

Data File : VU033852.D
Acq On : 20 Aug 2019 14:31
Operator : JC/SP
Sample : K4373-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AB0

Quant Time: Aug 21 05:45:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:39:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	199107	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	200360	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	99488	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	76077	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.67	69	66754	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.26	63	118767	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.16	46	156081	46.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.80%
24) Chloroform-d	4.62	84	125726	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.29	65	66432	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.31	84	249853	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.31	67	80375	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.55	98	210527	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.84	79	26386	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.30	63	107077	47.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.56%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	64931	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	97374	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

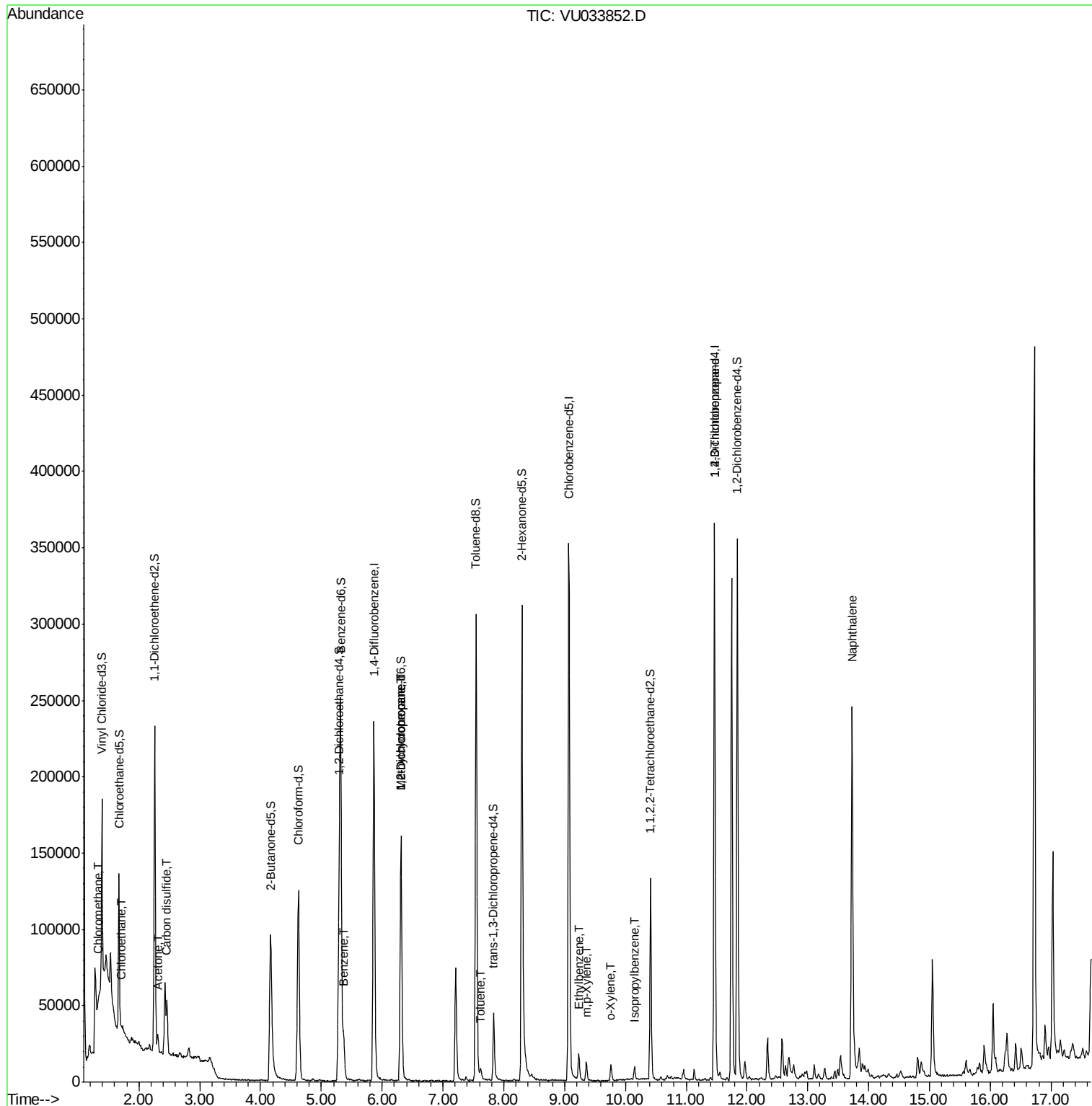
					Qvalue
3) Chloromethane	1.32	50	2382	0.136 ug/L #	76
8) Chloroethane	1.71	64	2011	0.174 ug/L #	50
13) Acetone	2.31	43	11266	4.381 ug/L	93
14) Carbon disulfide	2.46	76	37289	0.788 ug/L	97
33) Benzene	5.36	78	27751	0.631 ug/L	100
35) Methylcyclohexane	6.31	83	17948	1.089 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	8279	0.712 ug/L #	87
42) Toluene	7.62	91	5560	0.123 ug/L	90
52) Ethylbenzene	9.23	91	12064	0.268 ug/L	100
53) m,p-Xylene	9.36	106	3435	0.203 ug/L	73
54) o-Xylene	9.76	106	3065	0.189 ug/L	96
56) Isopropylbenzene	10.15	105	5469	0.130 ug/L	96
59) 1,2,3-Trichloropropane	11.47	75	11355	1.489 ug/L	92
69) Naphthalene	13.73	128	206568	11.648 ug/L	99

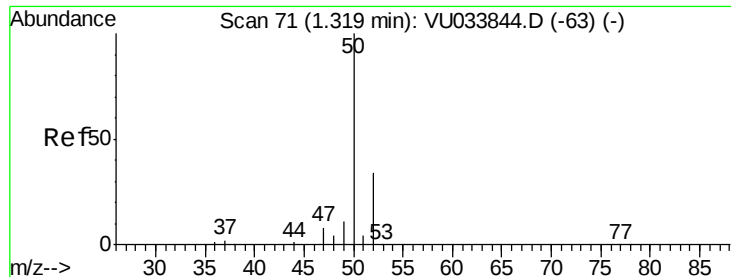
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.136 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU033852.D

Acq: 20 Aug 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

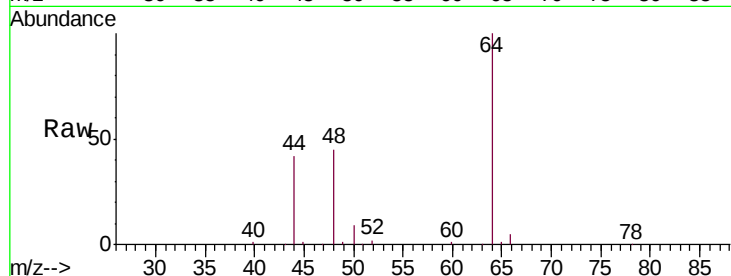
C0AB0

Tgt Ion: 50 Resp: 2382

Ion Ratio Lower Upper

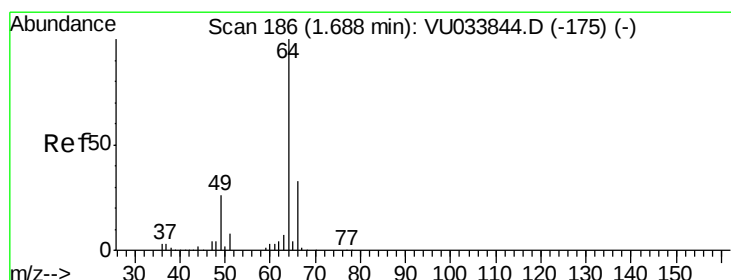
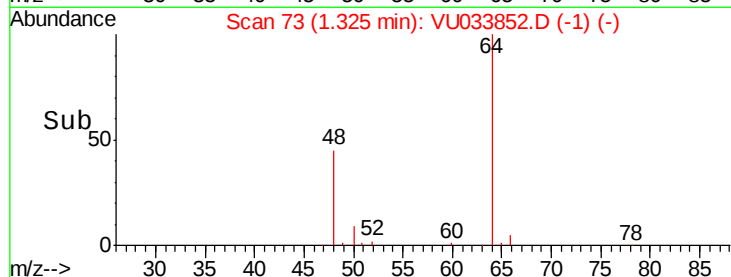
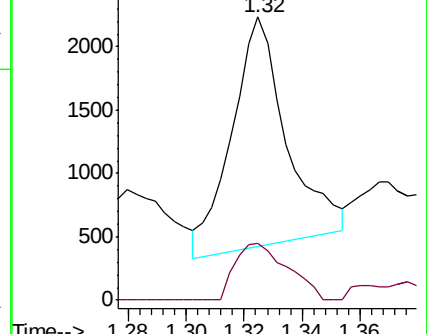
50 100

52 20.0 23.8 44.2#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.174 ug/L

RT: 1.71 min Scan# 193

Delta R.T. 0.02 min

Lab File: VU033852.D

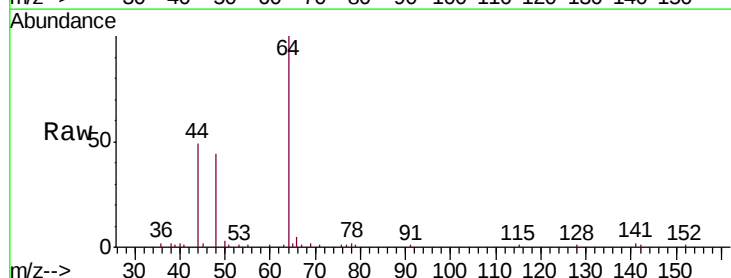
Acq: 20 Aug 2019 14:31

Tgt Ion: 64 Resp: 2011

Ion Ratio Lower Upper

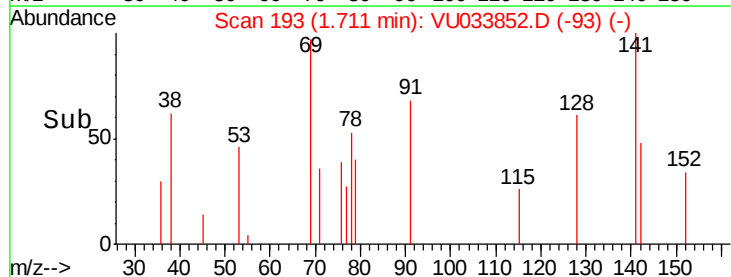
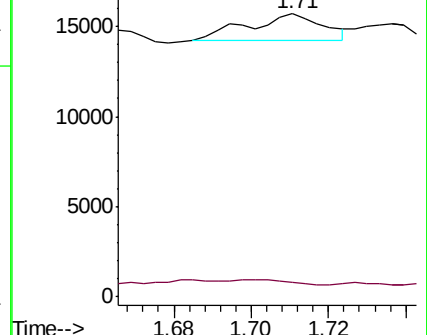
64 100

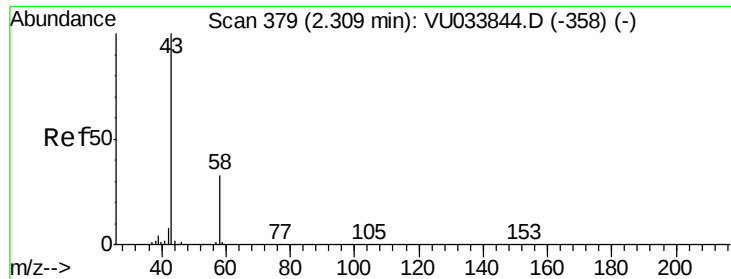
66 5.1 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 4.381 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU033852.D

Acq: 20 Aug 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

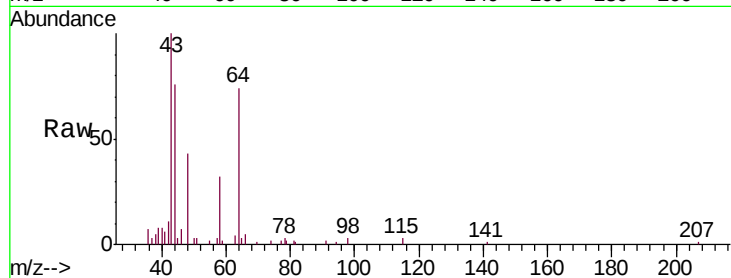
C0AB0

Tgt Ion: 43 Resp: 11266

Ion Ratio Lower Upper

43 100

58 36.5 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VU033844.D (-358) (-)

Ion 58.05 (57.75 to 58.75): VU033844.D (-358) (-)

2.31

8000

6000

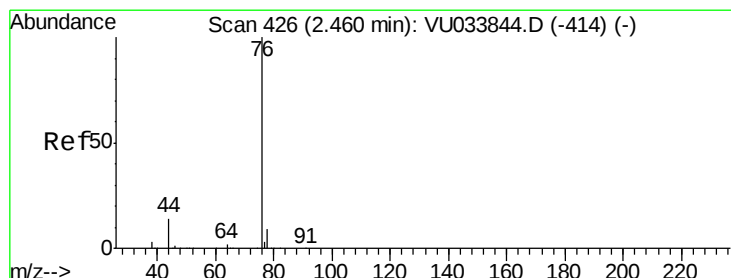
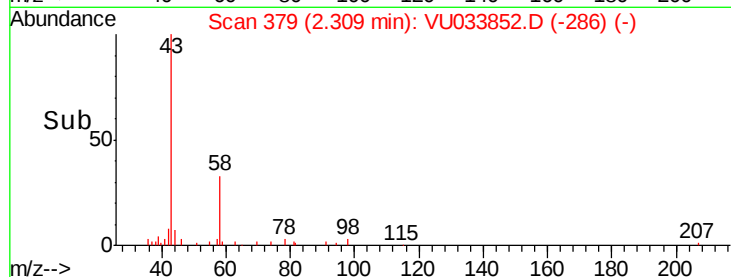
4000

2000

0

Time-->

2.25 2.30 2.35



#14

Carbon disulfide

Concen: 0.788 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033852.D

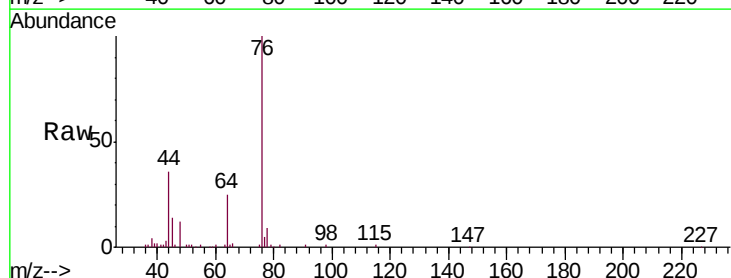
Acq: 20 Aug 2019 14:31

Tgt Ion: 76 Resp: 37289

Ion Ratio Lower Upper

76 100

78 8.5 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU033844.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033844.D (-414) (-)

2.46

25000

20000

15000

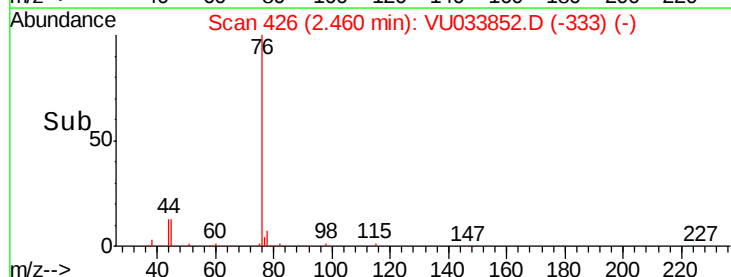
10000

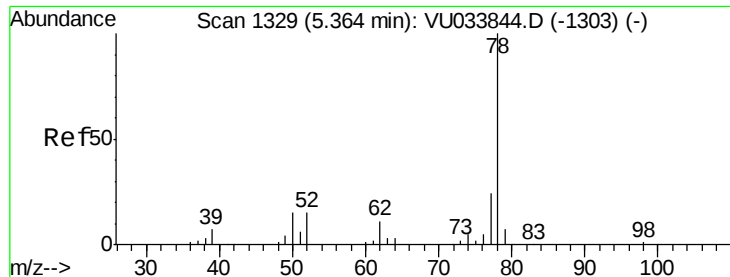
5000

0

Time-->

2.40 2.45 2.50





#33

Benzene

Concen: 0.631 ug/L

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033852.D

Acq: 20 Aug 2019 14:31

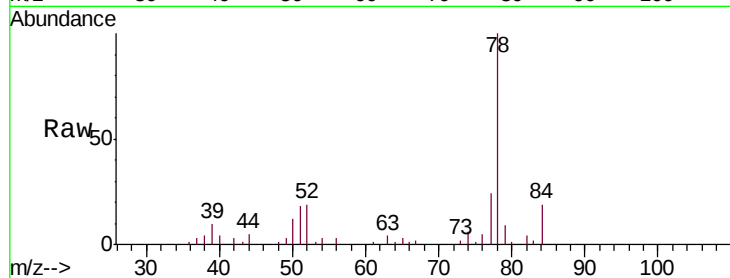
Instrument :

MSVOA_U

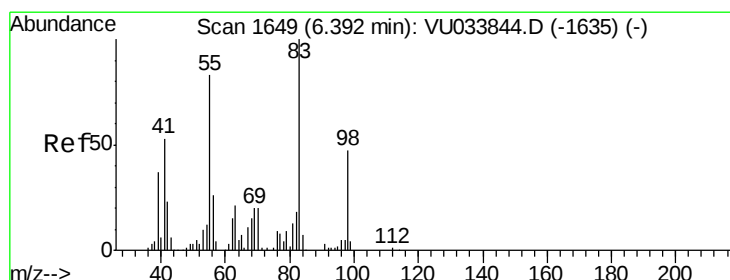
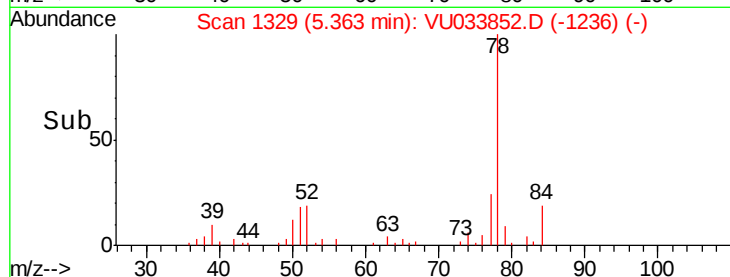
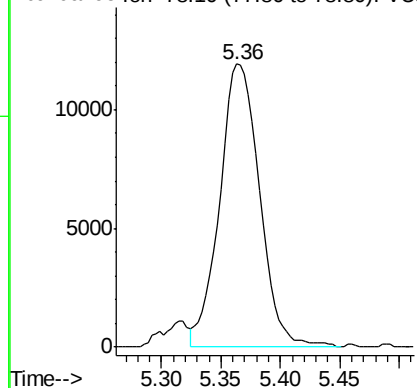
ClientSampleId :

C0AB0

Tgt Ion: 78 Resp: 27751



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 1.089 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU033852.D

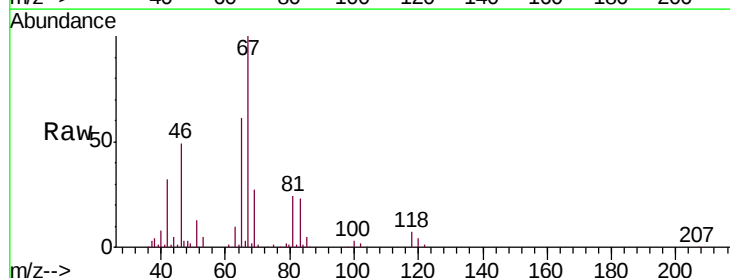
Acq: 20 Aug 2019 14:31

Tgt Ion: 83 Resp: 17948

Ion	Ratio	Lower	Upper
83	100		
55	0.2	64.3	96.5#
98	1.2	37.4	56.0#

55 0.2 64.3 96.5#

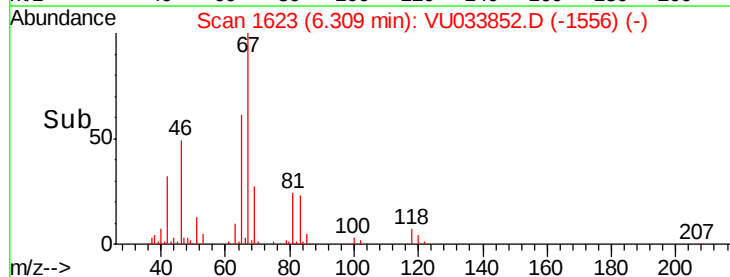
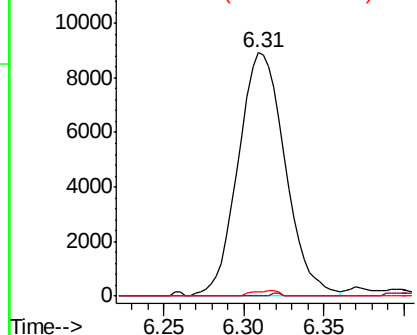
98 1.2 37.4 56.0#

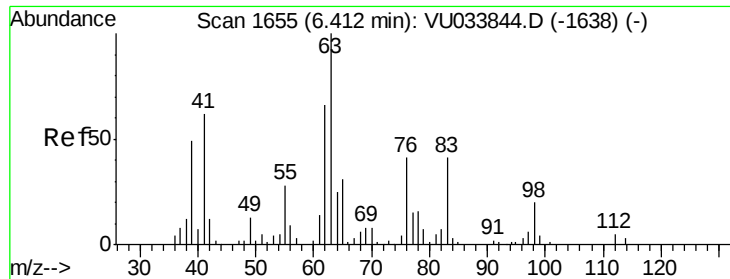


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

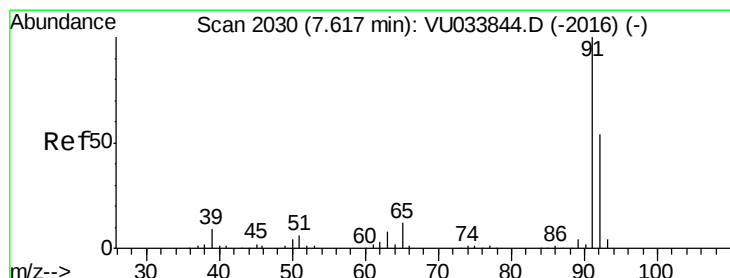
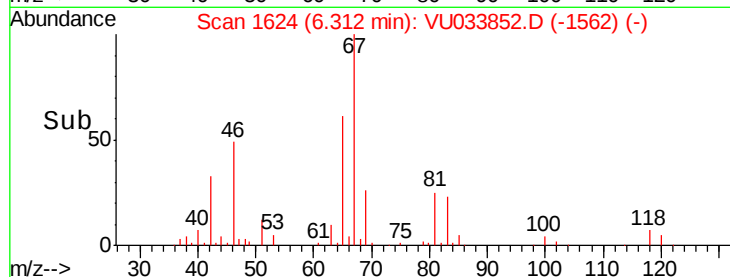
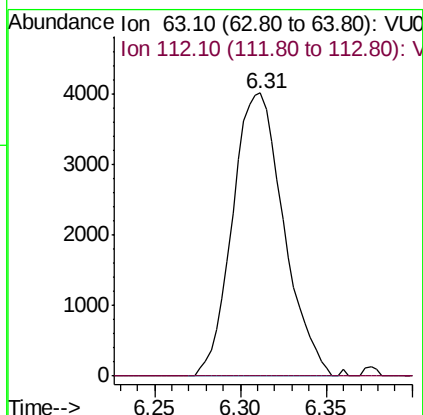
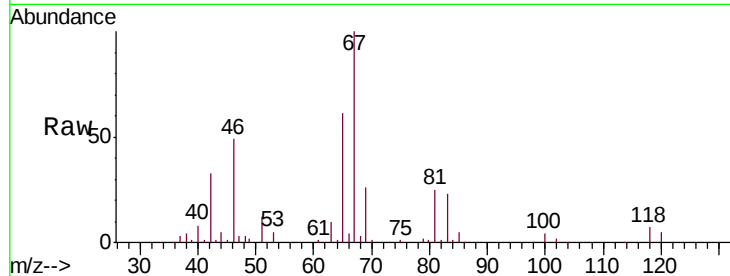




#37
 1,2-Dichloropropane
 Concen: 0.712 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU033852.D
 Acq: 20 Aug 2019 14:31

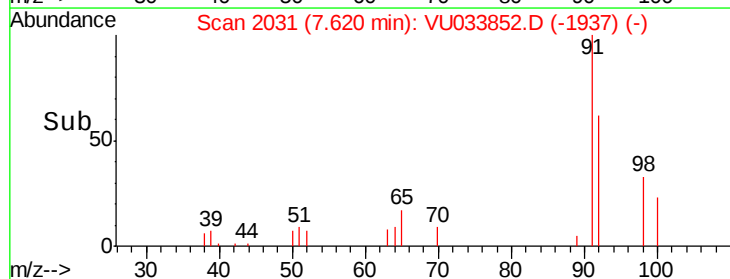
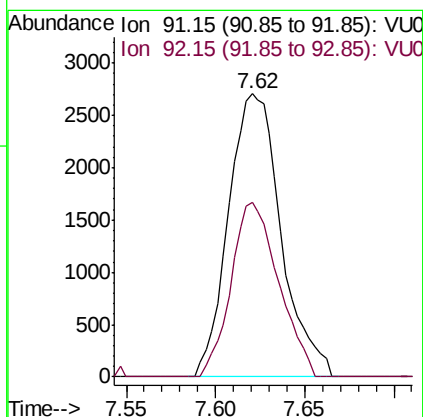
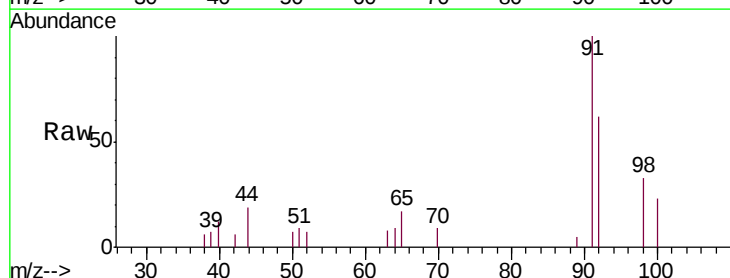
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB0

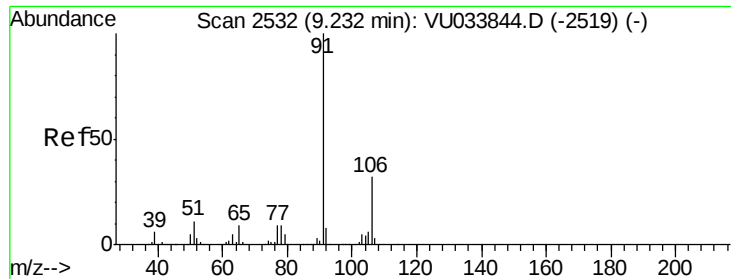
Tgt Ion: 63 Resp: 8279
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#42
 Toluene
 Concen: 0.123 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU033852.D
 Acq: 20 Aug 2019 14:31

Tgt Ion: 91 Resp: 5560
 Ion Ratio Lower Upper
 91 100
 92 61.8 38.1 70.7





#52

Ethylbenzene

Concen: 0.268 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033852.D

Acq: 20 Aug 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

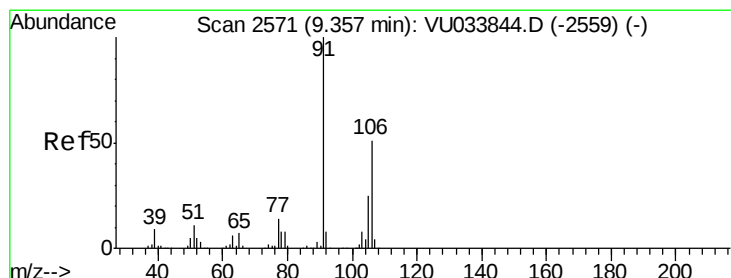
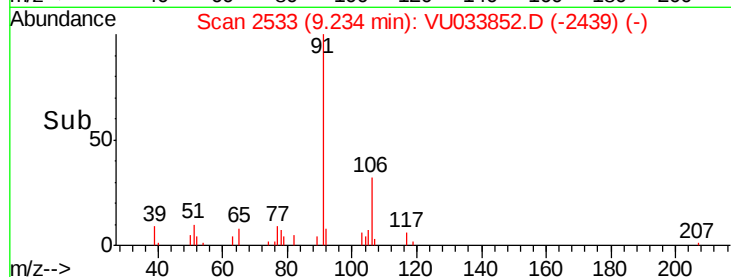
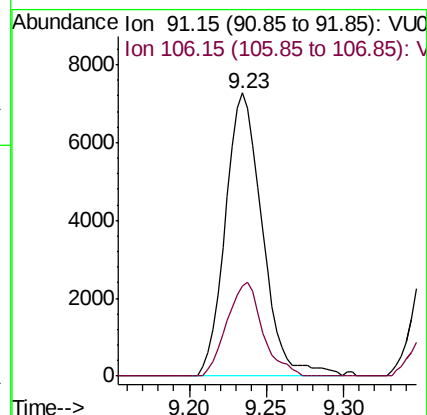
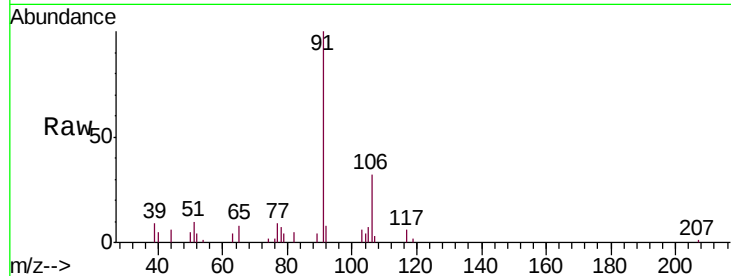
C0AB0

Tgt Ion: 91 Resp: 12064

Ion Ratio Lower Upper

91 100

106 32.1 22.3 41.3



#53

m,p-Xylene

Concen: 0.203 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033852.D

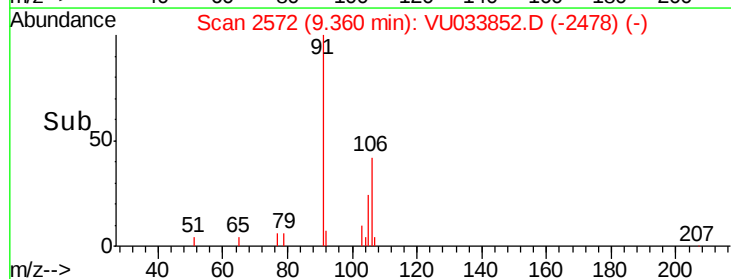
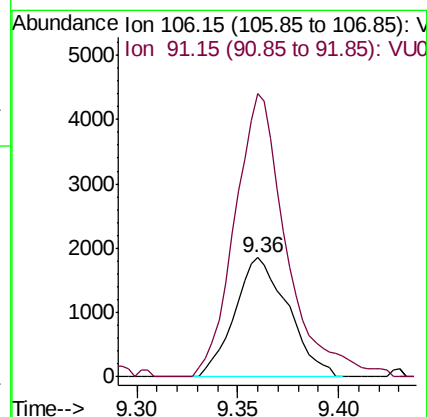
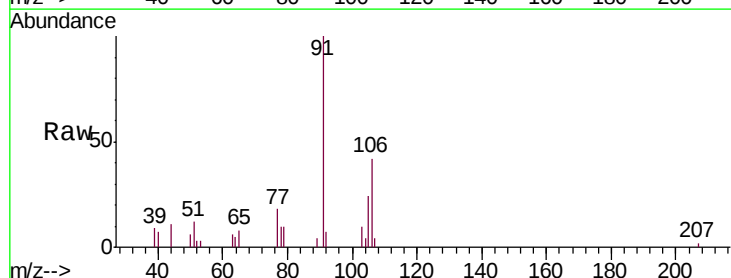
Acq: 20 Aug 2019 14:31

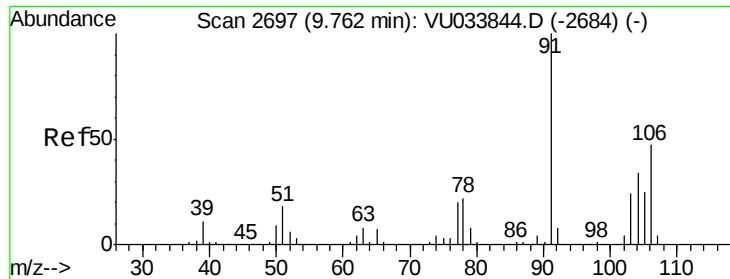
Tgt Ion: 106 Resp: 3435

Ion Ratio Lower Upper

106 100

91 237.2 137.7 255.7

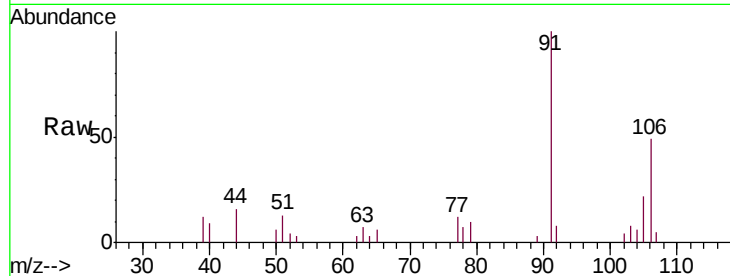




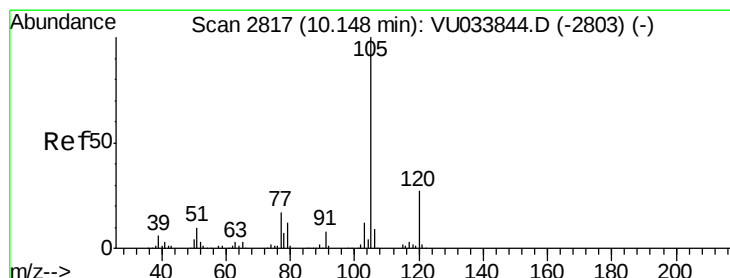
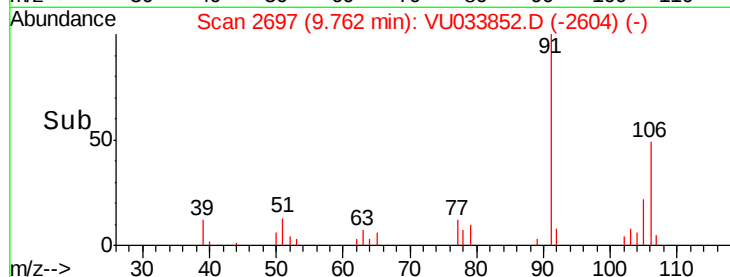
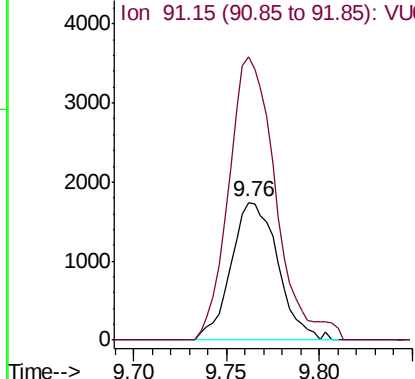
#54
o-Xylene
Concen: 0.189 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033852.D
Acq: 20 Aug 2019 14:31

Instrument :
MSVOA_U
ClientSampleId :
C0AB0

Tgt Ion:106 Resp: 3065
Ion Ratio Lower Upper
106 100
91 205.8 148.6 276.0

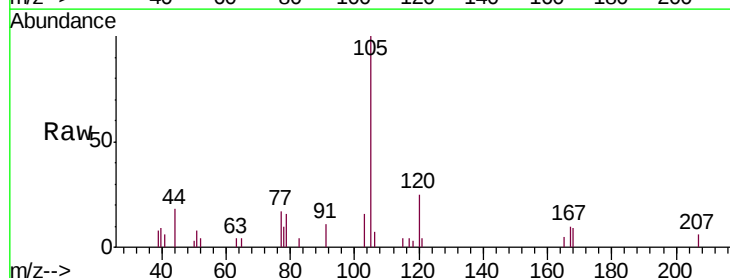


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

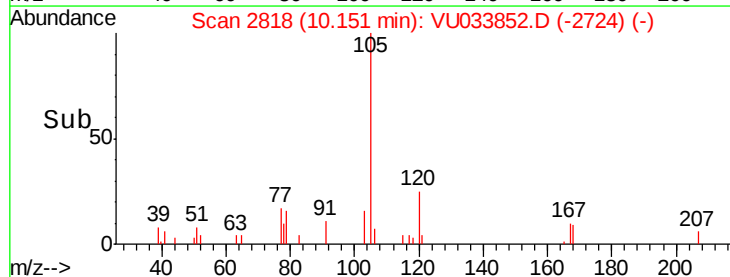
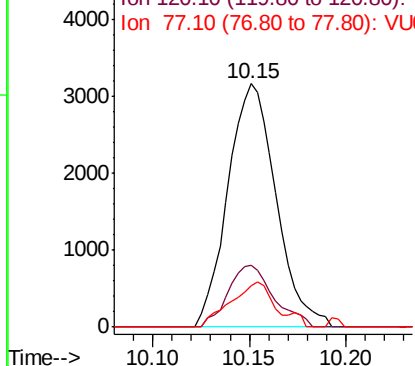


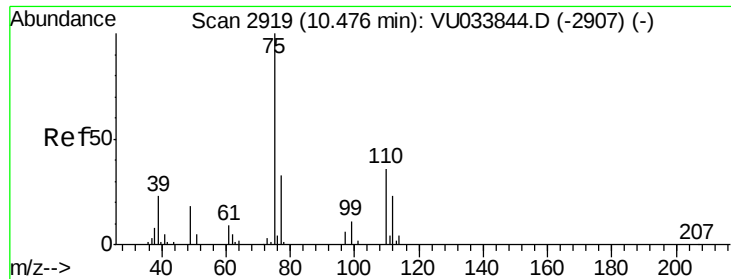
#56
Isopropylbenzene
Concen: 0.130 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033852.D
Acq: 20 Aug 2019 14:31

Tgt Ion:105 Resp: 5469
Ion Ratio Lower Upper
105 100
120 24.0 21.2 31.8
77 17.4 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0

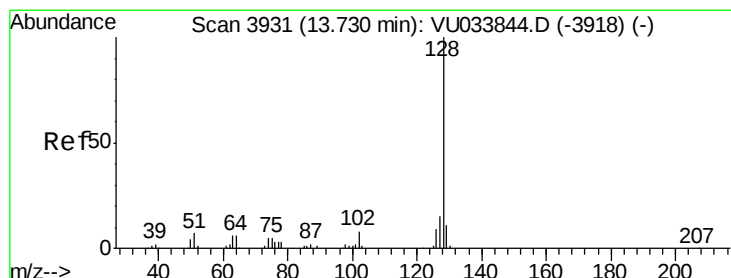
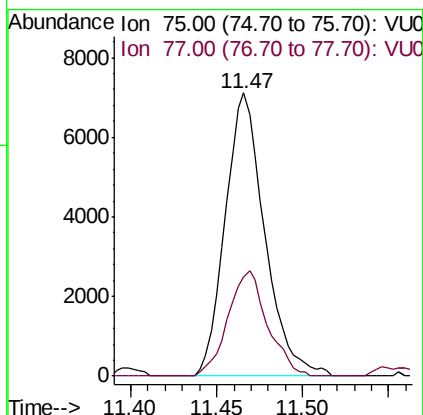
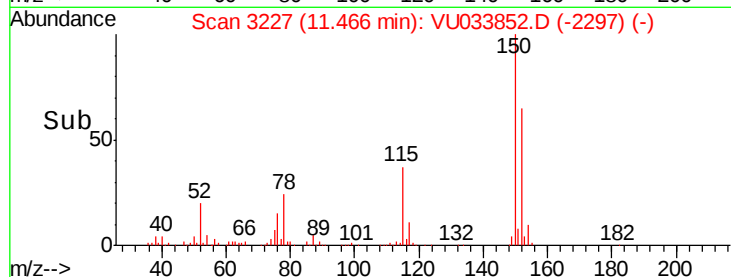
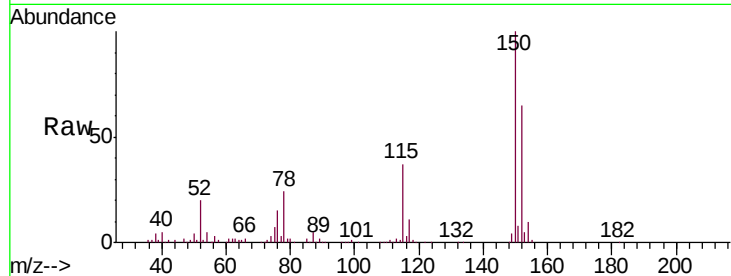




#59
 1,2,3-Trichloropropane
 Concen: 1.489 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033852.D
 Acq: 20 Aug 2019 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB0

Tgt Ion: 75 Resp: 11355
 Ion Ratio Lower Upper
 75 100
 77 37.2 26.3 39.5



#69
 Naphthalene
 Concen: 11.648 ug/L
 RT: 13.73 min Scan# 3931
 Delta R.T. -0.00 min
 Lab File: VU033852.D
 Acq: 20 Aug 2019 14:31

Tgt Ion: 128 Resp: 206568
 Ion Ratio Lower Upper
 128 100
 129 10.7 9.0 13.6
 127 13.4 10.9 16.3

