

Data File : VU033233.D
Acq On : 12 Jul 2019 19:41
Operator : JC/SP
Sample : K3787-01DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C88DL

Quant Time: Jul 13 00:13:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	310107	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	305744	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	136188	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	115603	49.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.50%
7) Chloroethane-d5	1.67	69	102493	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.22%
11) 1,1-Dichloroethene-d2	2.25	63	148257	34.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.64%
21) 2-Butanone-d5	4.15	46	166056	111.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.64%
24) Chloroform-d	4.62	84	192283	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
26) 1,2-Dichloroethane-d4	5.28	65	130678	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
32) Benzene-d6	5.32	84	398277	53.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.31	67	126221	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.06%
41) Toluene-d8	7.55	98	353999	50.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.10%
43) trans-1,3-Dichloropropene-	7.83	79	59078	50.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.28%
47) 2-Hexanone-d5	8.29	63	118149	109.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.08%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	185717	51.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	134470	55.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.74%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1244	0.588 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1180	0.570 ug/L #	1
13) Acetone	2.31	43	5386	2.898 ug/L	95
25) Chloroform	4.65	83	4088	0.935 ug/L	83
35) Methylcyclohexane	6.31	83	29401	8.231 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	13987	5.784 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3652	0.985 ug/L #	72
44) trans-1,3-Dichloropropene	7.83	75	2737	0.819 ug/L	96
51) Chlorobenzene	9.10	112	3246	0.517 ug/L	98
59) 1,2,3-Trichloropropane	11.47	75	18264	5.802 ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	2957	0.675 ug/L	92
65) 1,2-Dichlorobenzene	11.86	146	32153	7.478 ug/L	96
67) 1,3,5-Trichlorobenzene	13.49	180	5041	1.664 ug/L	90
68) 1,2,4-trichlorobenzene	13.49	180	5041	1.905 ug/L	90
70) 1,2,3-Trichlorobenzene	13.98	180	5153	1.794 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071219\
Quantitation Report (Not Reviewed)

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QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

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

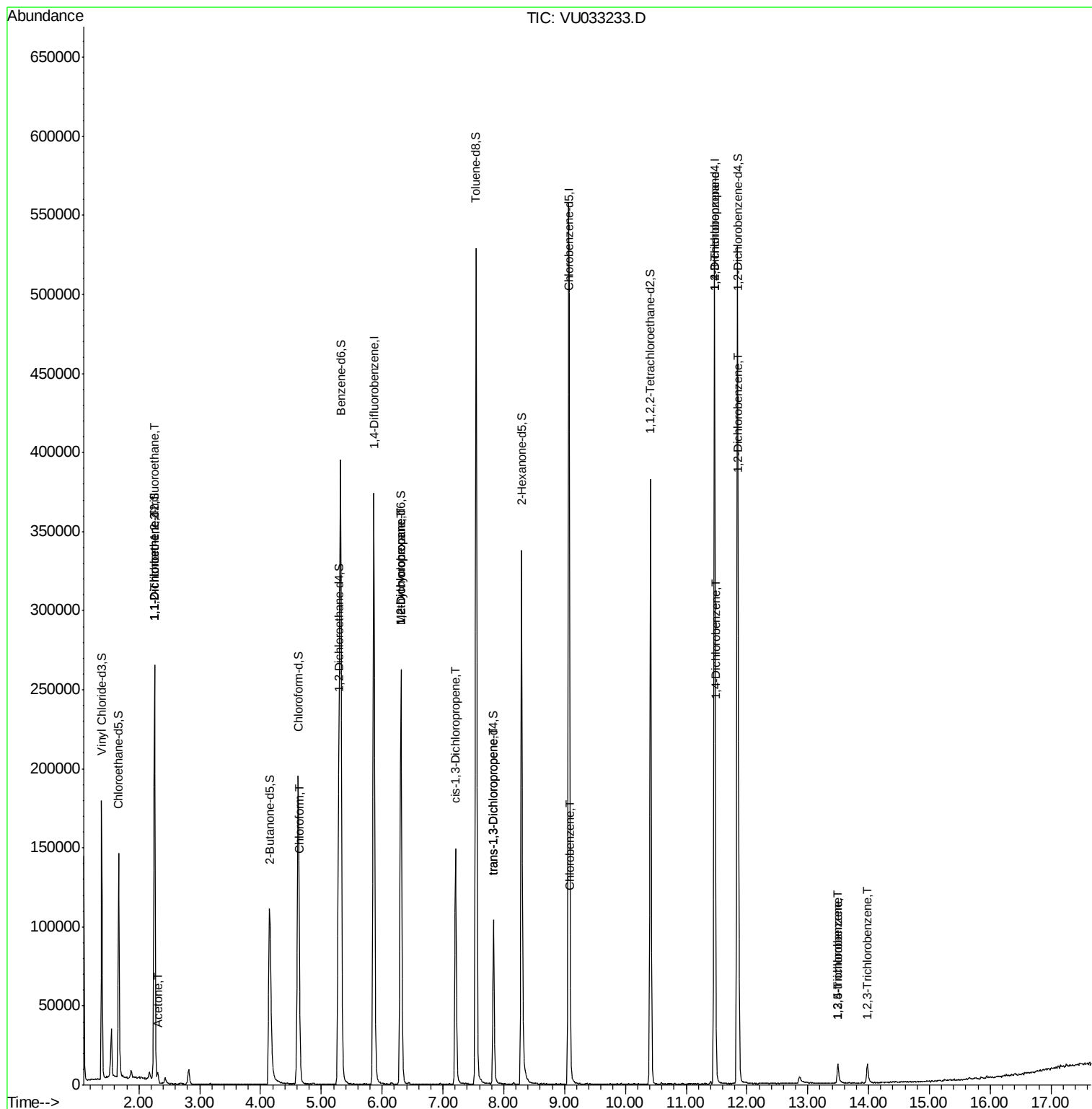
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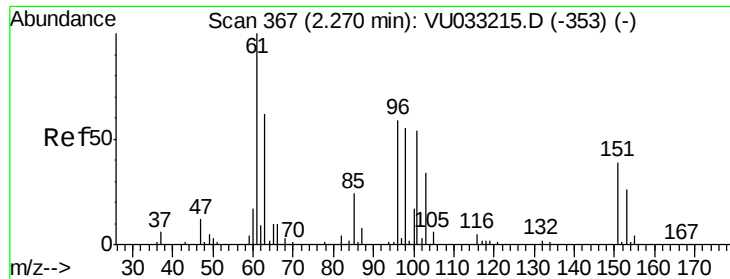
Data File : VU033233.D

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Instrument :
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Quant Time: Jul 13 00:13:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration





#10

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

Concen: 0.588 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033233.D

Acq: 12 Jul 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

C0C88DL

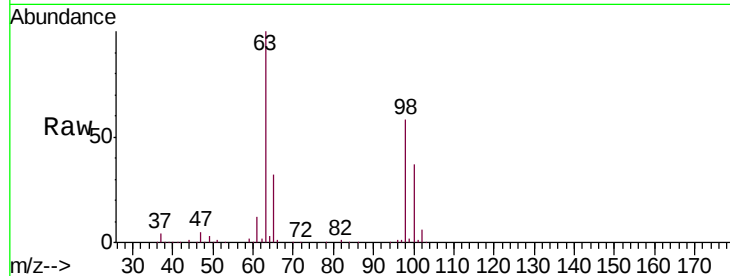
Tgt Ion:101 Resp: 1244

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

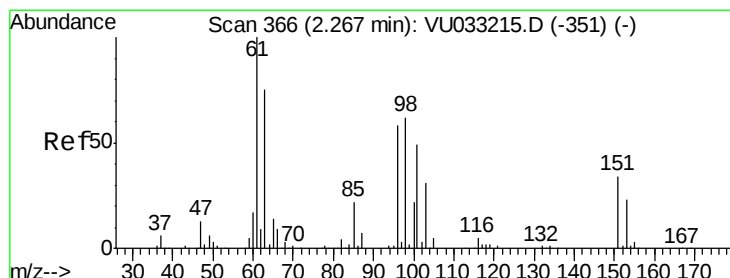
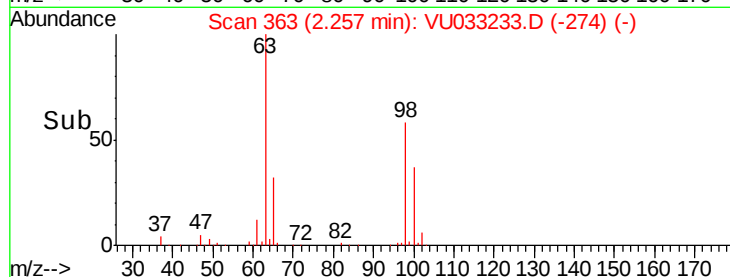
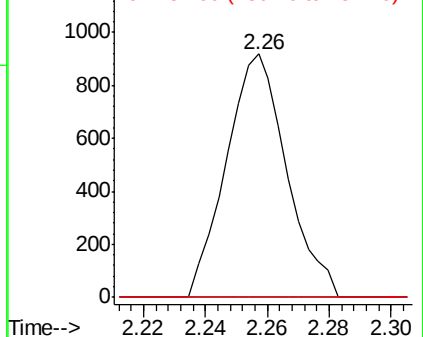
151 0.0 56.7 85.1#



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



#12

1,1-Dichloroethene

Concen: 0.570 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033233.D

Acq: 12 Jul 2019 19:41

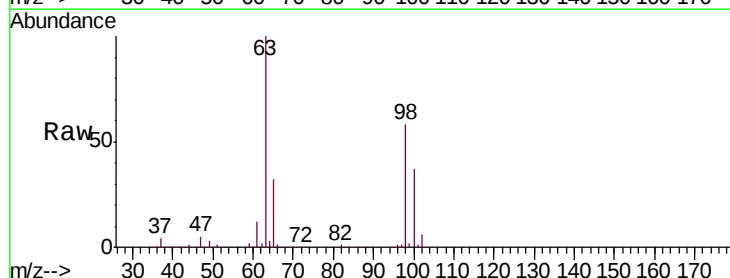
Tgt Ion: 96 Resp: 1180

Ion Ratio Lower Upper

96 100

61 1608.2 126.1 234.1#

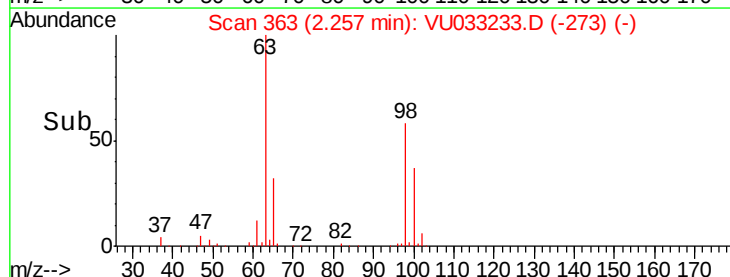
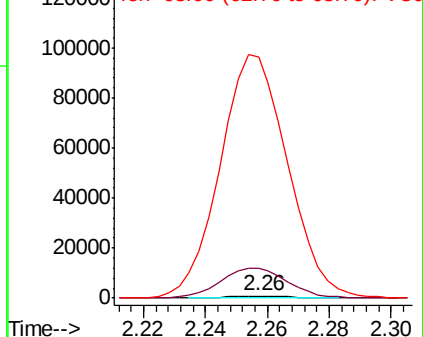
63 13020.2 96.8 179.8#

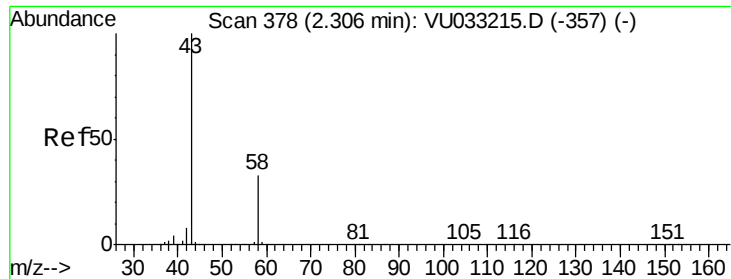


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.898 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033233.D

Acq: 12 Jul 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

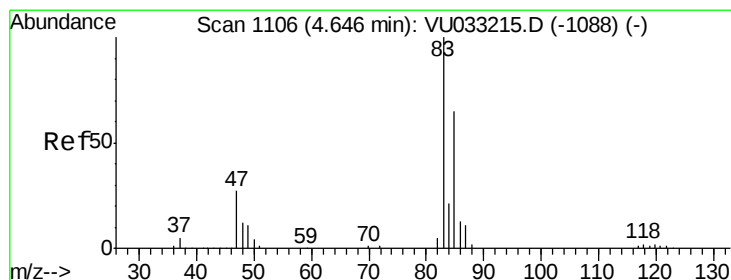
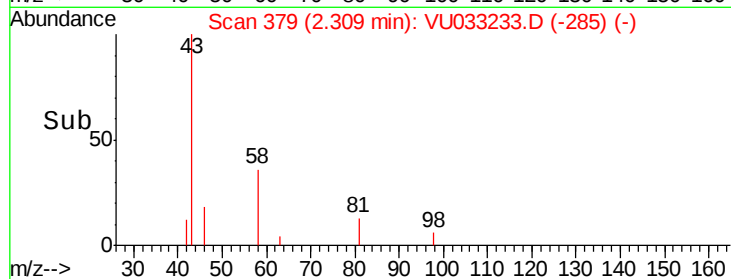
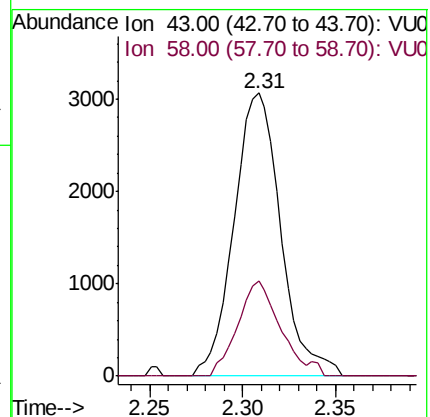
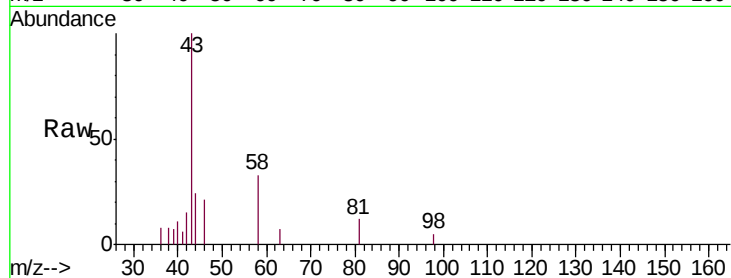
C0C88DL

Tgt Ion: 43 Resp: 5386

Ion Ratio Lower Upper

43 100

58 29.8 0.0 65.4



#25

Chloroform

Concen: 0.935 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033233.D

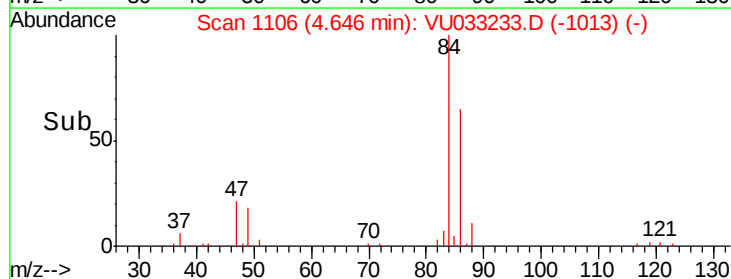
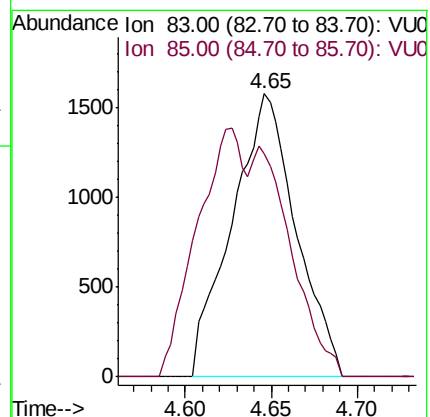
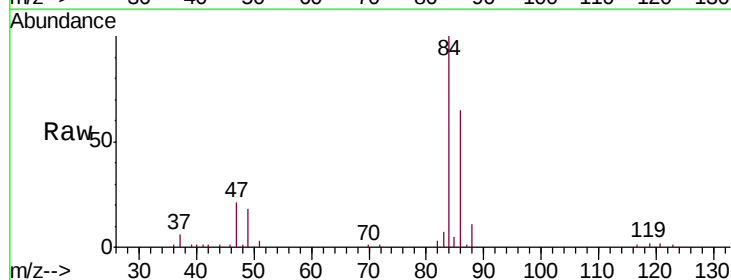
Acq: 12 Jul 2019 19:41

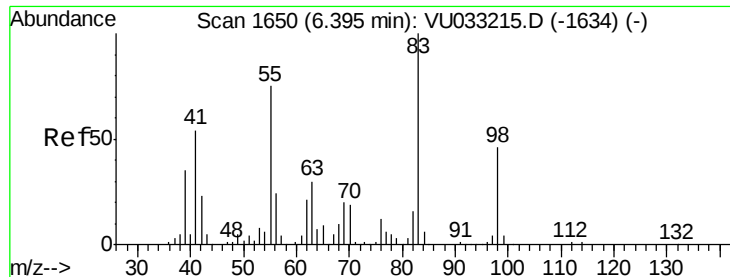
Tgt Ion: 83 Resp: 4088

Ion Ratio Lower Upper

83 100

85 78.7 45.4 84.4

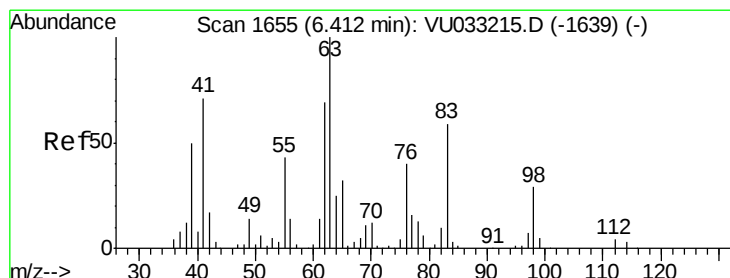
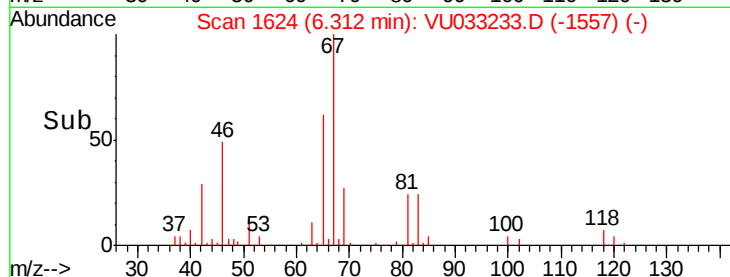
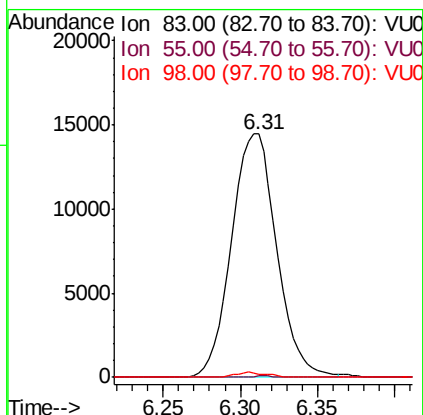
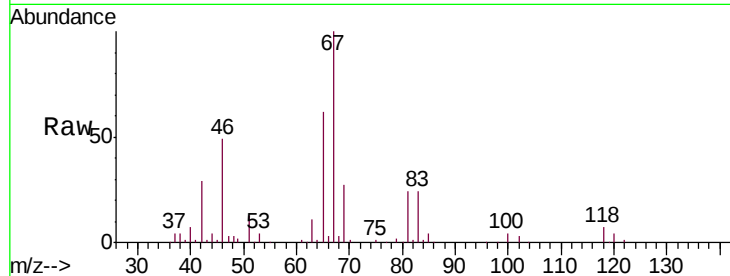




#35
Methylcyclohexane
Concen: 8.231 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU033233.D
Acq: 12 Jul 2019 19:41

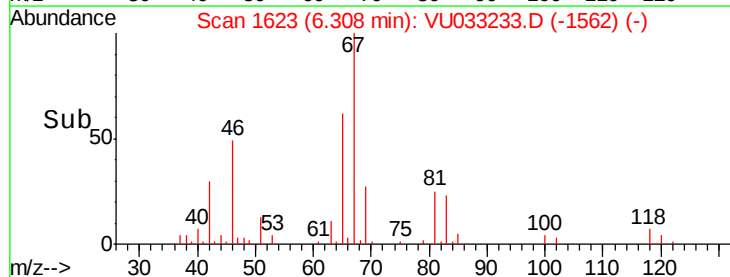
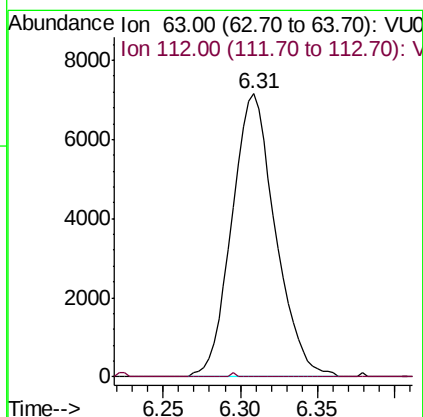
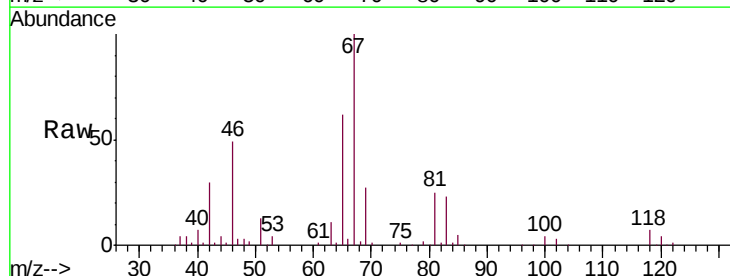
Instrument :
MSVOA_U
ClientSampleId :
C0C88DL

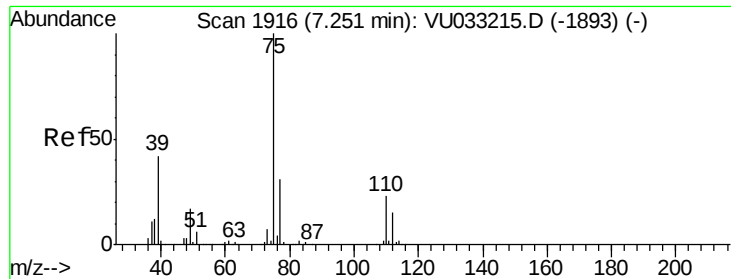
Tgt Ion: 83 Resp: 29401
Ion Ratio Lower Upper
83 100
55 0.2 60.5 90.7#
98 1.1 37.4 56.0#



#37
1,2-Dichloropropane
Concen: 5.784 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033233.D
Acq: 12 Jul 2019 19:41

Tgt Ion: 63 Resp: 13987
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

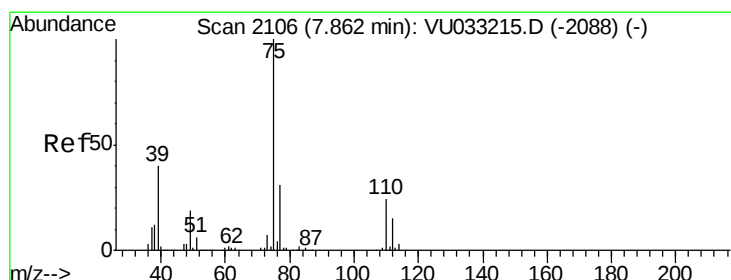
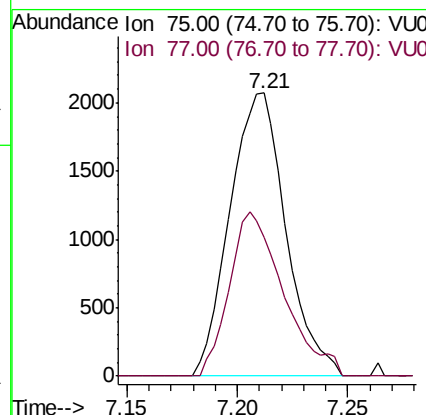
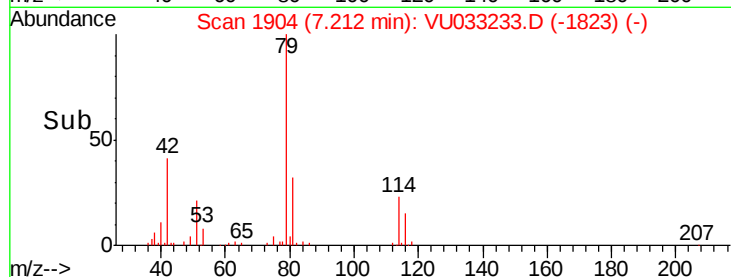
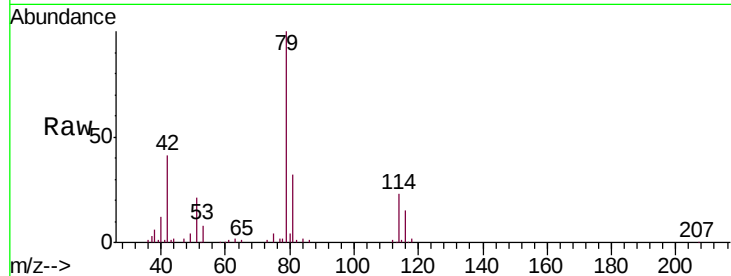




#39
 cis-1,3-Dichloropropene
 Concen: 0.985 ug/L
 RT: 7.21 min Scan# 1904
 Delta R.T. -0.04 min
 Lab File: VU033233.D
 Acq: 12 Jul 2019 19:41

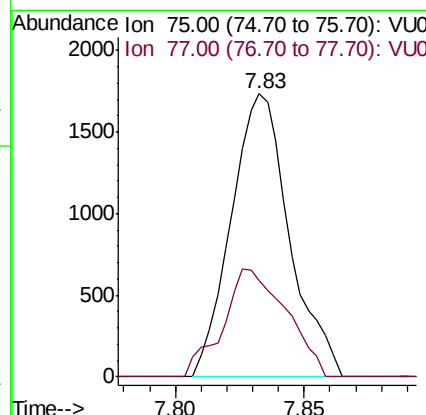
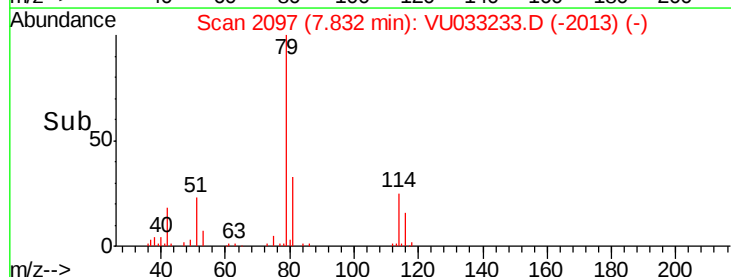
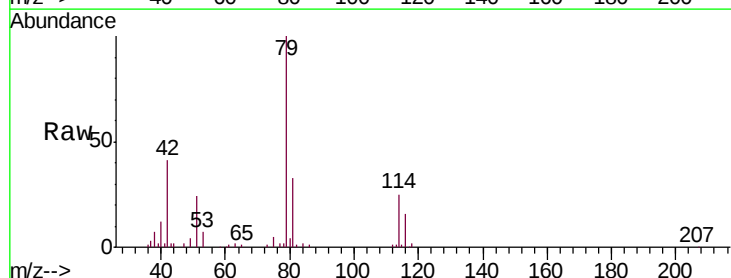
Instrument :
 MSVOA_U
 ClientSampleId :
 C0C88DL

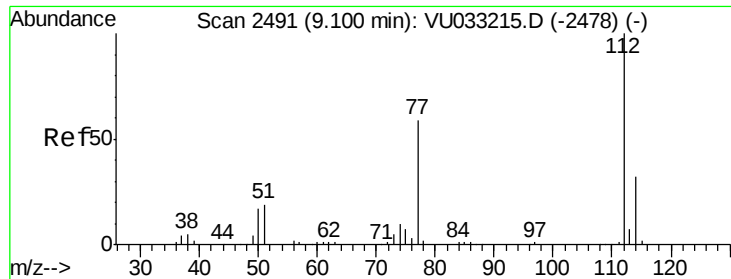
Tgt Ion: 75 Resp: 3652
 Ion Ratio Lower Upper
 75 100
 77 49.1 23.1 42.9#



#44
 trans-1,3-Dichloropropene
 Concen: 0.819 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033233.D
 Acq: 12 Jul 2019 19:41

Tgt Ion: 75 Resp: 2737
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.4 41.6

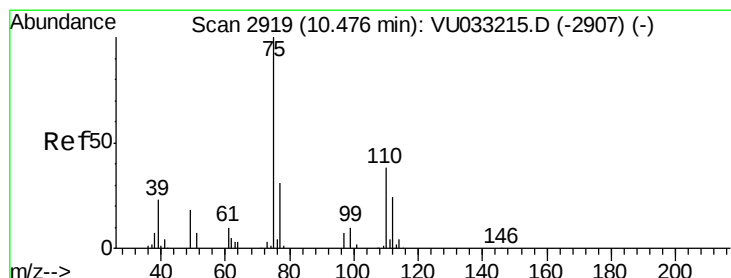
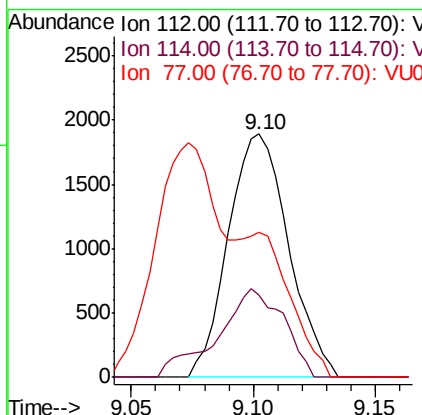
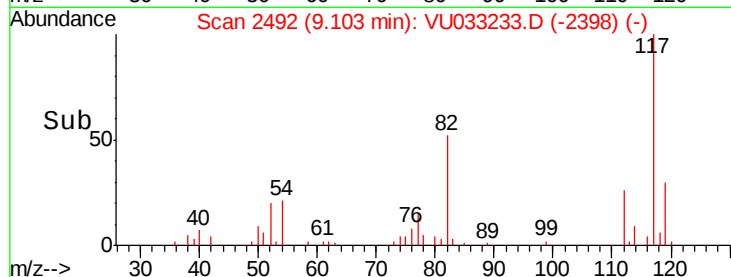
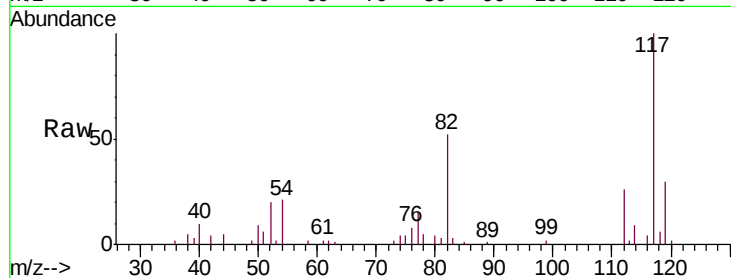




#51
Chlorobenzene
Concen: 0.517 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033233.D
Acq: 12 Jul 2019 19:41

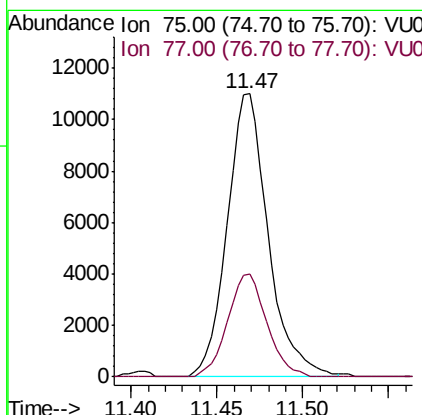
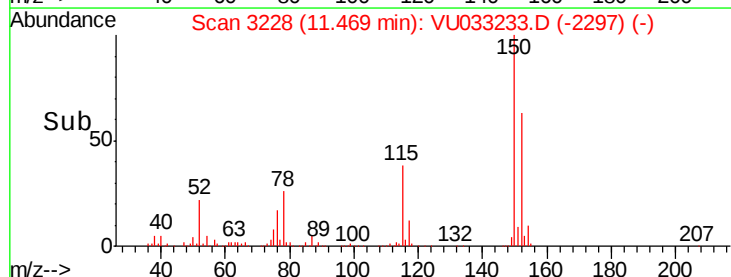
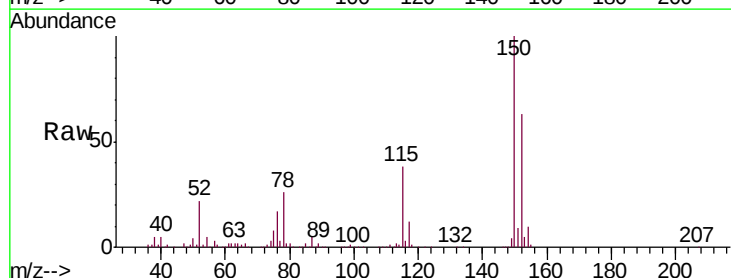
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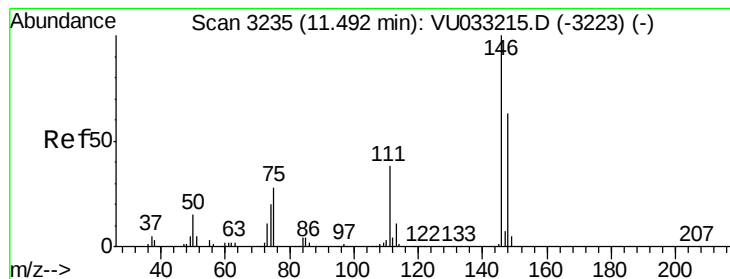
Tgt Ion: 112 Resp: 3246
Ion Ratio Lower Upper
112 100
114 33.5 22.3 41.3
77 59.5 47.2 70.8



#59
1,2,3-Trichloropropane
Concen: 5.802 ug/L
RT: 11.47 min Scan# 3228
Delta R.T. 0.99 min
Lab File: VU033233.D
Acq: 12 Jul 2019 19:41

Tgt Ion: 75 Resp: 18264
Ion Ratio Lower Upper
75 100
77 34.6 26.0 39.0





#63

1,4-Dichlorobenzene

Concen: 0.675 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033233.D

Acq: 12 Jul 2019 19:41

Instrument :

MSVOA_U

ClientSampleId :

C0C88DL

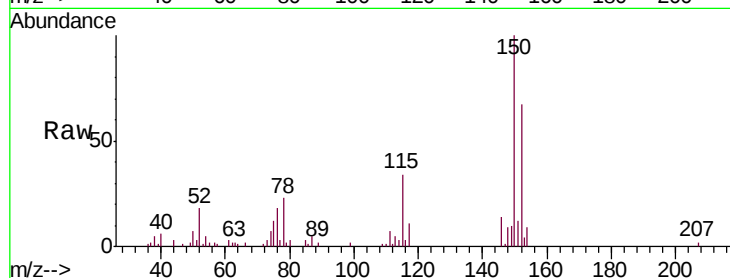
Tgt Ion:146 Resp: 2957

Ion Ratio Lower Upper

146 100

111 49.2 27.8 51.6

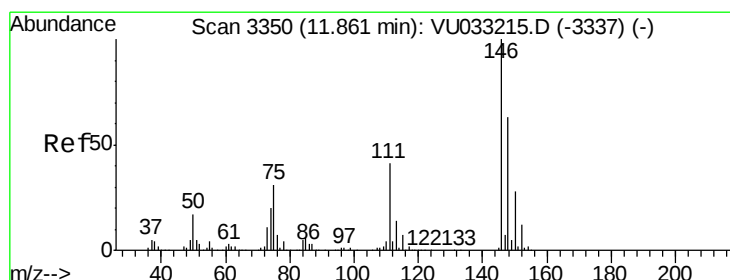
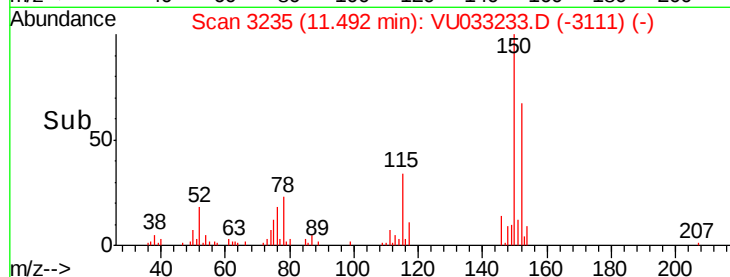
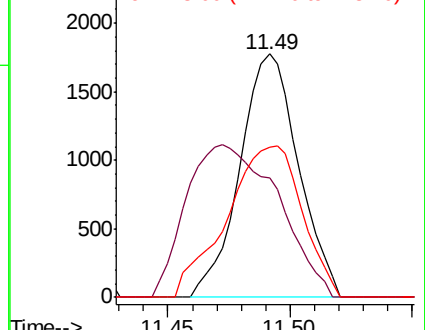
148 61.5 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 7.478 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033233.D

Acq: 12 Jul 2019 19:41

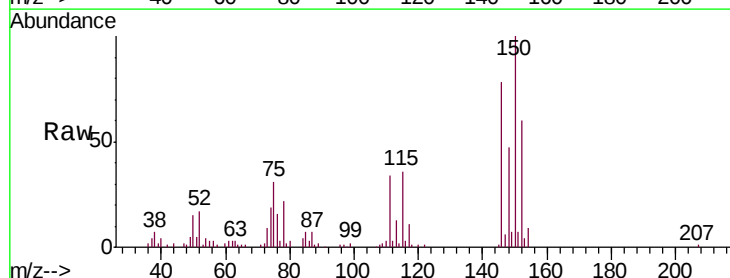
Tgt Ion:146 Resp: 32153

Ion Ratio Lower Upper

146 100

111 43.4 34.3 51.5

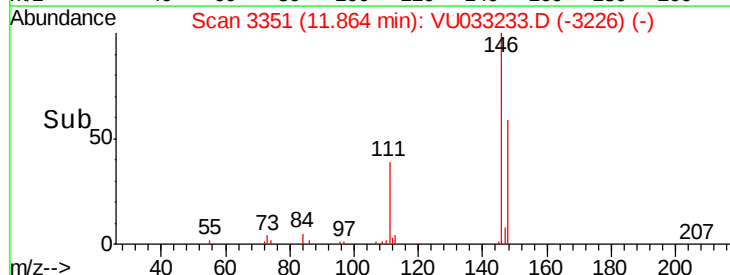
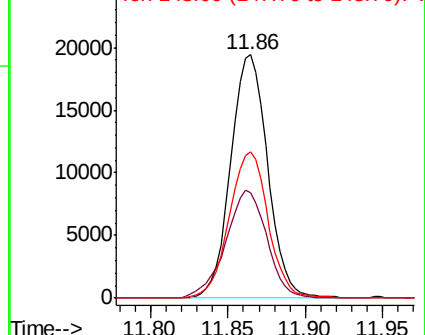
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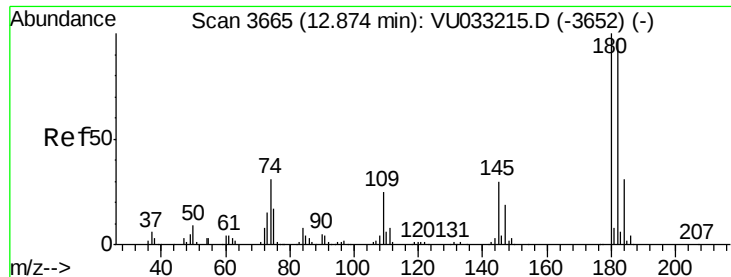


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

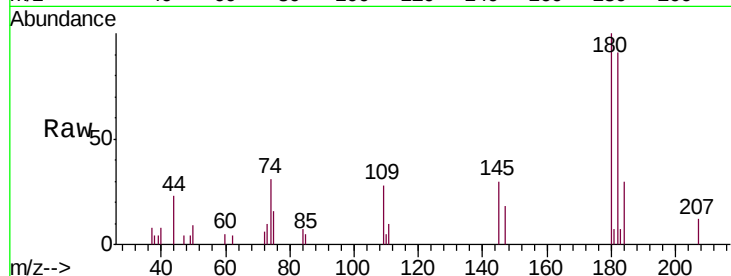




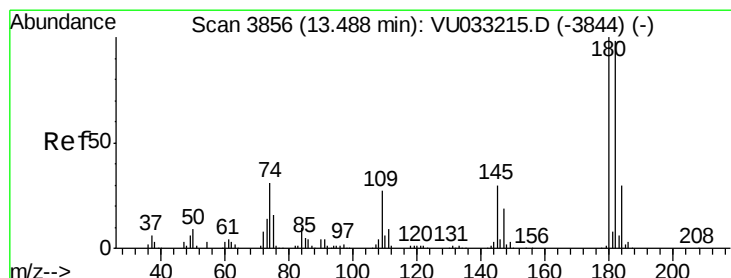
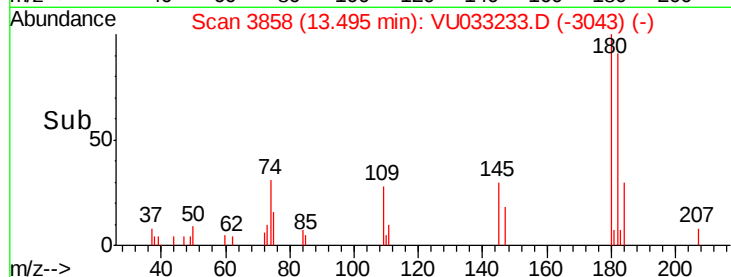
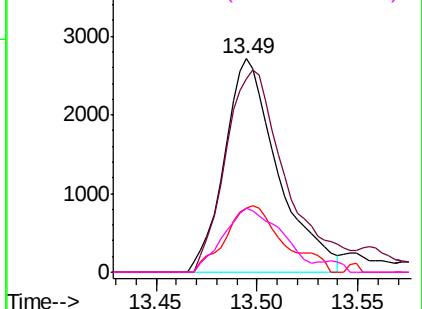
#67
 1,3,5-Trichlorobenzene
 Concen: 1.664 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.62 min
 Lab File: VU033233.D
 Acq: 12 Jul 2019 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C88DL

Tgt Ion:180 Resp: 5041
 Ion Ratio Lower Upper
 180 100
 182 107.5 75.5 113.3
 184 33.1 24.2 36.2
 145 32.4 24.1 36.1

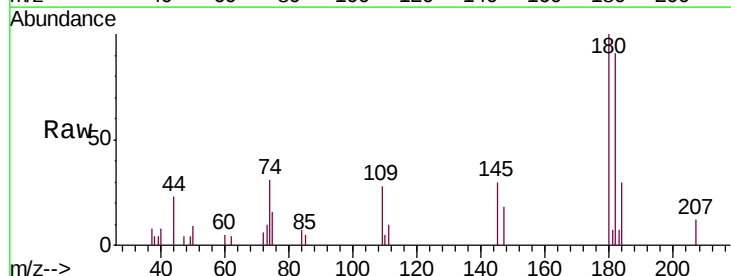


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

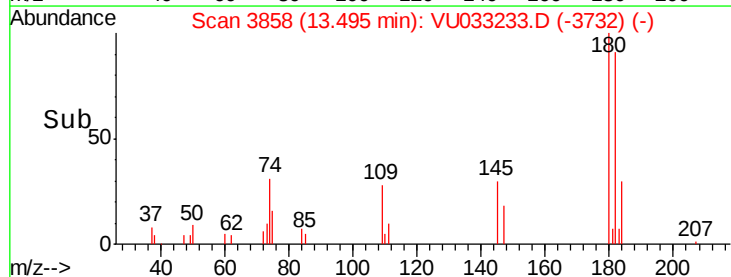
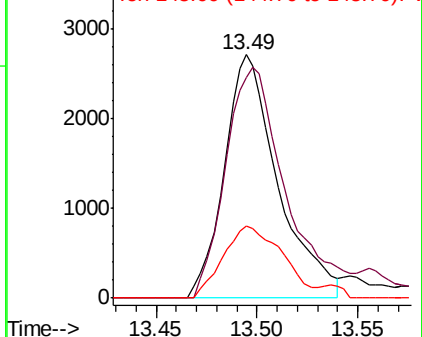


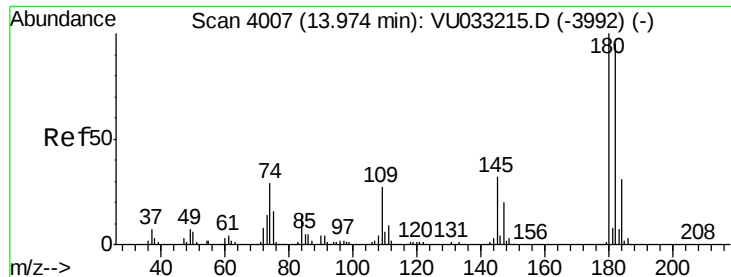
#68
 1,2,4-trichlorobenzene
 Concen: 1.905 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033233.D
 Acq: 12 Jul 2019 19:41

Tgt Ion:180 Resp: 5041
 Ion Ratio Lower Upper
 180 100
 182 107.5 76.5 114.7
 145 32.4 24.6 36.8



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

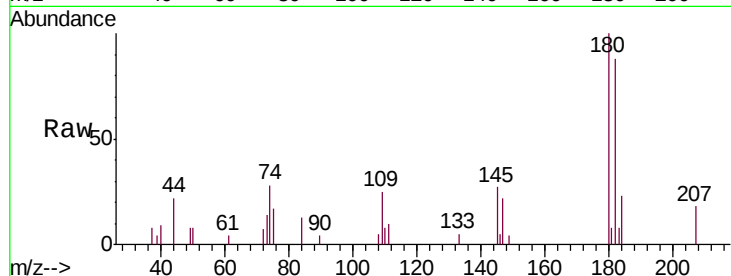




#70
 1,2,3-Trichlorobenzene
 Concen: 1.794 ug/L
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU033233.D
 Acq: 12 Jul 2019 19:41

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C88DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.8	77.4	116.2
145	28.0	26.2	39.2



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

