

Data File : VU030275.D
Acq On : 21 Mar 2019 18:58
Operator : JC/SP
Sample : K1967-18DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0967DL

Quant Time: Mar 22 05:18:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	532430	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	520326	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	257713	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	177558	49.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.64%
7) Chloroethane-d5	1.68	69	144376	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.30%
11) 1,1-Dichloroethene-d2	2.27	63	234126	35.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.30%
21) 2-Butanone-d5	4.18	46	243491	91.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.16%
24) Chloroform-d	4.65	84	303505	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
26) 1,2-Dichloroethane-d4	5.31	65	178005	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
32) Benzene-d6	5.34	84	673086	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
36) 1,2-Dichloropropane-d6	6.33	67	205806	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.02%
41) Toluene-d8	7.56	98	603798	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	93388	45.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.40%
47) 2-Hexanone-d5	8.31	63	194208	88.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	292906	45.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	248531	48.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.06%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2372	0.663	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2191	0.617	ug/L #	1
25) Chloroform	4.67	83	13366	1.993	ug/L	97
33) Benzene	5.39	78	355703	23.694	ug/L	100
35) Methylcyclohexane	6.33	83	46975	7.571	ug/L #	21
44) trans-1,3-Dichloropropene	7.85	75	3409	0.639	ug/L	98
48) 2-Hexanone	8.36	43	6194	1.412	ug/L #	44
51) Chlorobenzene	9.12	112	649509	60.083	ug/L	100
59) 1,2,3-Trichloropropane	11.41	75	52283	10.062	ug/L #	43
62) 1,3-Dichlorobenzene	11.41	146	206036	25.058	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	966705	113.347	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1198860	142.711	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	105292	16.385	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	105292	18.529	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	47980	8.092	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\
Quantitation Report (Not Reviewed)

Data File : VU030275.D
Acq On : 21 Mar 2019 18:58
Operator : JC/SP
Sample : K1967-18DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0967DL

Quant Time: Mar 22 05:18:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

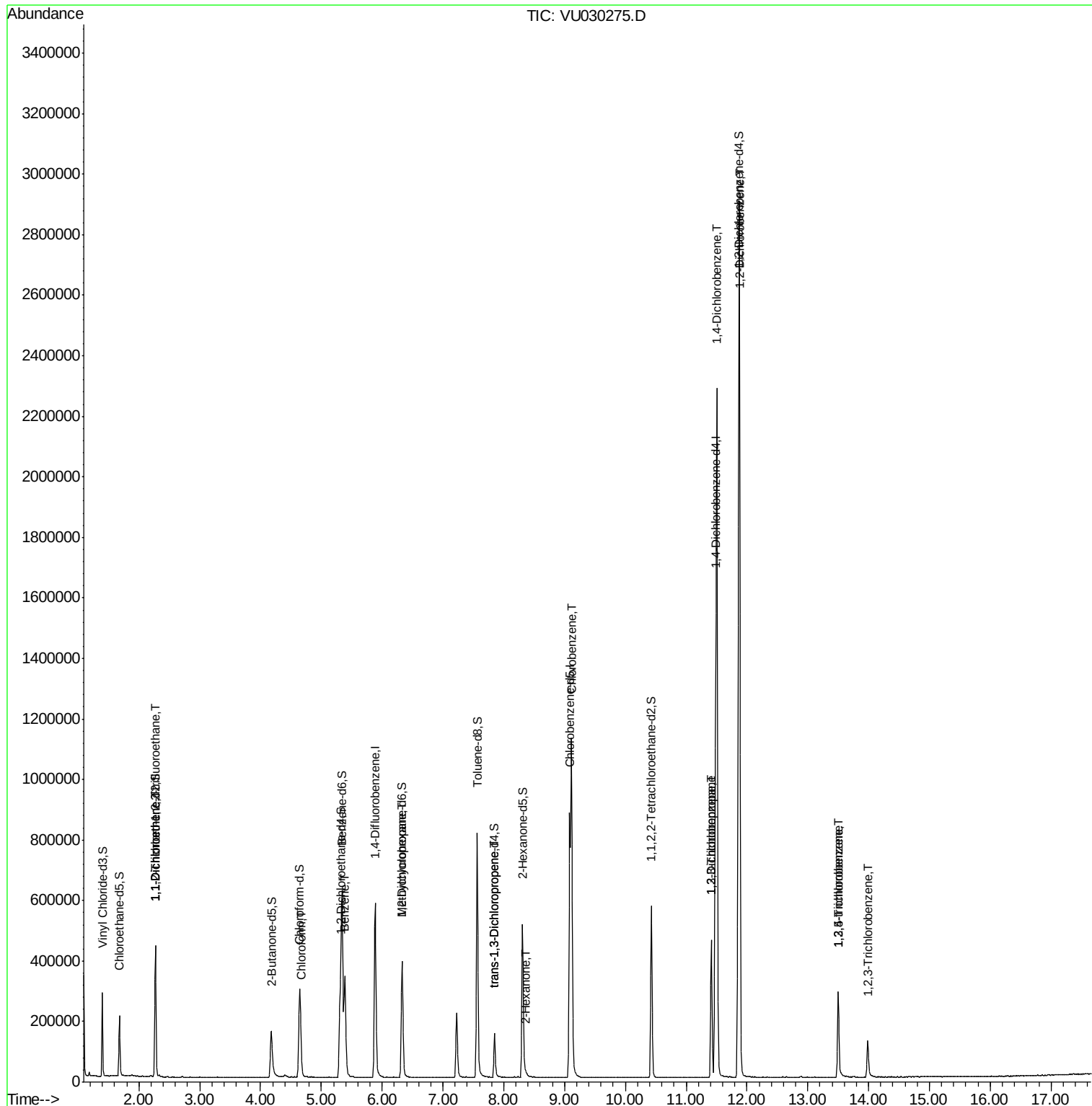
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

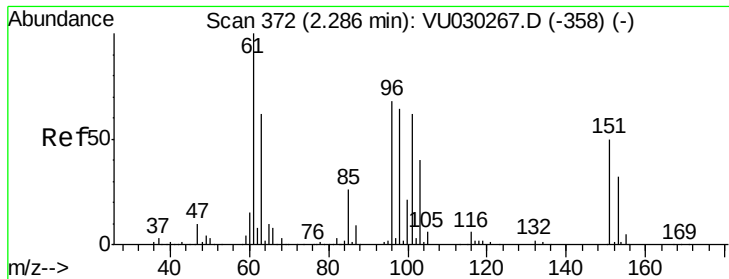
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data File : VU030275.D
Acq On : 21 Mar 2019 18:58
Operator : JC/SP
Sample : K1967-18DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0967DL

Quant Time: Mar 22 05:18:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration





#10

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

Concen: 0.663 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

Instrument :

MSVOA_U

ClientSampleId :

C0967DL

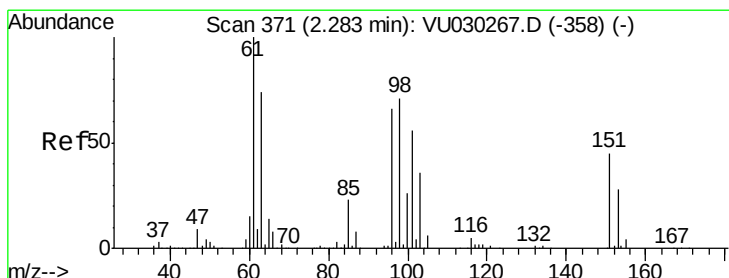
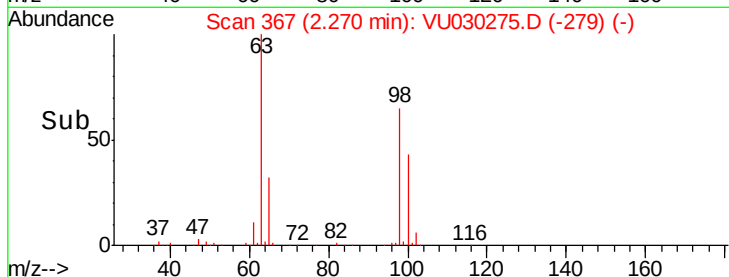
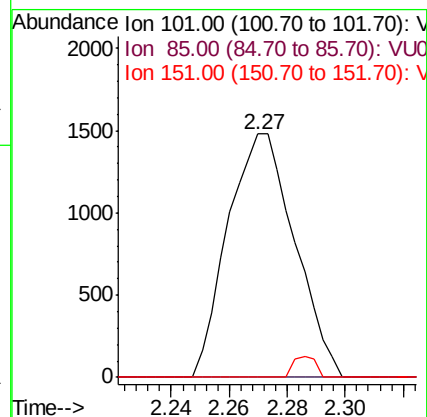
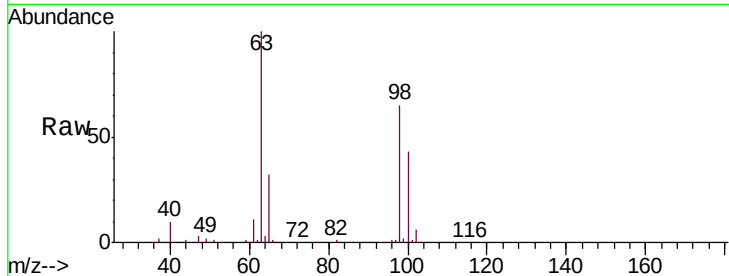
Tgt Ion: 101 Resp: 2372

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 2.9 64.7 97.1#



#12

1,1-Dichloroethene

Concen: 0.617 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

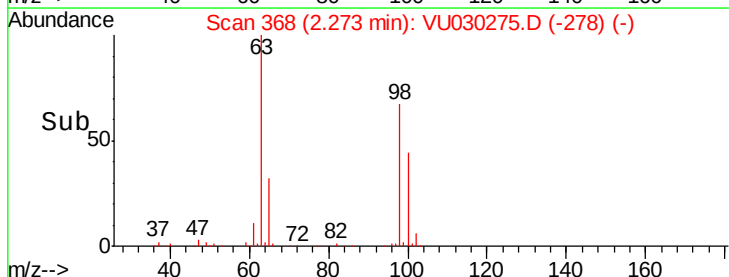
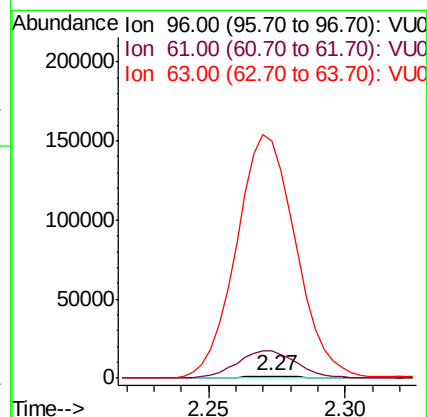
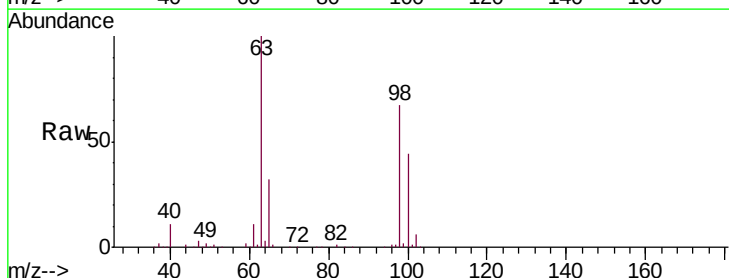
Tgt Ion: 96 Resp: 2191

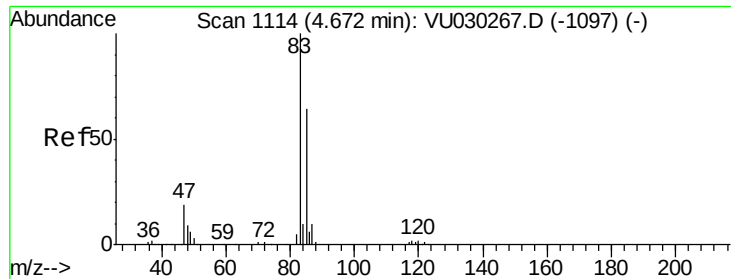
Ion Ratio Lower Upper

96 100

61 1180.1 104.6 194.2#

63 10366.8 77.2 143.4#

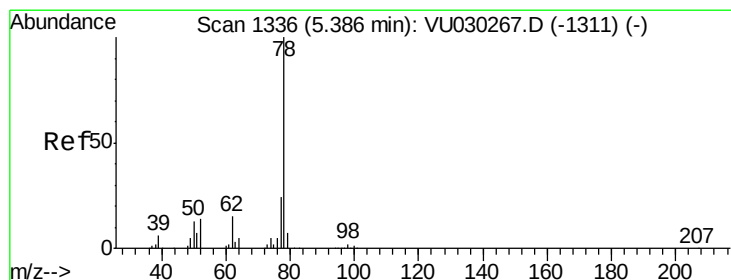
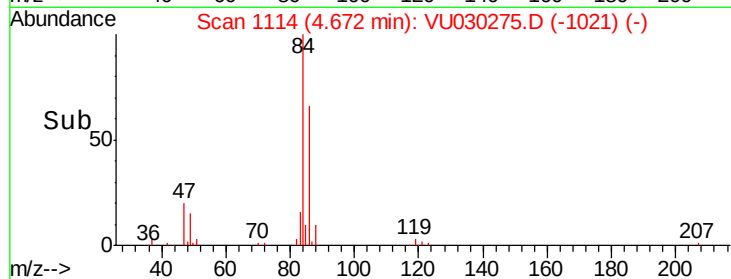
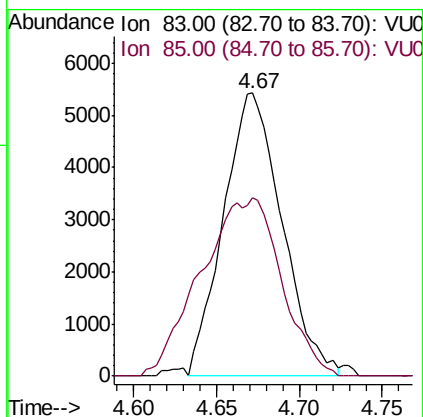
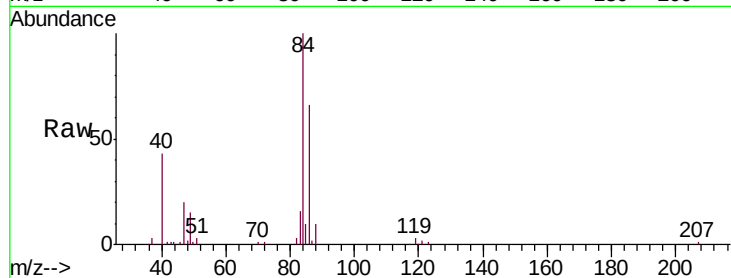




#25
Chloroform
Concen: 1.993 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU030275.D
Acq: 21 Mar 2019 18:58

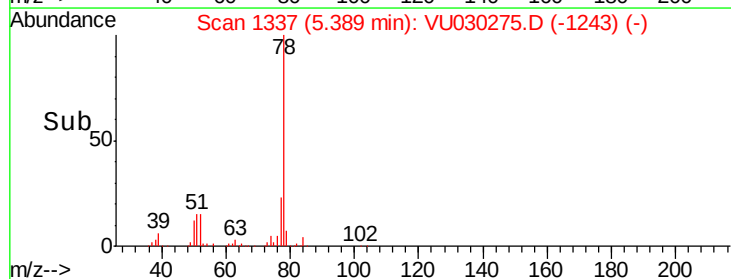
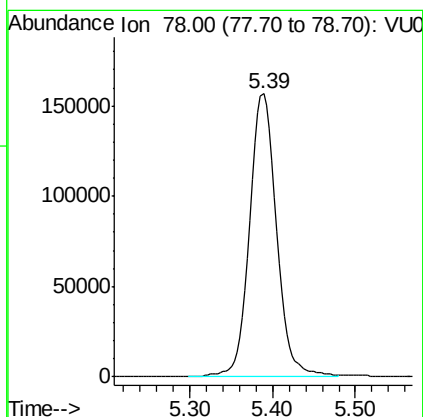
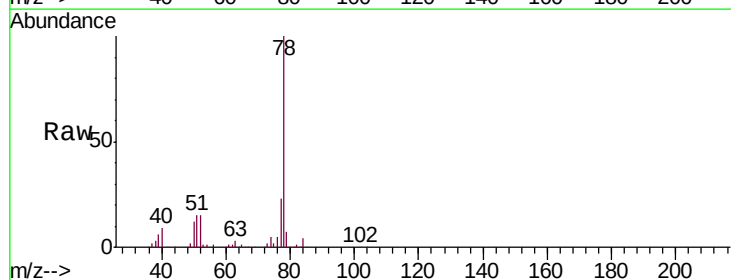
Instrument :
MSVOA_U
ClientSampleId :
C0967DL

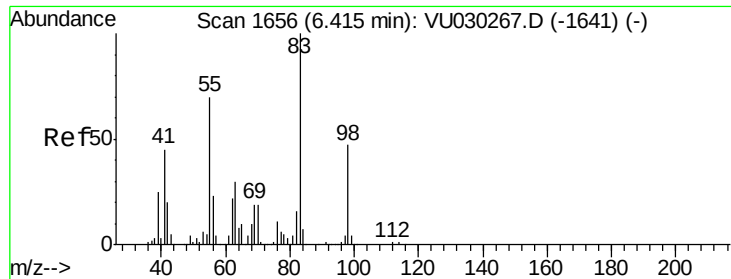
Tgt Ion: 83 Resp: 13366
Ion Ratio Lower Upper
83 100
85 63.2 45.8 85.2



#33
Benzene
Concen: 23.694 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU030275.D
Acq: 21 Mar 2019 18:58

Tgt Ion: 78 Resp: 355703

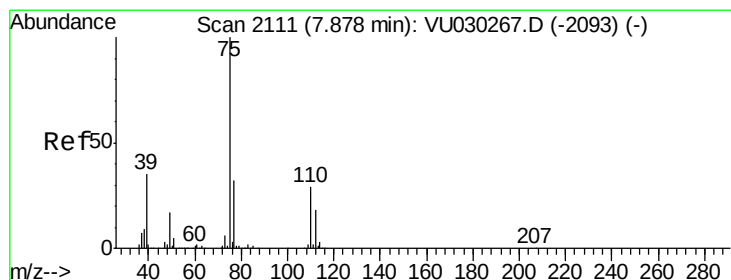
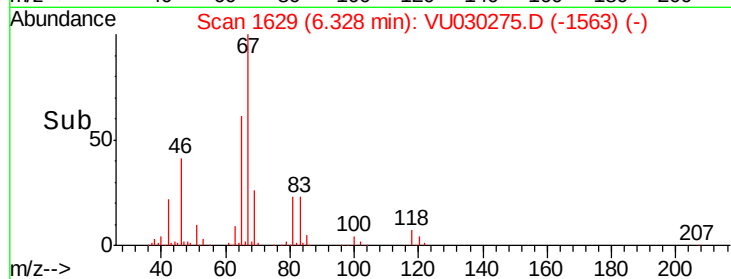
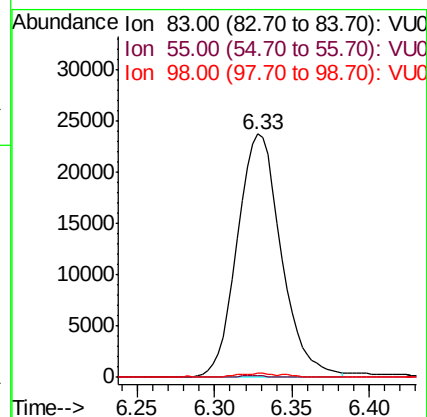
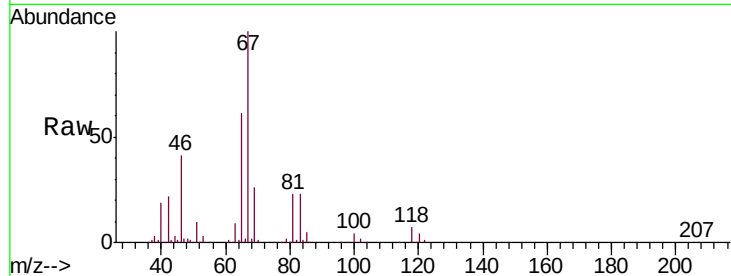




#35
Methylcyclohexane
Concen: 7.571 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.09 min
Lab File: VU030275.D
Acq: 21 Mar 2019 18:58

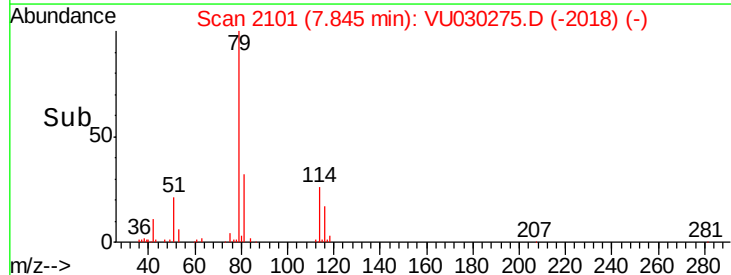
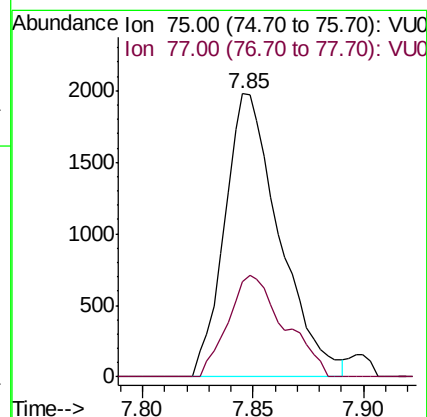
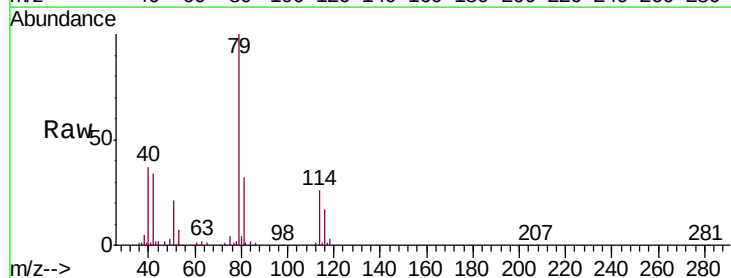
Instrument :
MSVOA_U
ClientSampleId :
C0967DL

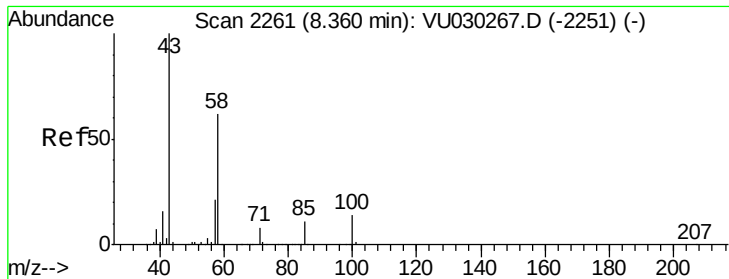
Tgt Ion: 83 Resp: 46975
Ion Ratio Lower Upper
83 100
55 0.3 56.6 85.0#
98 0.2 37.0 55.4#



#44
trans-1,3-Dichloropropene
Concen: 0.639 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030275.D
Acq: 21 Mar 2019 18:58

Tgt Ion: 75 Resp: 3409
Ion Ratio Lower Upper
75 100
77 33.8 22.7 42.1

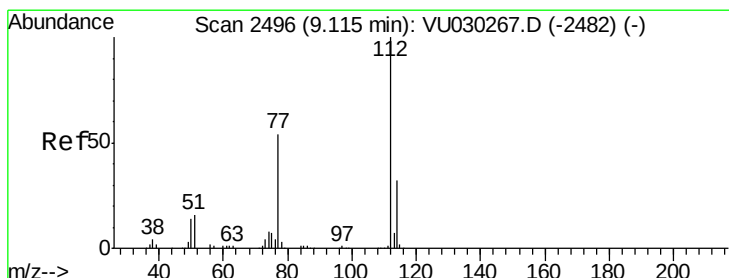
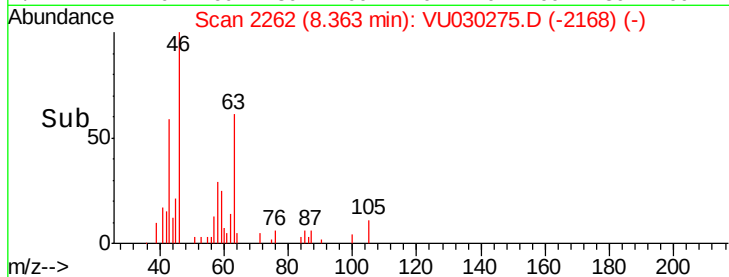
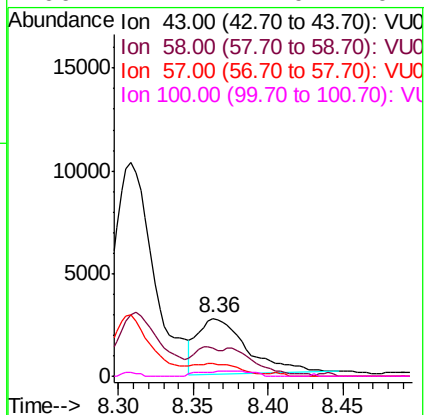
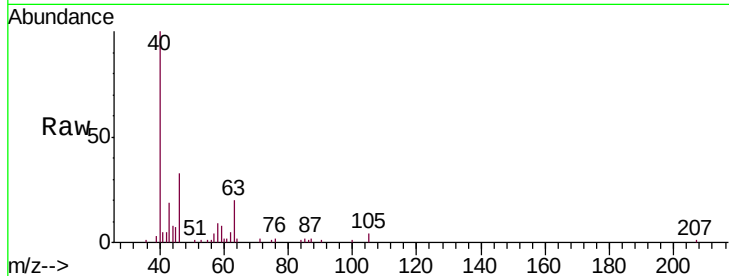




#48
2-Hexanone
Concen: 1.412 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030275.D
Acq: 21 Mar 2019 18:58

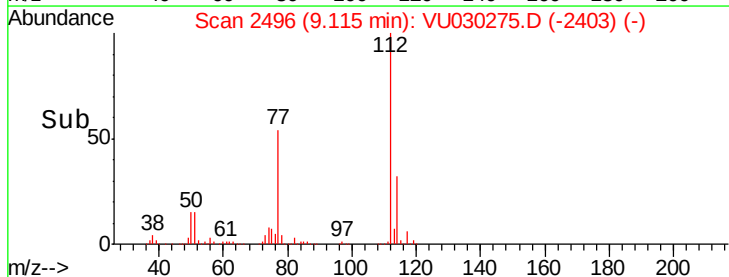
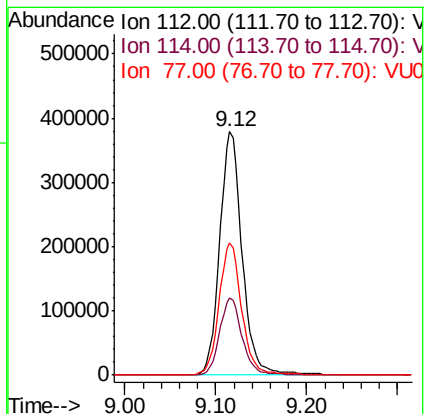
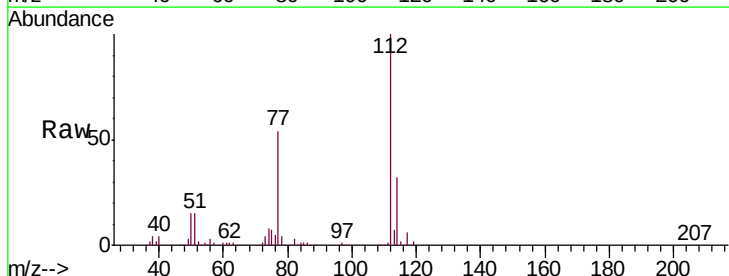
Instrument :
MSVOA_U
ClientSampleId :
C0967DL

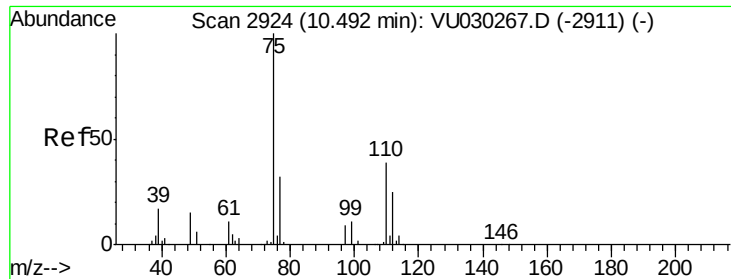
Tgt Ion:	43	Resp:	6194
Ion	Ratio	Lower	Upper
43	100		
58	10.5	49.3	73.9#
57	0.0	17.0	25.4#
100	2.7	11.0	16.4#



#51
Chlorobenzene
Concen: 60.083 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030275.D
Acq: 21 Mar 2019 18:58

Tgt Ion:	112	Resp:	649509
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.7
77	54.3	43.4	65.0





#59

1,2,3-Trichloropropane

Concen: 10.062 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.92 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

Instrument :

MSVOA_U

ClientSampled :

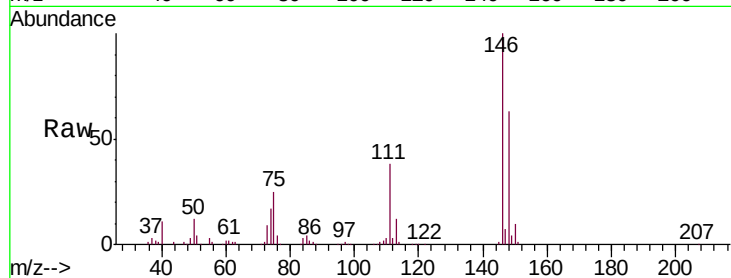
C0967DL

Tgt Ion: 75 Resp: 52283

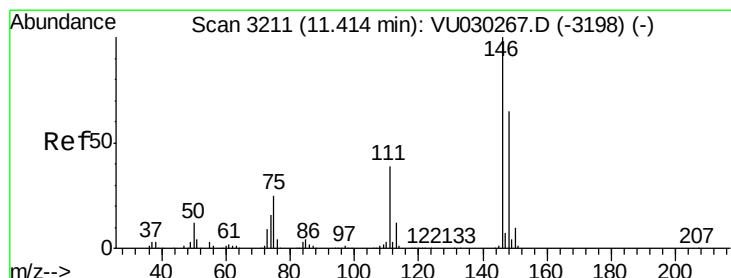
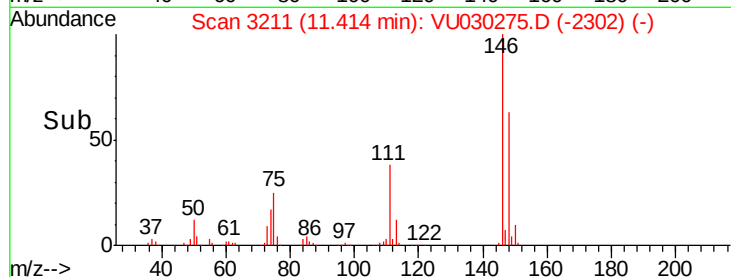
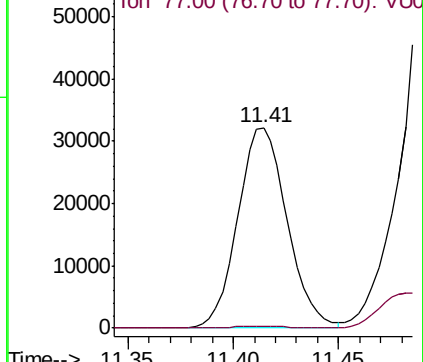
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VU030275.D (-2911) (-)



#62

1,3-Dichlorobenzene

Concen: 25.058 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030275.D

Acq: 21 Mar 2019 18:58

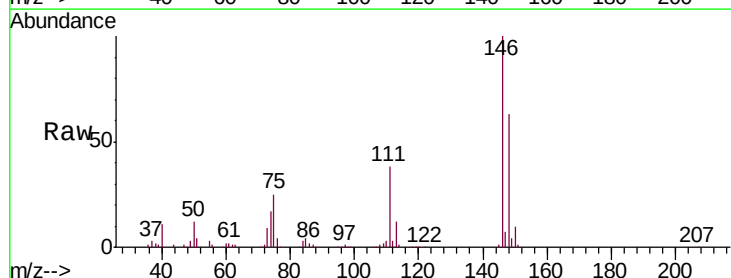
Tgt Ion: 146 Resp: 206036

Ion Ratio Lower Upper

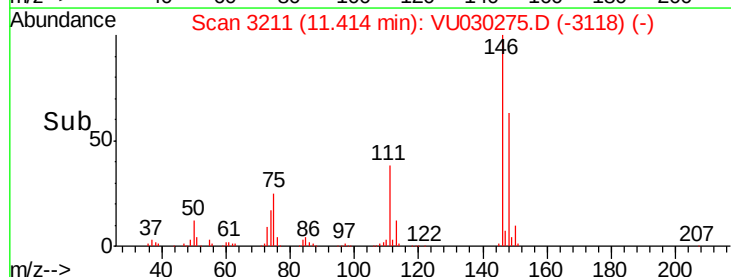
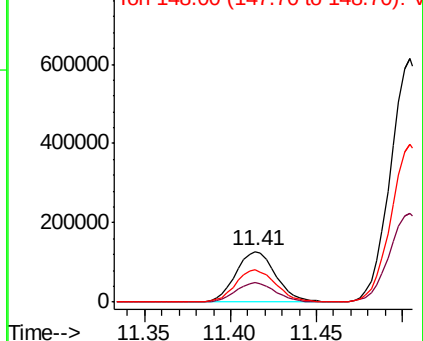
146 100

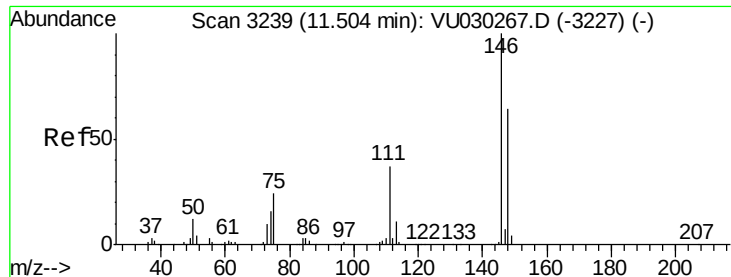
111 38.3 27.2 50.4

148 62.8 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): VU030275.D (-3198) (-)

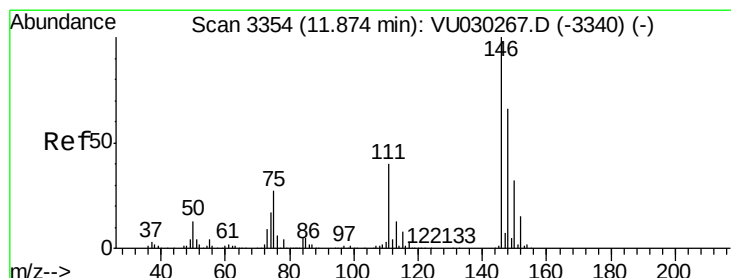
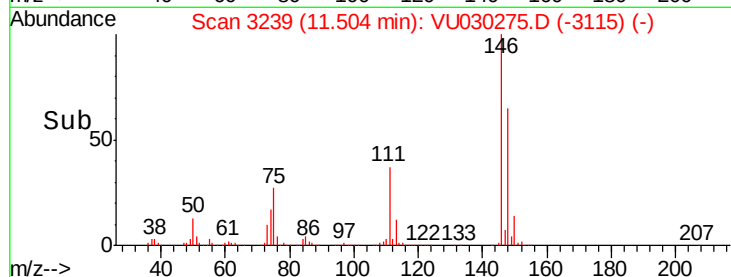
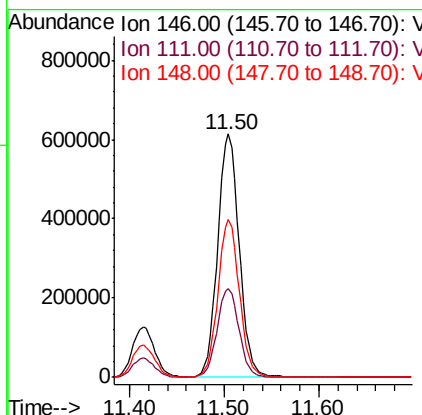
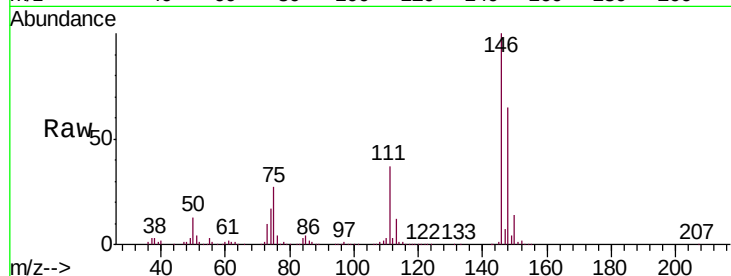




#63
 1,4-Dichlorobenzene
 Concen: 113.347 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030275.D
 Acq: 21 Mar 2019 18:58

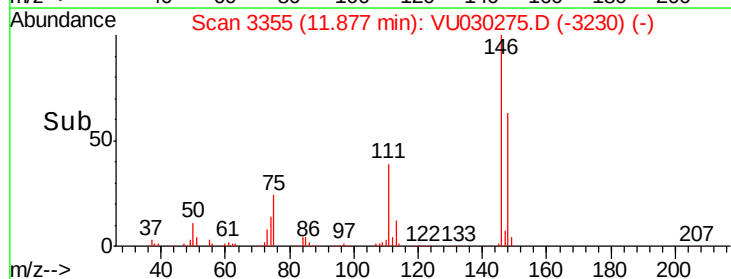
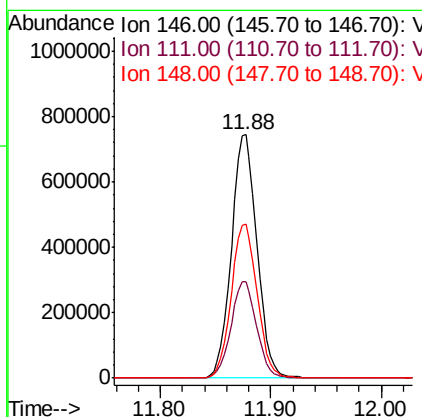
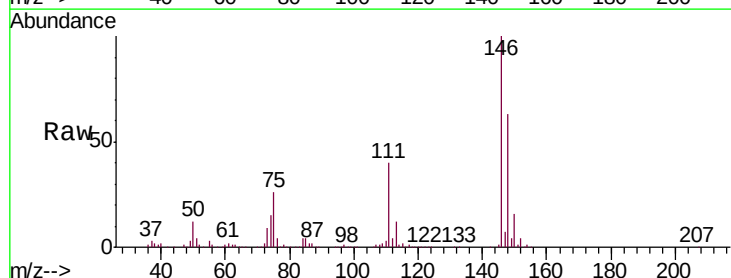
Instrument :
 MSVOA_U
 ClientSampleId :
 C0967DL

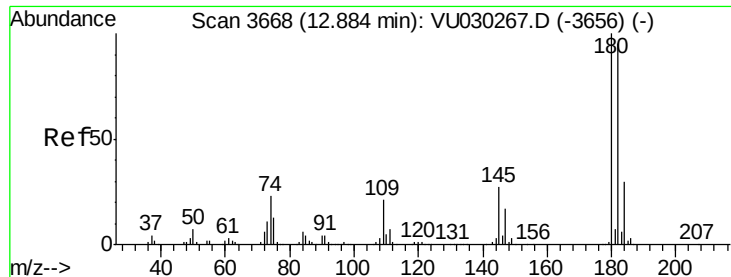
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	25.3	46.9
148	64.9	44.7	82.9



#65
 1,2-Dichlorobenzene
 Concen: 142.711 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030275.D
 Acq: 21 Mar 2019 18:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	31.7	47.5
148	63.2	52.0	78.0

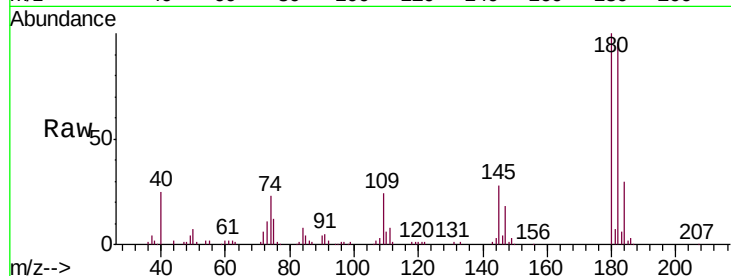




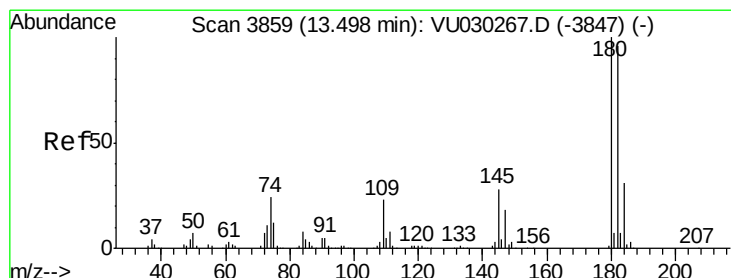
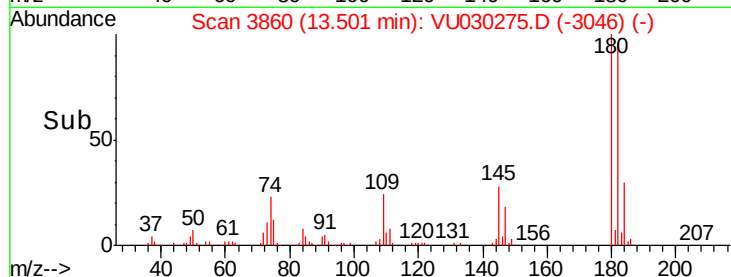
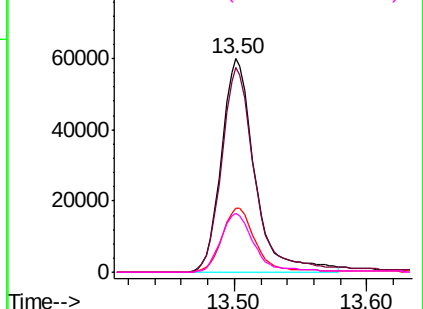
#67
 1,3,5-Trichlorobenzene
 Concen: 16.385 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030275.D
 Acq: 21 Mar 2019 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 C0967DL

Tgt Ion:180 Resp: 105292
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.0 114.0
 184 29.3 24.2 36.4
 145 28.0 22.1 33.1

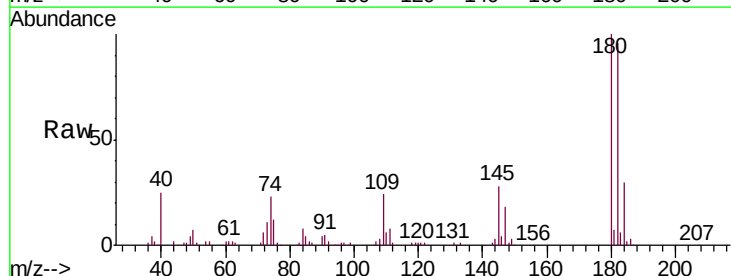


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

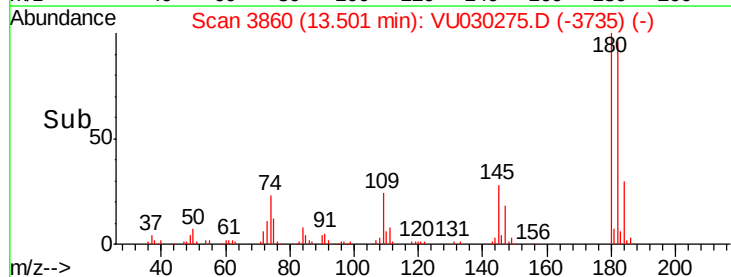
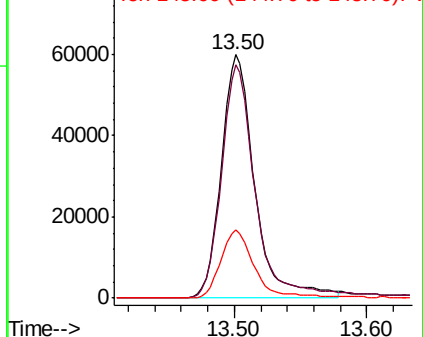


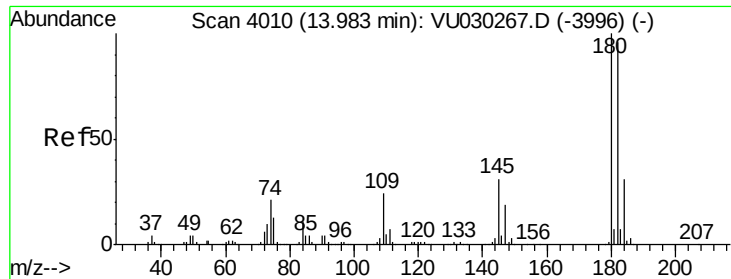
#68
 1,2,4-trichlorobenzene
 Concen: 18.529 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030275.D
 Acq: 21 Mar 2019 18:58

Tgt Ion:180 Resp: 105292
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.4 114.6
 145 28.0 22.7 34.1



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: 8.092 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030275.D
 Acq: 21 Mar 2019 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 C0967DL

Tgt Ion	Resp	Lower	Upper
180	47980		
182	97.8	75.9	113.9
145	32.8	24.1	36.1

