

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110719\
 Data File : VU035672.D
 Acq On : 07 Nov 2019 20:08
 Operator : JC/SP
 Sample : K5739-02 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CQ9

Quant Time: Nov 08 06:16:58 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	710212	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	698633	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	273616	50.00	ug/L	0.00

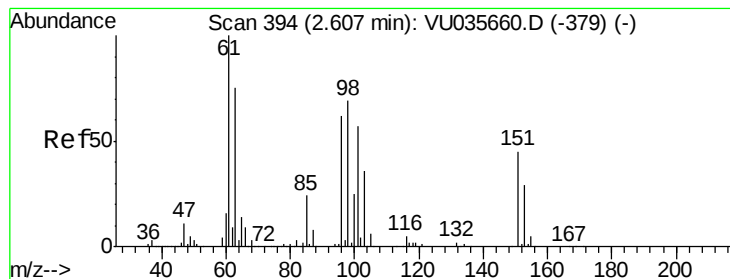
System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	273536	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.38%
7) Chloroethane-d5	1.93	69	227774	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.44%
11) 1,1-Dichloroethene-d2	2.59	63	323301	36.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.48%
21) 2-Butanone-d5	4.69	46	343599	102.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.55%
24) Chloroform-d	5.11	84	434549	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
26) 1,2-Dichloroethane-d4	5.75	65	273428	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
32) Benzene-d6	5.77	84	927437	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.86%
36) 1,2-Dichloropropane-d6	6.74	67	300784	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.86%
41) Toluene-d8	7.93	98	854632	49.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.50%
43) trans-1,3-Dichloropropene-	8.21	79	136035	50.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.02%
47) 2-Hexanone-d5	8.68	63	232675	102.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.80%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	406560	48.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.82%
64) 1,2-Dichlorobenzene-d4	12.22	152	287868	52.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3168	0.717	ug/L #	17
25) Chloroform	5.14	83	17450	1.950	ug/L	96
27) 1,2-Dichloroethane	5.82	62	6822	1.043	ug/L #	73
33) Benzene	5.82	78	841870	42.877	ug/L	100
48) 2-Hexanone	8.73	43	24825	4.340	ug/L #	87
51) Chlorobenzene	9.48	112	2414897	175.782	ug/L	99
59) 1,2,3-Trichloropropane	11.77	75	25752	3.756	ug/L #	44
62) 1,3-Dichlorobenzene	11.77	146	95754	11.093	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	855787	97.595	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	1153017	131.210	ug/L	99
67) 1,3,5-Trichlorobenzene	13.86	180	49482	9.923	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	49482	14.813	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	14581	4.051	ug/L	94

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



#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

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ClientSampleId :

C0CQ9

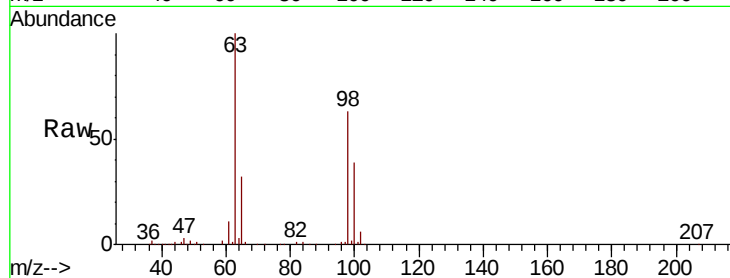
Tot Ion:101 Resp: 3168

Ion Ratio Lower Upper

101 100

85 0.0 34.0 51.0#

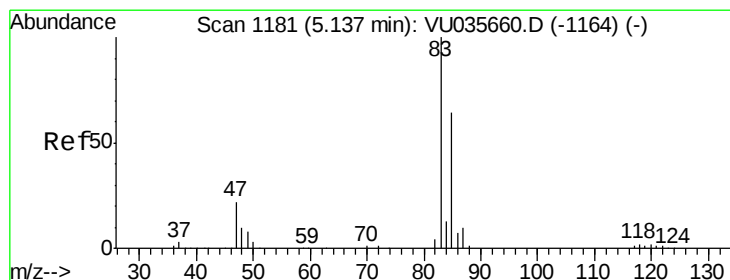
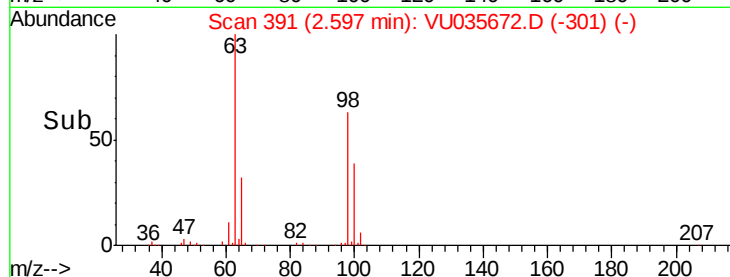
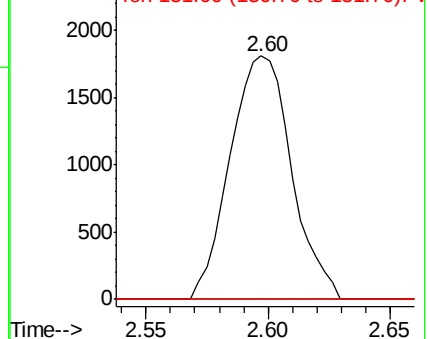
151 0.0 64.2 96.4#



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



#25

Chloroform

Concen: 1.950 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035672.D

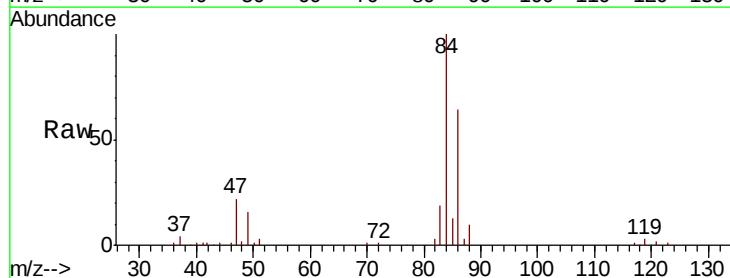
Acq: 07 Nov 2019 20:08

Tgt Ion: 83 Resp: 17450

Ion Ratio Lower Upper

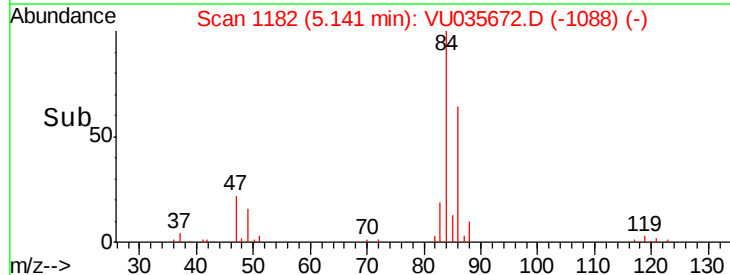
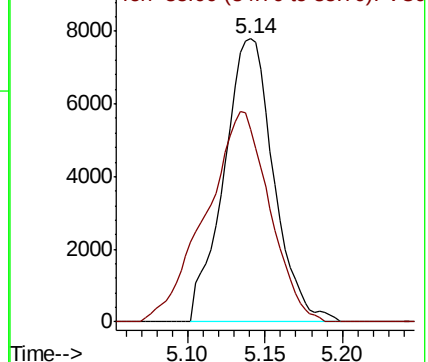
83 100

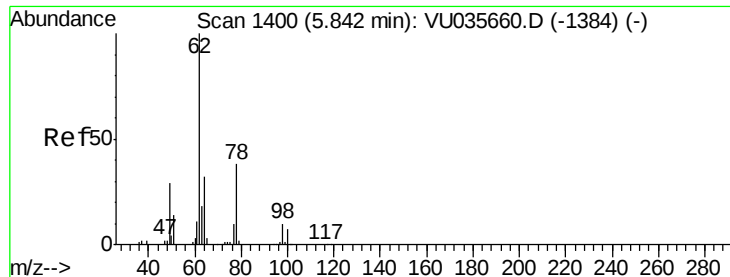
85 68.2 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 1.043 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. -0.02 min

Lab File: VU035672.D

Acq: 07 Nov 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

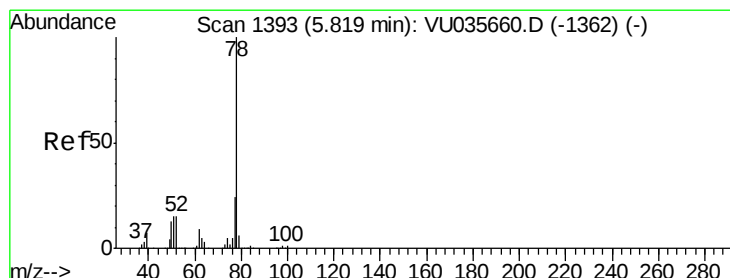
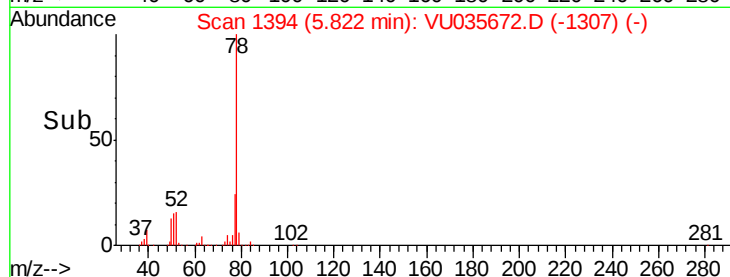
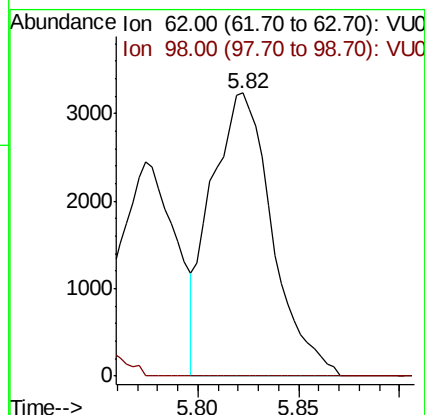
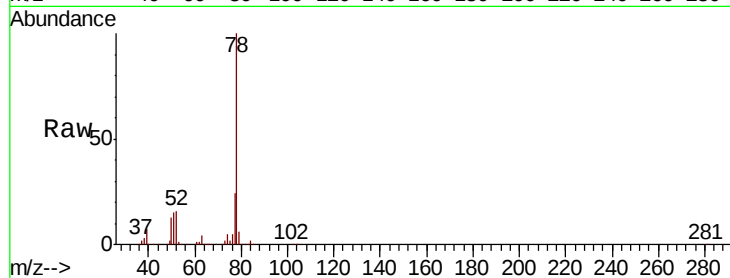
C0CQ9

Tot Ion: 62 Resp: 6822

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



#33

Benzene

Concen: 42.877 ug/L

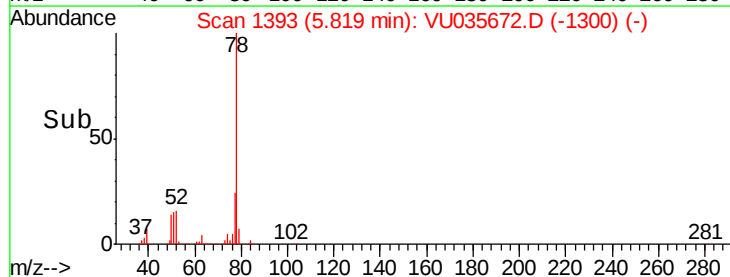
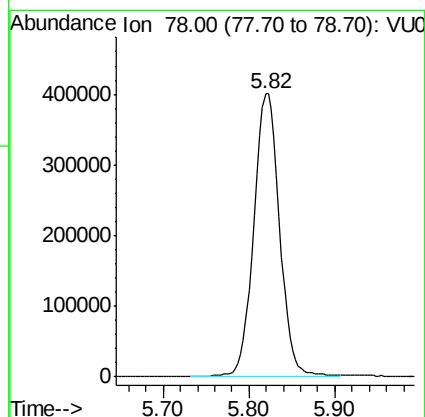
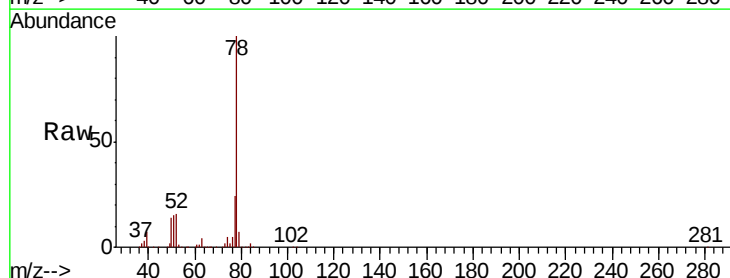
RT: 5.82 min Scan# 1393

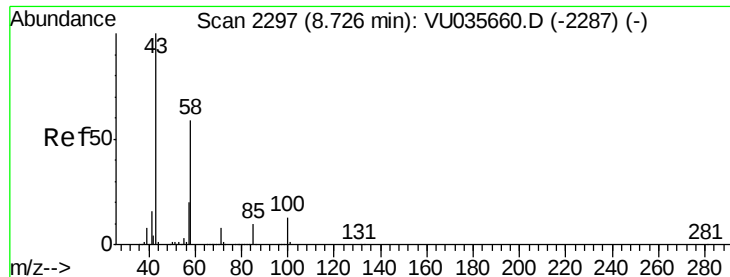
Delta R.T. -0.00 min

Lab File: VU035672.D

Acq: 07 Nov 2019 20:08

Tgt Ion: 78 Resp: 841870

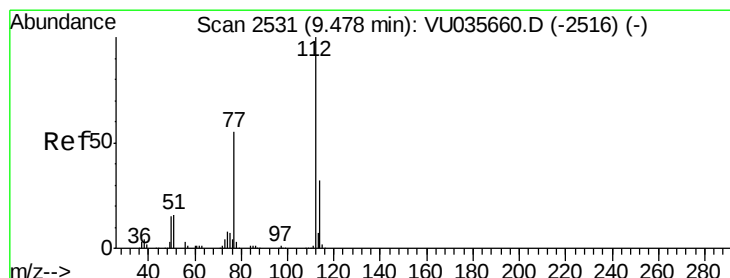
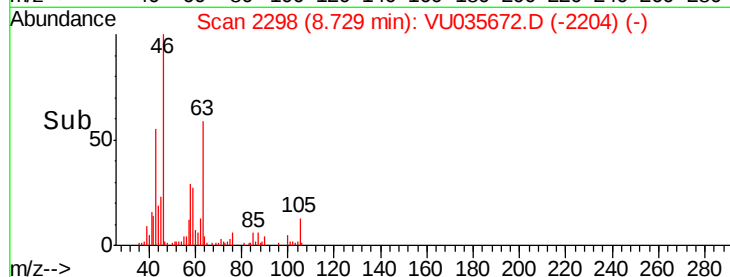
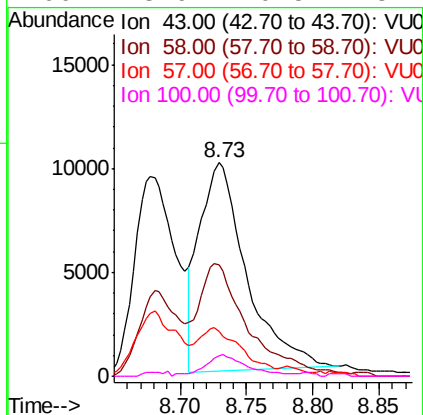
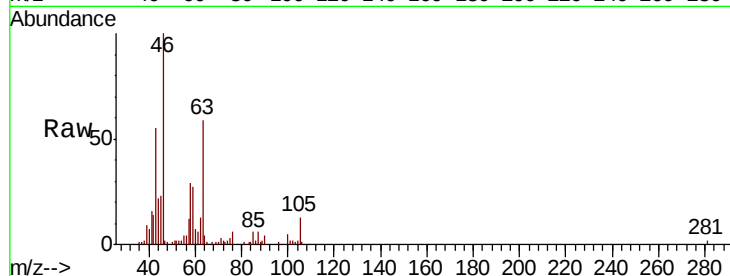




#48
2-Hexanone
Concen: 4.340 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035672.D
Acq: 07 Nov 2019 20:08

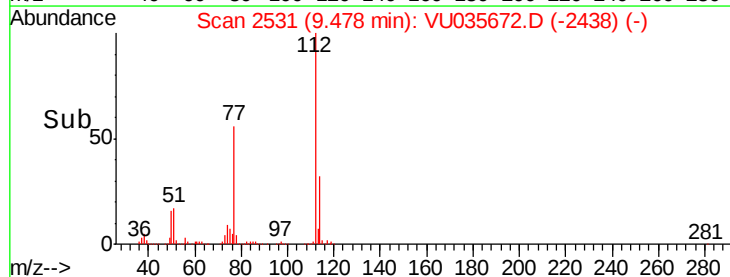
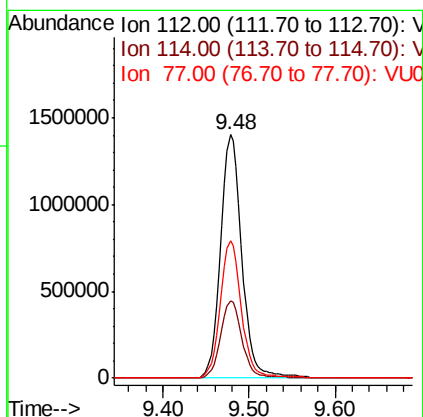
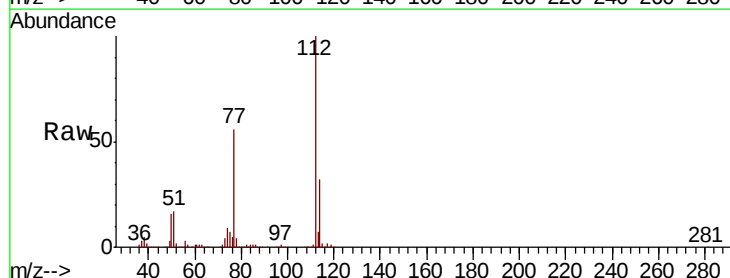
Instrument :
MSVOA_U
ClientSampleId :
C0CQ9

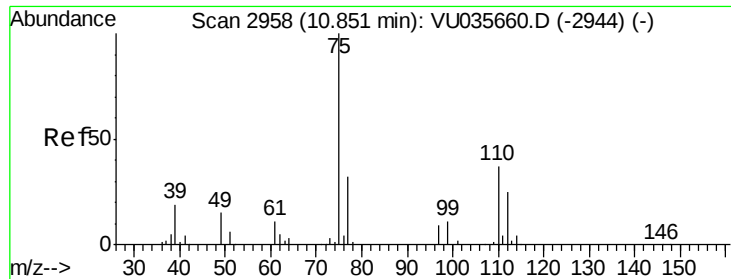
Tot Ion: 43 Resp: 24825
Ion Ratio Lower Upper
43 100
58 53.0 50.4 75.6
57 15.5 17.4 26.0#
100 8.9 10.5 15.7#



#51
Chlorobenzene
Concen: 175.782 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035672.D
Acq: 07 Nov 2019 20:08

Tgt Ion: 112 Resp: 2414897
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 56.4 45.9 68.9





#59

1,2,3-Trichloropropane

Concen: 3.756 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.92 min

Lab File: VU035672.D

Acq: 07 Nov 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

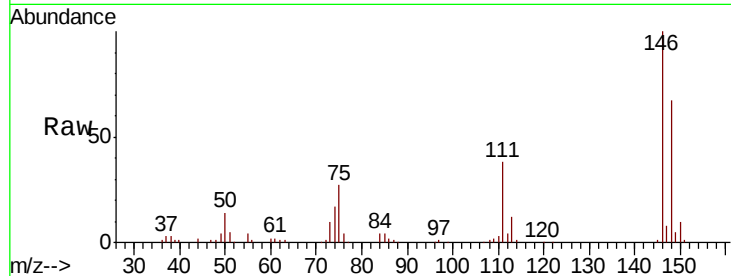
C0CQ9

Tot Ion: 75 Resp: 25752

Ion Ratio Lower Upper

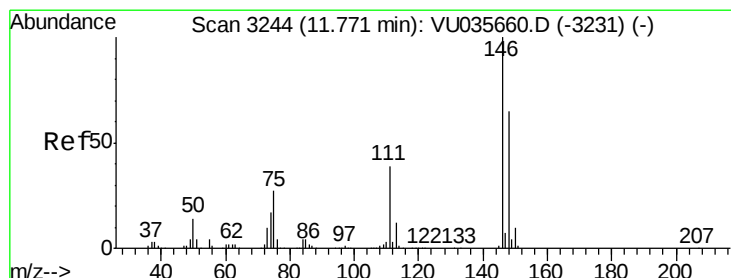
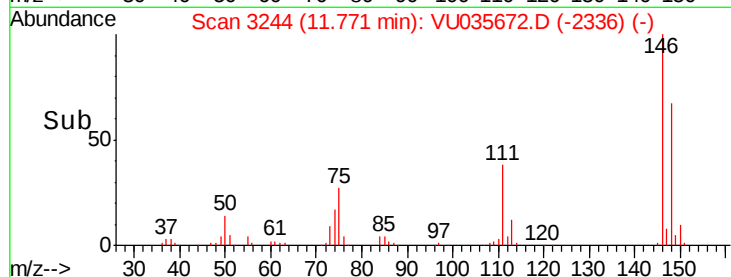
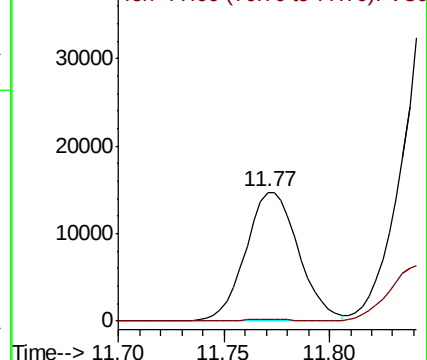
75 100

77 0.9 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 11.093 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035672.D

Acq: 07 Nov 2019 20:08

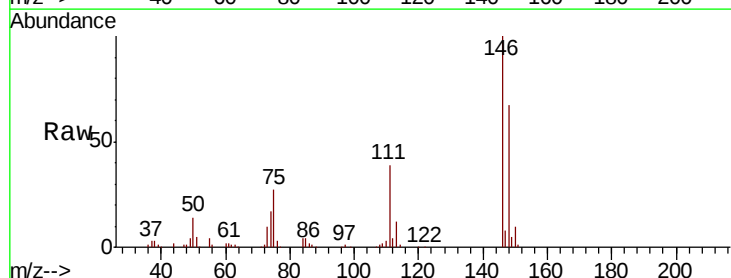
Tgt Ion: 146 Resp: 95754

Ion Ratio Lower Upper

146 100

111 38.8 27.8 51.6

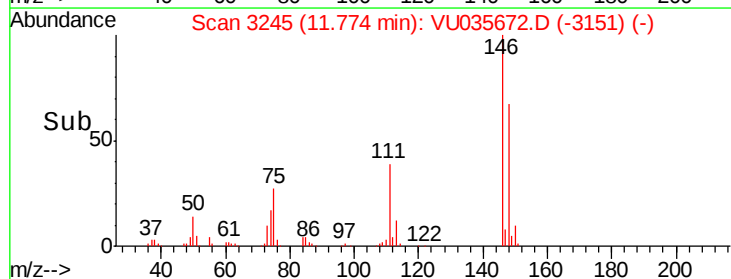
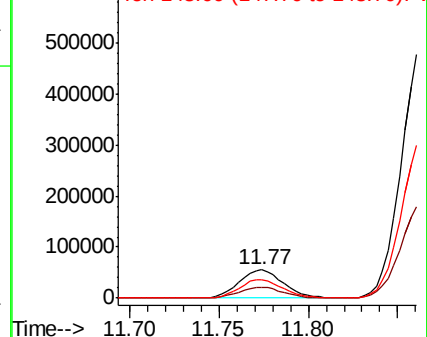
148 66.5 44.5 82.7

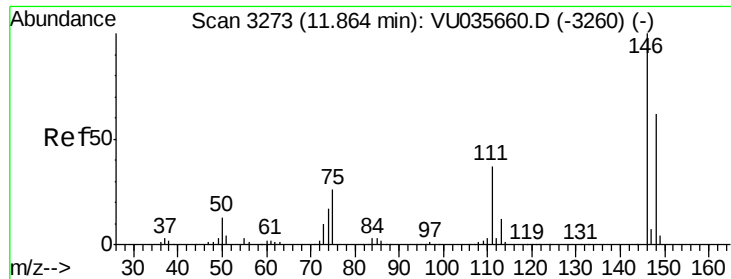


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

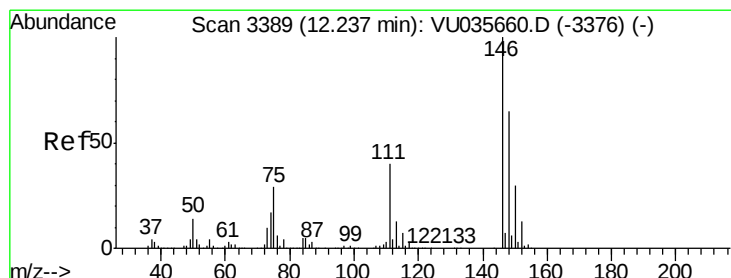
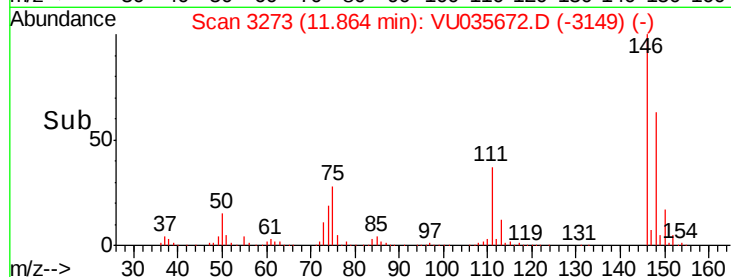
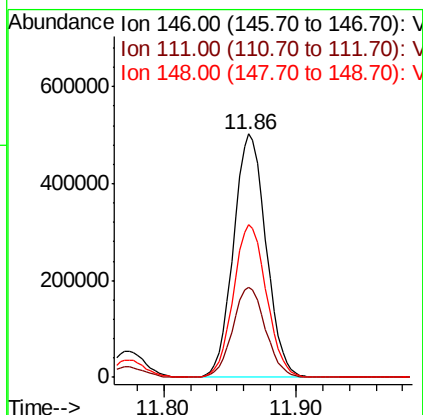
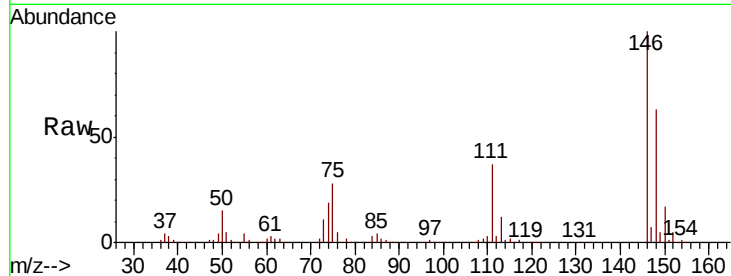




#63
 1,4-Dichlorobenzene
 Concen: 97.595 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035672.D
 Acq: 07 Nov 2019 20:08

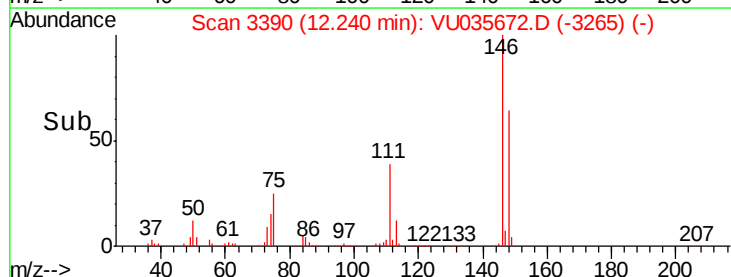
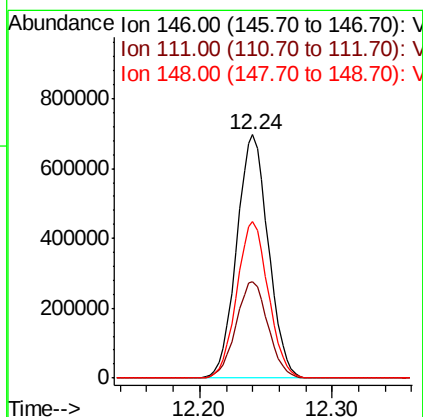
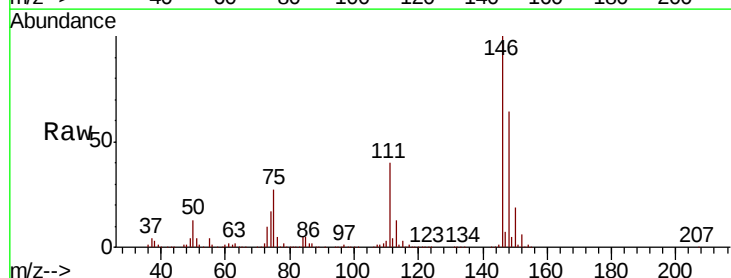
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CQ9

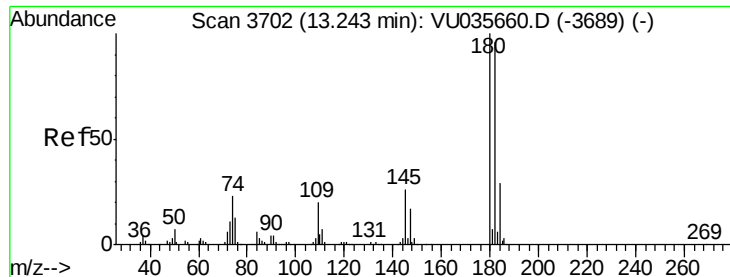
Tot Ion:146 Resp: 855787
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.5 49.1
 148 62.9 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 131.210 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035672.D
 Acq: 07 Nov 2019 20:08

Tgt Ion:146 Resp: 1153017
 Ion Ratio Lower Upper
 146 100
 111 39.8 32.4 48.6
 148 64.4 51.8 77.6

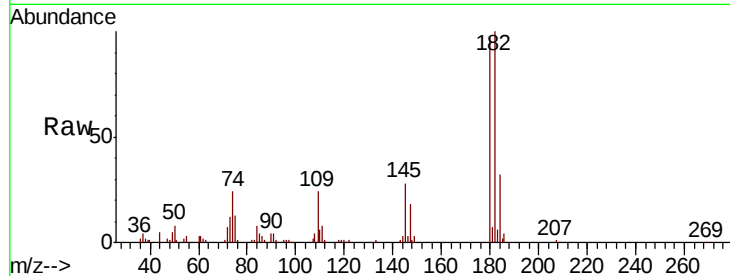




#67
 1,3,5-Trichlorobenzene
 Concen: 9.923 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.62 min
 Lab File: VU035672.D
 Acq: 07 Nov 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CQ9

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.0	115.4
184	31.1	24.6	36.8
145	27.5	21.7	32.5



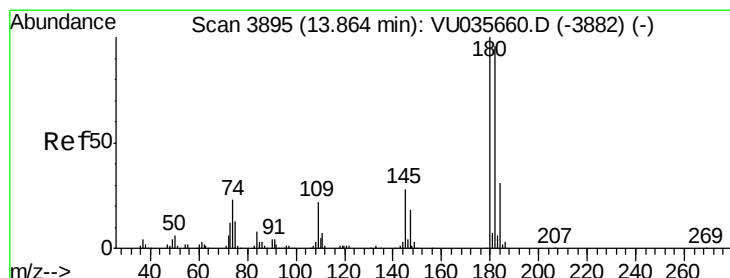
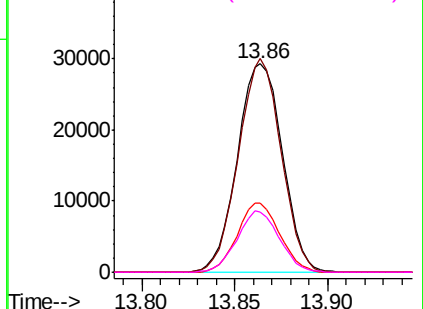
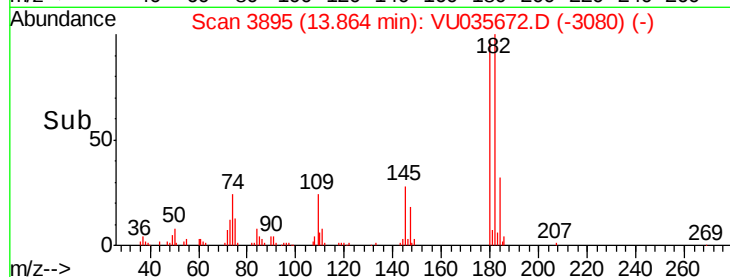
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

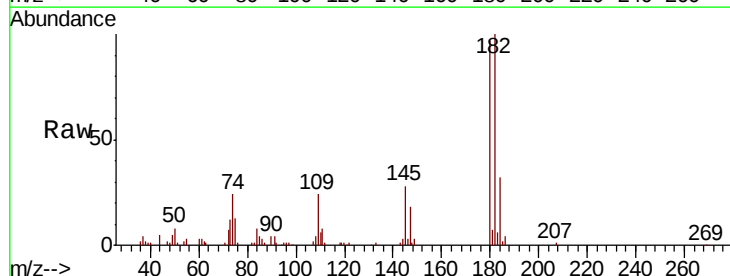
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 14.813 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035672.D
 Acq: 07 Nov 2019 20:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.6	115.0
145	27.5	21.9	32.9

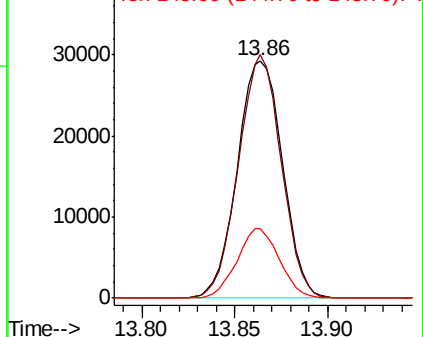
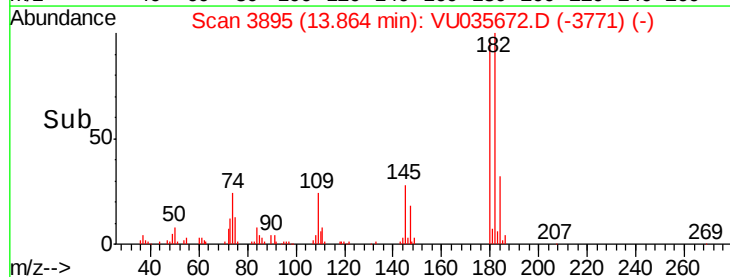


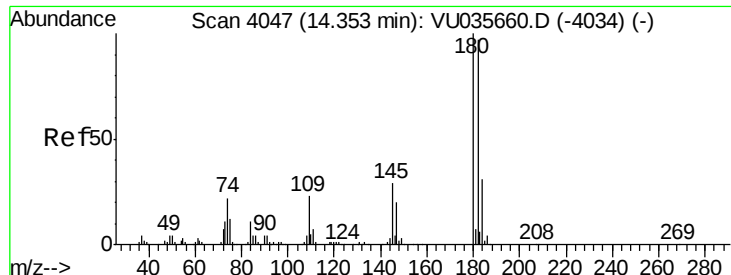
Abundance

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





#70

1,2,3-Trichlorobenzene

Concen: 4.051 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035672.D

Acq: 07 Nov 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

C0CQ9

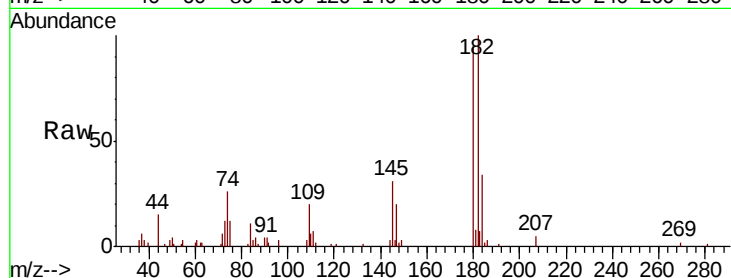
Tot Ion:180 Resp: 14581

Ion Ratio Lower Upper

180 100

182 103.7 77.6 116.4

145 30.6 23.4 35.0



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

