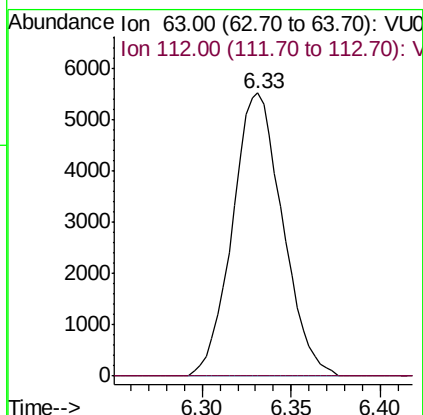
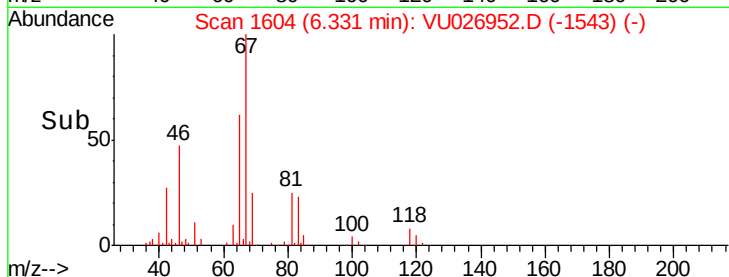
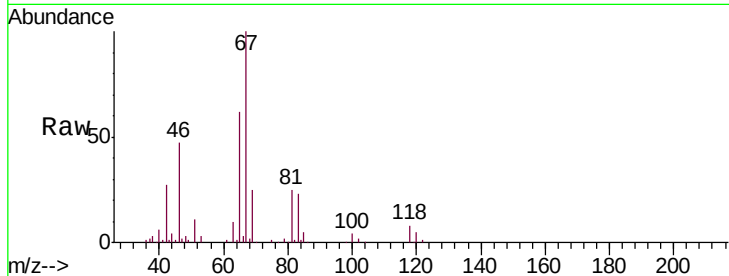




#37
 1,2-Dichloropropane
 Concen: 7.384 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026952.D
 Acq: 20 Sep 2018 22:46

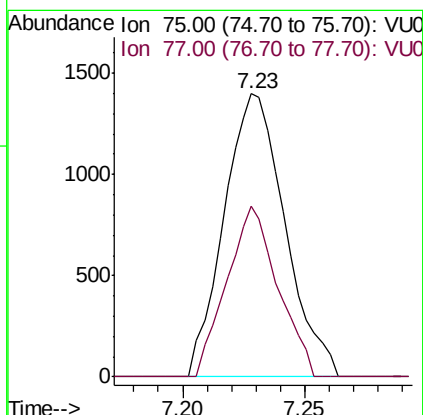
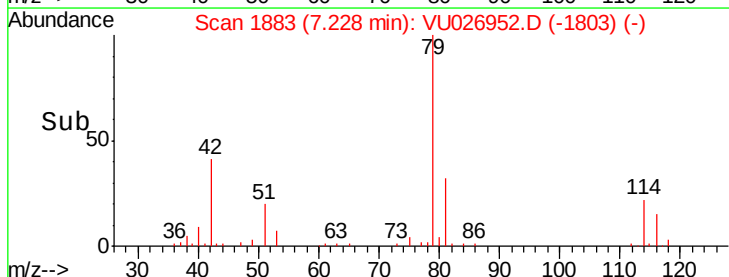
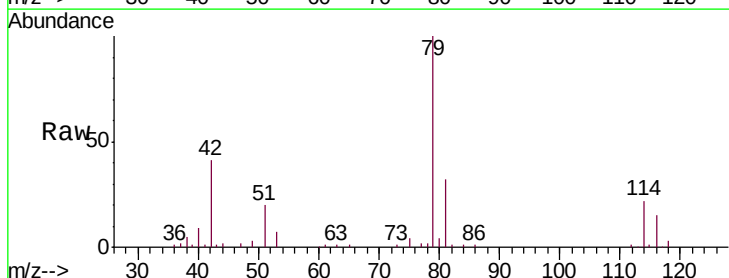
Instrument :
 MSVOA_U
 ClientSampleId :
 C08M9

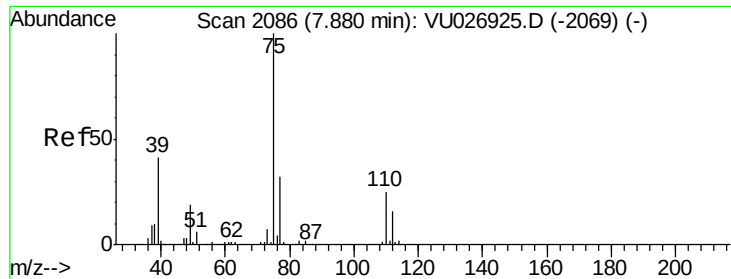
Tgt Ion: 63 Resp: 10793
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 1.173 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026952.D
 Acq: 20 Sep 2018 22:46

Tgt Ion: 75 Resp: 2422
 Ion Ratio Lower Upper
 75 100
 77 60.2 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.826 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

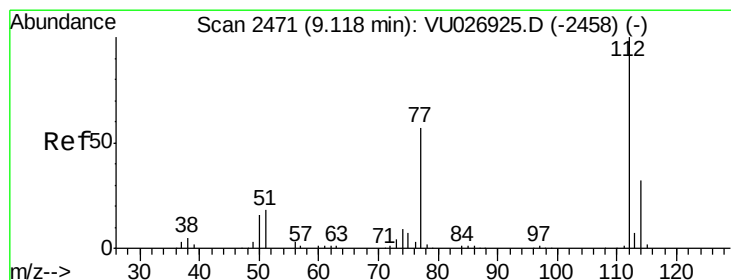
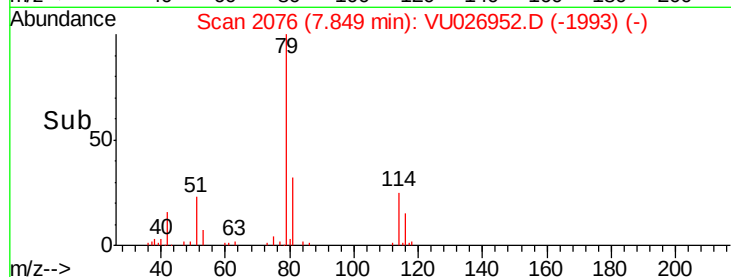
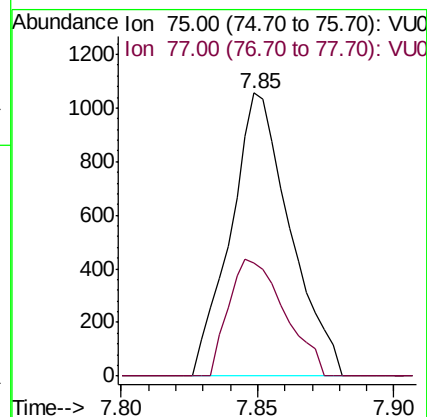
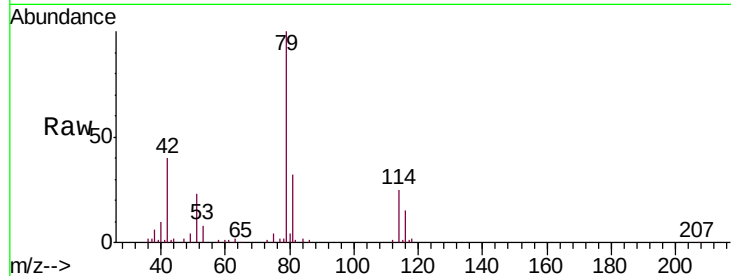
C08M9

Tgt Ion: 75 Resp: 1597

Ion Ratio Lower Upper

75 100

77 39.9 22.8 42.4



#51

Chlorobenzene

Concen: 31.599 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

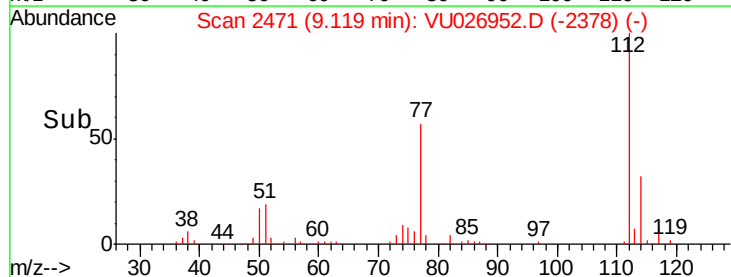
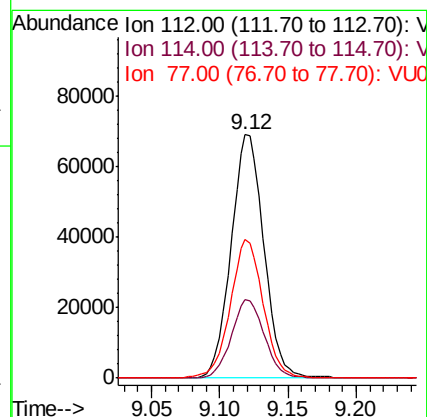
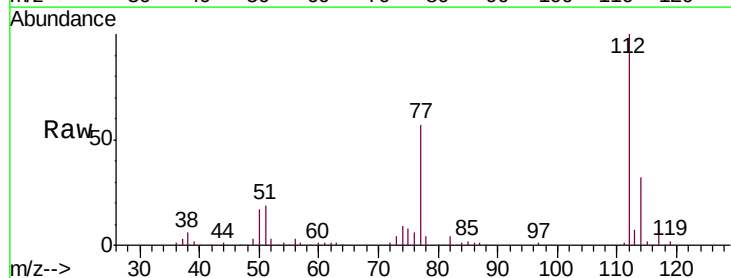
Tgt Ion: 112 Resp: 115458

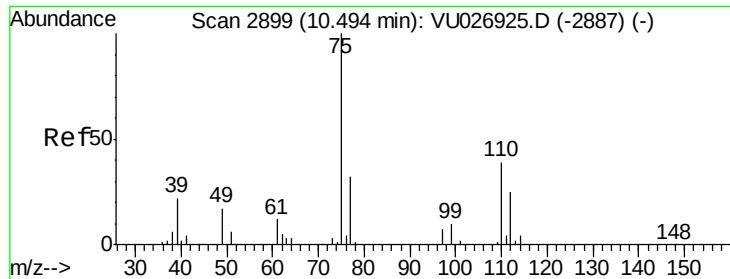
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 57.2 45.1 67.7





#59

1,2,3-Trichloropropane

Concen: 1.495 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.93 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

Instrument :

MSVOA_U

ClientSampled :

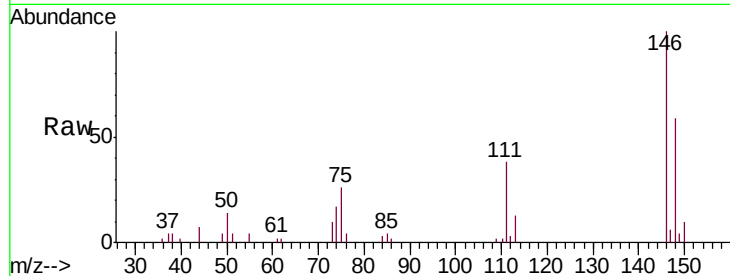
C08M9

Tgt Ion: 75 Resp: 2617

Ion Ratio Lower Upper

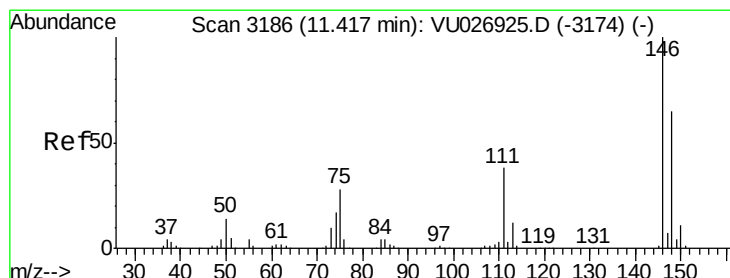
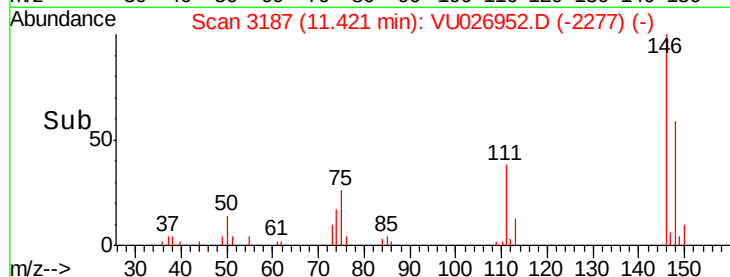
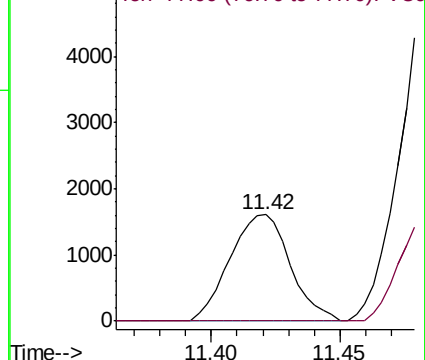
75 100

77 0.0 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU026952.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026952.D (-2887) (-)



#62

1,3-Dichlorobenzene

Concen: 4.703 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026952.D

Acq: 20 Sep 2018 22:46

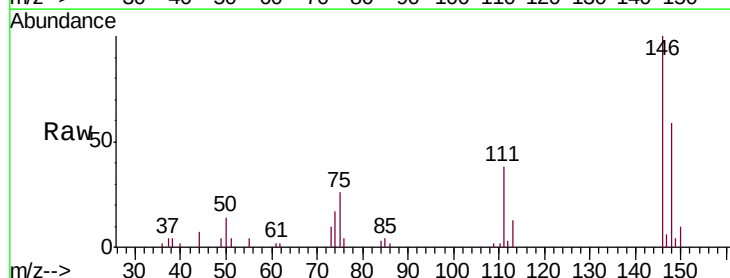
Tgt Ion: 146 Resp: 9552

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

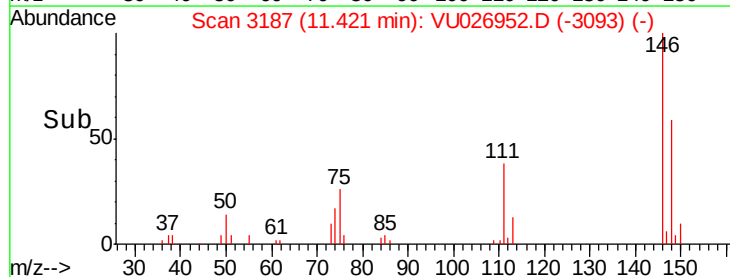
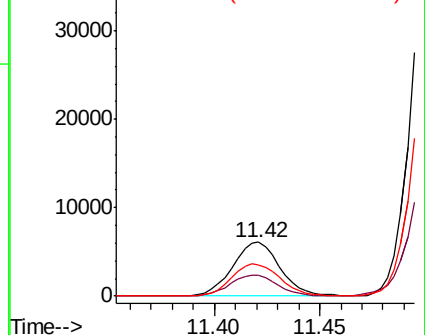
148 58.7 44.9 83.5

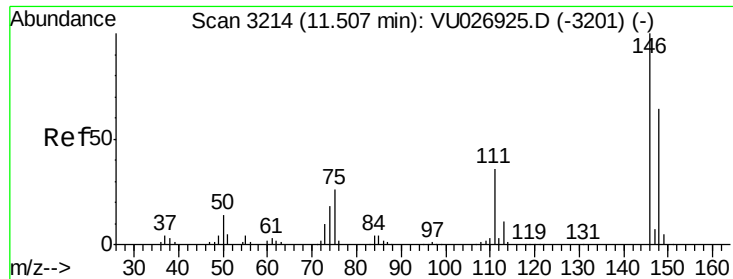


Abundance Ion 146.00 (145.70 to 146.70): VU026952.D (-3174) (-)

Ion 111.00 (110.70 to 111.70): VU026952.D (-3174) (-)

Ion 148.00 (147.70 to 148.70): VU026952.D (-3174) (-)

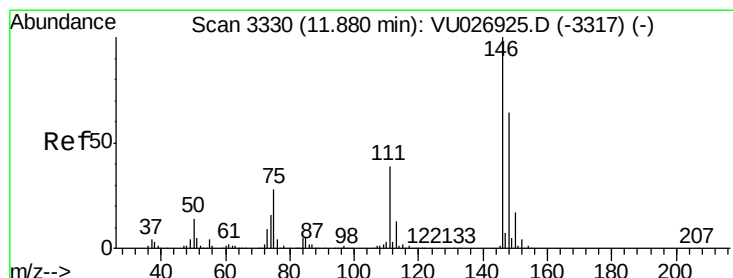
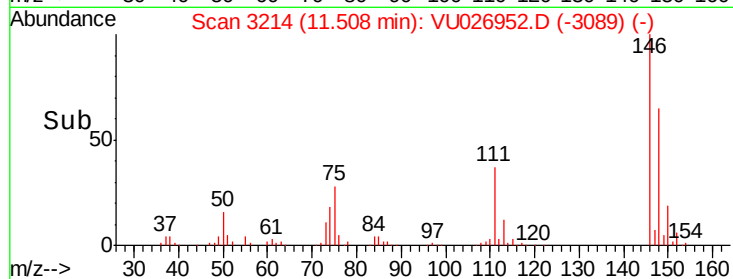
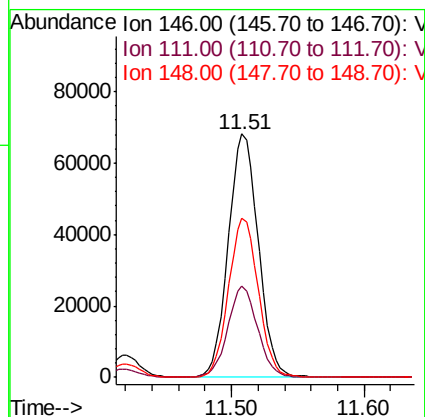
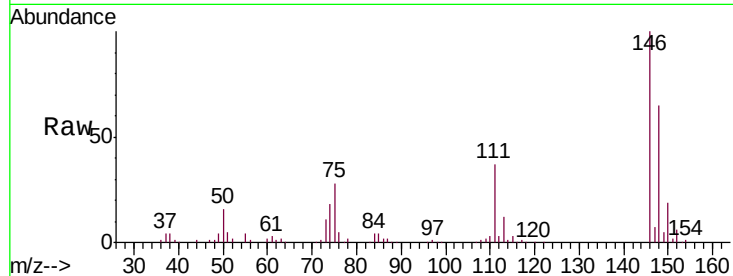




#63
 1,4-Dichlorobenzene
 Concen: 47.997 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026952.D
 Acq: 20 Sep 2018 22:46

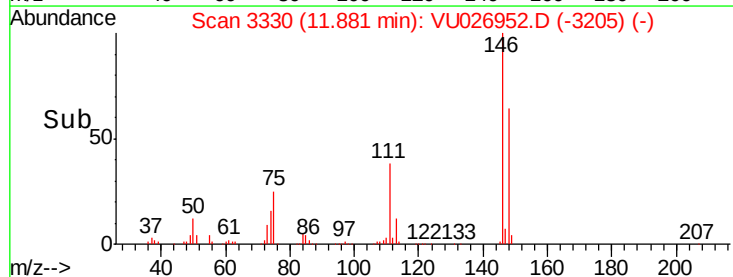
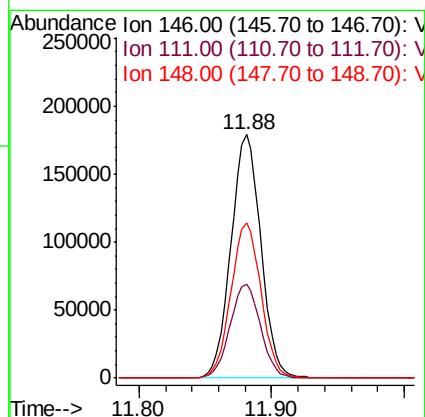
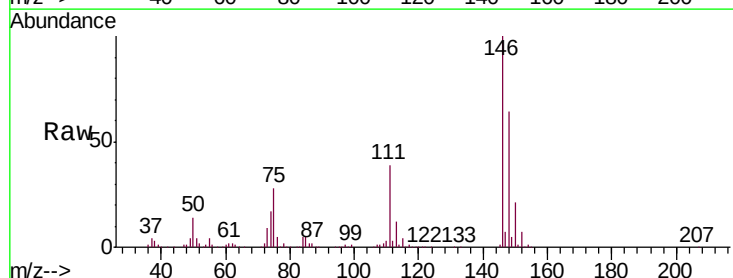
Instrument :
 MSVOA_U
 ClientSampleId :
 C08M9

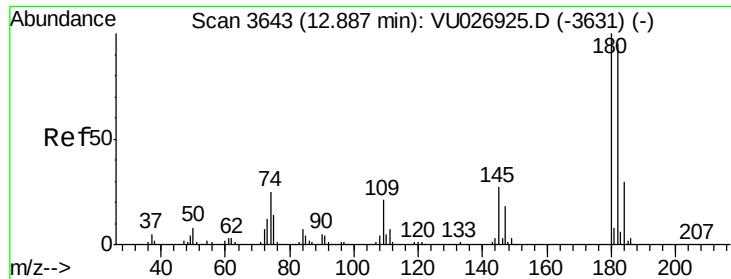
Tgt Ion:146 Resp: 107332
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.0 48.2
 148 65.4 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 124.956 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026952.D
 Acq: 20 Sep 2018 22:46

Tgt Ion:146 Resp: 280988
 Ion Ratio Lower Upper
 146 100
 111 38.5 31.4 47.0
 148 63.6 51.4 77.2

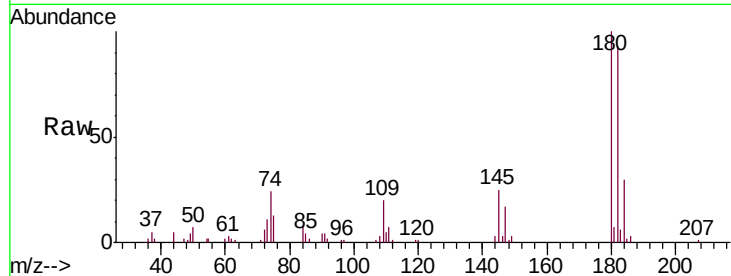




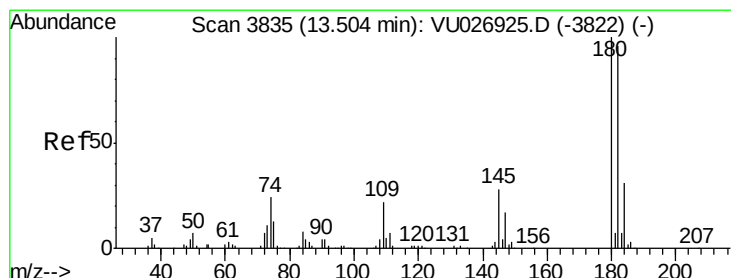
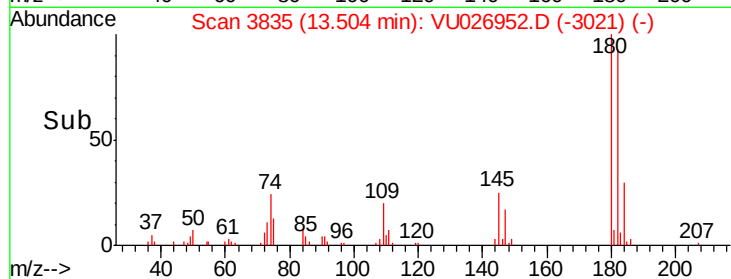
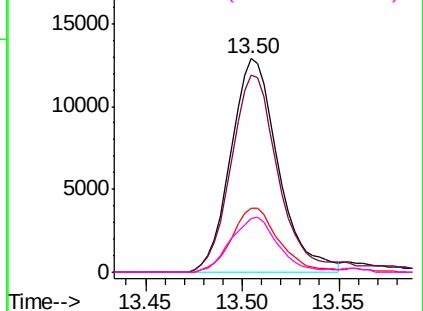
#67
 1,3,5-Trichlorobenzene
 Concen: 13.940 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026952.D
 Acq: 20 Sep 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M9

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.7	115.1
184	30.2	24.2	36.4
145	25.4	21.8	32.6

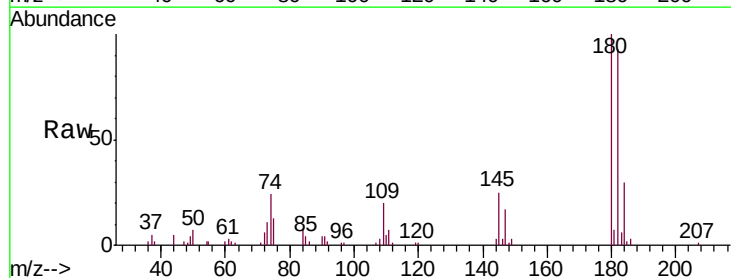


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

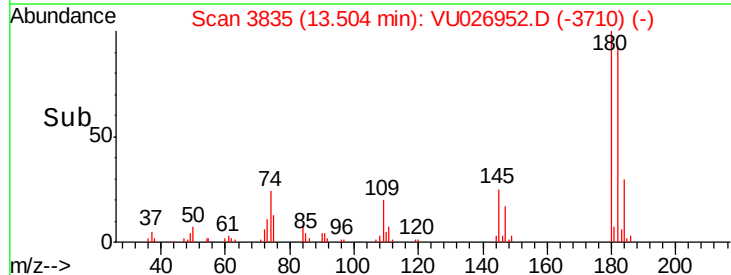
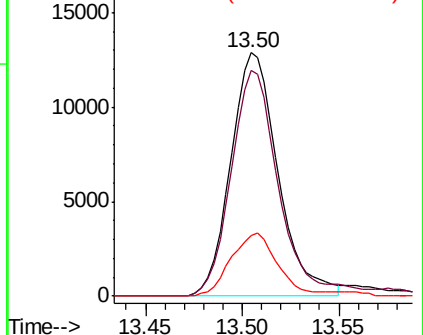


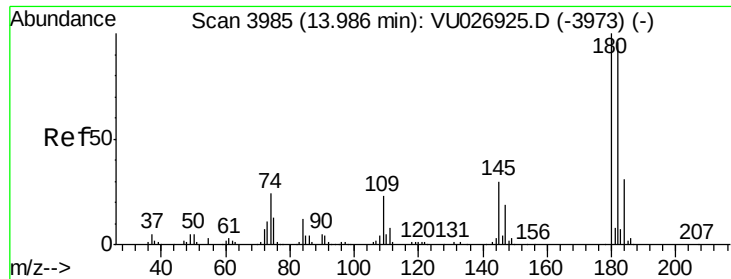
#68
 1,2,4-trichlorobenzene
 Concen: 16.177 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026952.D
 Acq: 20 Sep 2018 22:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.8	115.2
145	25.4	22.2	33.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

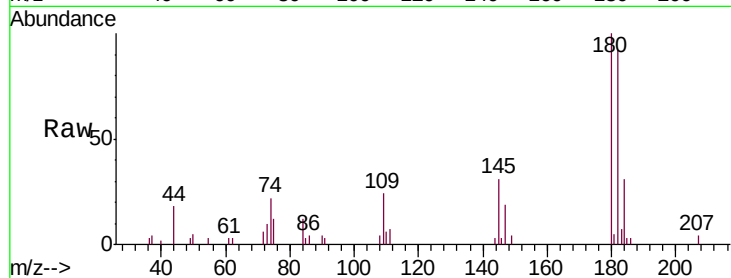




#70
 1,2,3-Trichlorobenzene
 Concen: 5.624 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026952.D
 Acq: 20 Sep 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M9

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.6	113.4
145	28.2	23.8	35.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

