

Data File : VU034735.D
Acq On : 23 Sep 2019 15:53
Operator : JC/SP
Sample : K4982-04 100X
Misc : 3.99g/5.0mL/100uL/10mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AT5DL

Quant Time: Sep 24 01:56:52 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	541091	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	504946	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	252411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	197101	35.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.16%
7) Chloroethane-d5	1.67	69	161014	37.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.22%
11) 1,1-Dichloroethene-d2	2.52	63	202	0.02	ug/L	0.26
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	4.15	46	368709	86.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.85%
24) Chloroform-d	4.62	84	274518	34.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.18%#
26) 1,2-Dichloroethane-d4	5.28	65	237946	40.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.38%
32) Benzene-d6	5.32	84	671167	42.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.76%
36) 1,2-Dichloropropane-d6	6.31	67	235136	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.96%
41) Toluene-d8	7.54	98	629732	42.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.58%
43) trans-1,3-Dichloropropene-	7.83	79	110146	42.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.08%
47) 2-Hexanone-d5	8.29	63	233814	85.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.10%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	304752	40.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.30%
64) 1,2-Dichlorobenzene-d4	11.84	152	219026	41.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.76%

Target Compounds

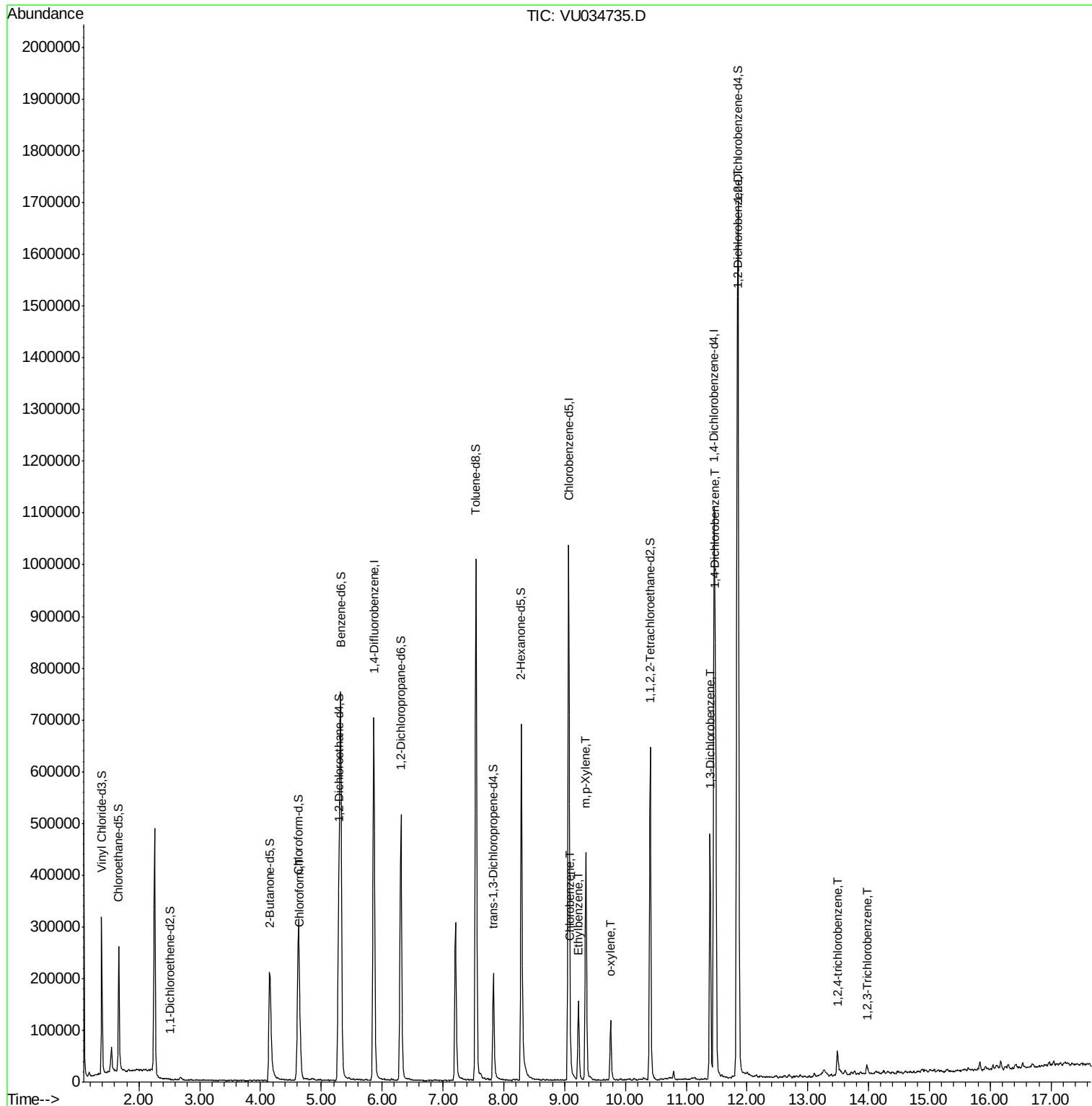
					Qvalue
25) Chloroform	4.65	83	57988	6.632	ug/L 100
51) Chlorobenzene	9.10	112	12945	1.125	ug/L 96
52) Ethylbenzene	9.23	91	102205	4.795	ug/L 95
53) m,p-Xylene	9.35	106	112323	14.879	ug/L 98
54) o-xylene	9.76	106	27708	3.711	ug/L 90
62) 1,3-Dichlorobenzene	11.39	146	172279	19.709	ug/L 97
63) 1,4-Dichlorobenzene	11.49	146	254929	28.629	ug/L 97
65) 1,2-Dichlorobenzene	11.85	146	510957	57.852	ug/L 97
68) 1,2,4-trichlorobenzene	13.49	180	18135	3.938	ug/L # 93
70) 1,2,3-Trichlorobenzene	13.97	180	6118	1.291	ug/L # 80

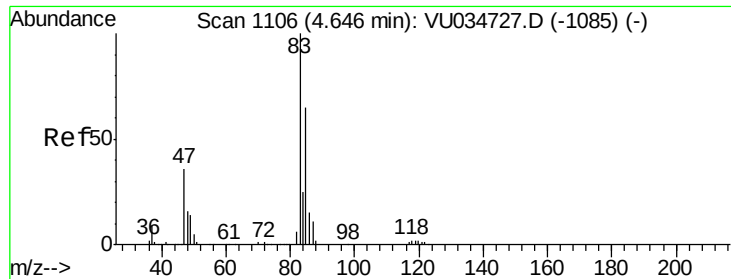
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#25

Chloroform

Concen: 6.632 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

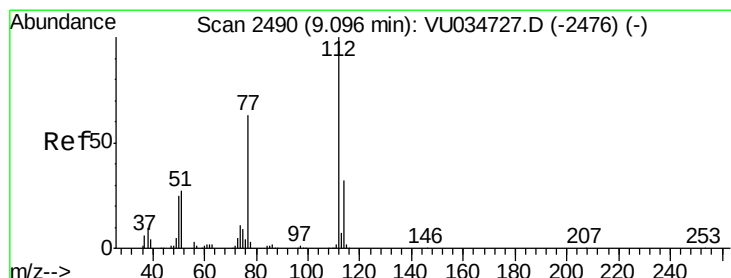
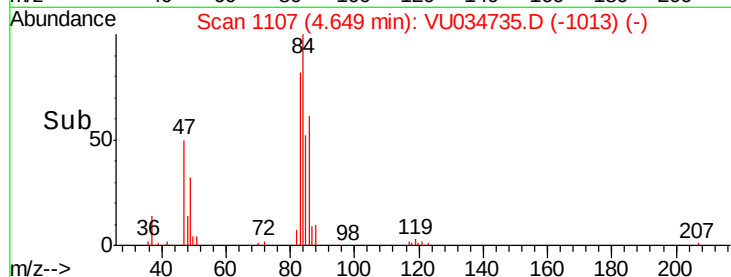
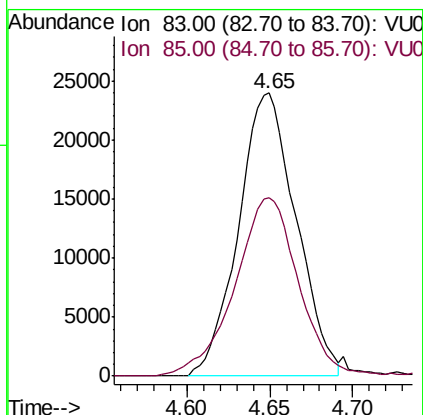
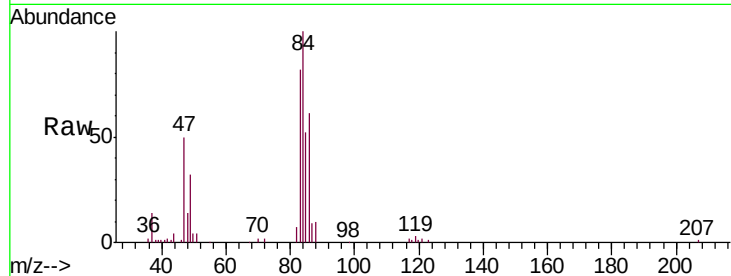
C0AT5DL

Tgt Ion: 83 Resp: 57988

Ion Ratio Lower Upper

83 100

85 63.0 44.0 81.6



#51

Chlorobenzene

Concen: 1.125 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034735.D

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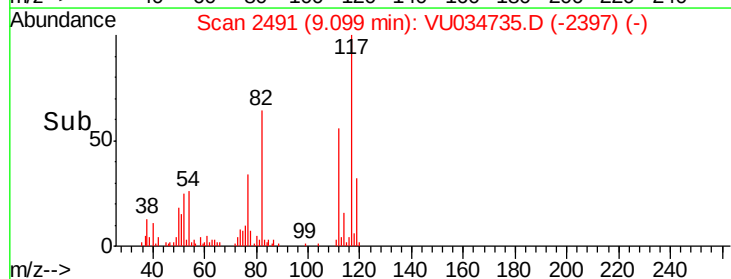
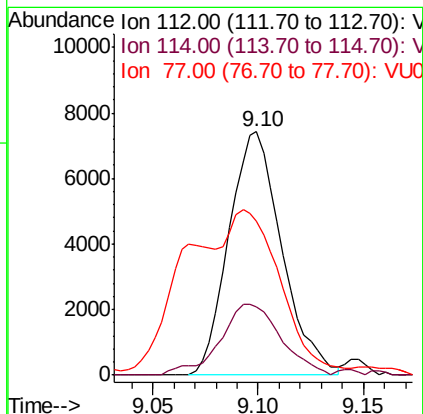
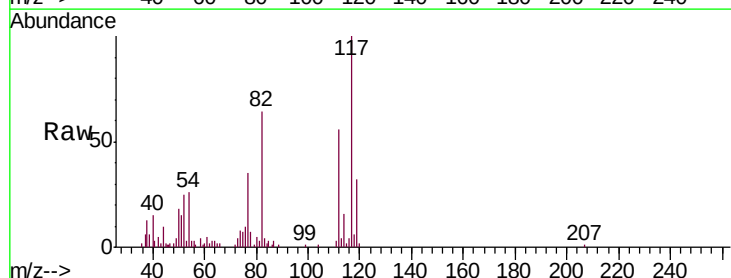
Tgt Ion: 112 Resp: 12945

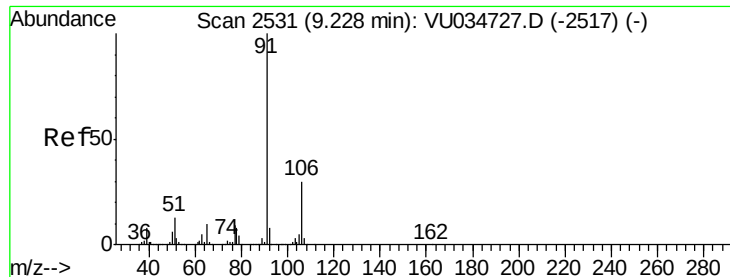
Ion Ratio Lower Upper

112 100

114 28.0 22.8 42.4

77 63.2 51.5 77.3





#52

Ethylbenzene

Concen: 4.795 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034735.D

Acq: 23 Sep 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

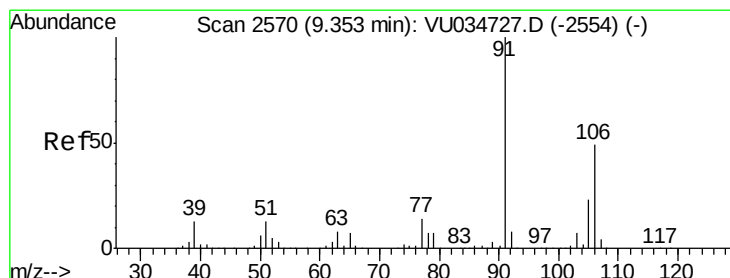
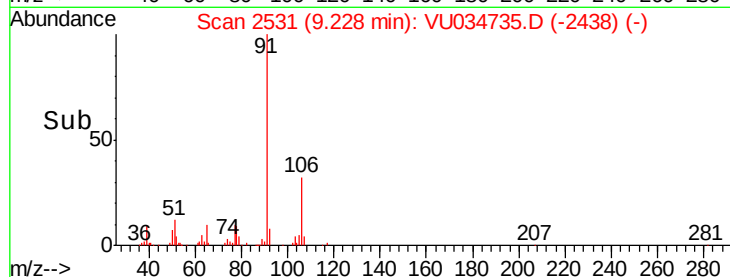
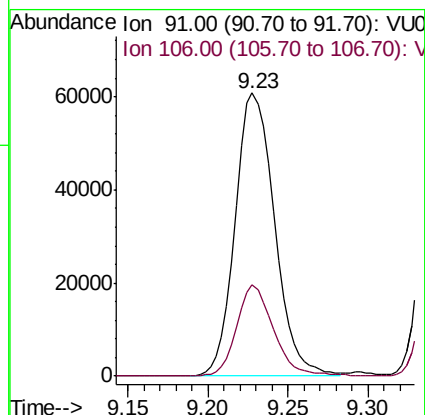
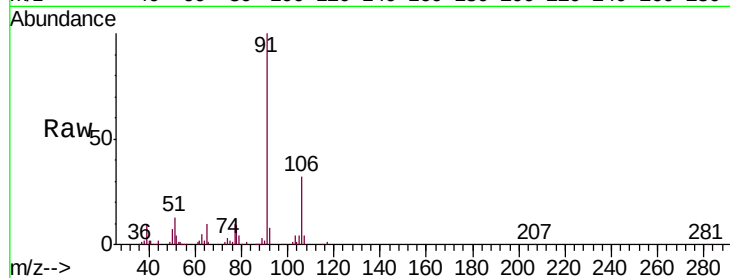
C0AT5DL

Tgt Ion: 91 Resp: 102205

Ion Ratio Lower Upper

91 100

106 32.4 20.6 38.4



#53

m,p-Xylene

Concen: 14.879 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034735.D

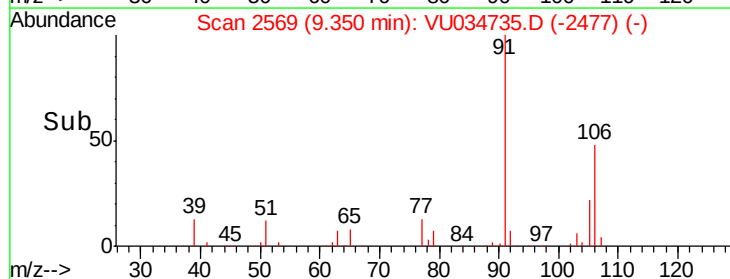
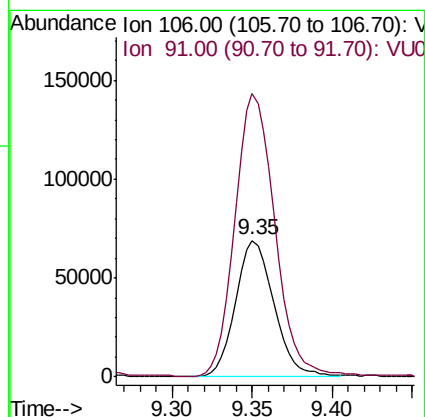
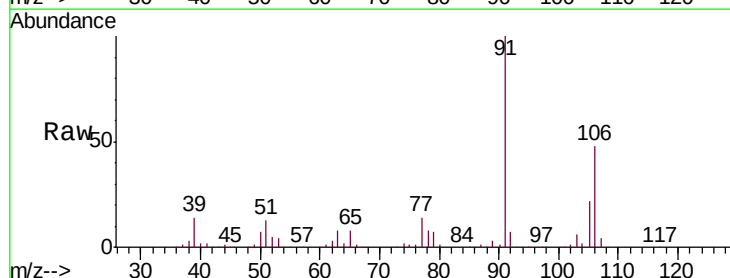
Acq: 23 Sep 2019 15:53

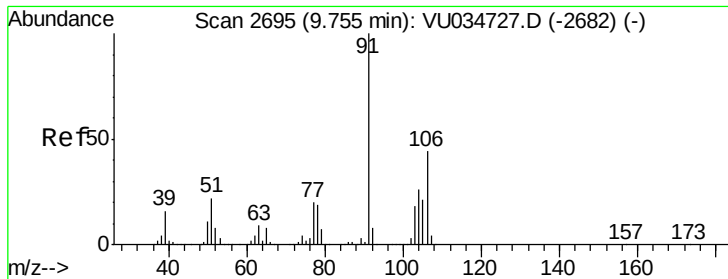
Tgt Ion: 106 Resp: 112323

Ion Ratio Lower Upper

106 100

91 207.1 146.9 272.7





#54

o-xylene

Concen: 3.711 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034735.D

Acq: 23 Sep 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

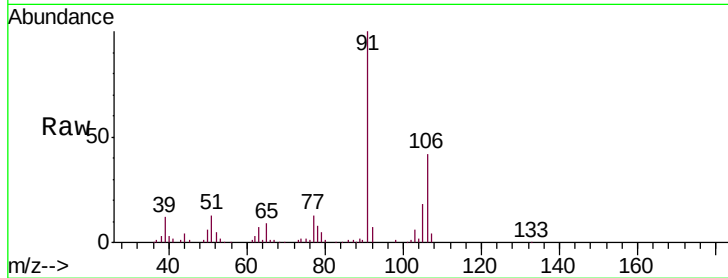
C0AT5DL

Tgt Ion:106 Resp: 27708

Ion Ratio Lower Upper

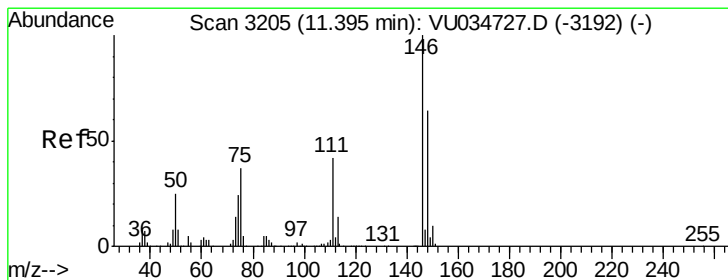
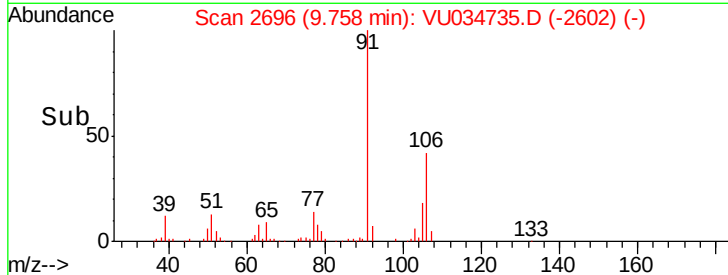
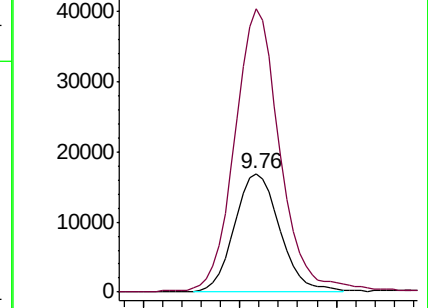
106 100

91 238.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#62

1,3-Dichlorobenzene

Concen: 19.709 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034735.D

Acq: 23 Sep 2019 15:53

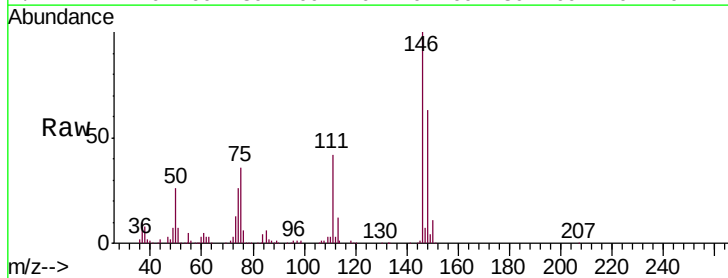
Tgt Ion:146 Resp: 172279

Ion Ratio Lower Upper

146 100

111 41.6 30.4 56.5

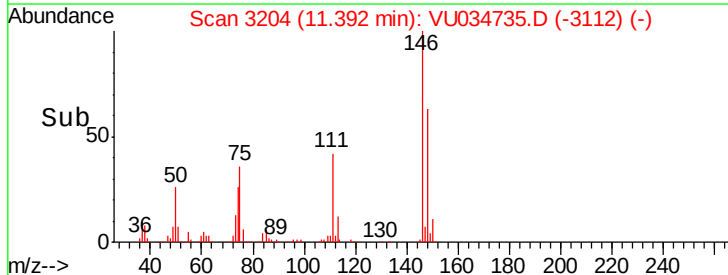
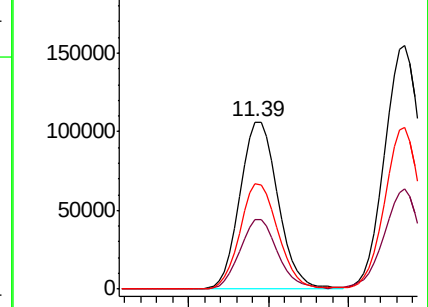
148 62.9 46.1 85.7

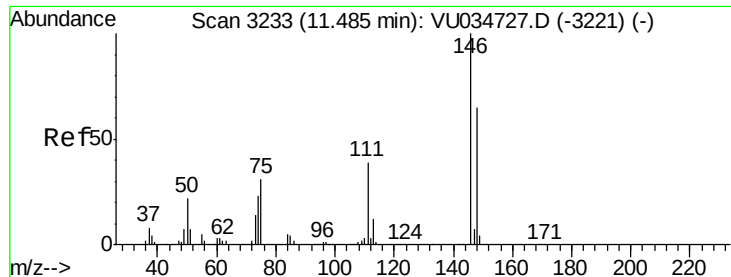


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

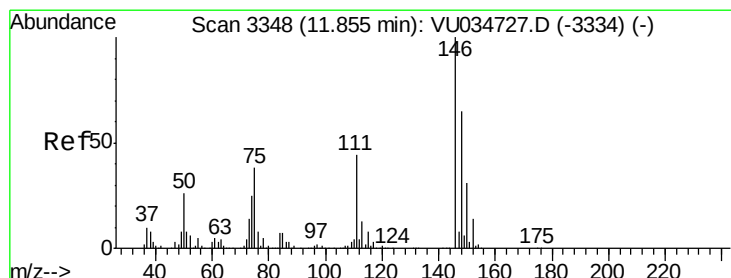
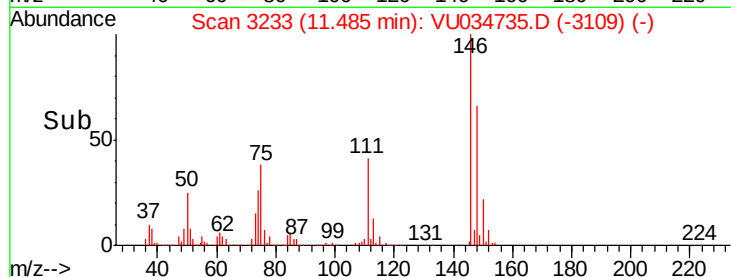
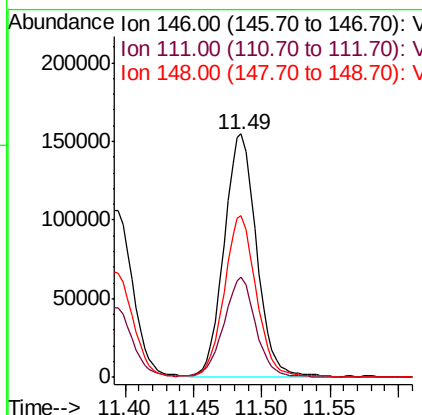
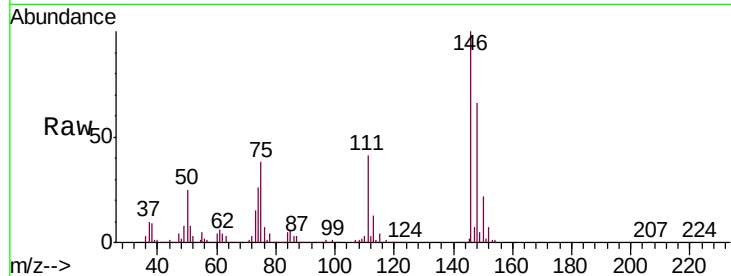




#63
 1,4-Dichlorobenzene
 Concen: 28.629 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034735.D
 Acq: 23 Sep 2019 15:53

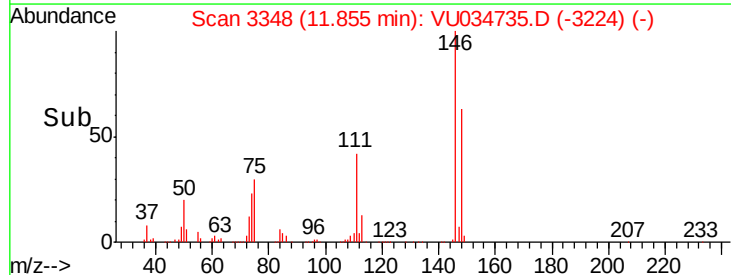
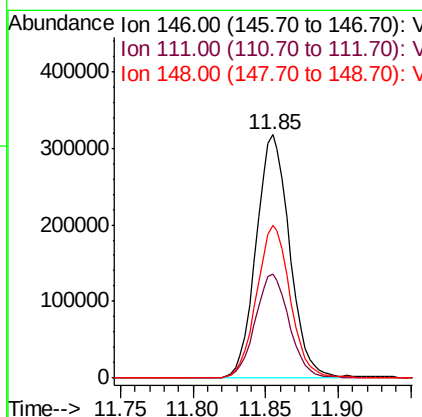
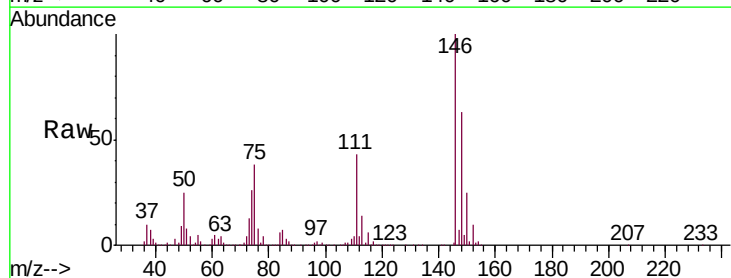
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT5DL

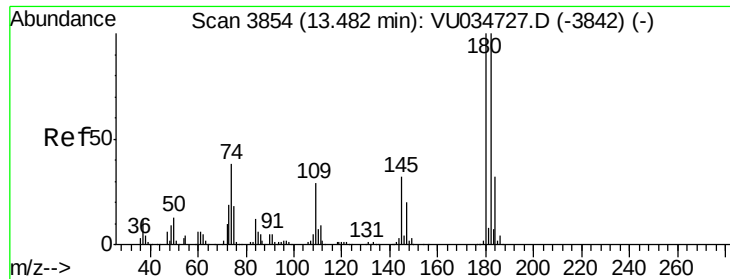
Tgt Ion:146 Resp: 254929
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.5 54.9
 148 66.5 44.4 82.4



#65
 1,2-Dichlorobenzene
 Concen: 57.852 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034735.D
 Acq: 23 Sep 2019 15:53

Tgt Ion:146 Resp: 510957
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.2 52.8
 148 62.8 53.0 79.6

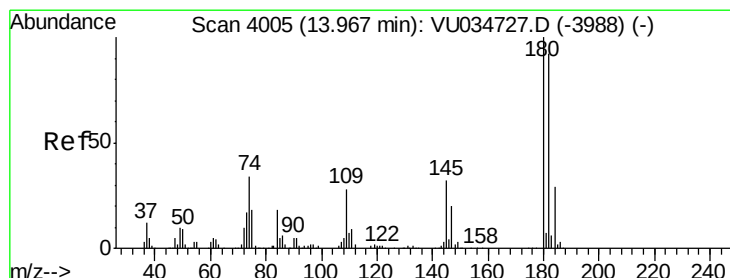
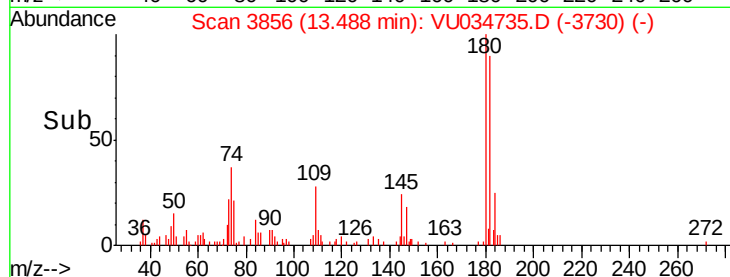
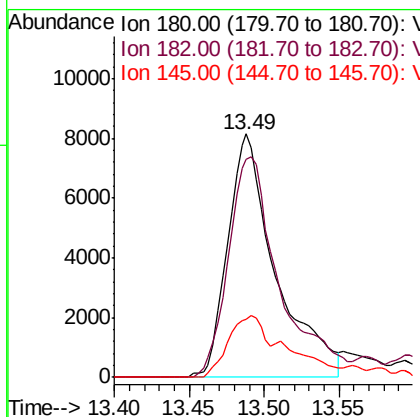
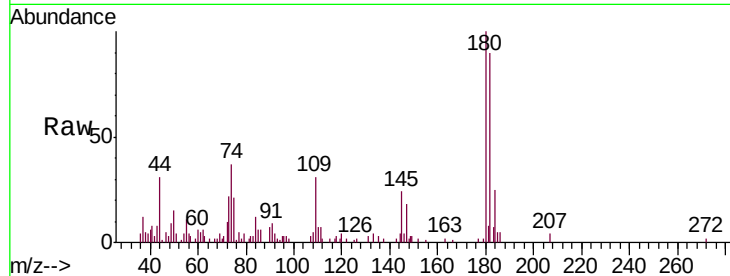




#68
 1,2,4-trichlorobenzene
 Concen: 3.938 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.01 min
 Lab File: VU034735.D
 Acq: 23 Sep 2019 15:53

Instrument :
 MSVOA_U
 ClientSampled :
 C0AT5DL

Tgt Ion:180 Resp: 18135
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.7 113.5
 145 19.2 25.2 37.8#



#70
 1,2,3-Trichlorobenzene
 Concen: 1.291 ug/L
 RT: 13.97 min Scan# 4007
 Delta R.T. 0.01 min
 Lab File: VU034735.D
 Acq: 23 Sep 2019 15:53

Tgt Ion:180 Resp: 6118
 Ion Ratio Lower Upper
 180 100
 182 80.3 79.2 118.8
 145 19.1 26.0 39.0#

