

Data File : VU033234.D
Acq On : 12 Jul 2019 20:04
Operator : JC/SP
Sample : K3787-05DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C93DL

Quant Time: Jul 13 00:13:42 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	295925	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294622	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	133950	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	114889	51.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.58%
7) Chloroethane-d5	1.67	69	103725	54.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.25	63	175698	43.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.48%
21) 2-Butanone-d5	4.15	46	157076	110.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.66%
24) Chloroform-d	4.62	84	191114	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
26) 1,2-Dichloroethane-d4	5.29	65	130311	54.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.24%
32) Benzene-d6	5.32	84	404533	55.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.94%
36) 1,2-Dichloropropane-d6	6.31	67	128498	55.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.00%
41) Toluene-d8	7.55	98	359481	52.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.48%
43) trans-1,3-Dichloropropene-	7.83	79	58967	51.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.88%
47) 2-Hexanone-d5	8.29	63	118704	113.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	187178	53.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.84%
64) 1,2-Dichlorobenzene-d4	11.85	152	141006	59.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.06%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1486	0.736 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1295	0.656 ug/L #	1
25) Chloroform	4.65	83	8098	1.940 ug/L	95
33) Benzene	5.37	78	94814	11.035 ug/L	100
37) 1,2-Dichloropropane	6.31	63	13917	5.973 ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3871	1.084 ug/L #	62
40) 4-Methyl-2-pentanone	7.55	43	1588	0.508 ug/L #	1
44) trans-1,3-Dichloropropene	7.83	75	2667	0.828 ug/L #	78
51) Chlorobenzene	9.10	112	263774	43.627 ug/L	99
59) 1,2,3-Trichloropropane	11.40	75	3277	1.080 ug/L #	42
62) 1,3-Dichlorobenzene	11.40	146	11098	2.692 ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	103070	23.907 ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	132322	31.291 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	13717	4.603 ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	13717	5.270 ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	3844	1.360 ug/L	96

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

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Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

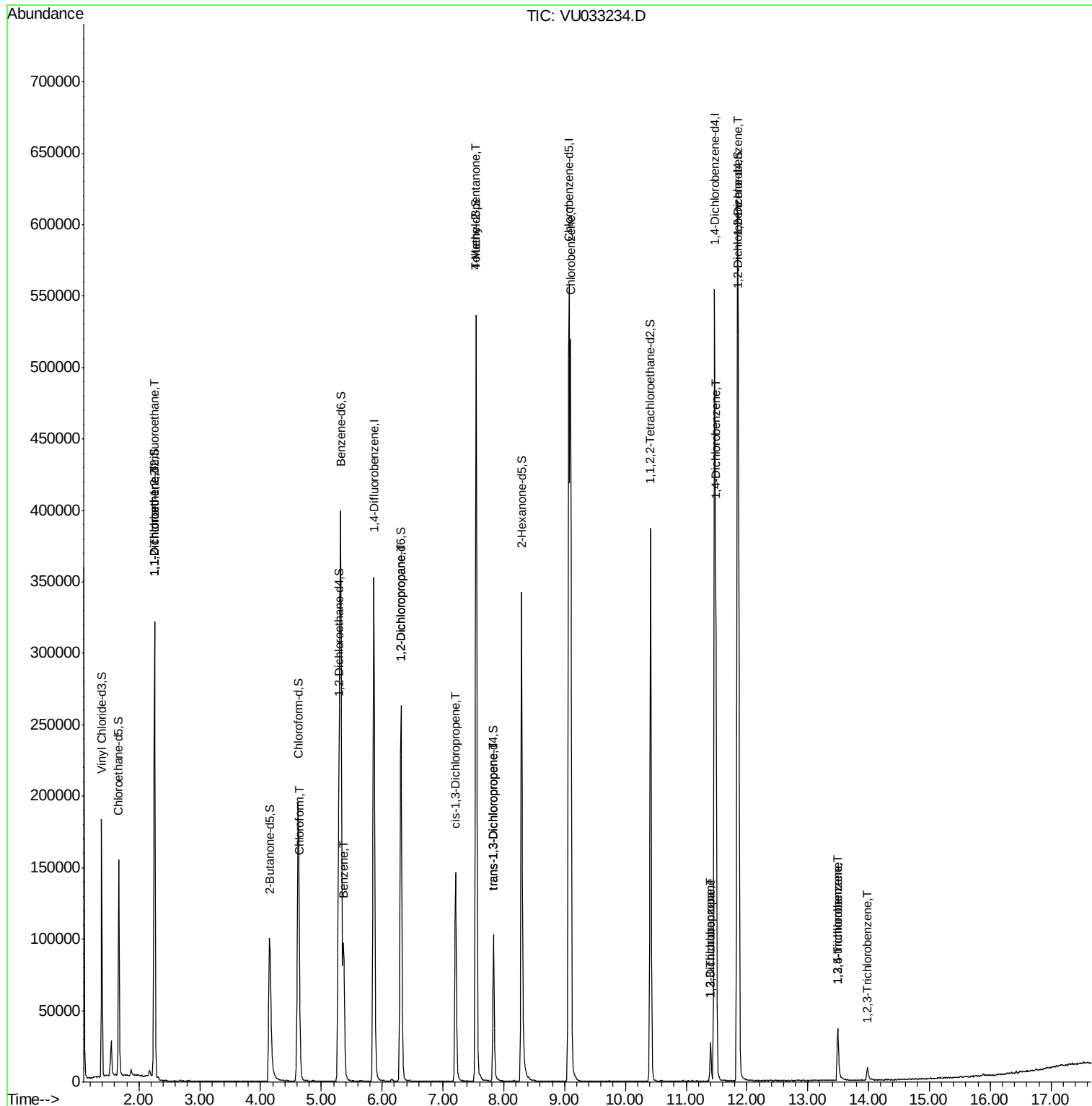
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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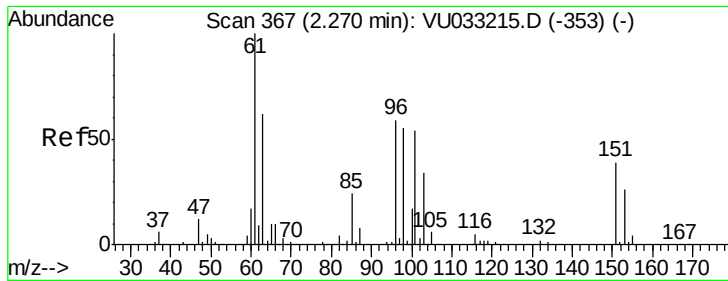
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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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: 0.736 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033234.D

Acq: 12 Jul 2019 20:04

Instrument :

MSVOA_U

ClientSampleId :

C0C93DL

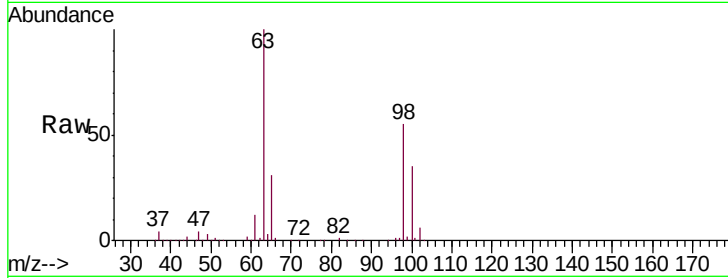
Tgt Ion:101 Resp: 1486

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

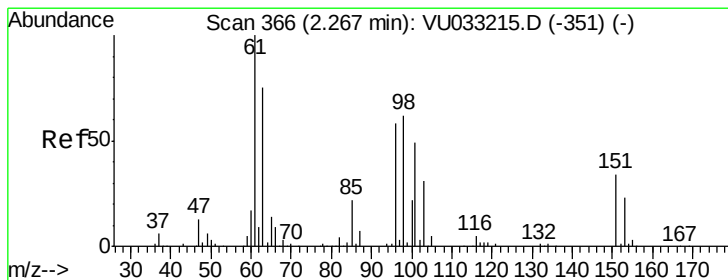
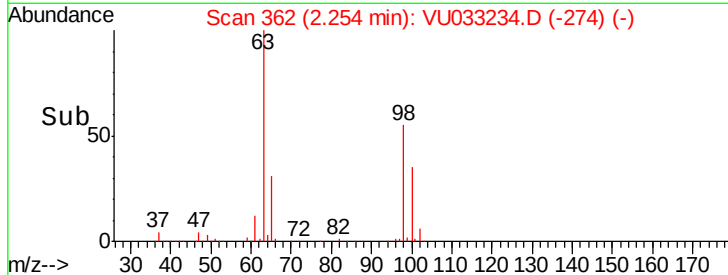
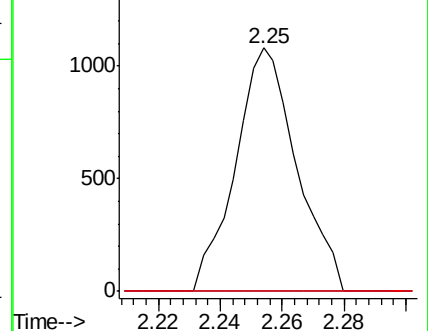
151 0.0 56.7 85.1#



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: 0.656 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033234.D

Acq: 12 Jul 2019 20:04

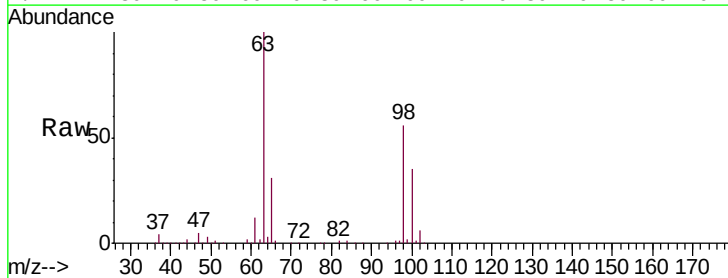
Tgt Ion: 96 Resp: 1295

Ion Ratio Lower Upper

96 100

61 1627.6 126.1 234.1#

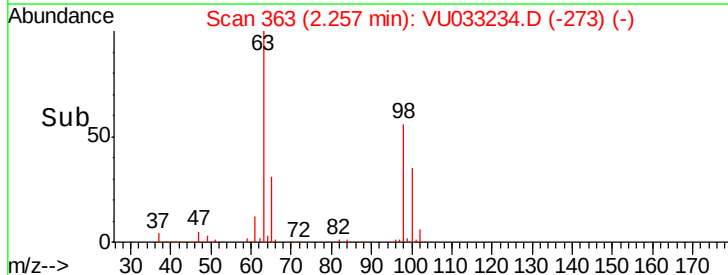
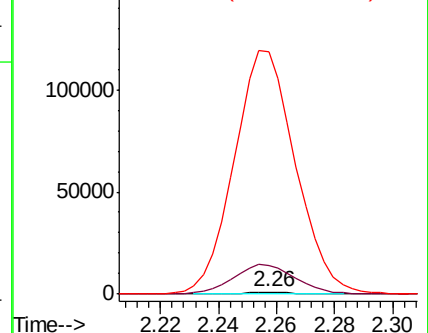
63 13539.0 96.8 179.8#

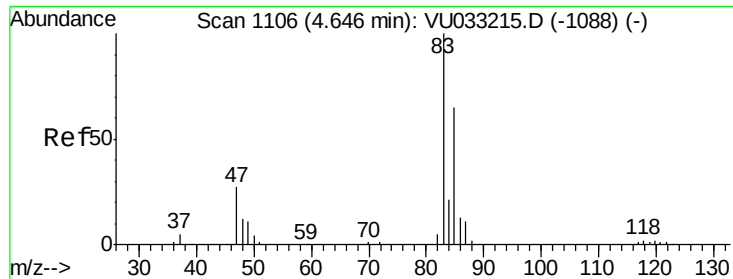


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

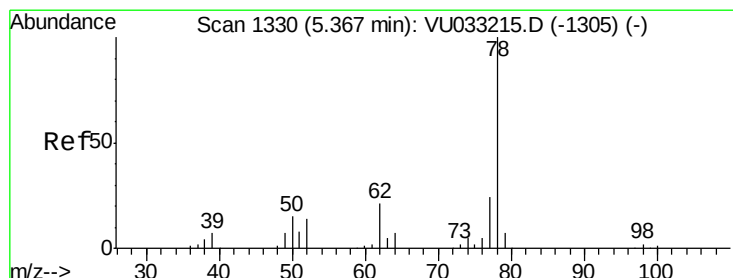
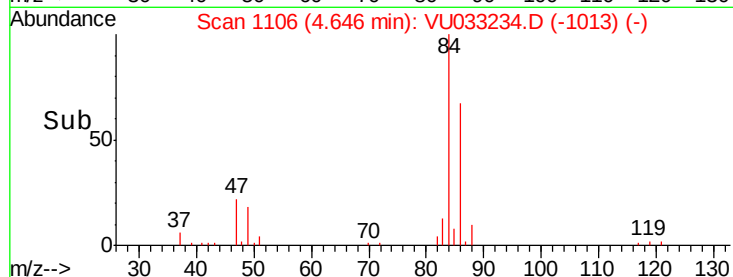
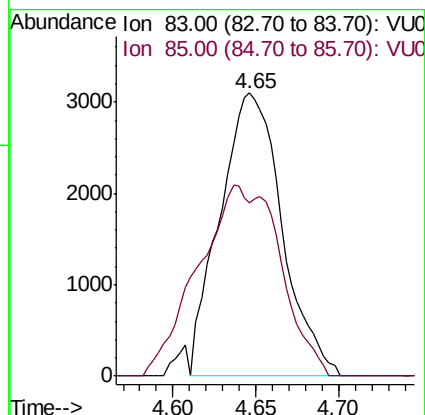
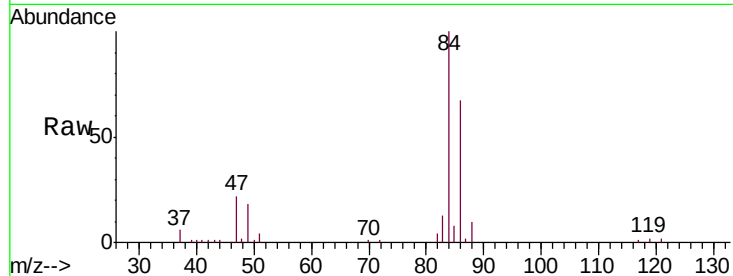




#25
Chloroform
Concen: 1.940 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033234.D
Acq: 12 Jul 2019 20:04

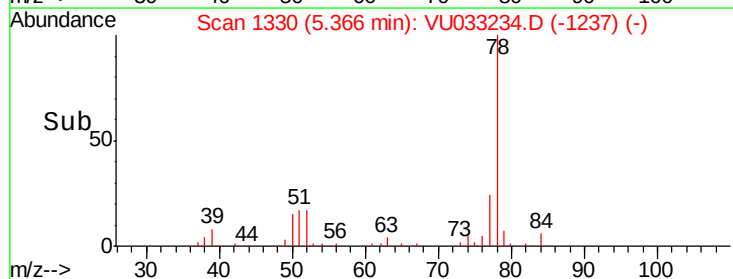
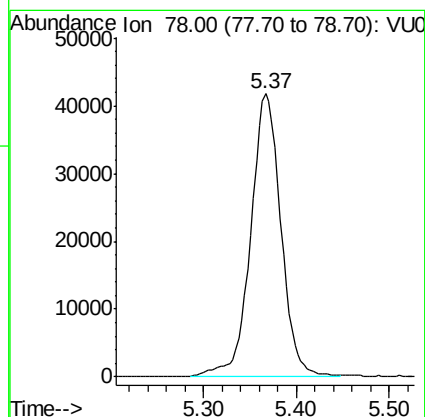
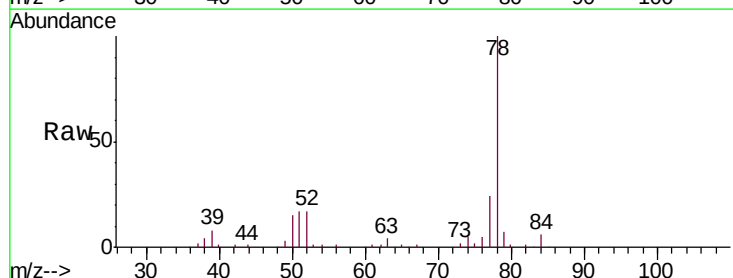
Instrument :
MSVOA_U
ClientSampleId :
C0C93DL

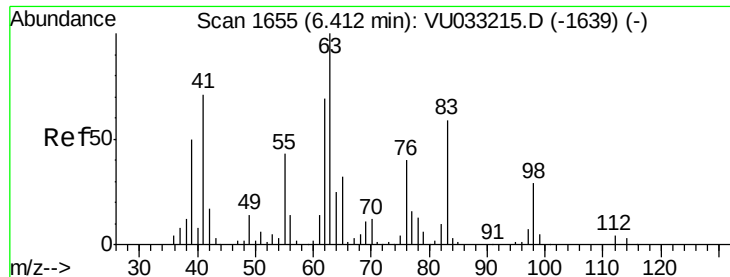
Tgt Ion: 83 Resp: 8098
Ion Ratio Lower Upper
83 100
85 61.1 45.4 84.4



#33
Benzene
Concen: 11.035 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU033234.D
Acq: 12 Jul 2019 20:04

Tgt Ion: 78 Resp: 94814

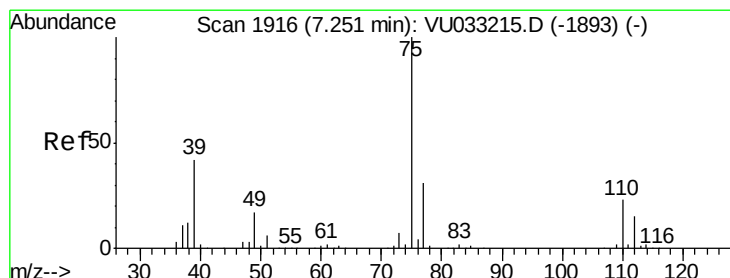
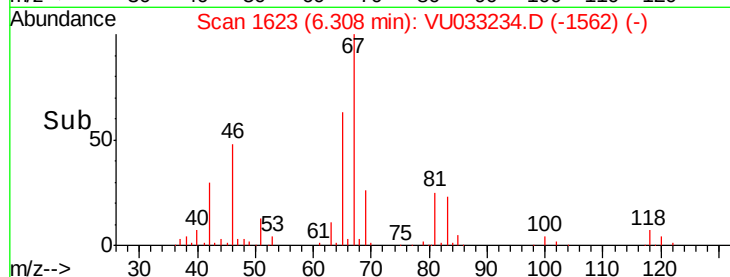
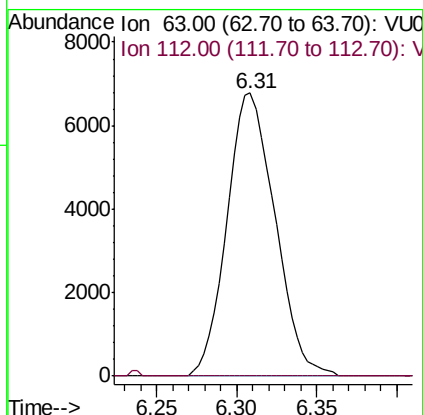
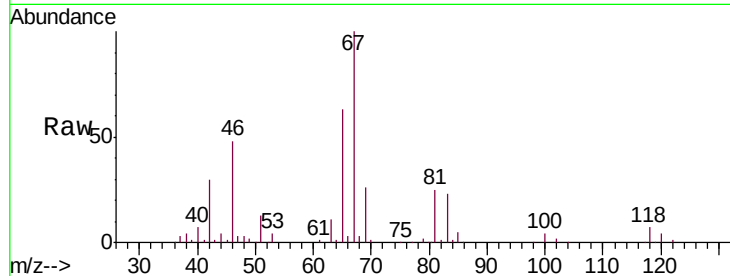




#37
 1,2-Dichloropropane
 Concen: 5.973 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

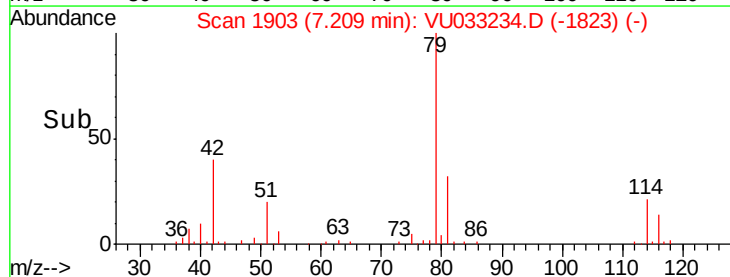
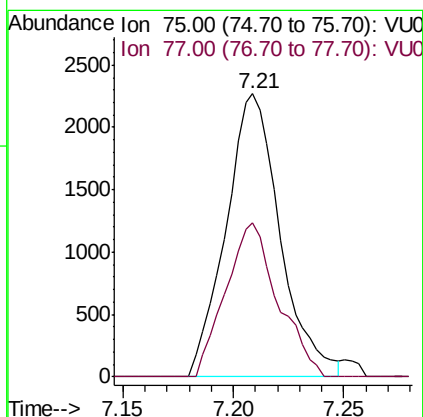
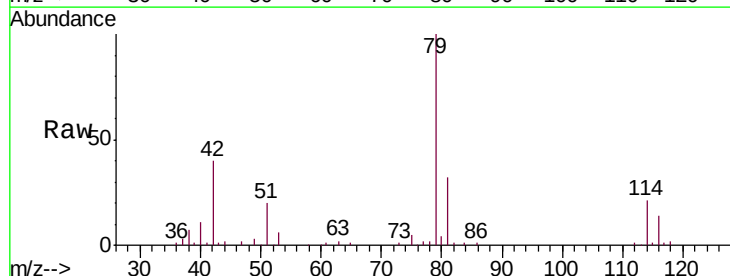
Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93DL

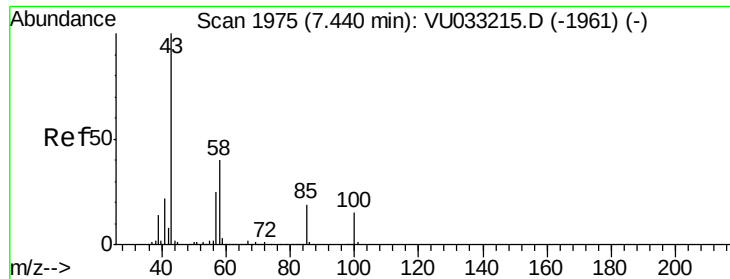
Tgt Ion: 63 Resp: 13917
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.084 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Tgt Ion: 75 Resp: 3871
 Ion Ratio Lower Upper
 75 100
 77 54.6 23.1 42.9#

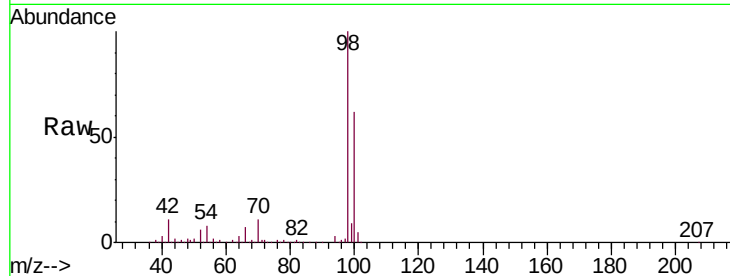




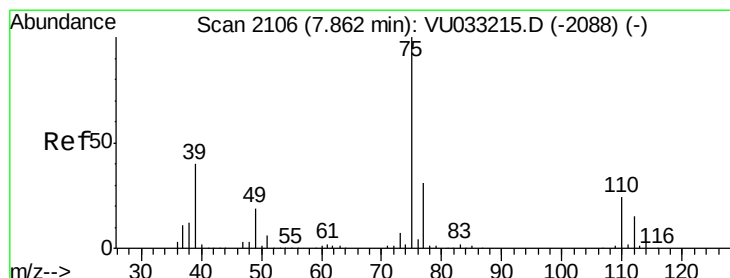
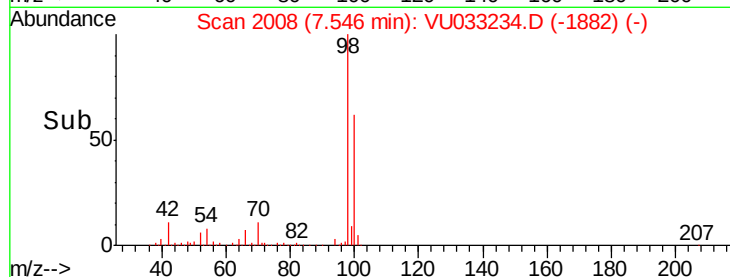
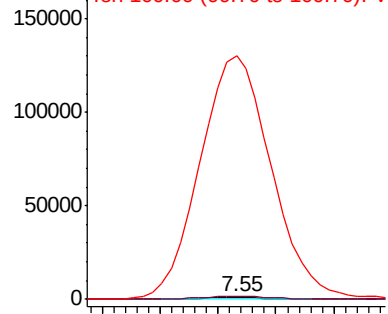
#40
 4-Methyl-2-pentanone
 Concen: 0.508 ug/L
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.11 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93DL

Tgt Ion: 43 Resp: 1588
 Ion Ratio Lower Upper
 43 100
 58 173.6 33.3 49.9#
 100 14210.5 12.1 18.1#

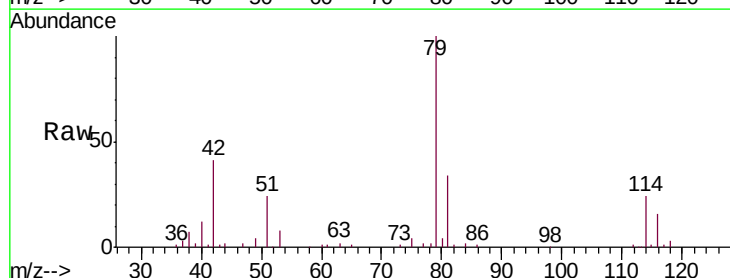


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

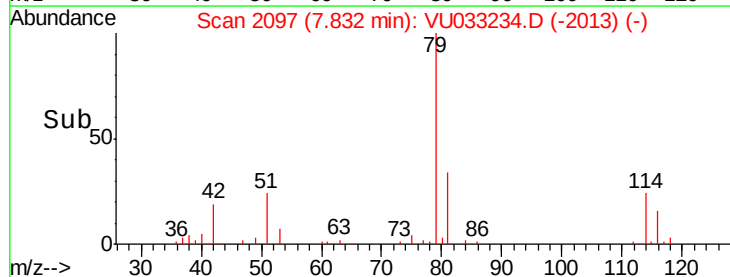
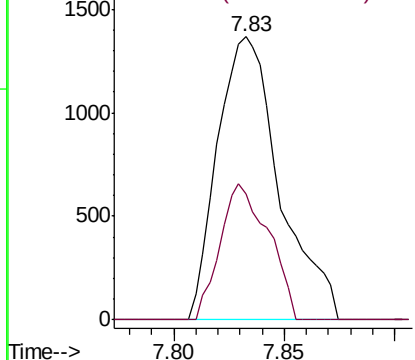


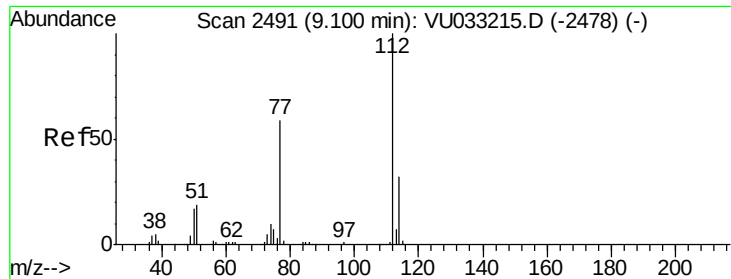
#44
 trans-1,3-Dichloropropene
 Concen: 0.828 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Tgt Ion: 75 Resp: 2667
 Ion Ratio Lower Upper
 75 100
 77 44.4 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

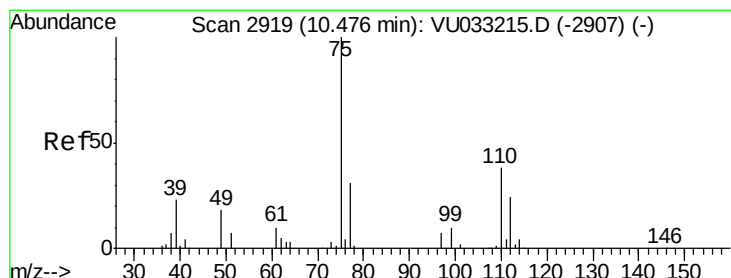
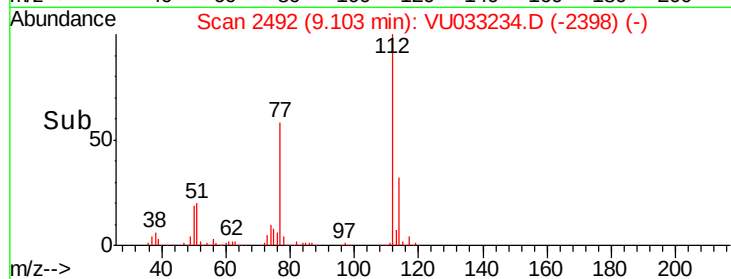
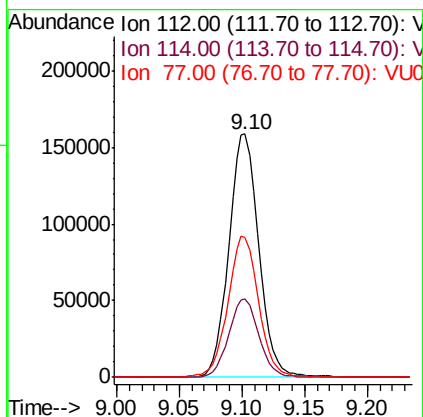
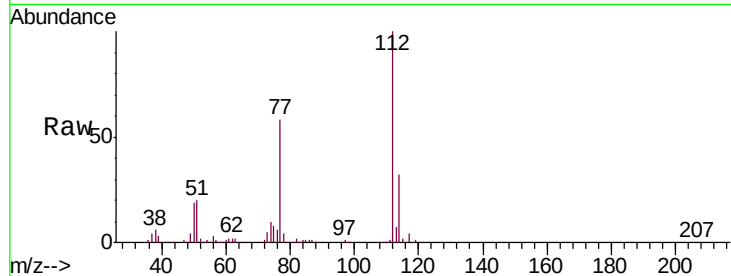




#51
Chlorobenzene
Concen: 43.627 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033234.D
Acq: 12 Jul 2019 20:04

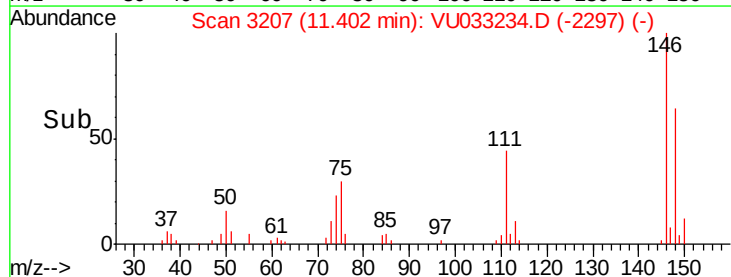
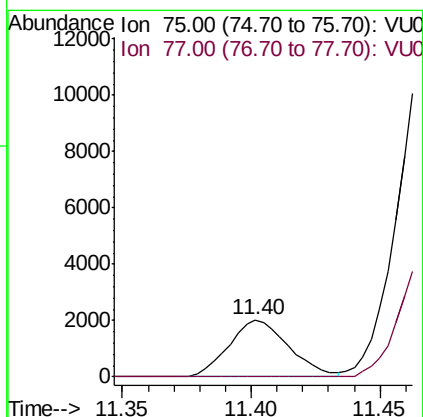
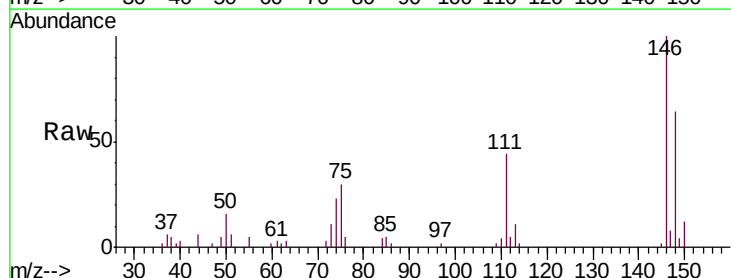
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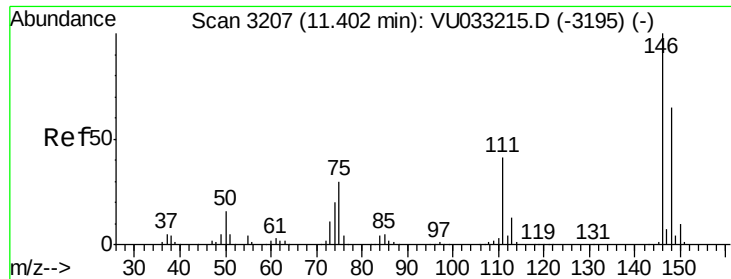
Tgt Ion: 112 Resp: 263774
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.3
77 57.6 47.2 70.8



#59
1,2,3-Trichloropropane
Concen: 1.080 ug/L
RT: 11.40 min Scan# 3207
Delta R.T. 0.93 min
Lab File: VU033234.D
Acq: 12 Jul 2019 20:04

Tgt Ion: 75 Resp: 3277
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

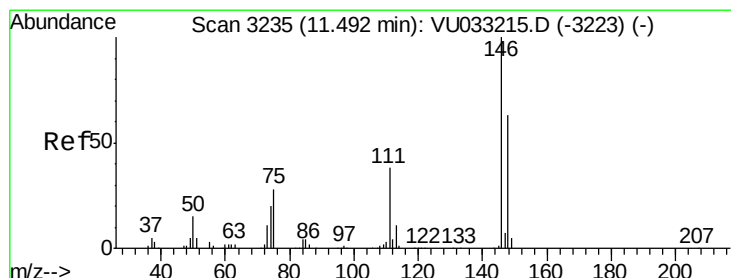
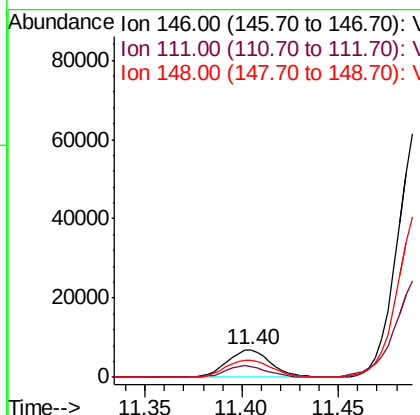
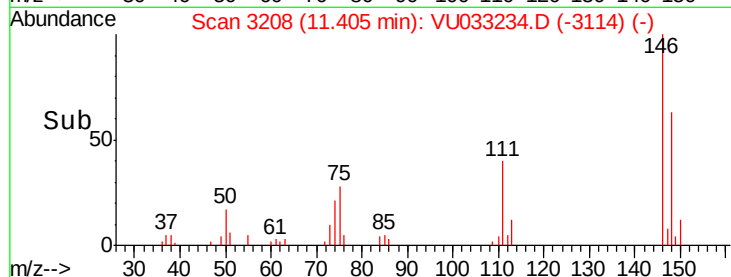
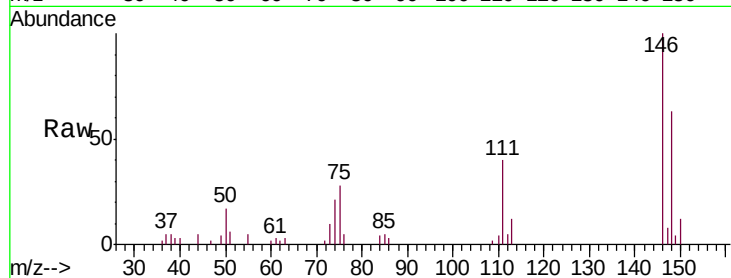




#62
 1,3-Dichlorobenzene
 Concen: 2.692 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

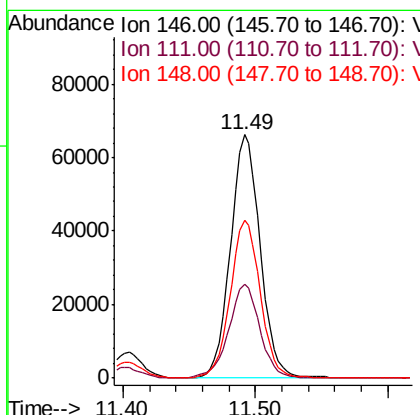
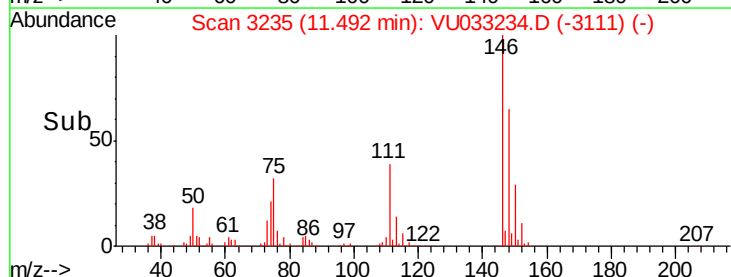
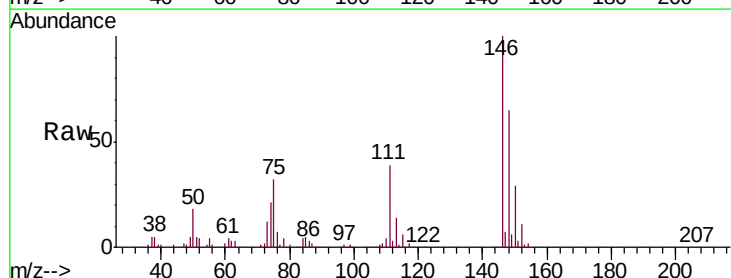
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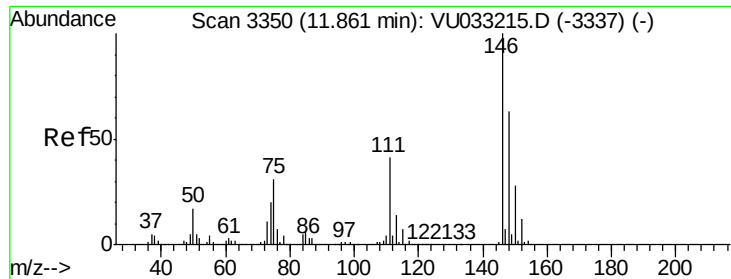
Tgt Ion:146 Resp: 11098
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.0 52.0
 148 62.8 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 23.907 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Tgt Ion:146 Resp: 103070
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.8 51.6
 148 64.6 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 31.291 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033234.D

Acq: 12 Jul 2019 20:04

Instrument :

MSVOA_U

ClientSampleId :

C0C93DL

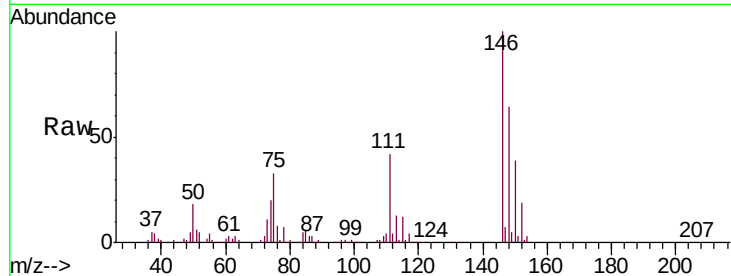
Tgt Ion:146 Resp: 132322

Ion Ratio Lower Upper

146 100

111 41.7 34.3 51.5

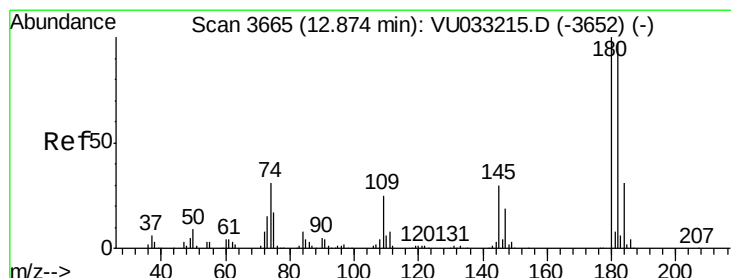
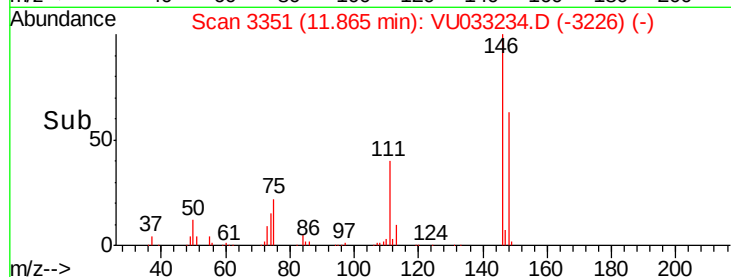
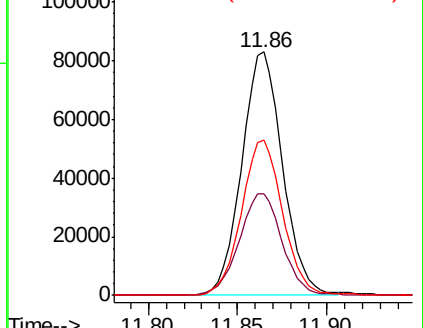
148 64.0 51.5 77.3



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: 4.603 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.62 min

Lab File: VU033234.D

Acq: 12 Jul 2019 20:04

Tgt Ion:180 Resp: 13717

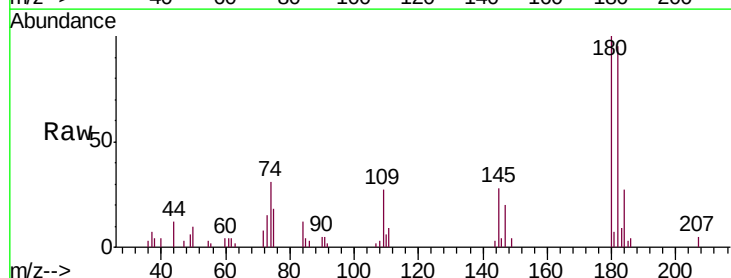
Ion Ratio Lower Upper

180 100

182 98.6 75.5 113.3

184 29.4 24.2 36.2

145 29.1 24.1 36.1

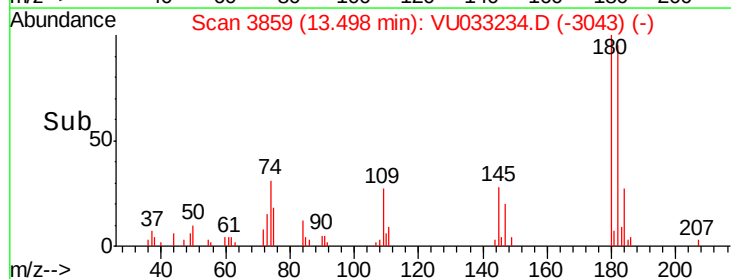
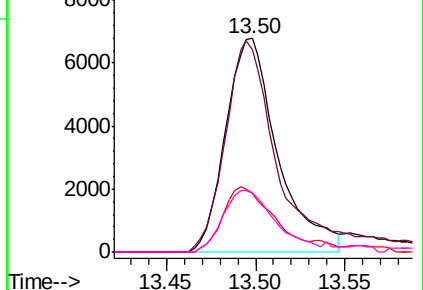


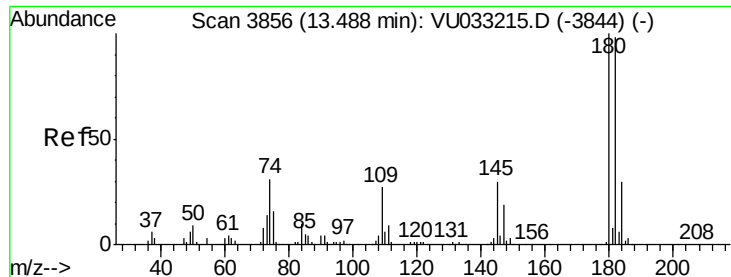
Abundance Ion 180.00 (179.70 to 180.70): V

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

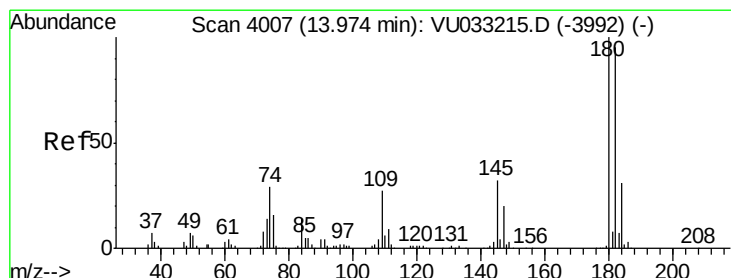
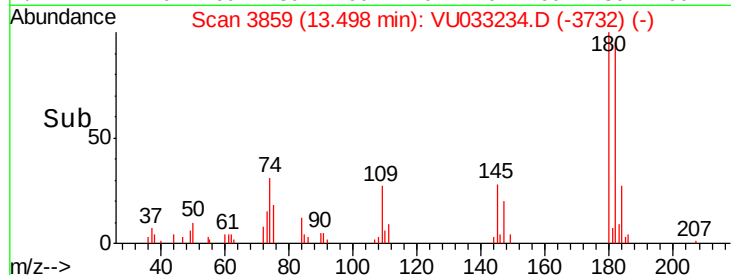
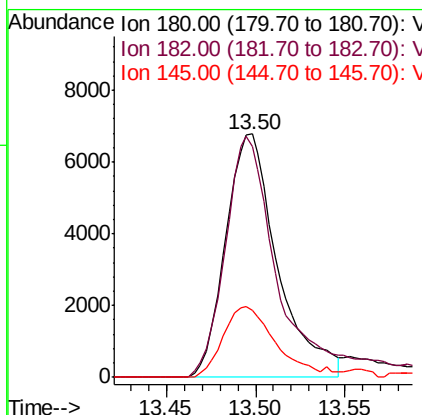
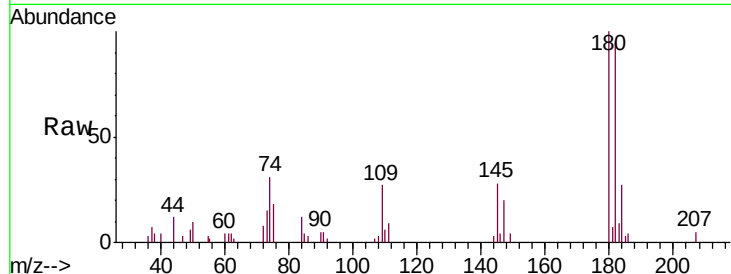




#68
 1,2,4-trichlorobenzene
 Concen: 5.270 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93DL

Tgt Ion:180 Resp: 13717
 Ion Ratio Lower Upper
 180 100
 182 98.6 76.5 114.7
 145 29.1 24.6 36.8



#70
 1,2,3-Trichlorobenzene
 Concen: 1.360 ug/L
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.00 min
 Lab File: VU033234.D
 Acq: 12 Jul 2019 20:04

Tgt Ion:180 Resp: 3844
 Ion Ratio Lower Upper
 180 100
 182 98.6 77.4 116.2
 145 27.5 26.2 39.2

