

Data File : VU034734.D
Acq On : 23 Sep 2019 15:30
Operator : JC/SP
Sample : K4982-05 10X
Misc : 5.58g/5.0mL/100uL/10mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AW2

Quant Time: Sep 24 01:56:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 01:52:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	506491	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	490083	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	249149	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	216233	41.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.40%
7) Chloroethane-d5	1.66	69	173436	43.28	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.56%
11) 1,1-Dichloroethene-d2	2.25	63	295895	33.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.40%
21) 2-Butanone-d5	4.15	46	402470	101.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.28%
24) Chloroform-d	4.62	84	338375	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.78%
26) 1,2-Dichloroethane-d4	5.28	65	261699	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
32) Benzene-d6	5.31	84	727637	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.31	67	256010	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.44%
41) Toluene-d8	7.54	98	697329	48.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.50%
43) trans-1,3-Dichloropropene-	7.83	79	121265	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.38%
47) 2-Hexanone-d5	8.29	63	269473	101.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.05%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	349354	47.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.84%
64) 1,2-Dichlorobenzene-d4	11.76	152	176	0.03	ug/L	-0.07
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.06%#

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	2653	0.768 ug/L #	25
16) Methylene chloride	2.68	84	3828	0.912 ug/L	83
25) Chloroform	4.65	83	18347	2.242 ug/L	82
27) 1,2-Dichloroethane	5.39	62	8525	1.206 ug/L #	93
42) Toluene	7.62	91	21919	1.193 ug/L	97
51) Chlorobenzene	9.10	112	134494	12.044 ug/L	98
52) Ethylbenzene	9.23	91	262389	12.685 ug/L	96
53) m,p-Xylene	9.35	106	343595	46.896 ug/L	99
54) o-xylene	9.76	106	92951	12.827 ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	1023810	118.658 ug/L	98
63) 1,4-Dichlorobenzene	11.48	146	1507304	171.491 ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	2946499	337.979 ug/L	97
67) 1,3,5-Trichlorobenzene	13.48	180	87088	15.064 ug/L	96
68) 1,2,4-trichlorobenzene	13.48	180	87088	19.156 ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	25333	5.416 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

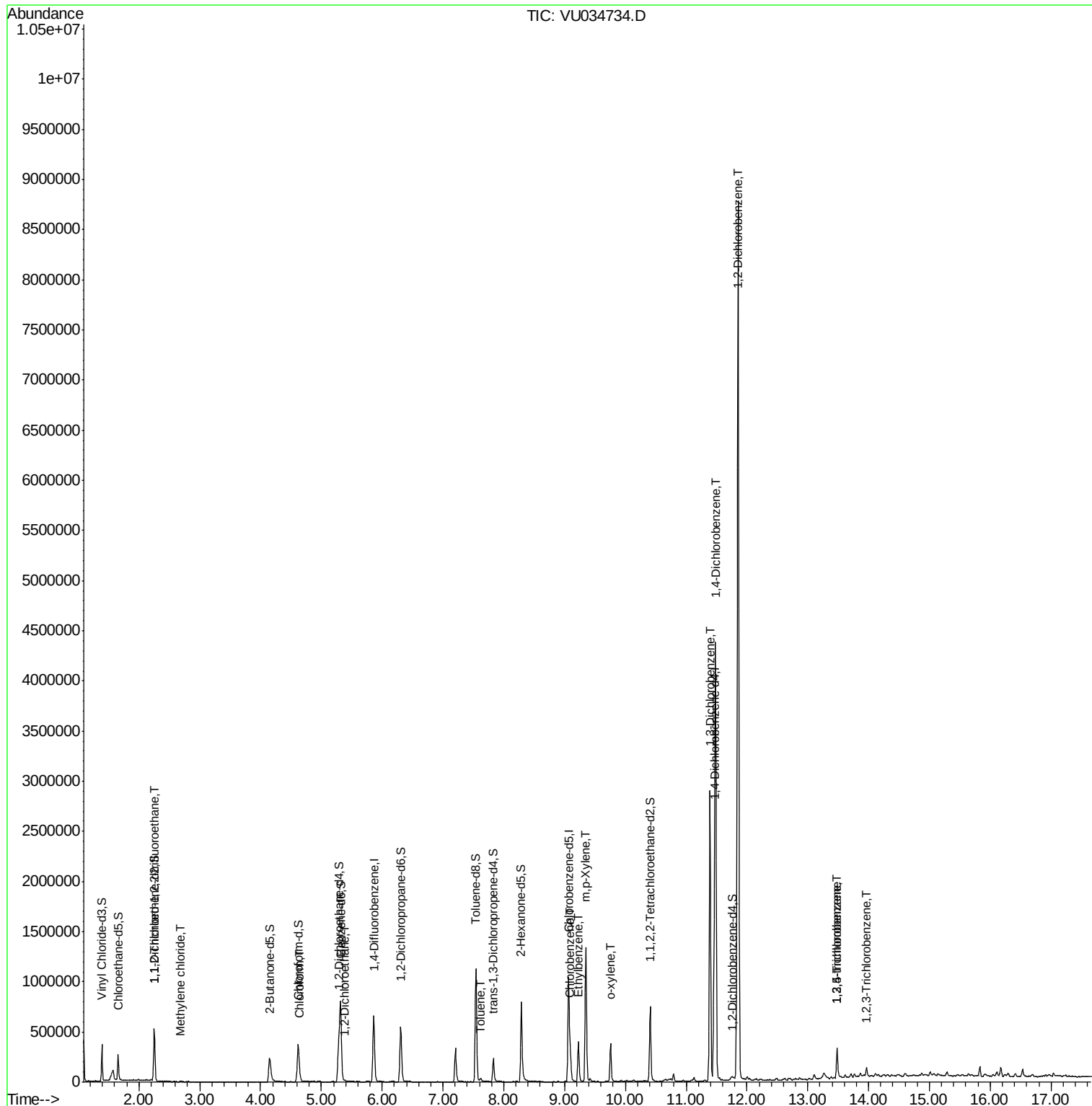
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

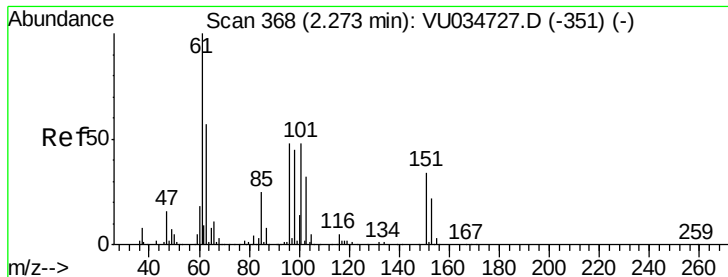
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#10

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

Concen: 0.768 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU034734.D

Acq: 23 Sep 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

C0AW2

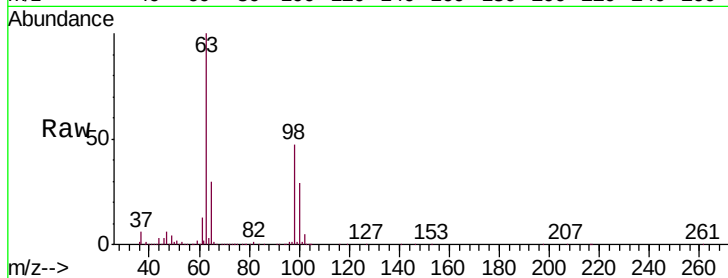
Tgt Ion: 101 Resp: 2653

Ion Ratio Lower Upper

101 100

85 4.4 39.0 58.4#

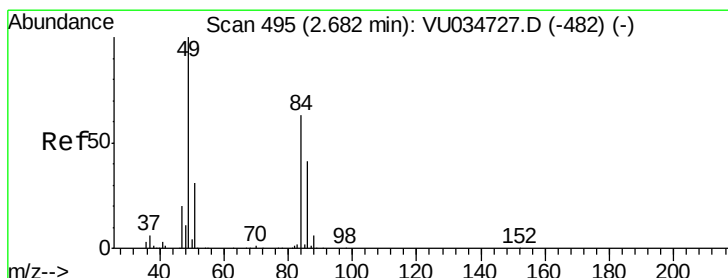
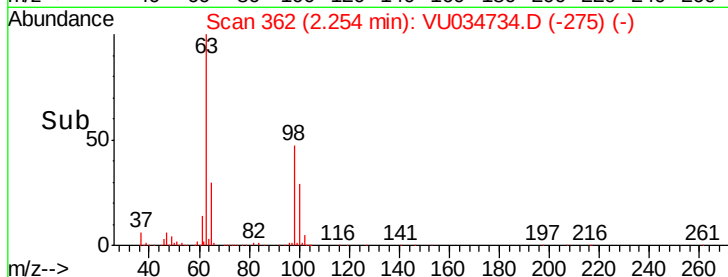
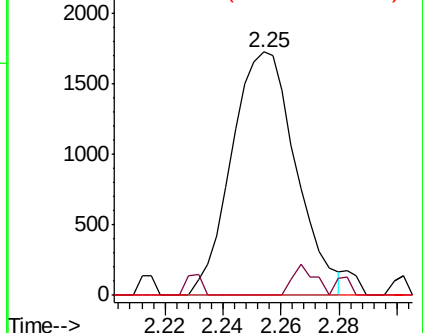
151 0.0 52.8 79.2#



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



#16

Methylene chloride

Concen: 0.912 ug/L

RT: 2.68 min Scan# 494

Delta R.T. -0.00 min

Lab File: VU034734.D

Acq: 23 Sep 2019 15:30

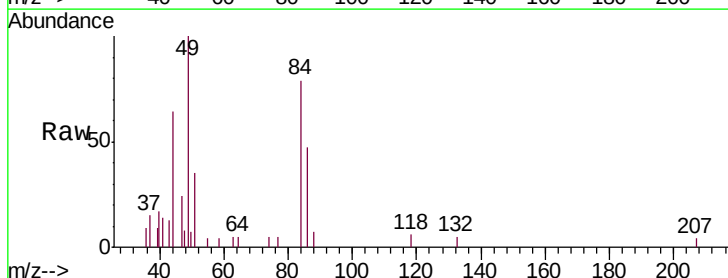
Tgt Ion: 84 Resp: 3828

Ion Ratio Lower Upper

84 100

86 59.5 43.0 80.0

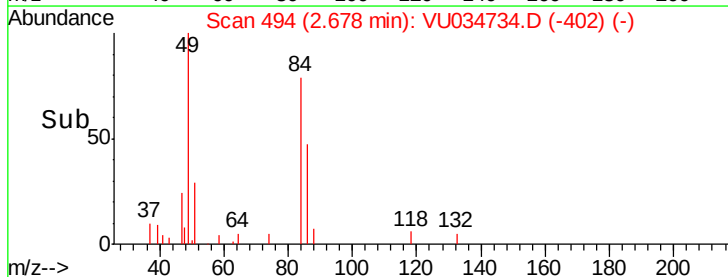
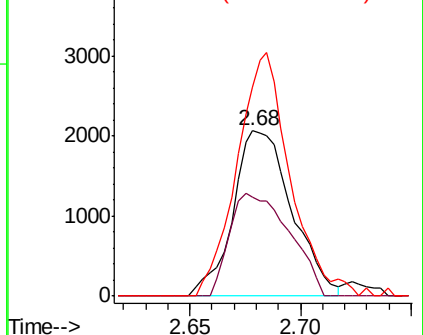
49 126.8 109.7 203.7

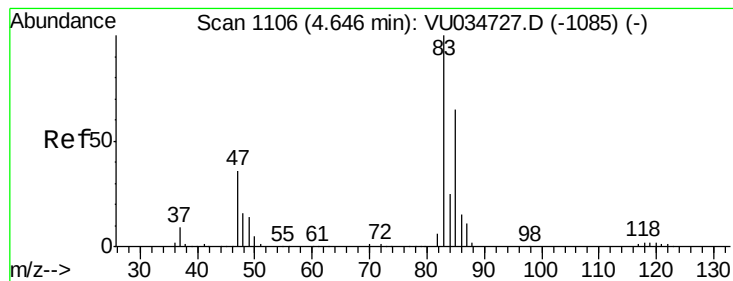


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#25

Chloroform

Concen: 2.242 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034734.D

Acq: 23 Sep 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

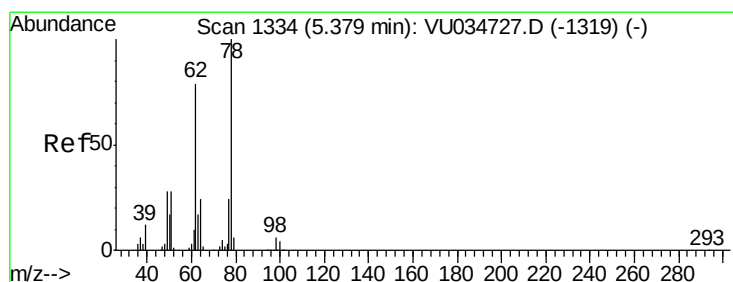
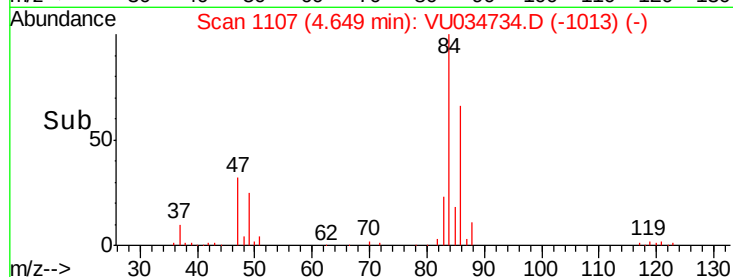
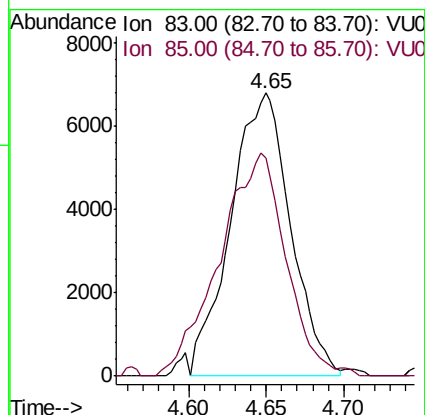
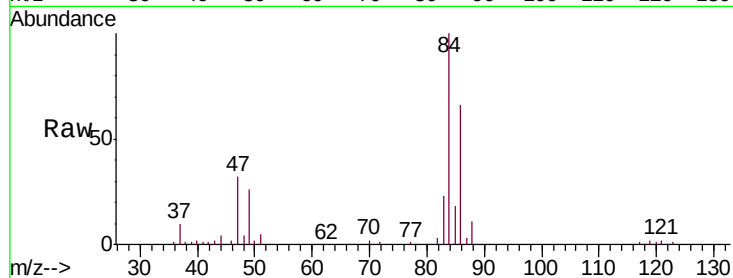
C0AW2

Tgt Ion: 83 Resp: 18347

Ion Ratio Lower Upper

83 100

85 77.1 44.0 81.6



#27

1,2-Dichloroethane

Concen: 1.206 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU034734.D

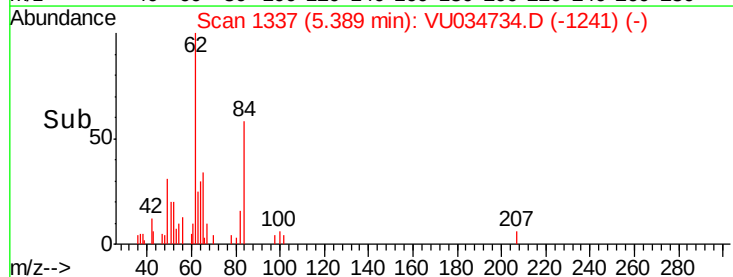
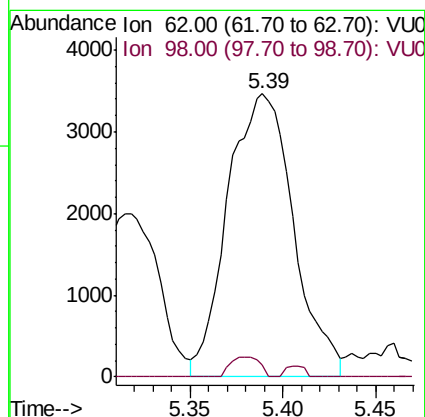
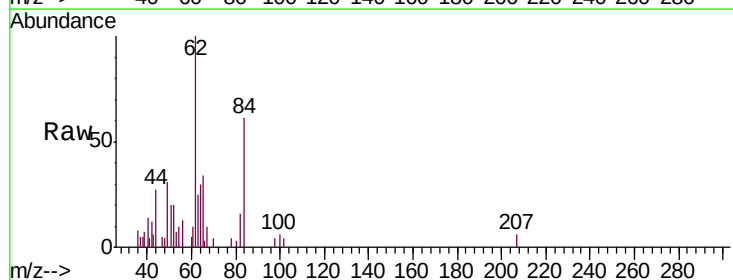
Acq: 23 Sep 2019 15:30

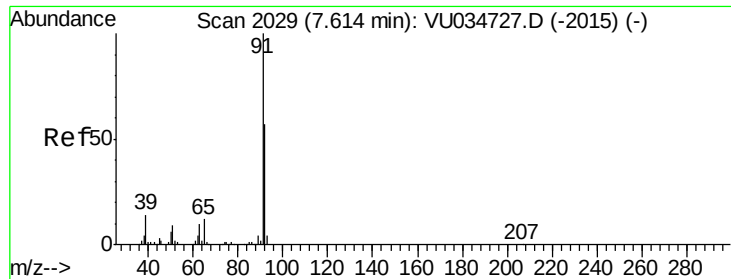
Tgt Ion: 62 Resp: 8525

Ion Ratio Lower Upper

62 100

98 4.2 5.3 7.9#





#42

Toluene

Concen: 1.193 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034734.D

Acq: 23 Sep 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

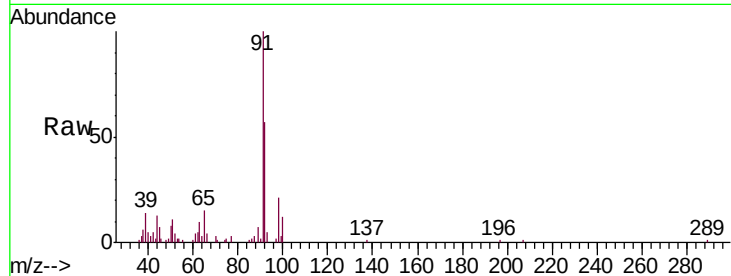
C0AW2

Tgt Ion: 91 Resp: 21919

Ion Ratio Lower Upper

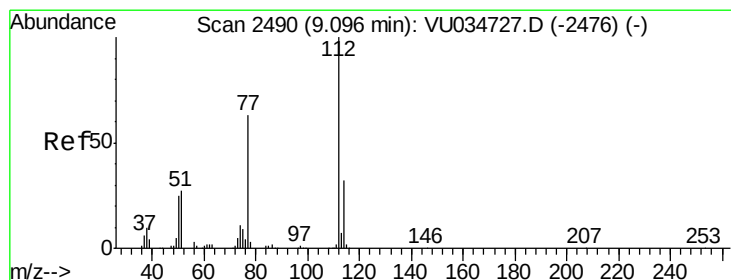
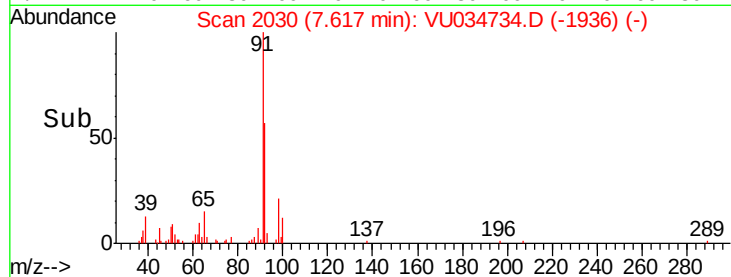
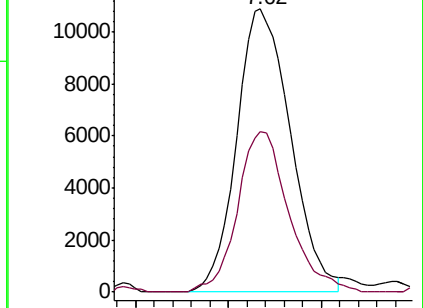
91 100

92 56.5 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU034727.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU034727.D (-2015) (-)



#51

Chlorobenzene

Concen: 12.044 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034734.D

Acq: 23 Sep 2019 15:30

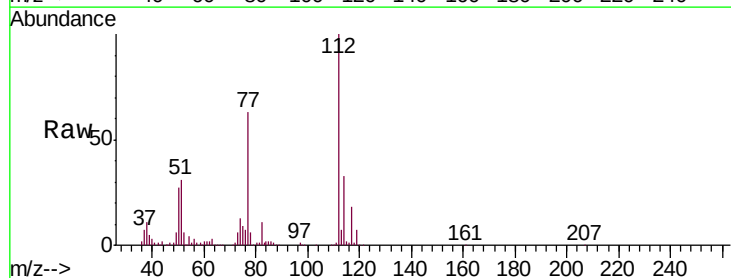
Tgt Ion: 112 Resp: 134494

Ion Ratio Lower Upper

112 100

114 32.7 22.8 42.4

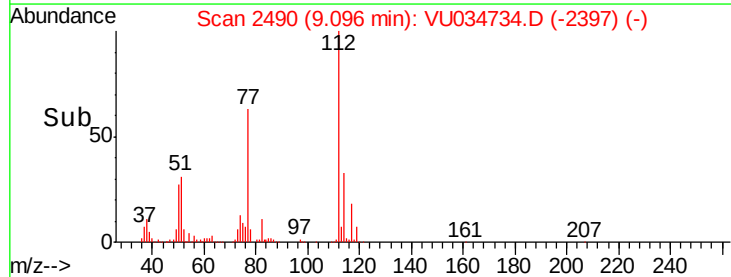
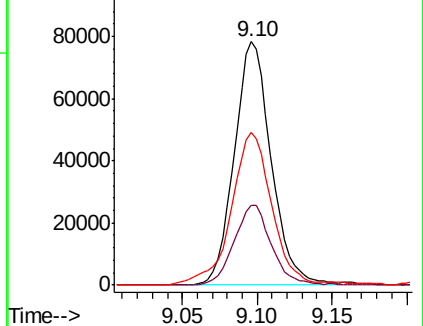
77 62.7 51.5 77.3

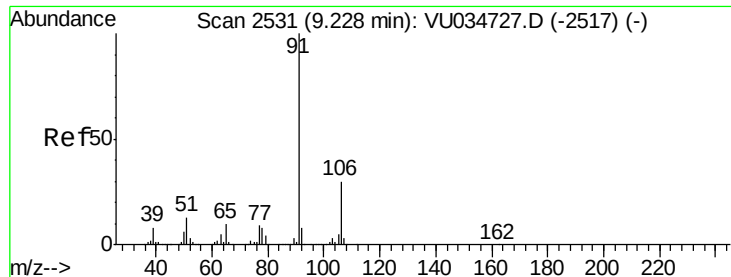


Abundance Ion 112.00 (111.70 to 112.70): VU034727.D (-2476) (-)

Ion 114.00 (113.70 to 114.70): VU034727.D (-2476) (-)

Ion 77.00 (76.70 to 77.70): VU034727.D (-2476) (-)

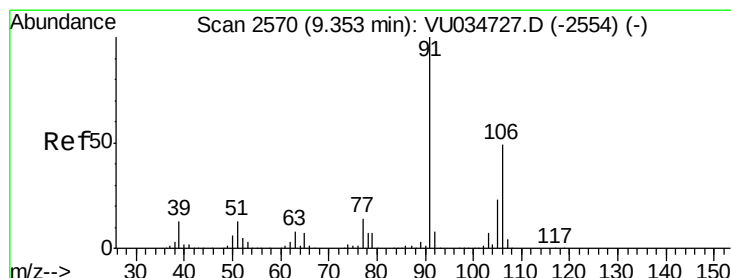
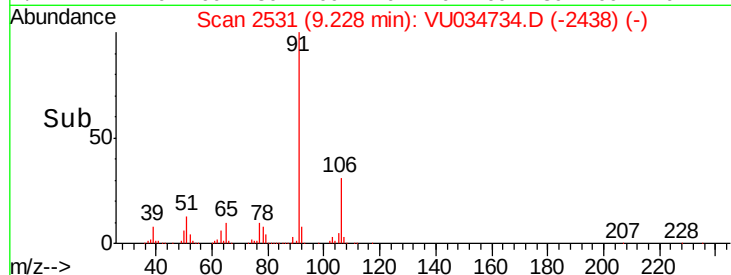
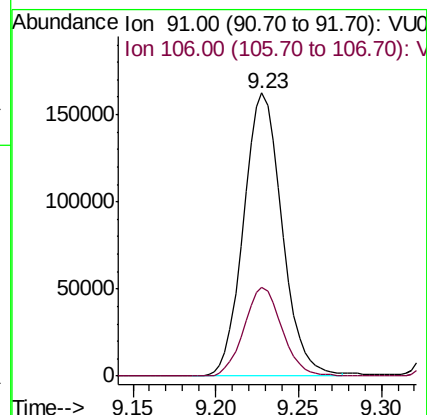
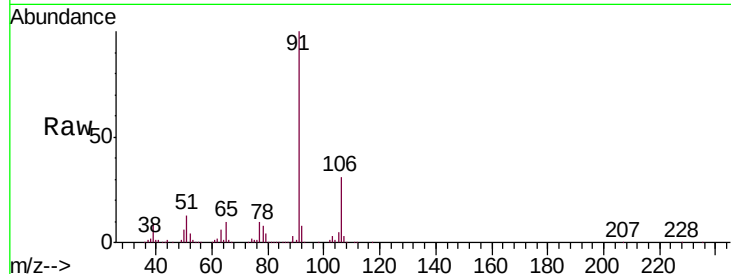




#52
Ethylbenzene
Concen: 12.685 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034734.D
Acq: 23 Sep 2019 15:30

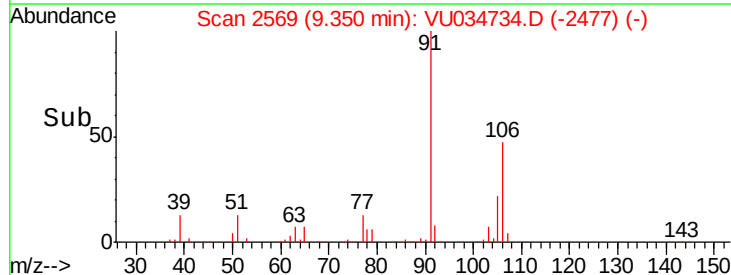
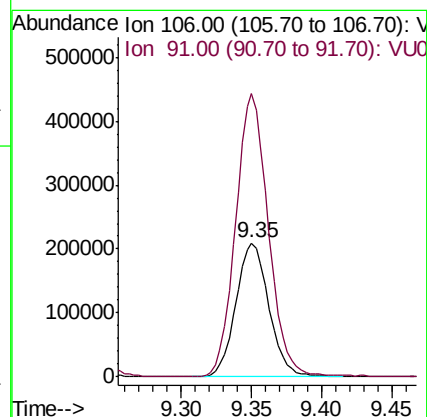
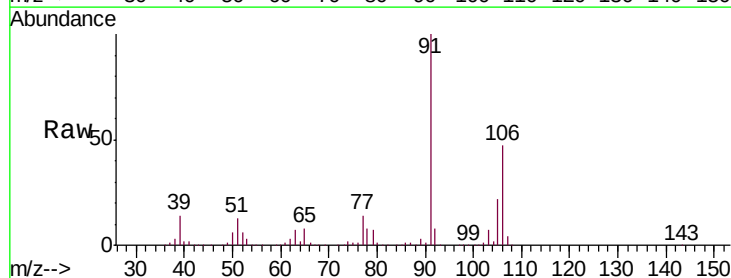
Instrument :
MSVOA_U
ClientSampleId :
C0AW2

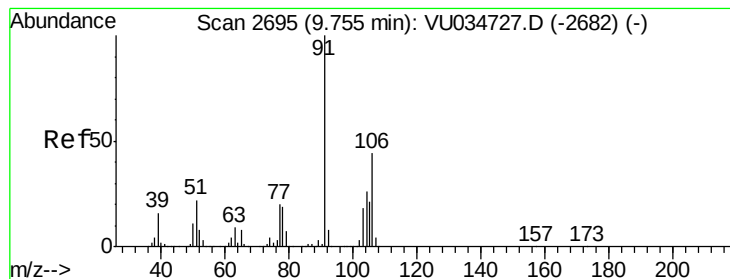
Tgt Ion: 91 Resp: 262389
Ion Ratio Lower Upper
91 100
106 31.4 20.6 38.4



#53
m,p-Xylene
Concen: 46.896 ug/L
RT: 9.35 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU034734.D
Acq: 23 Sep 2019 15:30

Tgt Ion: 106 Resp: 343595
Ion Ratio Lower Upper
106 100
91 211.2 146.9 272.7





#54

o-xylene

Concen: 12.827 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034734.D

Acq: 23 Sep 2019 15:30

Instrument :

MSVOA_U

ClientSampled :

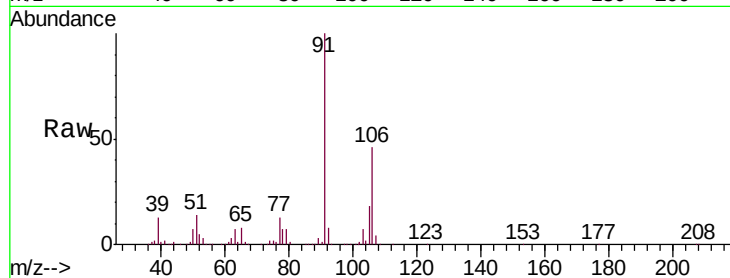
C0AW2

Tgt Ion:106 Resp: 92951

Ion Ratio Lower Upper

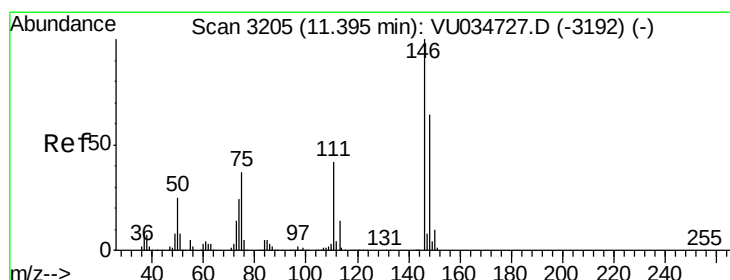
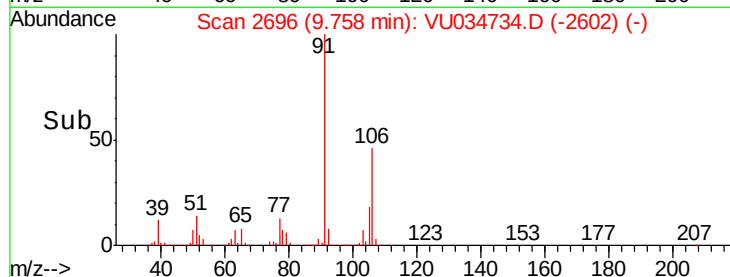
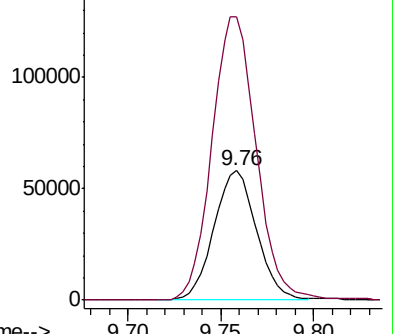
106 100

91 218.9 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#62

1,3-Dichlorobenzene

Concen: 118.658 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034734.D

Acq: 23 Sep 2019 15:30

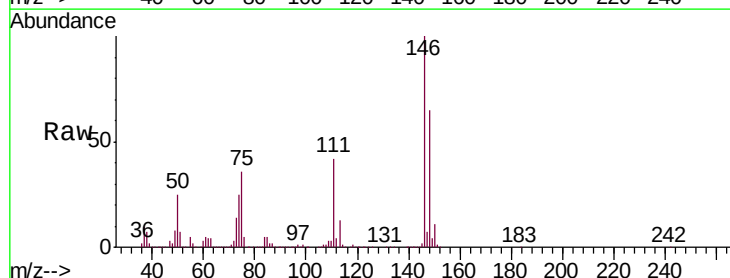
Tgt Ion:146 Resp: 1023810

Ion Ratio Lower Upper

146 100

111 42.1 30.4 56.5

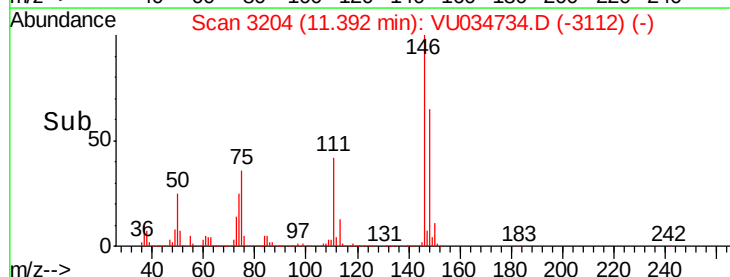
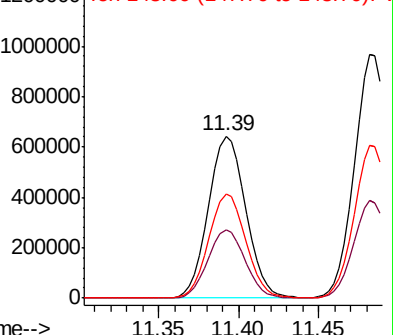
148 64.6 46.1 85.7

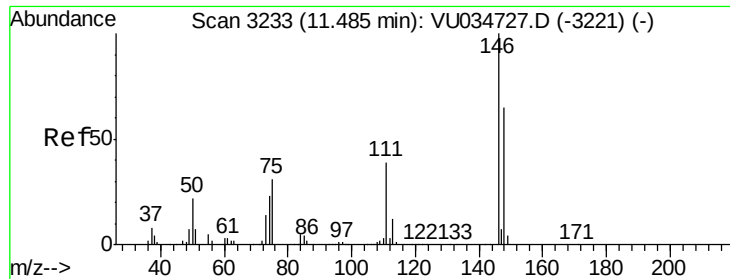


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

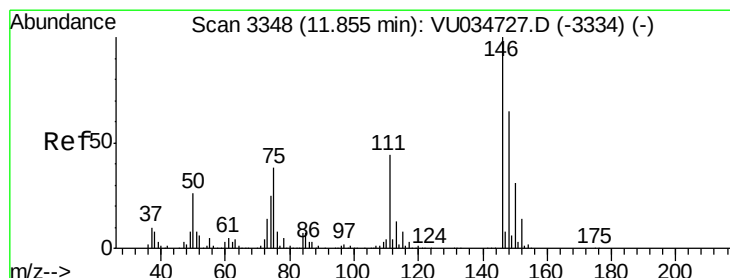
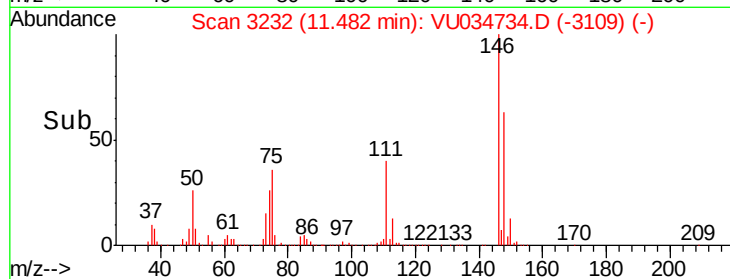
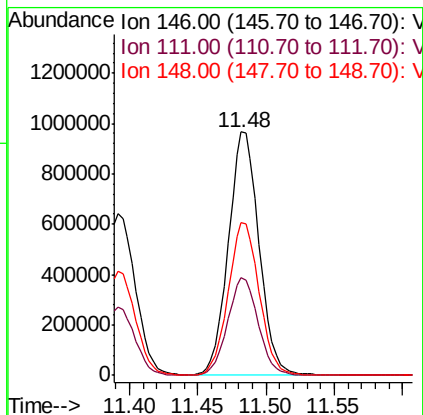
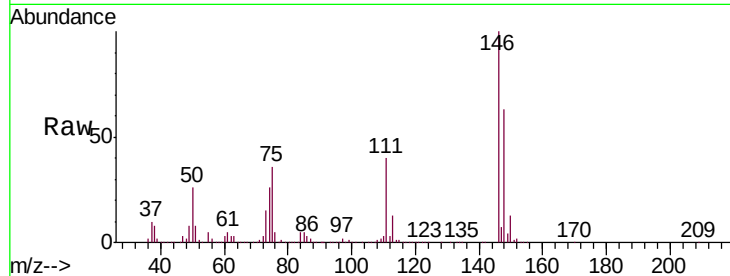




#63
 1,4-Dichlorobenzene
 Concen: 171.491 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

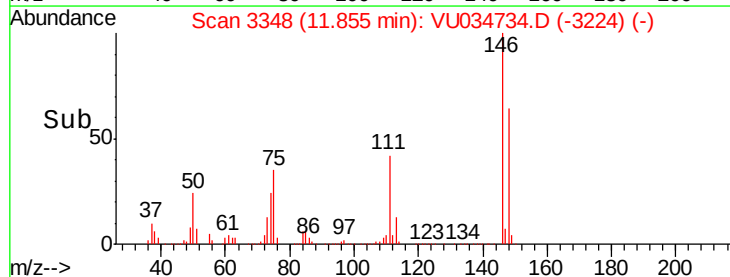
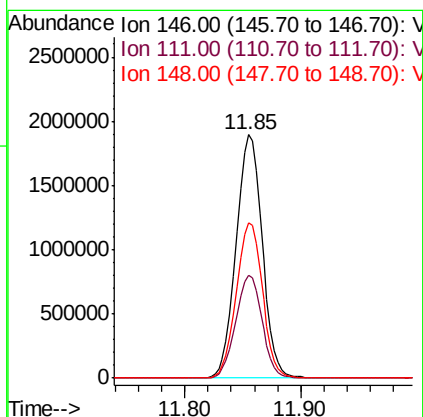
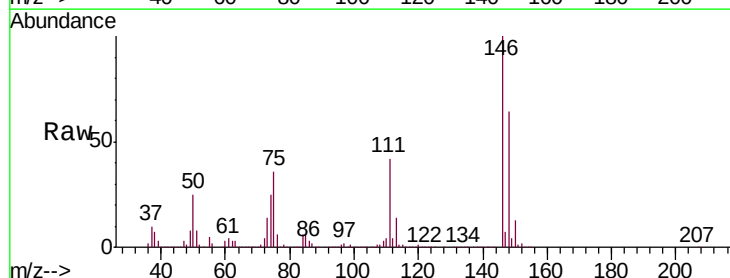
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

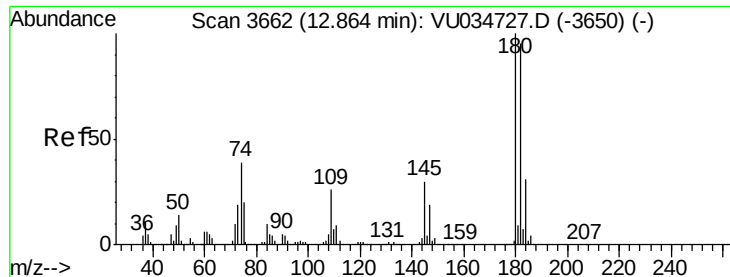
Tgt Ion:146 Resp: 1507304
 Ion Ratio Lower Upper
 146 100
 111 40.0 29.5 54.9
 148 62.7 44.4 82.4



#65
 1,2-Dichlorobenzene
 Concen: 337.979 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Tgt Ion:146 Resp: 2946499
 Ion Ratio Lower Upper
 146 100
 111 42.4 35.2 52.8
 148 63.8 53.0 79.6

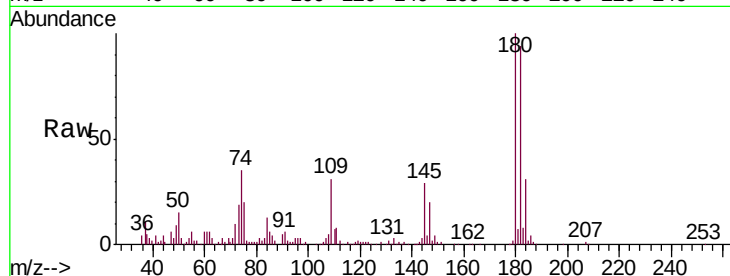




#67
 1,3,5-Trichlorobenzene
 Concen: 15.064 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.62 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	79.2	118.8
184	30.2	24.6	36.8
145	29.7	24.9	37.3



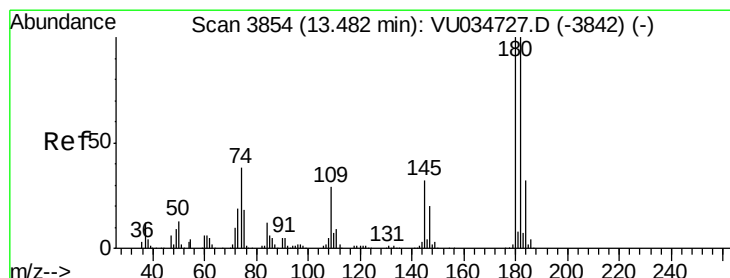
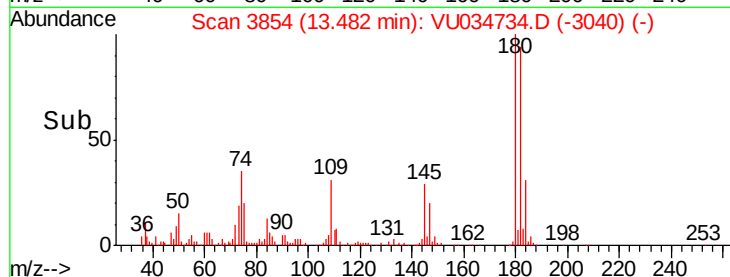
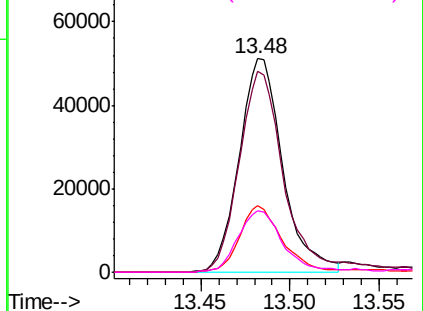
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

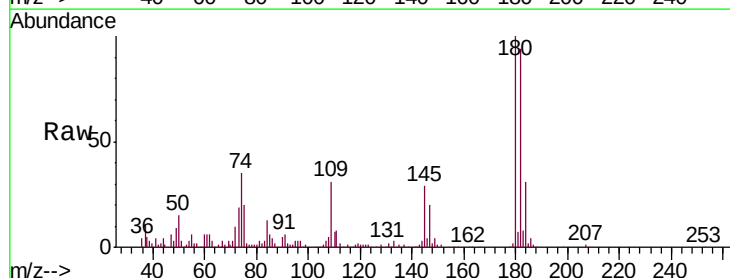
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 19.156 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.7	113.5
145	29.7	25.2	37.8

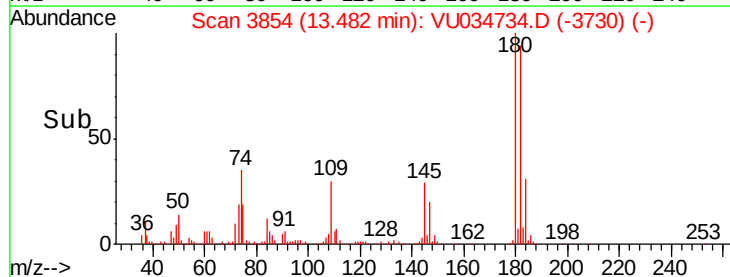
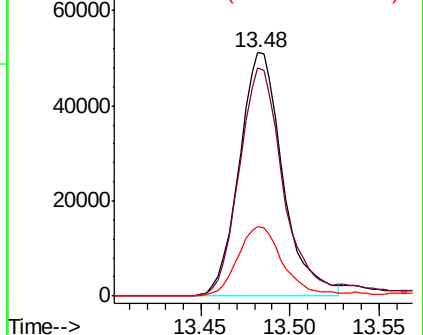


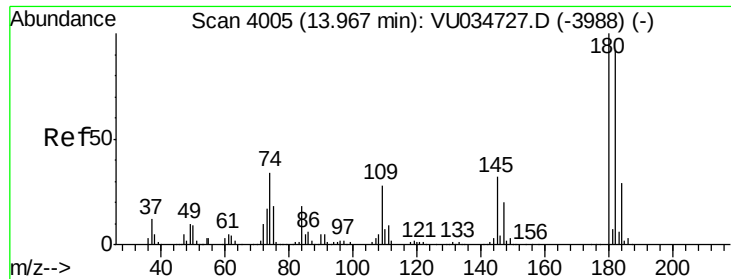
Abundance

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

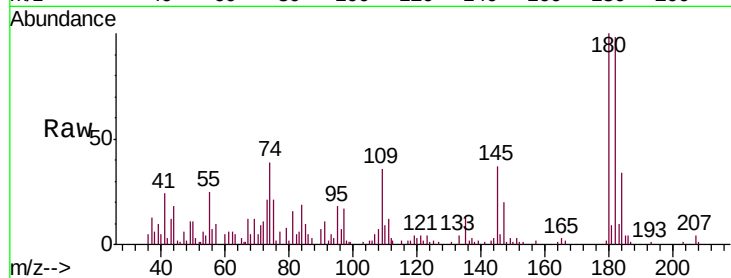




#70
 1,2,3-Trichlorobenzene
 Concen: 5.416 ug/L
 RT: 13.97 min Scan# 4005
 Delta R.T. 0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

Tgt Ion:	180	Resp:	25333
Ion	Ratio	Lower	Upper
180	100		
182	99.7	79.2	118.8
145	37.9	26.0	39.0



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

