

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034812.D
 Acq On : 25 Sep 2019 19:10
 Operator : JC/SP
 Sample : K4983-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDF1

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:06:19 PM

Quant Time: Sep 26 08:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 06:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	438398	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	426991	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	204012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	194690	43.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.76%
7) Chloroethane-d5	1.67	69	172841	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.66%
11) 1,1-Dichloroethene-d2	2.26	63	264031	34.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.48%
21) 2-Butanone-d5	4.15	46	422448	122.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.81%
24) Chloroform-d	4.62	84	331304	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
26) 1,2-Dichloroethane-d4	5.29	65	228990	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
32) Benzene-d6	5.32	84	694465	52.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.94%
36) 1,2-Dichloropropane-d6	6.31	67	245059	52.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.96%
41) Toluene-d8	7.54	98	659291	52.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.72%
43) trans-1,3-Dichloropropene-	7.83	79	107043	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.64%
47) 2-Hexanone-d5	8.29	63	282433	121.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.56%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	335732	52.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.62%
64) 1,2-Dichlorobenzene-d4	11.84	152	244606	57.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	50894	12.720	ug/L	89
15) Methyl Acetate	2.60	43	6631m	1.241	ug/L	
16) Methylene chloride	2.68	84	61957	17.053	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	12668m	3.455	ug/L	
29) Cyclohexane	4.97	56	16543	2.347	ug/L	90
33) Benzene	5.37	78	104077	7.028	ug/L	100
35) Methylcyclohexane	6.40	83	16481	2.655	ug/L	98
42) Toluene	7.61	91	672617	42.027	ug/L	98
52) Ethylbenzene	9.23	91	504200	27.976	ug/L	97
53) m,p-Xylene	9.35	106	550464	86.233	ug/L	96
54) o-xylene	9.76	106	453298	71.795	ug/L	97
56) Isopropylbenzene	10.14	105	47546	2.793	ug/L	97
63) 1,4-Dichlorobenzene	11.48	146	6088	0.846	ug/L	95
65) 1,2-Dichlorobenzene	11.85	146	41542	5.819	ug/L	94

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

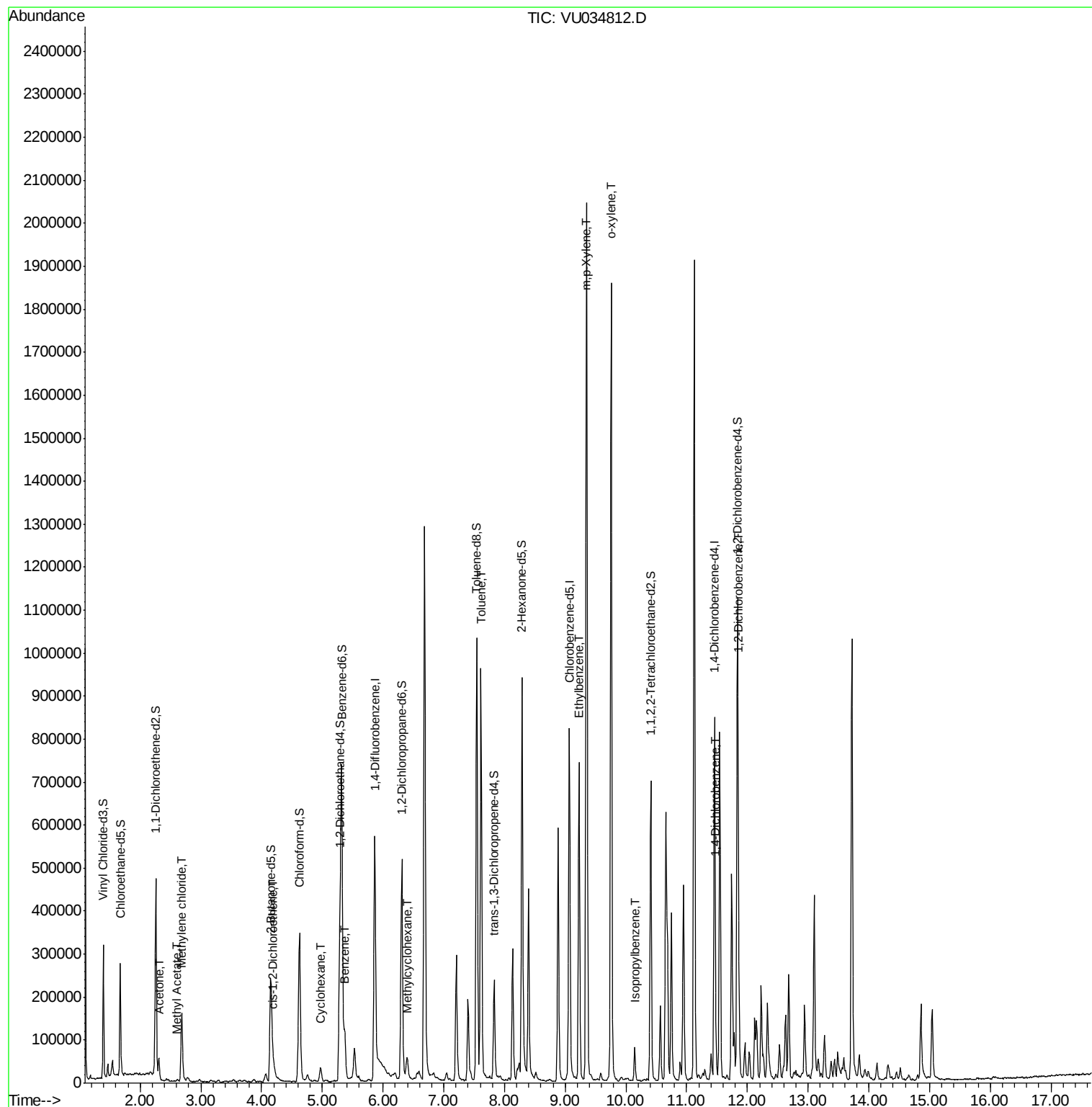
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034812.D
Acq On : 25 Sep 2019 19:10
Operator : JC/SP
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ALS Vial : 23 Sample Multiplier: 1

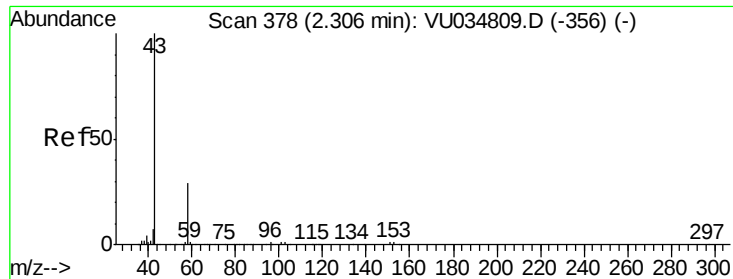
Instrument :
MSVOA_U
ClientSampleId :
BFDF1

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9/26/2019 1:06:19 PM

Quant Time: Sep 26 08:27:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration





#13

Acetone

Concen: 12.720 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034812.D

Acq: 25 Sep 2019 19:10

Instrument :

MSVOA_U

ClientSampleId :

BPDF1

Tot Ion: 43 Resp: 50894

Ion Ratio Lower Upper

43 100

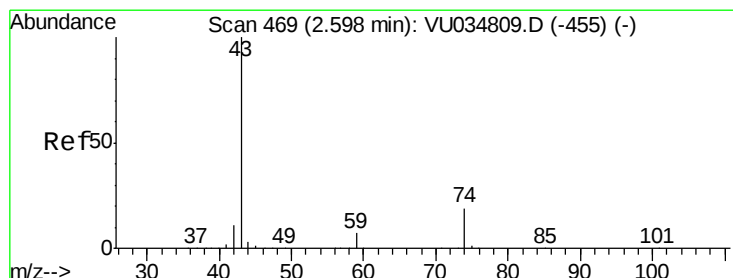
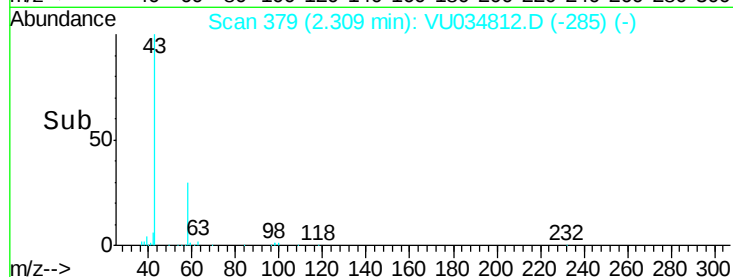
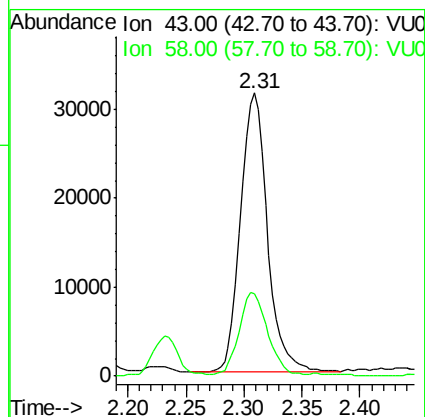
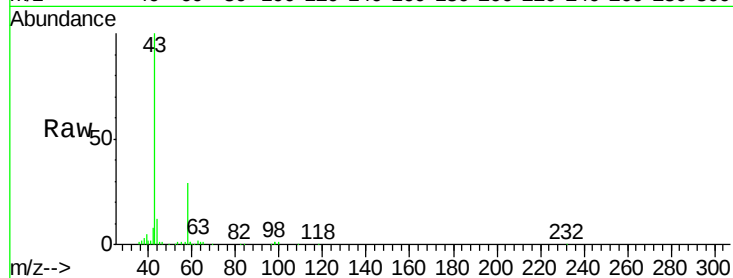
58 32.2 0.0 53.4

Manual Integrations

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#15

Methyl Acetate

Concen: 1.241 ug/L m

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034812.D

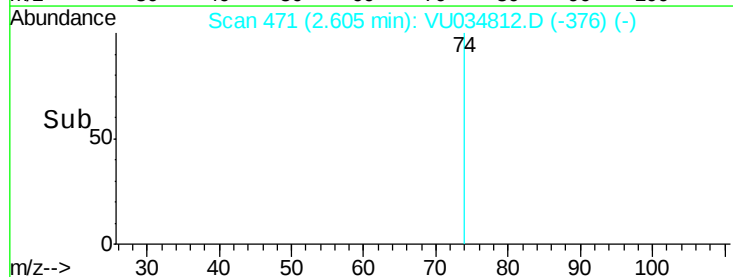
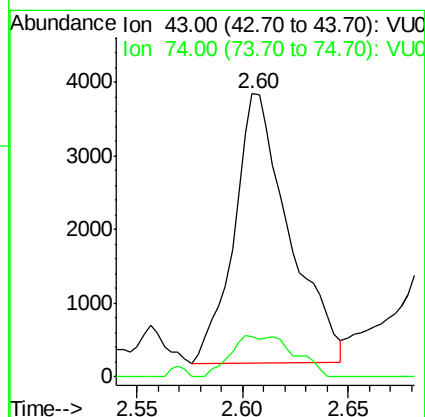
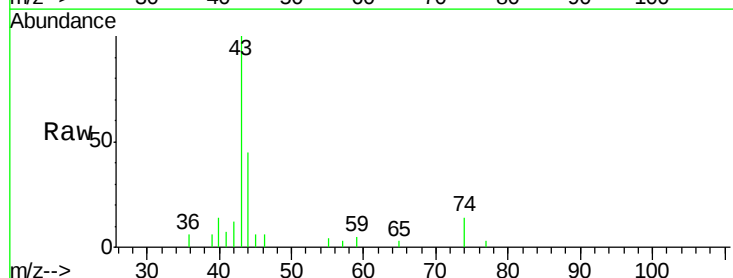
Acq: 25 Sep 2019 19:10

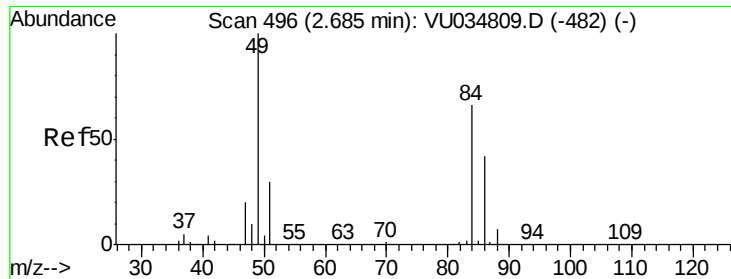
Tgt Ion: 43 Resp: 6631

Ion Ratio Lower Upper

43 100

74 1.0 14.4 21.6#





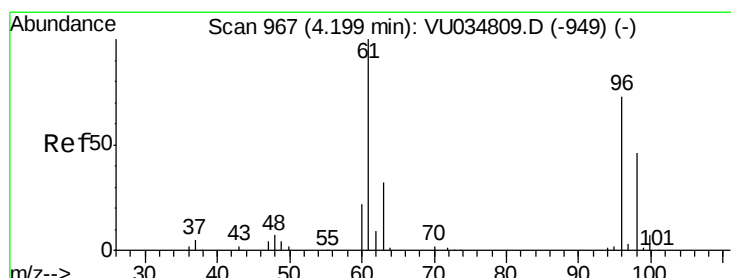
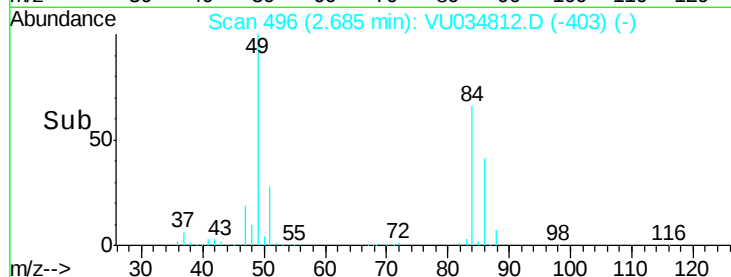
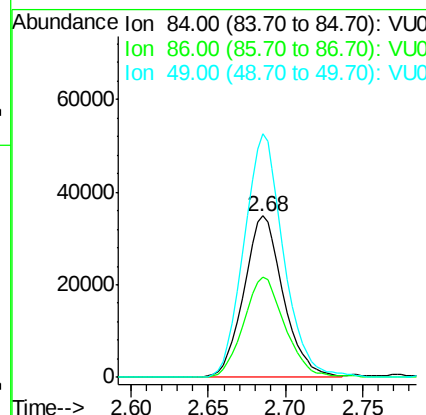
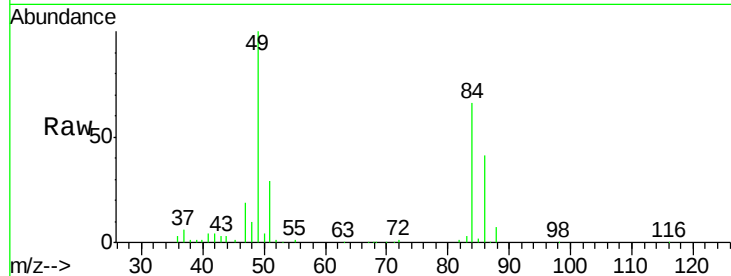
#16
Methylene chloride
Concen: 17.053 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034812.D
Acq: 25 Sep 2019 19:10

Instrument :
MSVOA_U
ClientSampleId :
BDFD1

Tot Ion	Ratio	Lower	Upper
84	100		
86	61.9	43.0	80.0
49	150.6	109.7	203.7

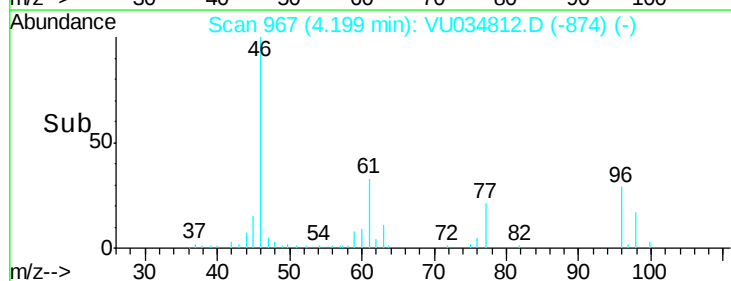
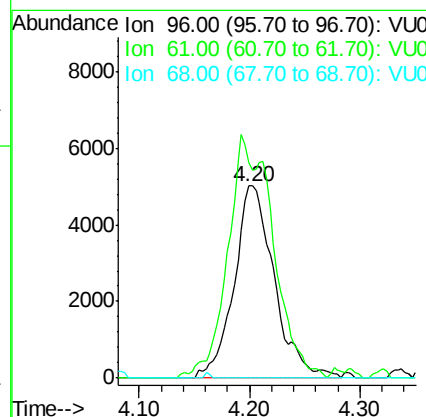
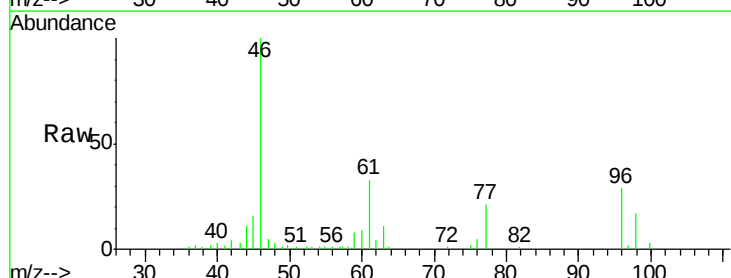
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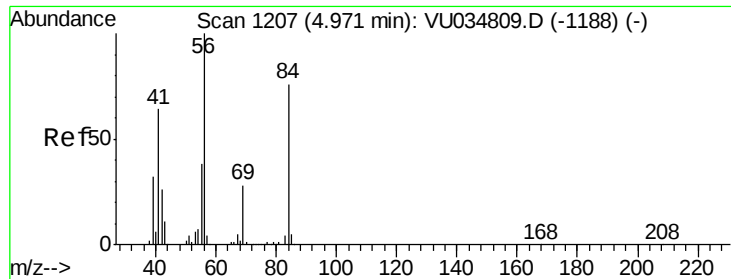
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#20
cis-1,2-Dichloroethene
Concen: 3.455 ug/L m
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034812.D
Acq: 25 Sep 2019 19:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	111.9	108.8	202.2
68	0.0	0.0	0.0





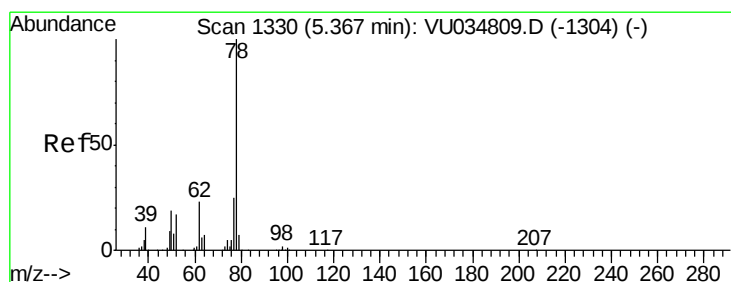
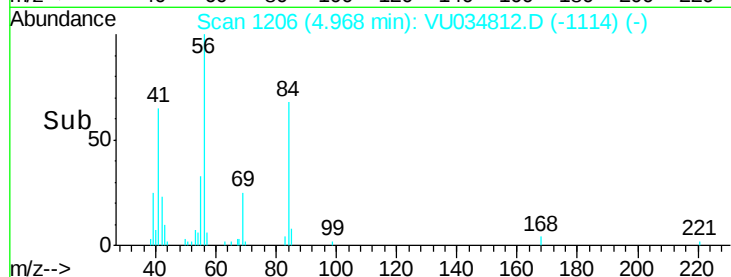
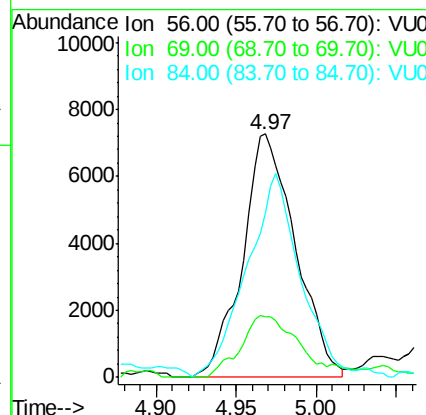
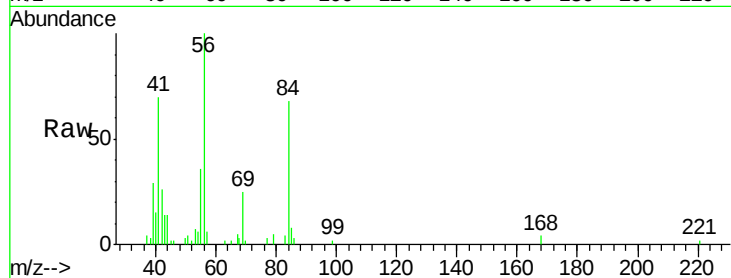
#29
Cyclohexane
Concen: 2.347 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034812.D
Acq: 25 Sep 2019 19:10

Instrument :
MSVOA_U
ClientSampled :
BDFD1

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.6	21.7	32.5
84	84.5	58.8	88.2

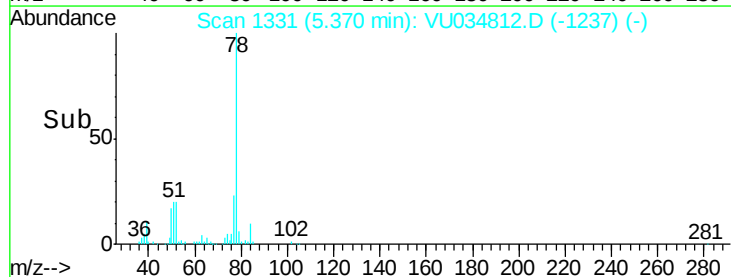
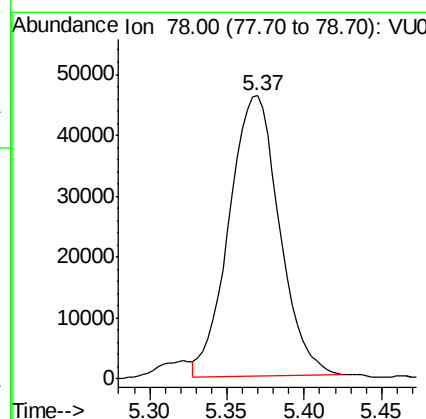
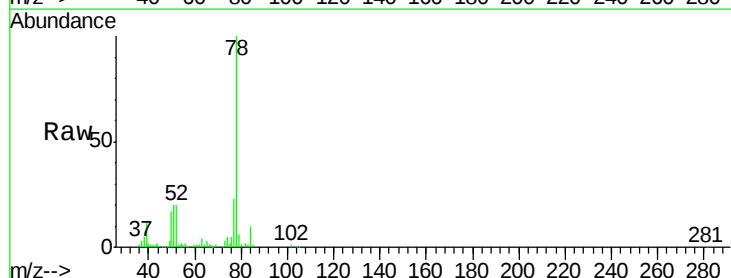
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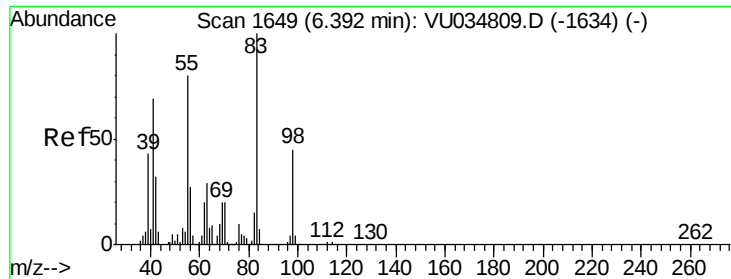
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#33
Benzene
Concen: 7.028 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034812.D
Acq: 25 Sep 2019 19:10

Tgt Ion: 78 Resp: 104077





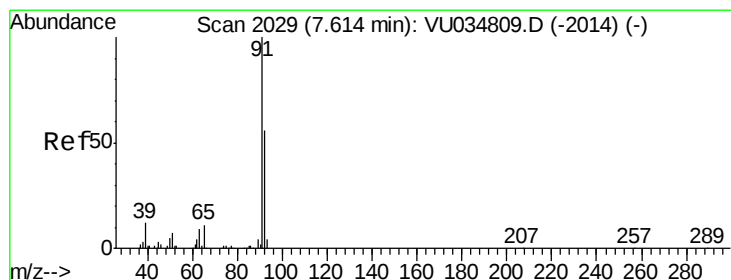
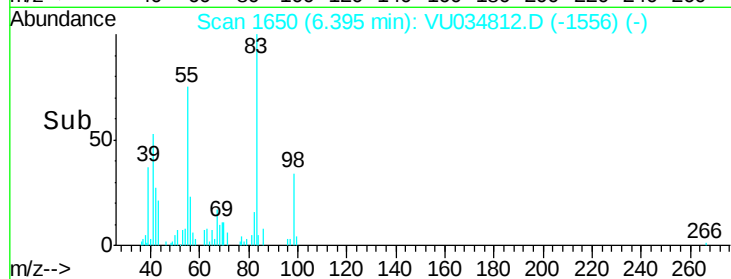
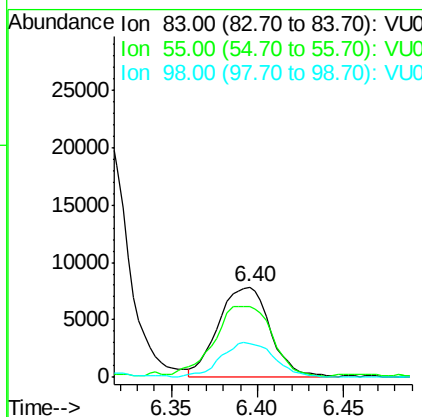
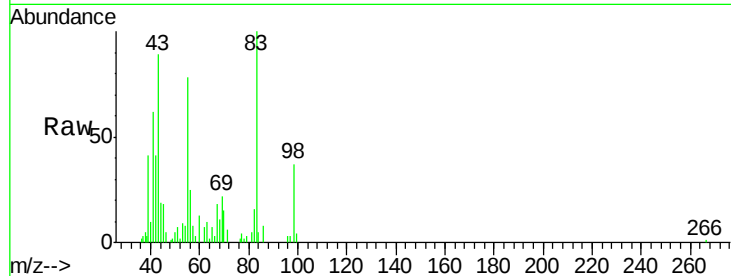
#35
Methylvlcvclohexane
Concen: 2.655 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034812.D
Acq: 25 Sep 2019 19:10

Instrument :
MSVOA_U
ClientSampleId :
BFDf1

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	71.6	107.4
98	40.0	35.7	53.5

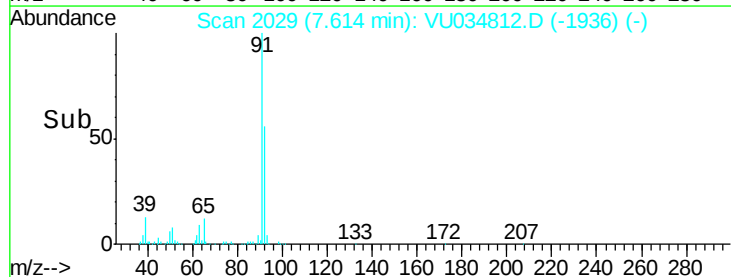
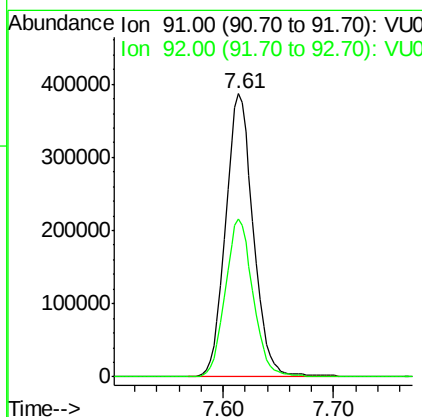
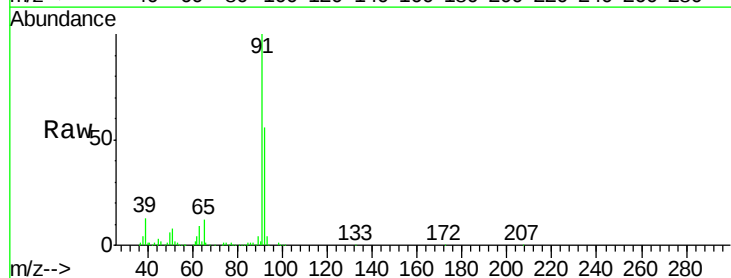
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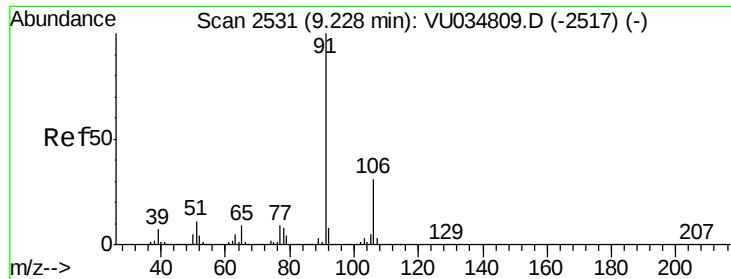
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#42
Toluene
Concen: 42.027 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VU034812.D
Acq: 25 Sep 2019 19:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.8	38.2	71.0





#52

Ethylbenzene

Concen: 27.976 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034812.D

Acq: 25 Sep 2019 19:10

Instrument :

MSVOA_U

ClientSampled :

BDF1

Tot Ion: 91 Resp: 504200

Ion Ratio Lower Upper

91 100

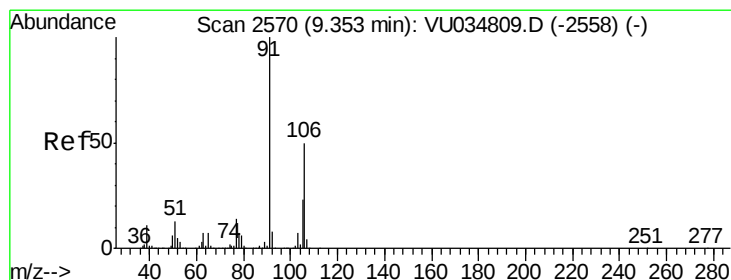
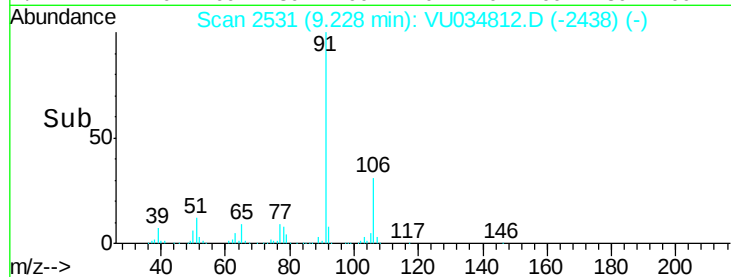
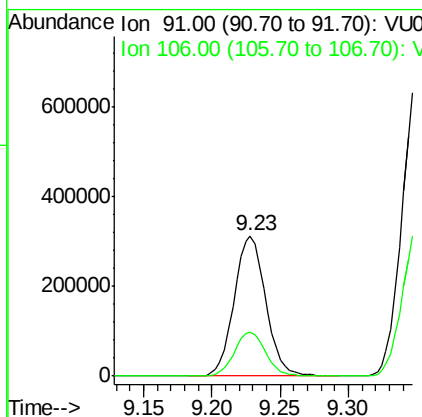
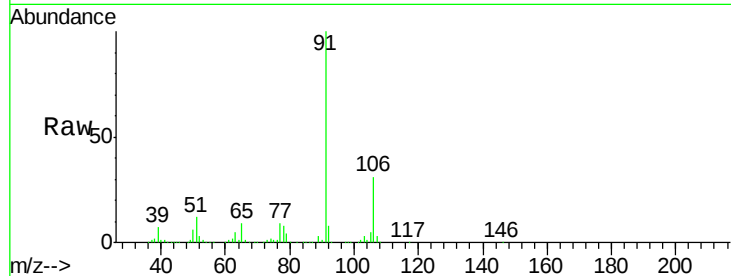
106 31.3 20.6 38.4

Manual Integrations

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#53

m,p-Xylene

Concen: 86.233 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034812.D

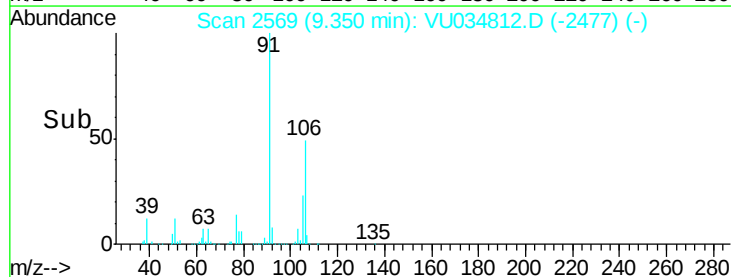
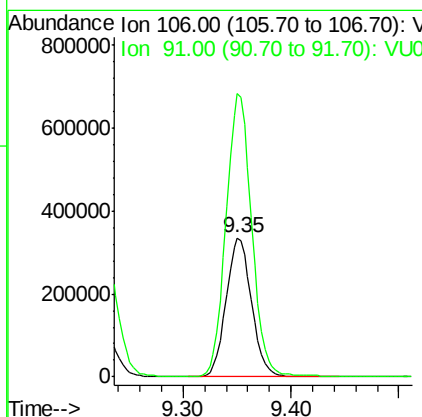
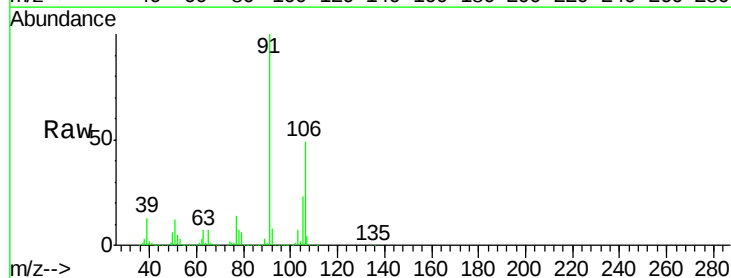
Acq: 25 Sep 2019 19:10

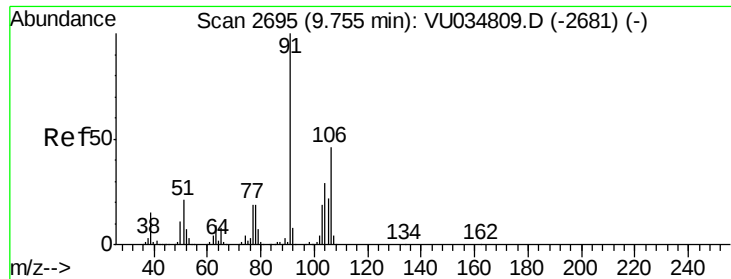
Tgt Ion: 106 Resp: 550464

Ion Ratio Lower Upper

106 100

91 203.2 146.9 272.7





#54

o-xylene

Concen: 71.795 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034812.D

Acq: 25 Sep 2019 19:10

Instrument :

MSVOA_U

ClientSampled :

BDF1

Tot Ion:106 Resp: 453298

Ion Ratio Lower Upper

106 100

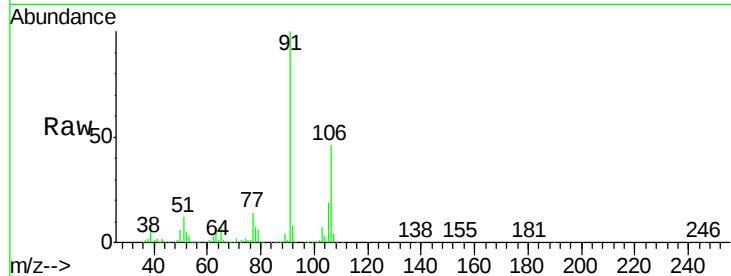
91 216.7 155.6 289.0

Manual Integrations

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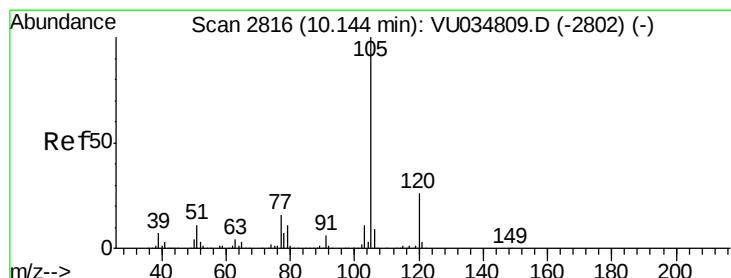
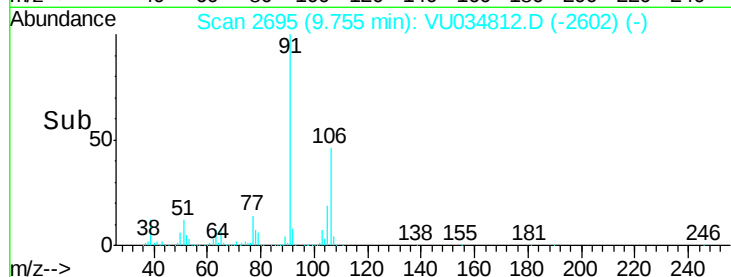
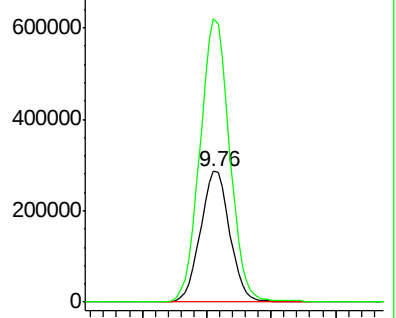
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 2.793 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034812.D

Acq: 25 Sep 2019 19:10

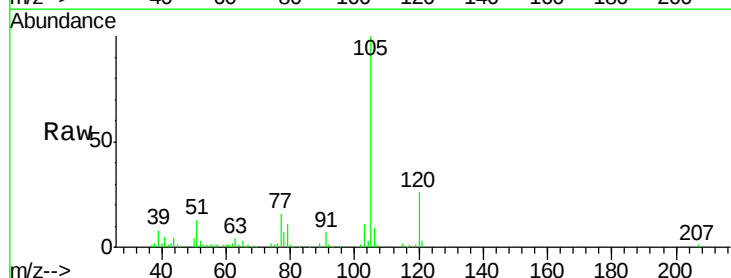
Tgt Ion:105 Resp: 47546

Ion Ratio Lower Upper

105 100

120 23.9 20.4 30.6

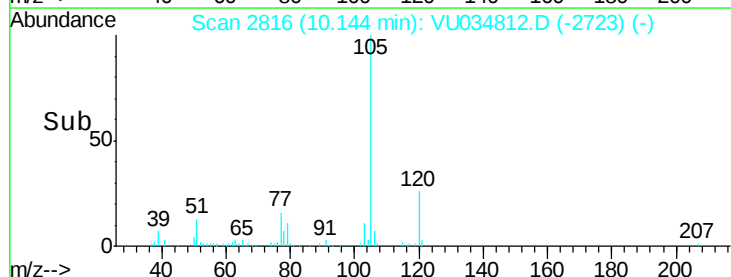
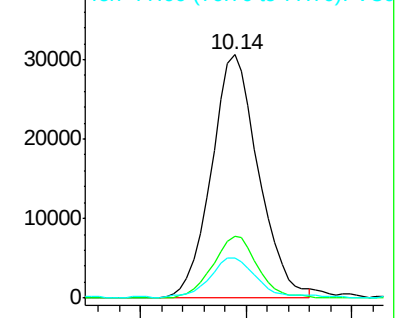
77 17.0 14.2 21.4

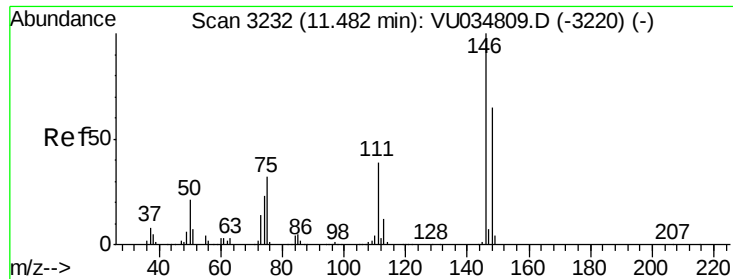


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





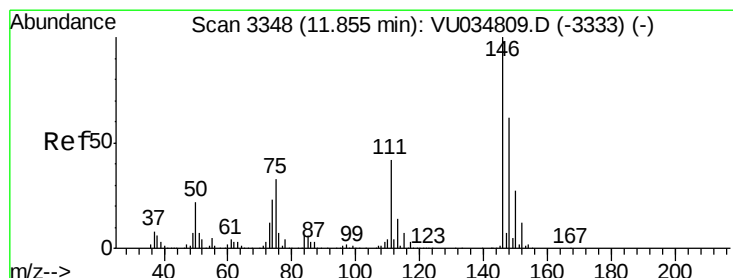
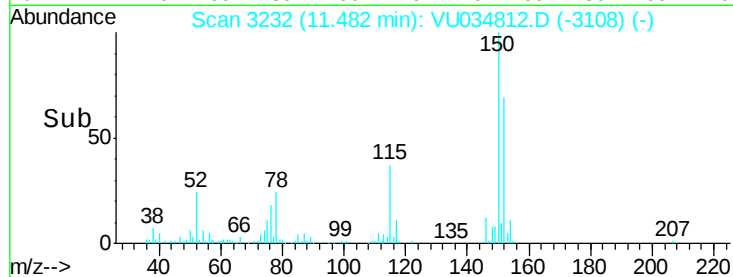
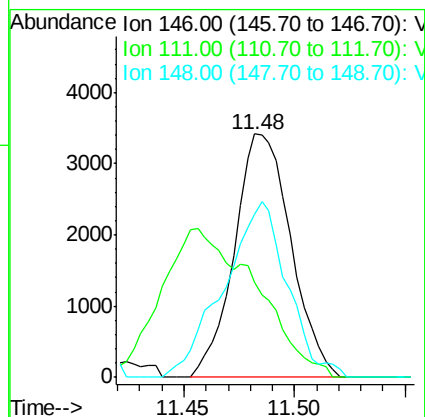
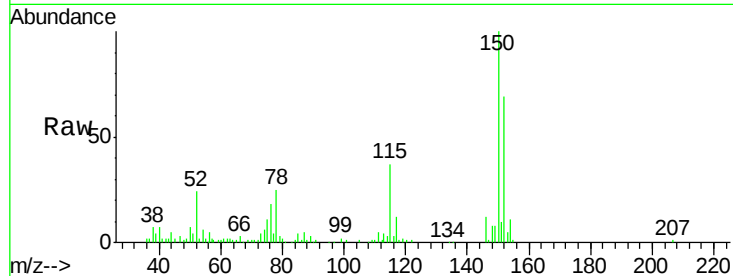
#63
 1,4-Dichlorobenzene
 Concen: 0.846 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034812.D
 Acq: 25 Sep 2019 19:10

Instrument :
 MSVOA_U
 ClientSampled :
 BDF1

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	29.5	54.9
148	67.1	44.4	82.4

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:06:19 PM



#65
 1,2-Dichlorobenzene
 Concen: 5.819 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034812.D
 Acq: 25 Sep 2019 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	35.2	52.8
148	61.0	53.0	79.6

