

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110719\
 Data File : VU035674.D
 Acq On : 07 Nov 2019 20:54
 Operator : JC/SP
 Sample : K5739-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CR1

Quant Time: Nov 08 06:17:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 08 06:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	701759	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	687029	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	236609	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	273263	48.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.42%
7) Chloroethane-d5	1.94	69	228767	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.08%
11) 1,1-Dichloroethene-d2	2.60	63	325922	36.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.96%
21) 2-Butanone-d5	4.69	46	324956	98.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.15%
24) Chloroform-d	5.11	84	428507	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
26) 1,2-Dichloroethane-d4	5.75	65	268589	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
32) Benzene-d6	5.77	84	916915	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.74	67	298157	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.68%
41) Toluene-d8	7.93	98	835483	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%
43) trans-1,3-Dichloropropene-	8.21	79	129122	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.54%
47) 2-Hexanone-d5	8.68	63	212717	95.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.57%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	397652	48.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.30%
64) 1,2-Dichlorobenzene-d4	12.22	152	260353	54.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.10%

Target Compounds

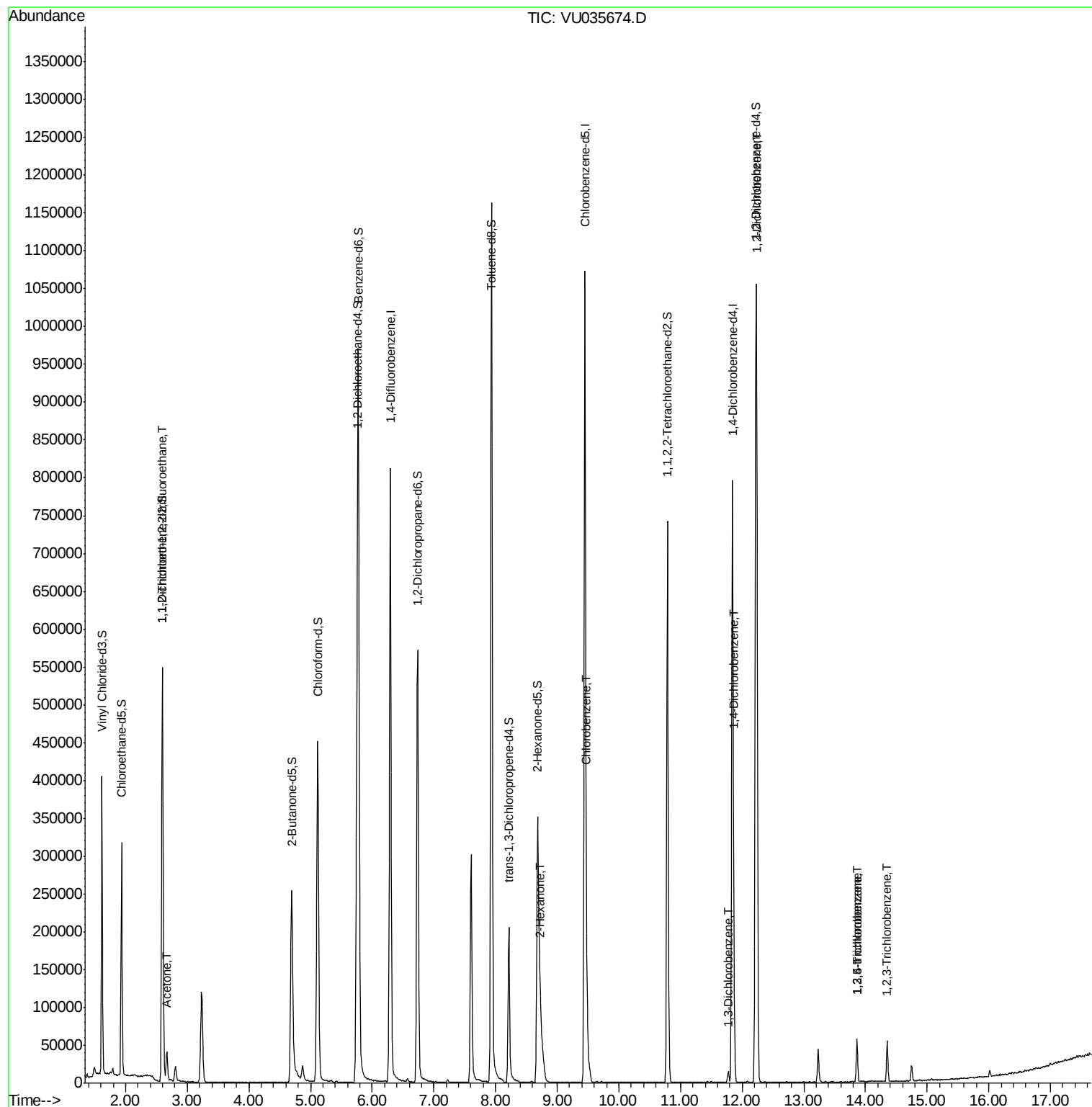
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3245	0.744	ug/L #	17
13) Acetone	2.67	43	41181	14.138	ug/L	97
48) 2-Hexanone	8.73	43	22882	4.068	ug/L #	80
51) Chlorobenzene	9.48	112	60161	4.453	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	7464	1.000	ug/L	94
63) 1,4-Dichlorobenzene	11.87	146	55763	7.354	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	284244	37.405	ug/L	99
67) 1,3,5-Trichlorobenzene	13.86	180	19765	4.583	ug/L	96
68) 1,2,4-trichlorobenzene	13.86	180	19765	6.842	ug/L	96
70) 1,2,3-Trichlorobenzene	14.35	180	17325	5.566	ug/L	99

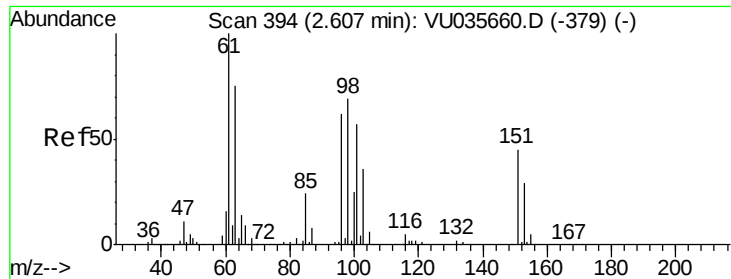
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.744 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035674.D

Acq: 07 Nov 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

C0CR1

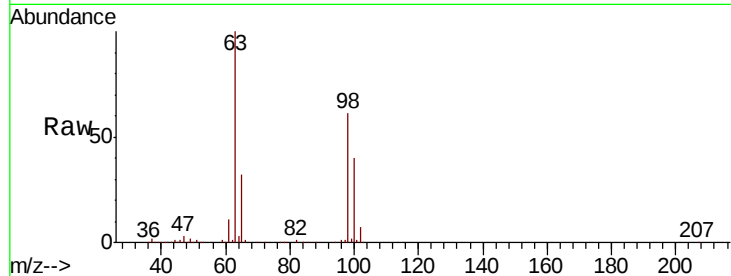
Tot Ion:101 Resp: 3245

Ion Ratio Lower Upper

101 100

85 0.0 34.0 51.0#

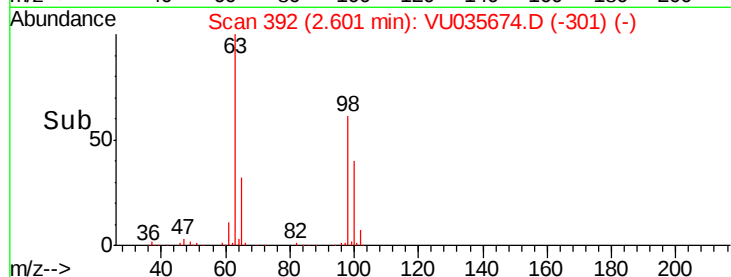
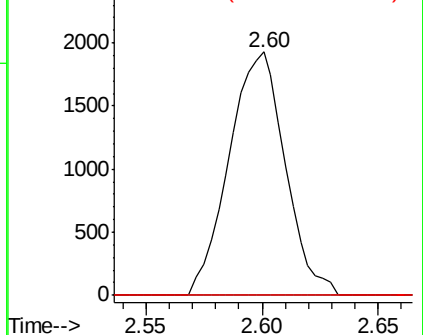
151 0.0 64.2 96.4#



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



#13

Acetone

Concen: 14.138 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035674.D

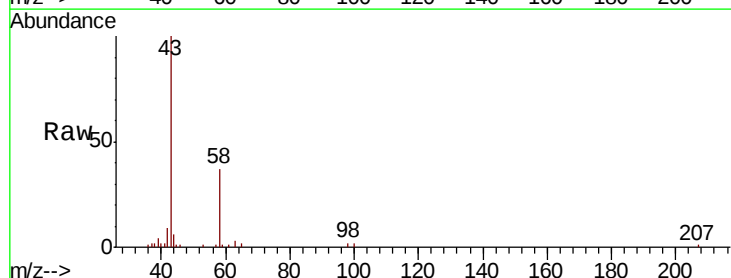
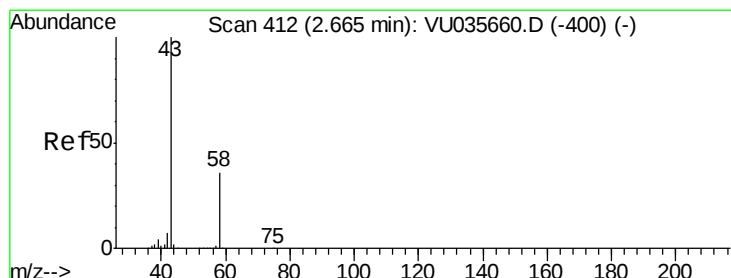
Acq: 07 Nov 2019 20:54

Tgt Ion: 43 Resp: 41181

Ion Ratio Lower Upper

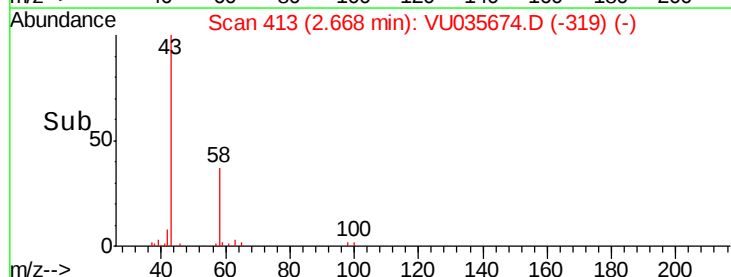
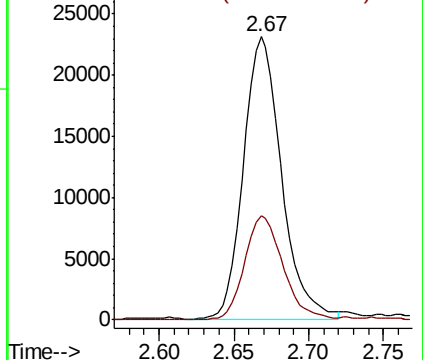
43 100

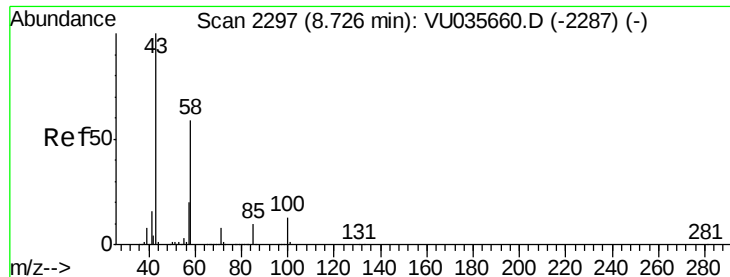
58 36.9 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

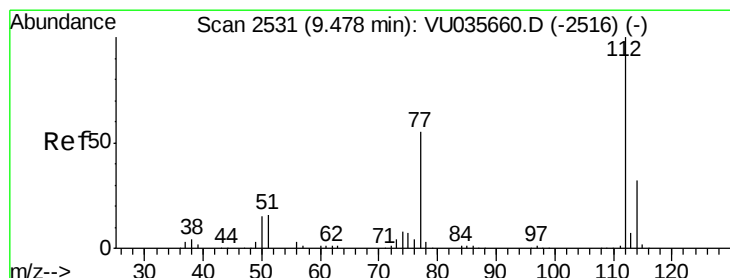
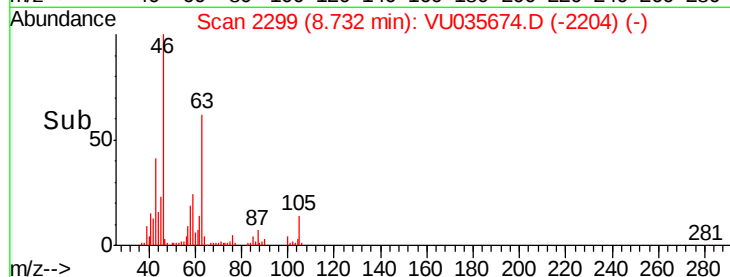
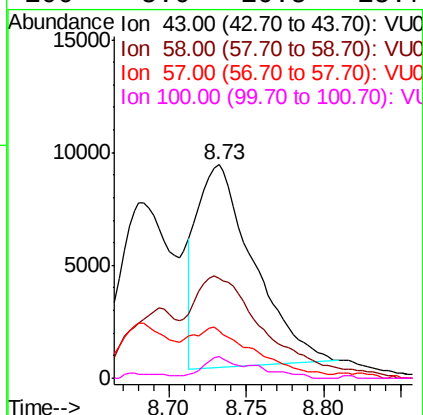
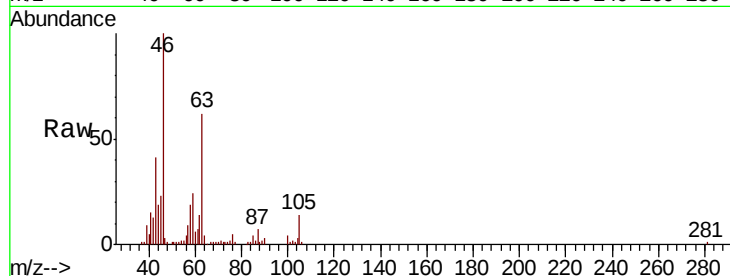




#48
2-Hexanone
Concen: 4.068 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VU035674.D
Acq: 07 Nov 2019 20:54

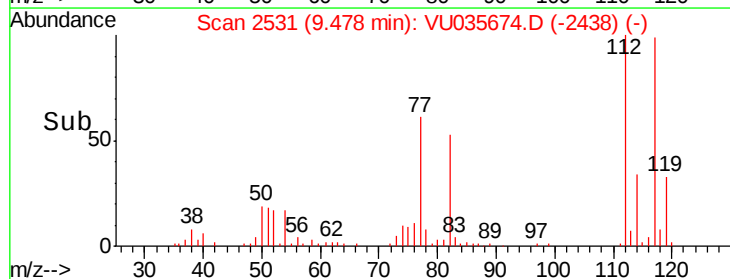
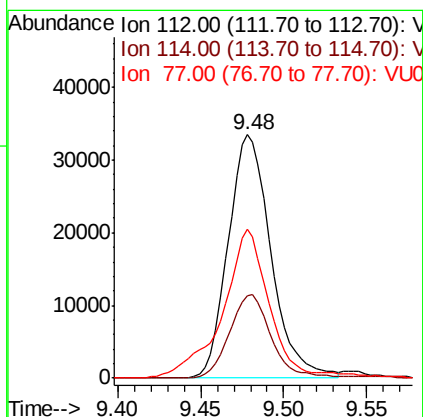
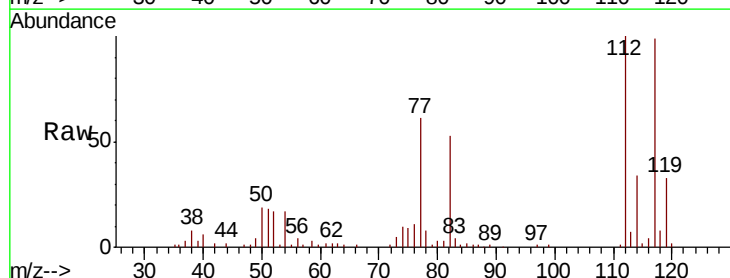
Instrument :
MSVOA_U
ClientSampled :
C0CR1

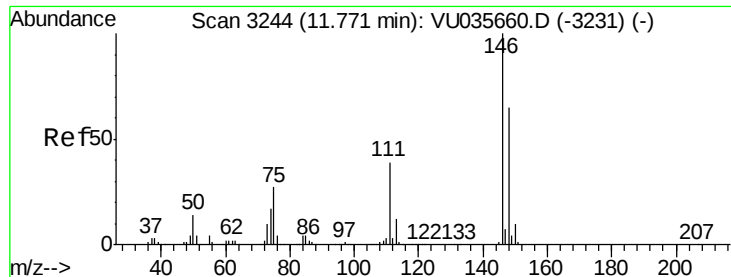
Tot Ion: 43 Resp: 22882
Ion Ratio Lower Upper
43 100
58 54.9 50.4 75.6
57 0.0 17.4 26.0#
100 5.0 10.5 15.7#



#51
Chlorobenzene
Concen: 4.453 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035674.D
Acq: 07 Nov 2019 20:54

Tgt Ion: 112 Resp: 60161
Ion Ratio Lower Upper
112 100
114 33.8 22.7 42.3
77 61.3 45.9 68.9





#62

1,3-Dichlorobenzene

Concen: 1.000 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035674.D

Acq: 07 Nov 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

C0CR1

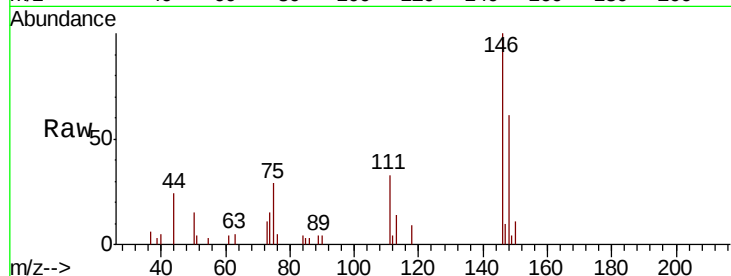
Tot Ion:146 Resp: 7464

Ion Ratio Lower Upper

146 100

111 33.5 27.8 51.6

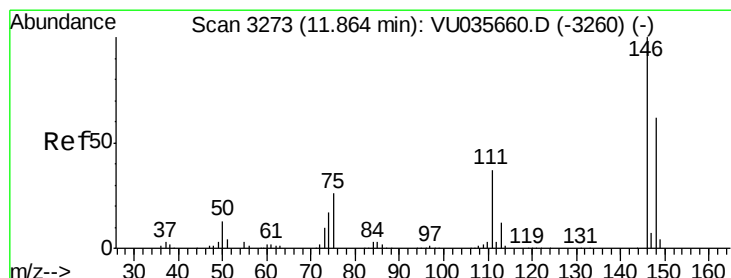
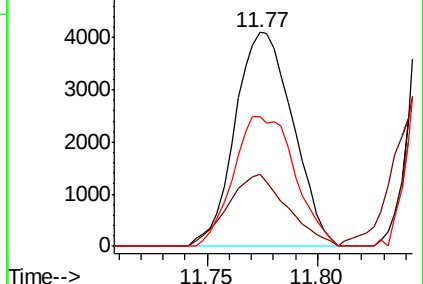
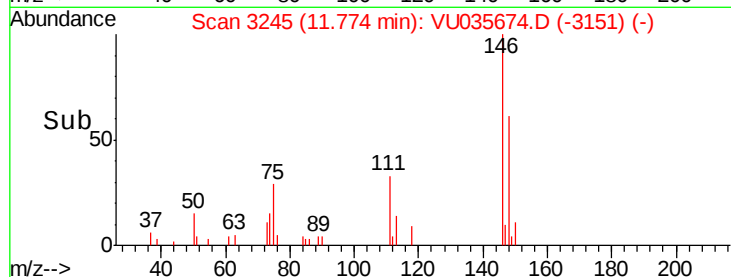
148 60.8 44.5 82.7



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



#63

1,4-Dichlorobenzene

Concen: 7.354 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VU035674.D

Acq: 07 Nov 2019 20:54

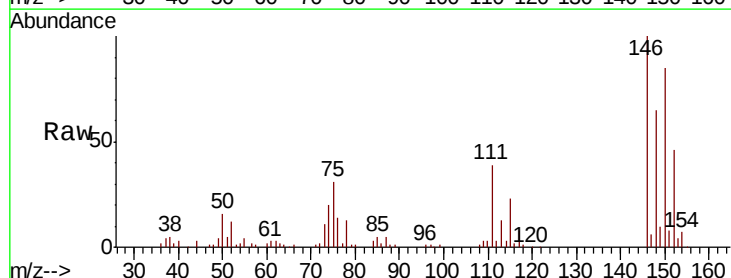
Tgt Ion:146 Resp: 55763

Ion Ratio Lower Upper

146 100

111 38.8 26.5 49.1

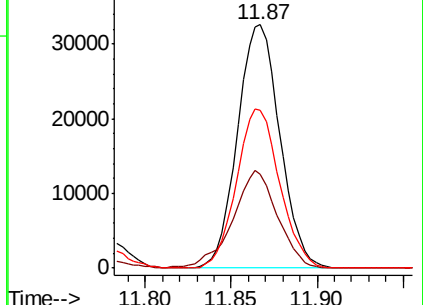
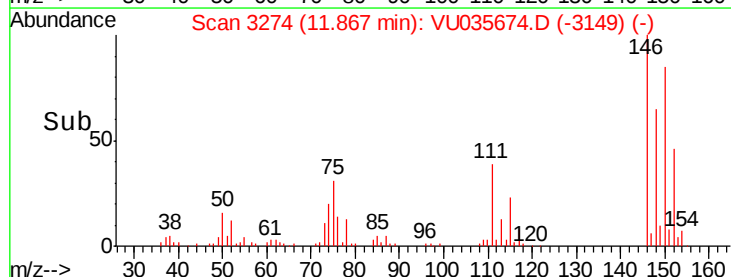
148 65.1 44.4 82.5

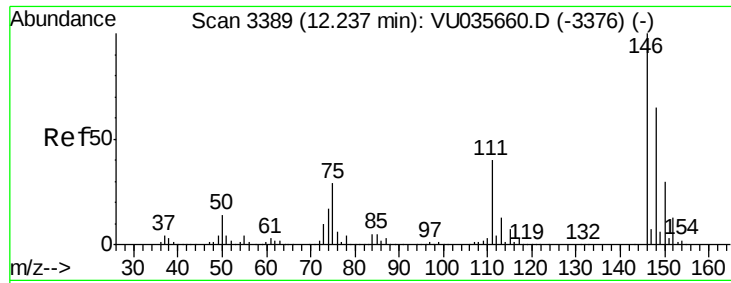


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 37.405 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035674.D

Acq: 07 Nov 2019 20:54

Instrument :

MSVOA_U

ClientSampled :

C0CR1

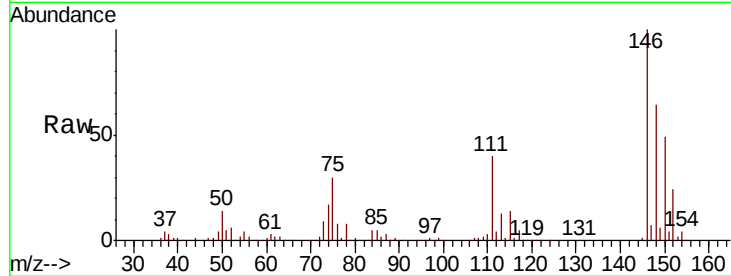
Tot Ion:146 Resp: 284244

Ion Ratio Lower Upper

146 100

111 39.8 32.4 48.6

148 63.8 51.8 77.6

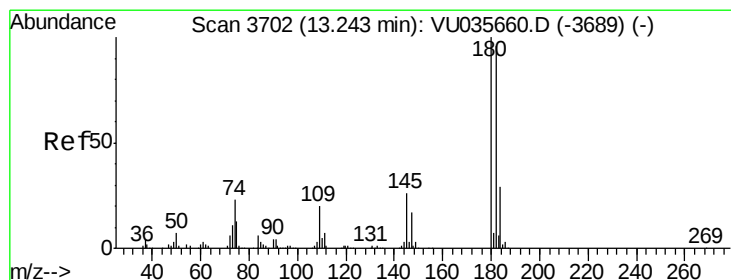
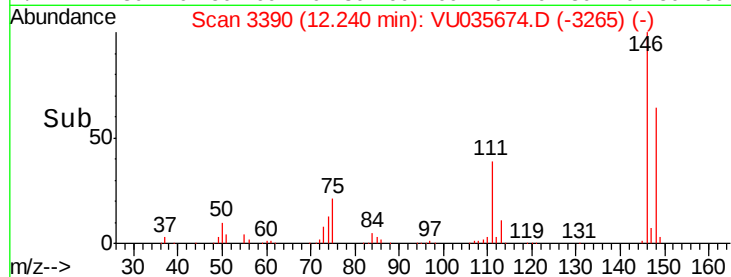
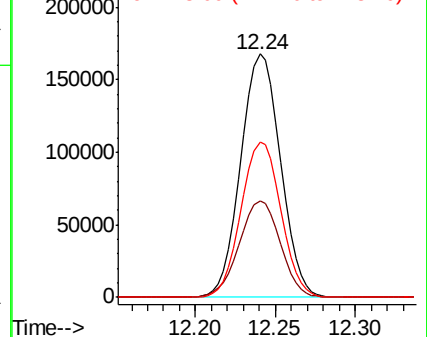


Abundance

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: 4.583 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. 0.62 min

Lab File: VU035674.D

Acq: 07 Nov 2019 20:54

Tgt Ion:180 Resp: 19765

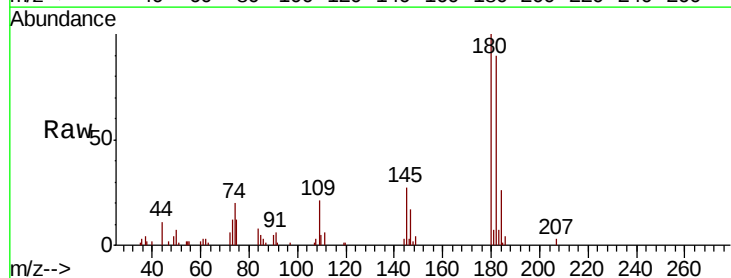
Ion Ratio Lower Upper

180 100

182 91.7 77.0 115.4

184 29.7 24.6 36.8

145 28.0 21.7 32.5



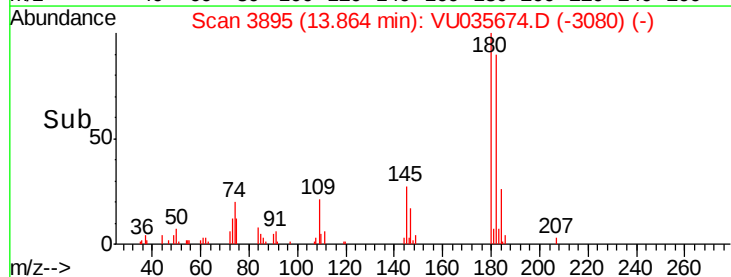
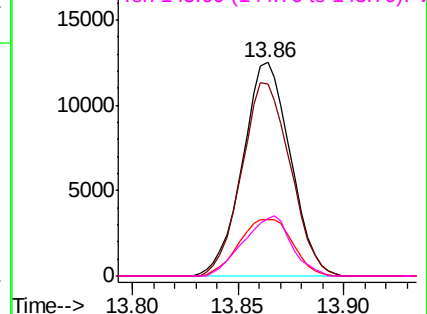
Abundance

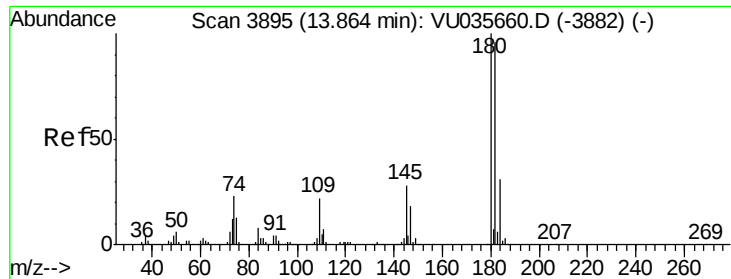
Ion 180.00 (179.70 to 180.70): V

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

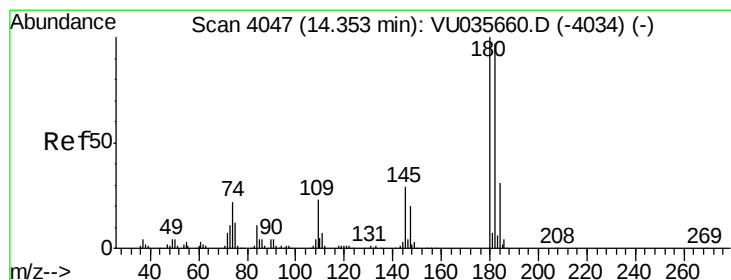
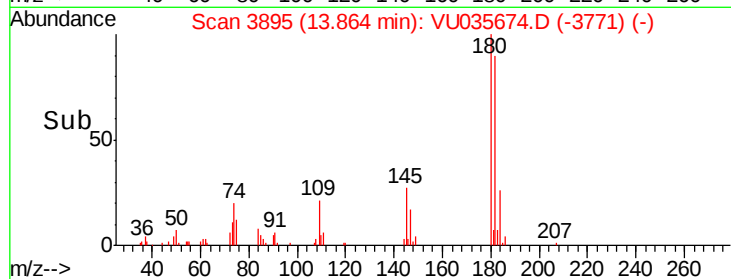
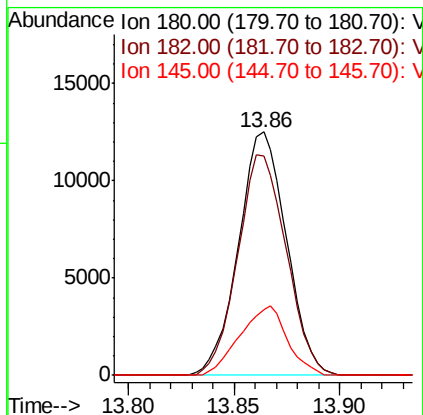
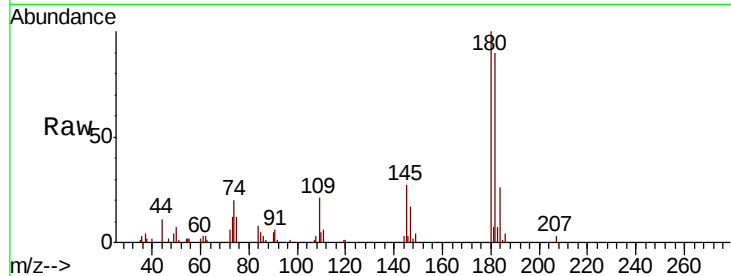




#68
 1,2,4-trichlorobenzene
 Concen: 6.842 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035674.D
 Acq: 07 Nov 2019 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CR1

Tot Ion	180	Resp	19765
Ion Ratio	Lower	Upper	
180	100		
182	91.7	76.6	115.0
145	28.0	21.9	32.9



#70
 1,2,3-Trichlorobenzene
 Concen: 5.566 ug/L
 RT: 14.35 min Scan# 4047
 Delta R.T. -0.00 min
 Lab File: VU035674.D
 Acq: 07 Nov 2019 20:54

Tgt Ion	180	Resp	17325
Ion Ratio	Lower	Upper	
180	100		
182	96.6	77.6	116.4
145	29.7	23.4	35.0

