

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110719\
 Data File : VU035671.D
 Acq On : 07 Nov 2019 19:45
 Operator : JC/SP
 Sample : K5739-02DL 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CQ9DL

Quant Time: Nov 08 06:16:51 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	6.30	114	684913	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	674633	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	225712	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	270647	48.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.86%
7) Chloroethane-d5	1.93	69	230121	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.18%
11) 1,1-Dichloroethene-d2	2.59	63	325526	37.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.68%
21) 2-Butanone-d5	4.69	46	342186	105.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.90%
24) Chloroform-d	5.12	84	425982	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
26) 1,2-Dichloroethane-d4	5.75	65	268415	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.58%
32) Benzene-d6	5.77	84	934320	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
36) 1,2-Dichloropropane-d6	6.74	67	299501	52.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.04%
41) Toluene-d8	7.93	98	837242	50.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.96%
43) trans-1,3-Dichloropropene-	8.21	79	131208	49.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.90%
47) 2-Hexanone-d5	8.68	63	225266	103.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.06%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	403872	49.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	251512	55.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.50%

Target Compounds

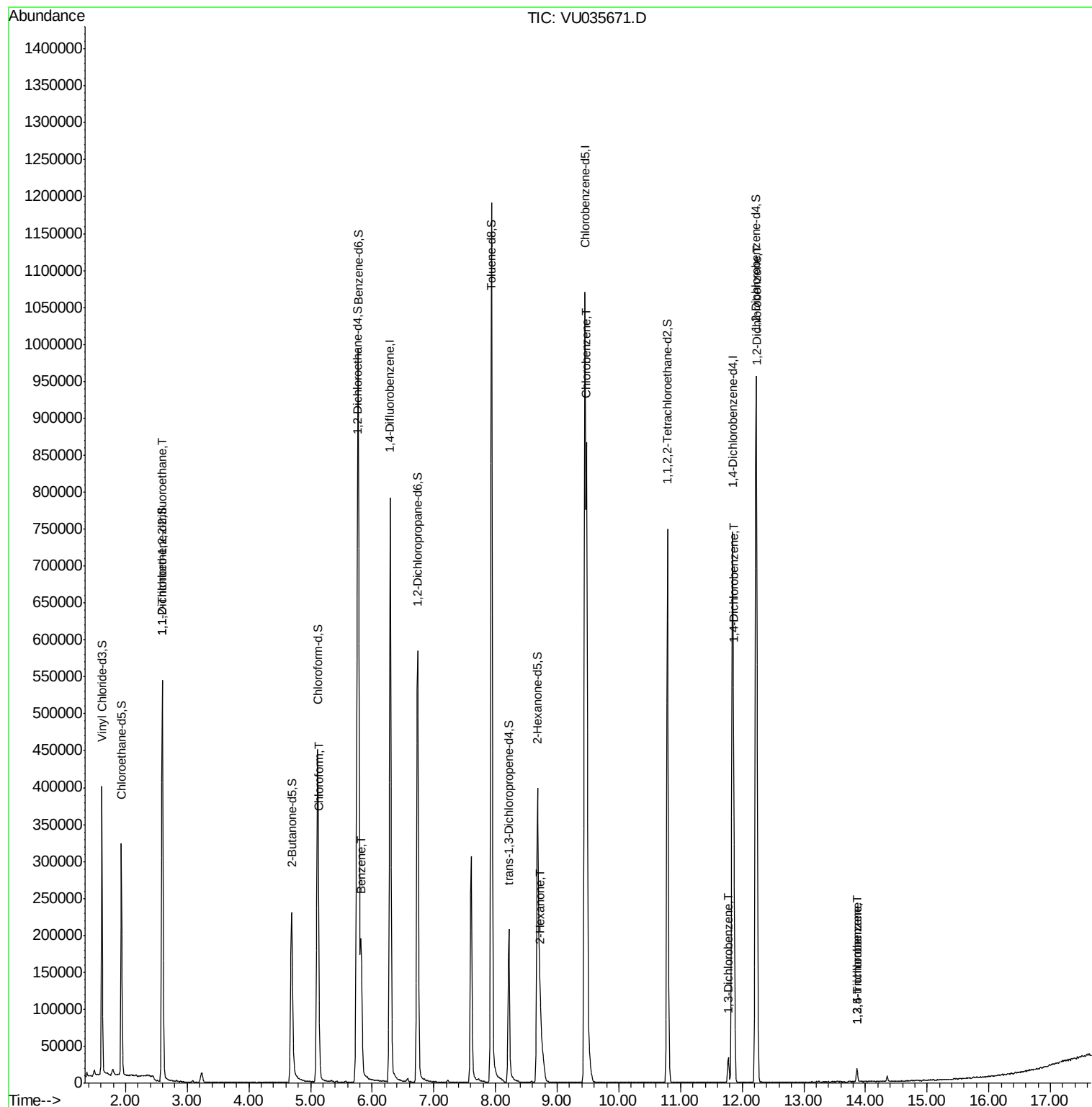
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3052	0.717	ug/L #	21
25) Chloroform	5.14	83	13366	1.548	ug/L	85
33) Benzene	5.82	78	176324	9.300	ug/L	100
48) 2-Hexanone	8.73	43	29683	5.374	ug/L #	56
51) Chlorobenzene	9.48	112	471871	35.570	ug/L	99
62) 1,3-Dichlorobenzene	11.78	146	16141	2.267	ug/L	99
63) 1,4-Dichlorobenzene	11.87	146	138646	19.167	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	196338	27.085	ug/L	99
67) 1,3,5-Trichlorobenzene	13.86	180	6776	1.647	ug/L	96
68) 1,2,4-trichlorobenzene	13.86	180	6776	2.459	ug/L	97

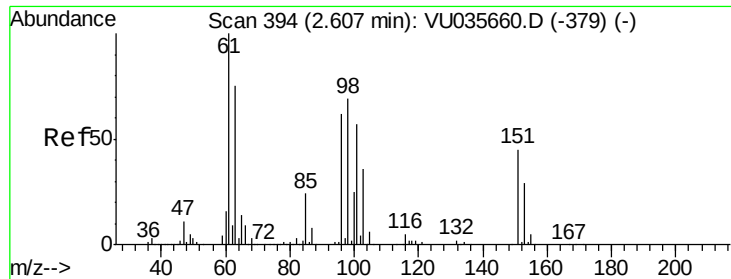
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 08 06:13:27 2019
Response via : Initial Calibration





#10

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

Concen: 0.717 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035671.D

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MSVOA_U

ClientSampleId :

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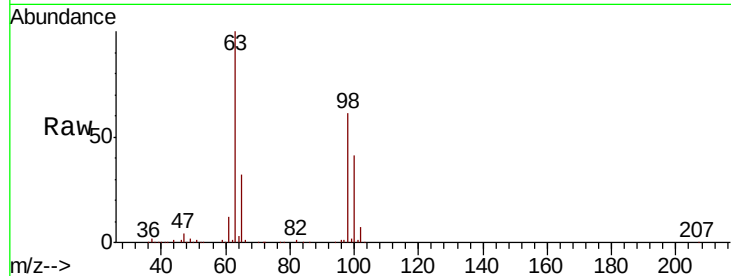
Tot Ion:101 Resp: 3052

Ion Ratio Lower Upper

101 100

85 3.1 34.0 51.0#

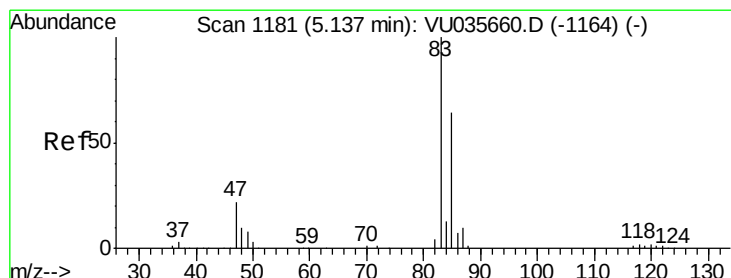
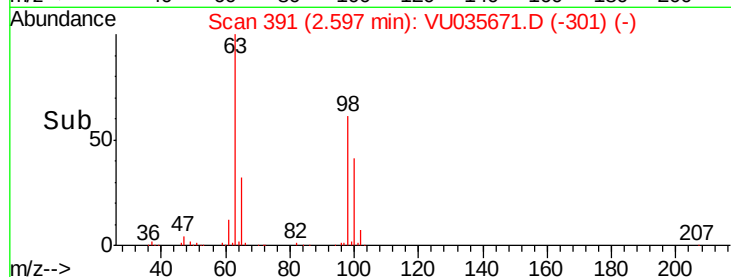
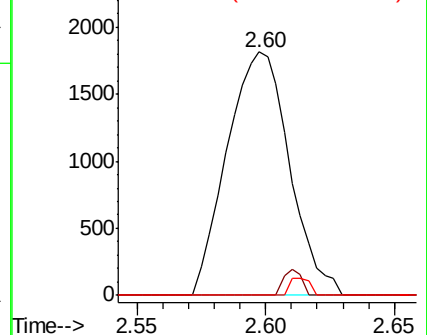
151 2.3 64.2 96.4#



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



#25

Chloroform

Concen: 1.548 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035671.D

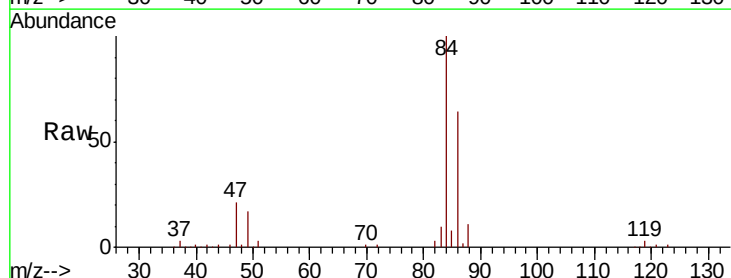
Acq: 07 Nov 2019 19:45

Tgt Ion: 83 Resp: 13366

Ion Ratio Lower Upper

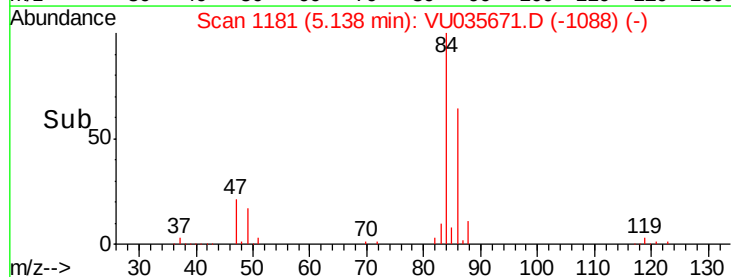
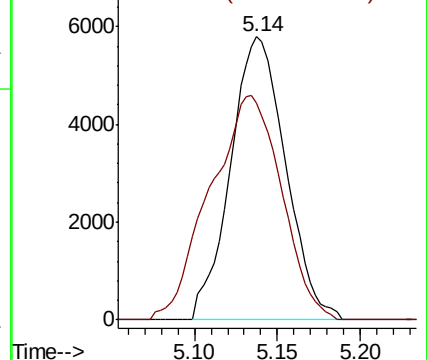
83 100

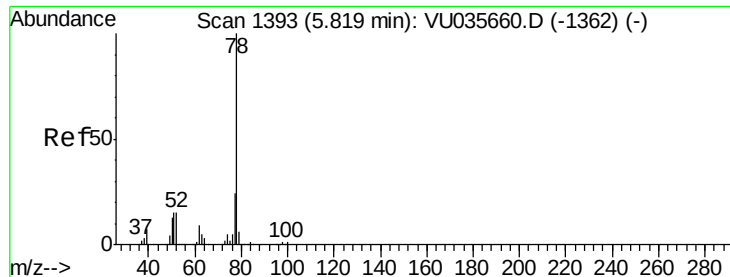
85 76.7 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 9.300 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035671.D

Acq: 07 Nov 2019 19:45

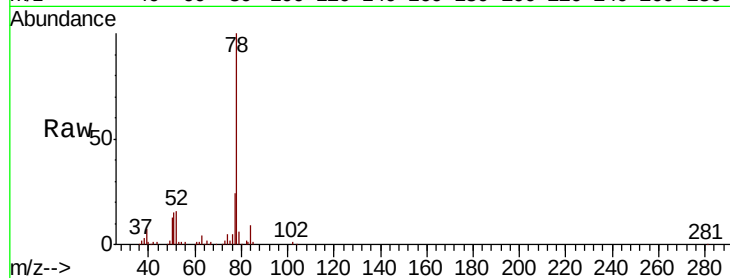
Instrument :

MSVOA_U

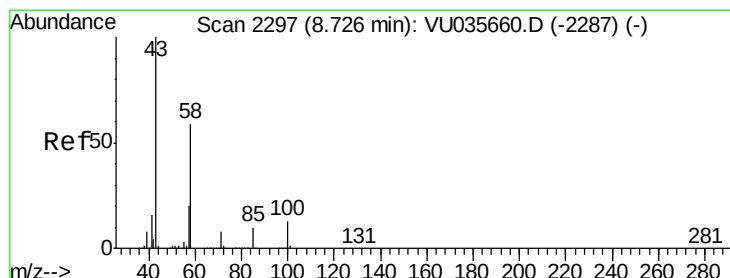
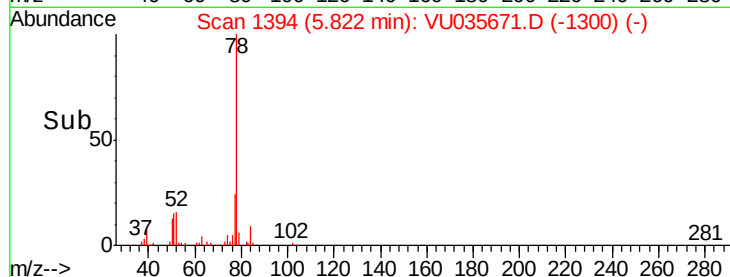
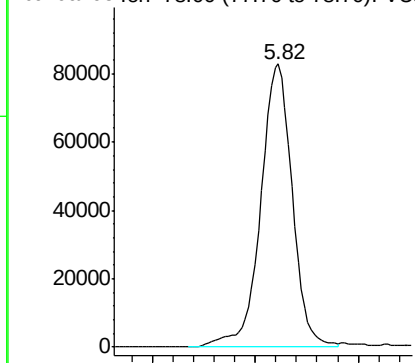
ClientSampleId :

C0CQ9DL

Tgt Ion: 78 Resp: 176324



Abundance Ion 78.00 (77.70 to 78.70): VU0



#48

2-Hexanone

Concen: 5.374 ug/L

RT: 8.73 min Scan# 2299

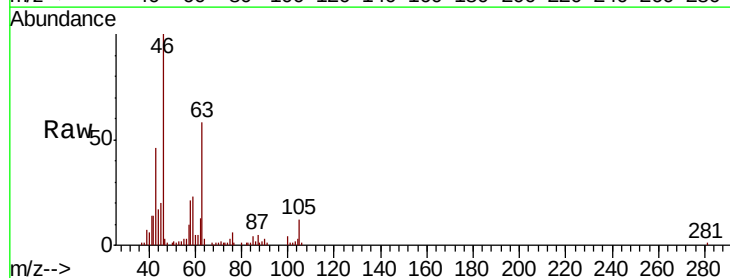
Delta R.T. 0.01 min

Lab File: VU035671.D

Acq: 07 Nov 2019 19:45

Tgt Ion: 43 Resp: 29683

Ion	Ratio	Lower	Upper
43	100		
58	24.3	50.4	75.6#
57	0.0	17.4	26.0#
100	8.8	10.5	15.7#

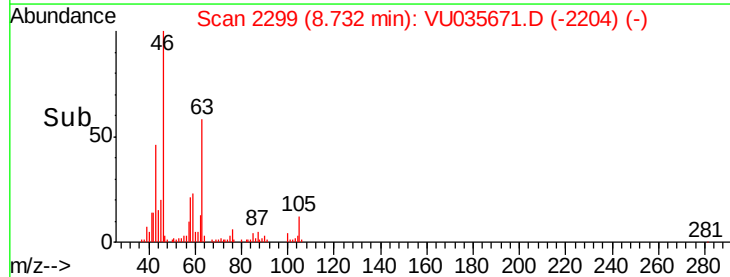
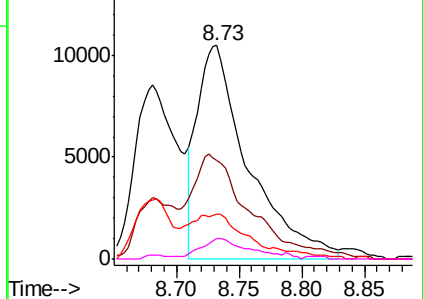


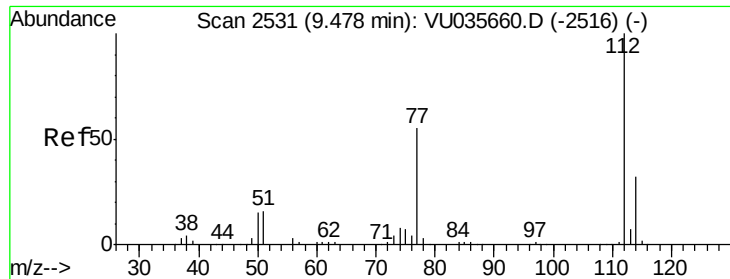
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

Chlorobenzene

Concen: 35.570 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU035671.D

Acq: 07 Nov 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

C0CQ9DL

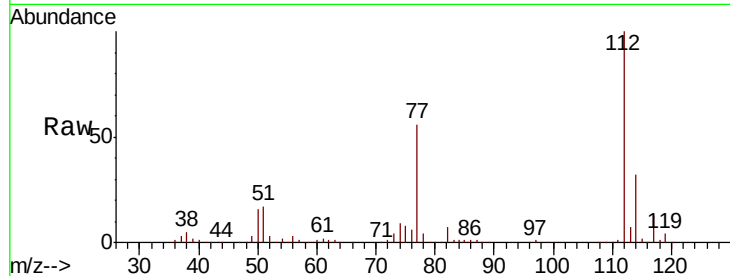
Tot Ion:112 Resp: 471871

Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

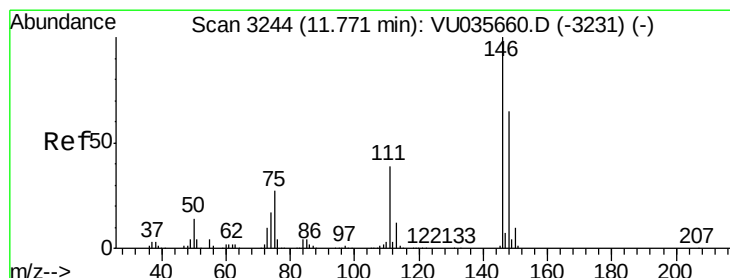
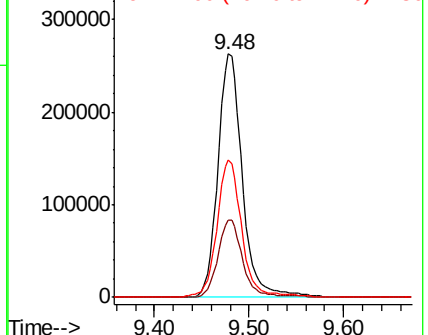
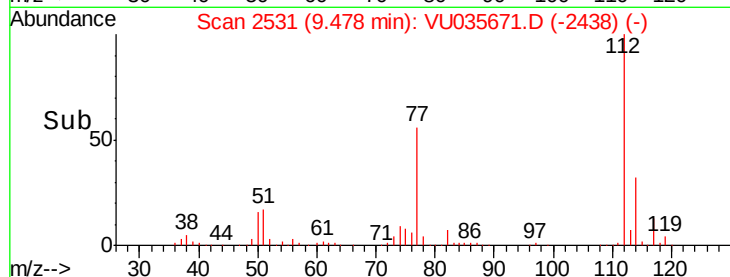
77 56.5 45.9 68.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#62

1,3-Dichlorobenzene

Concen: 2.267 ug/L

RT: 11.78 min Scan# 3246

Delta R.T. 0.01 min

Lab File: VU035671.D

Acq: 07 Nov 2019 19:45

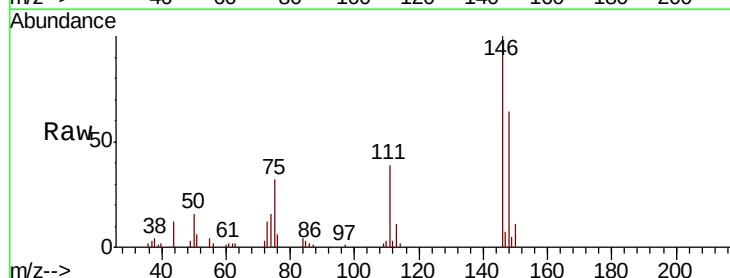
Tgt Ion:146 Resp: 16141

Ion Ratio Lower Upper

146 100

111 39.0 27.8 51.6

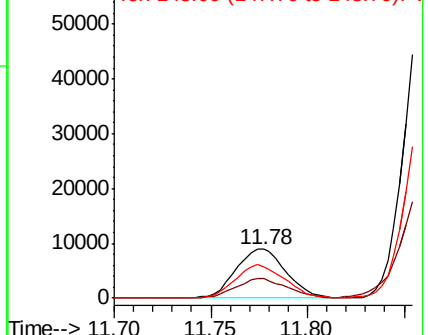
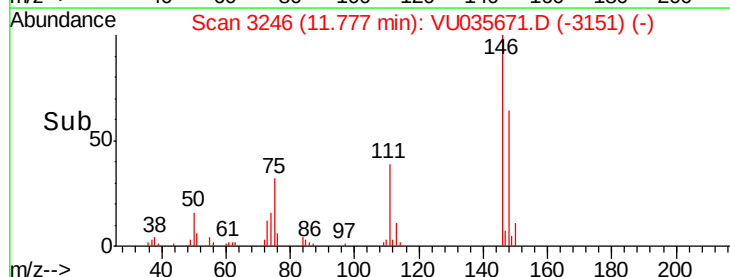
148 64.4 44.5 82.7

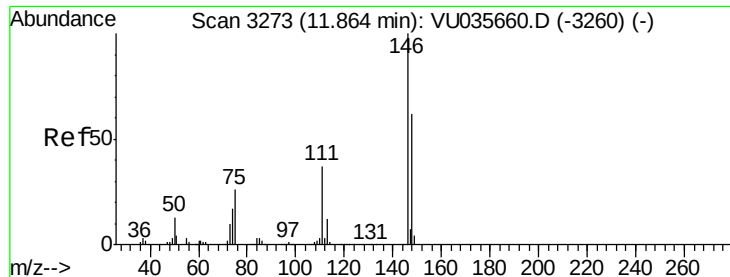


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

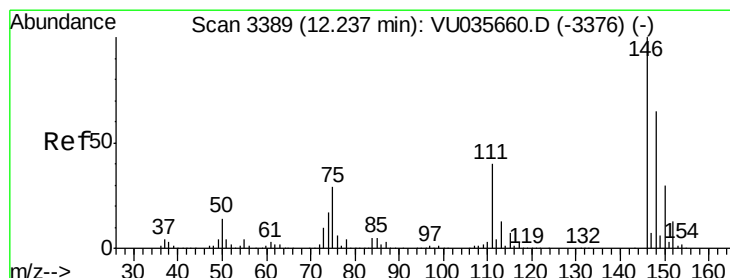
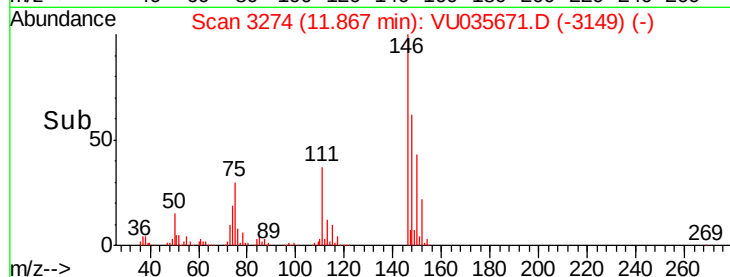
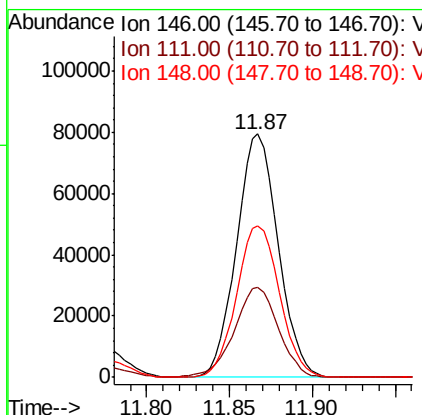
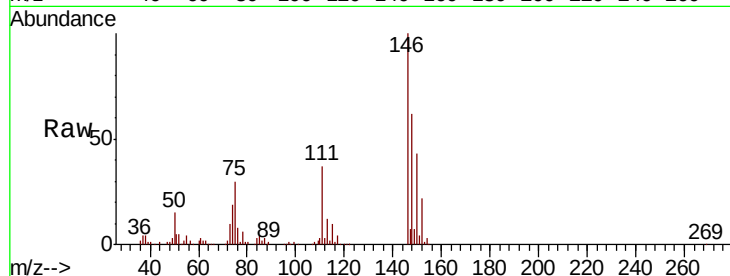




#63
 1,4-Dichlorobenzene
 Concen: 19.167 ug/L
 RT: 11.87 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VU035671.D
 Acq: 07 Nov 2019 19:45

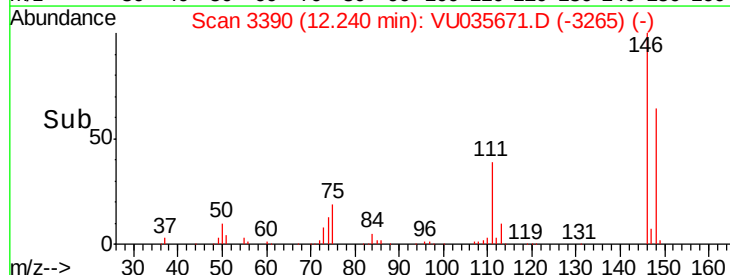
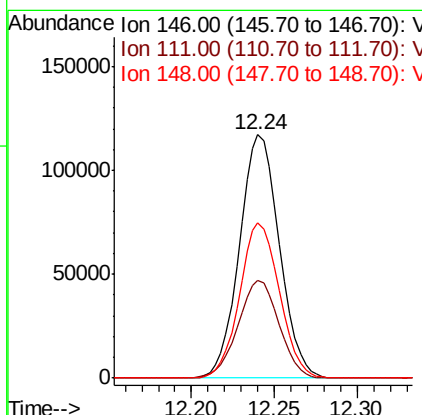
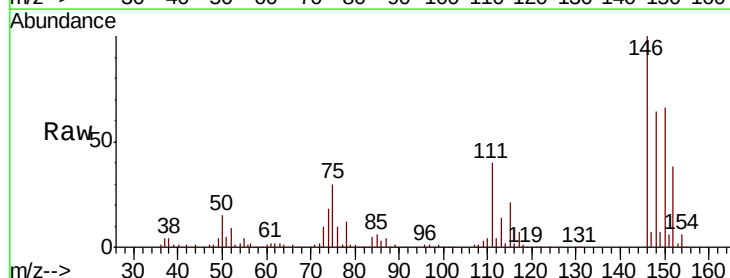
Instrument :
 MSVOA_U
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 C0CQ9DL

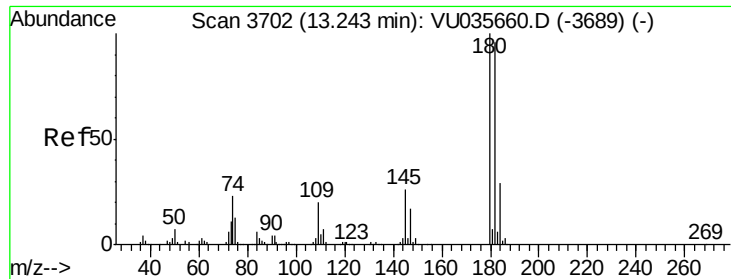
Tot Ion:146 Resp: 138646
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.5 49.1
 148 62.4 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 27.085 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035671.D
 Acq: 07 Nov 2019 19:45

Tgt Ion:146 Resp: 196338
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.4 48.6
 148 63.7 51.8 77.6

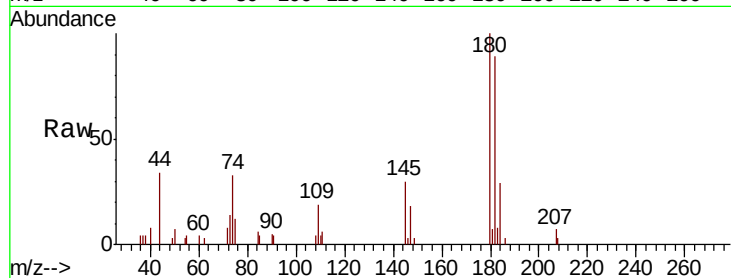




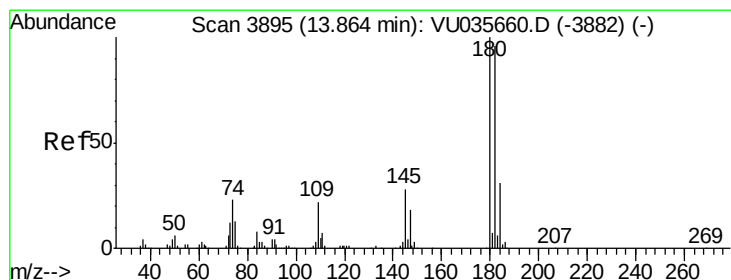
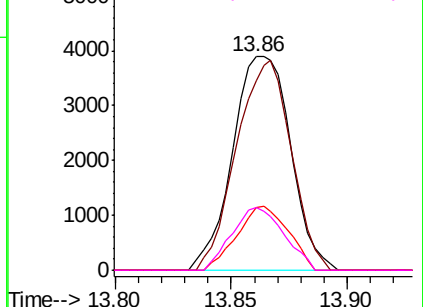
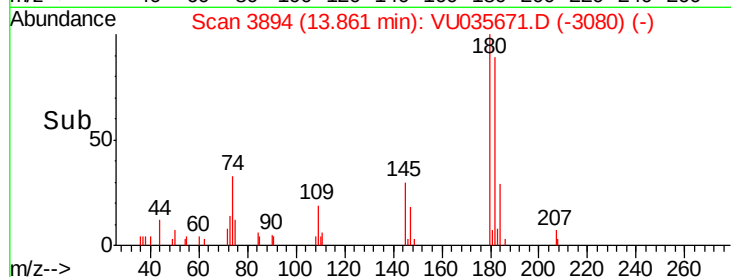
#67
 1,3,5-Trichlorobenzene
 Concen: 1.647 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.62 min
 Lab File: VU035671.D
 Acq: 07 Nov 2019 19:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CQ9DL

Tot Ion:180	Resp:	6776	
Ion Ratio	Lower	Upper	
180 100			
182 92.2	77.0	115.4	
184 26.4	24.6	36.8	
145 26.4	21.7	32.5	

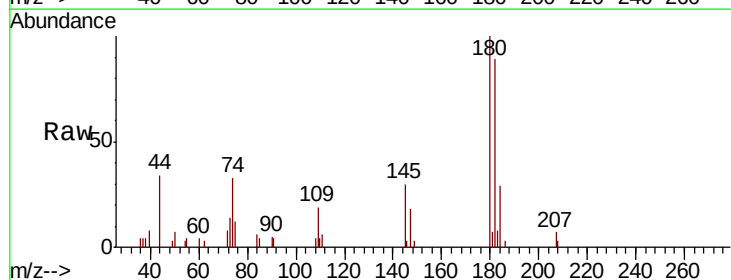


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.459 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035671.D
 Acq: 07 Nov 2019 19:45

Tgt Ion:180	Resp:	6776
Ion Ratio	Lower	Upper
180 100		
182 92.2	76.6	115.0
145 26.4	21.9	32.9



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

