

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111819\
 Data File : VU035748.D
 Acq On : 18 Nov 2019 17:10
 Operator : JC/SP
 Sample : K5911-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:37:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 19 00:32:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	204860	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	244597	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	103714	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	87244	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.93	69	84024	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.60	63	113005	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.70	46	234199	50.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.60%
24) Chloroform-d	5.11	84	155612	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.75	65	91534	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.77	84	325778	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.74	67	113815	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.93	98	266078	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	8.22	79	38916	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.70	63	173708	44.58	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.16%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	98112	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	94647	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

					Ovalue
3) Chloromethane	1.54	50	10567	0.416	ug/L 97
6) Bromomethane	1.88	94	4871	0.328	ug/L 99
12) 1,1-Dichloroethene	2.60	96	1259	0.070	ug/L # 1
13) Acetone	2.67	43	10519	3.134	ug/L 92
14) Carbon disulfide	2.82	76	29095	0.498	ug/L # 91
15) Methyl Acetate	3.00	43	2115	0.271	ug/L # 49
25) Chloroform	5.14	83	14784	0.395	ug/L 91
33) Benzene	5.82	78	11381	0.132	ug/L 100
37) 1,2-Dichloropropane	6.74	63	11203	0.494	ug/L # 87
42) Toluene	8.01	91	35067	0.387	ug/L 99
48) 2-Hexanone	8.70	43	16538	1.784	ug/L # 72
52) Ethylbenzene	9.60	91	12554	0.132	ug/L 100
53) m,p-Xylene	9.73	106	5188	0.144	ug/L 100
54) o-Xylene	10.13	106	2318	0.066	ug/L 71
59) 1,2,3-Trichloropropane	11.84	75	11247	0.750	ug/L 93
69) Naphthalene	14.11	128	2322	0.139	ug/L # 91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 19 00:32:50 2019
Response via : Initial Calibration

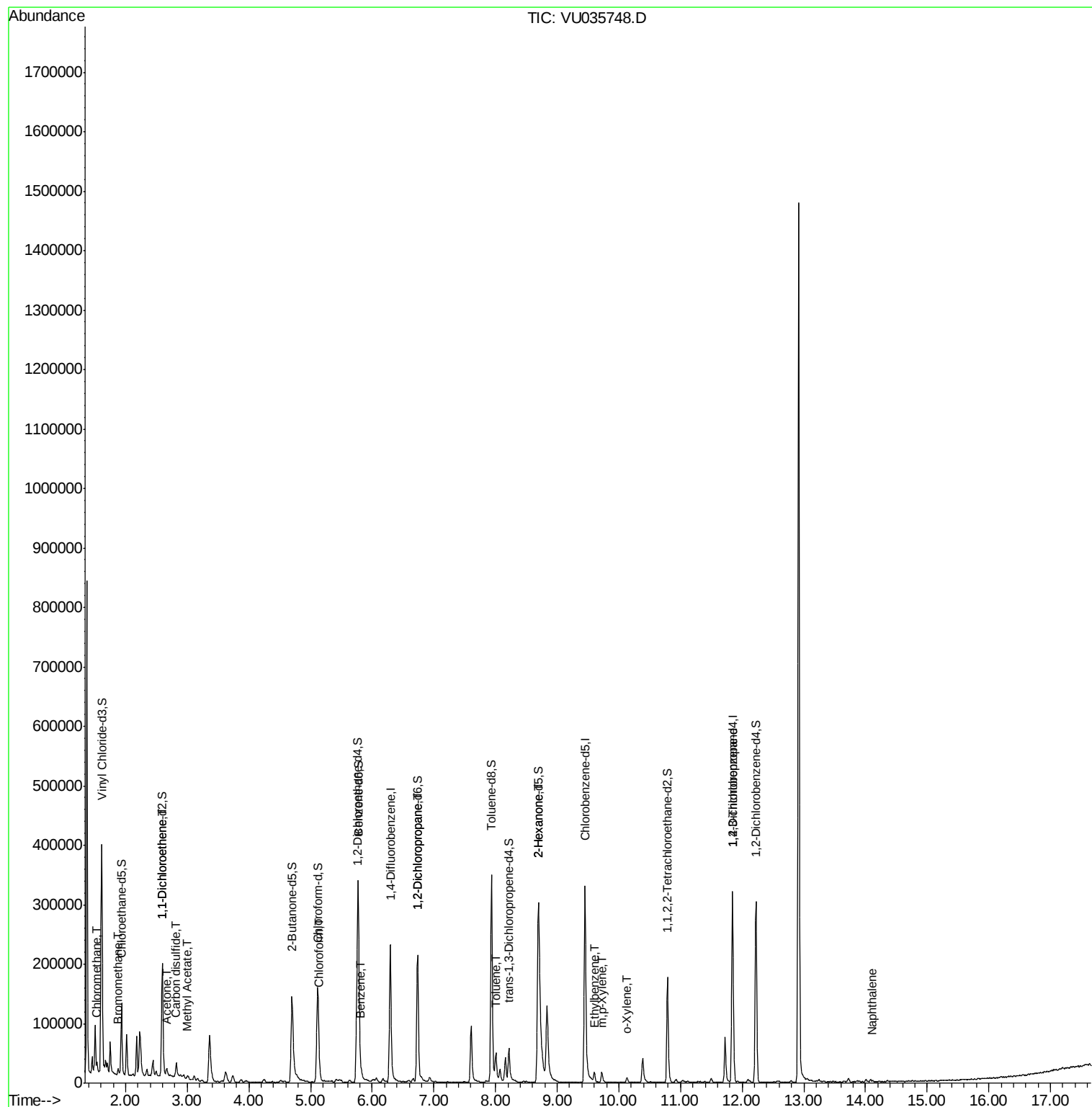
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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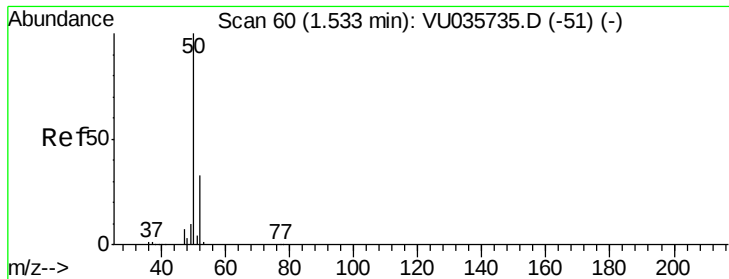
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.416 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035748.D

Acq: 18 Nov 2019 17:10

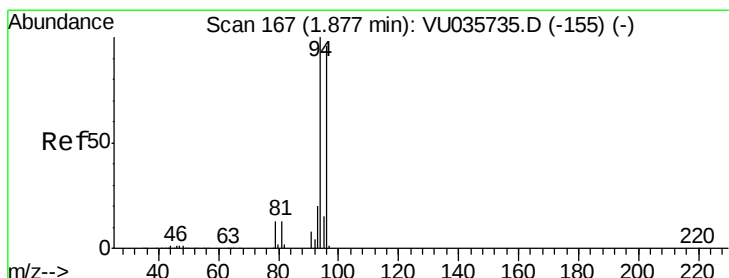
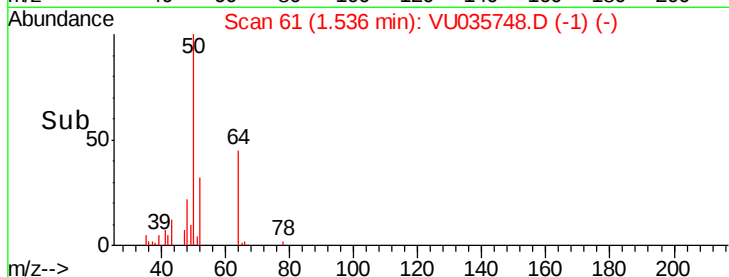
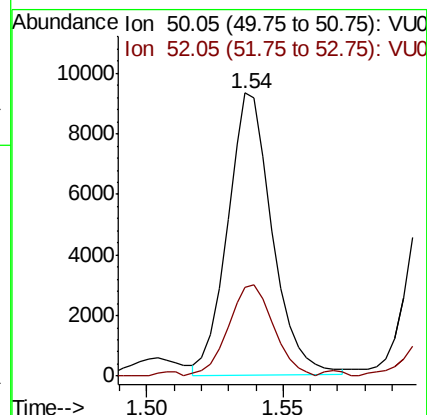
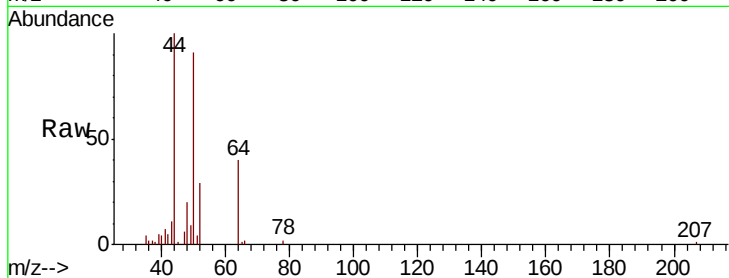
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 50 Resp: 10567

Ion Ratio Lower Upper

50 100

52 31.6 23.4 43.6



#6

Bromomethane

Concen: 0.328 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU035748.D

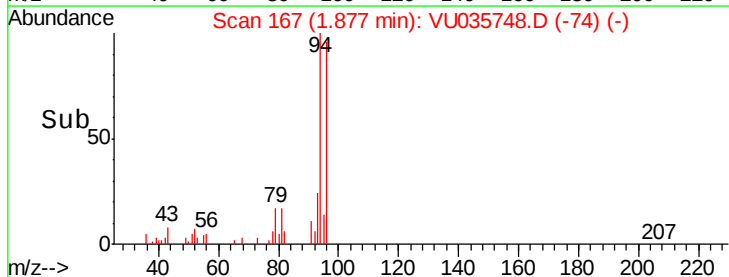
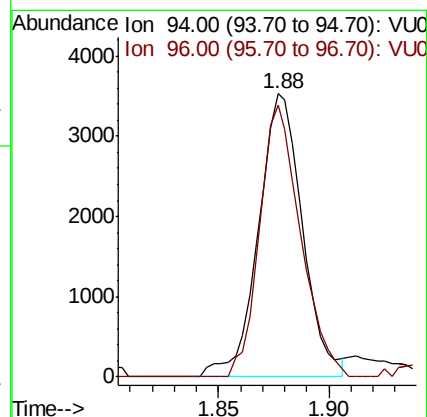
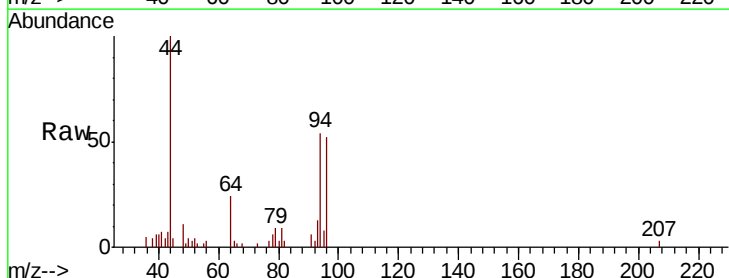
Acq: 18 Nov 2019 17:10

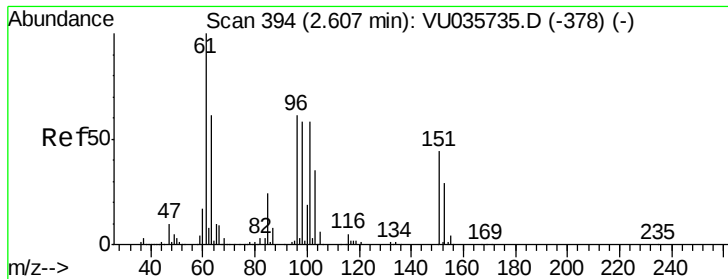
Tgt Ion: 94 Resp: 4871

Ion Ratio Lower Upper

94 100

96 96.1 66.8 124.2





#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035748.D

Acq: 18 Nov 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

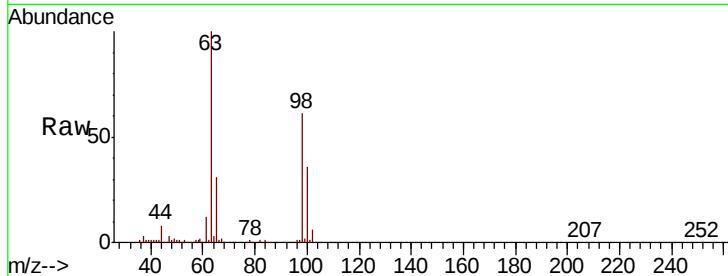
Tot Ion: 96 Resp: 1259

Ion Ratio Lower Upper

96 100

61 1123.6 123.1 228.5#

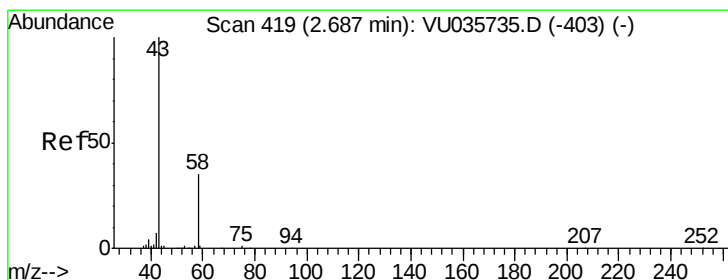
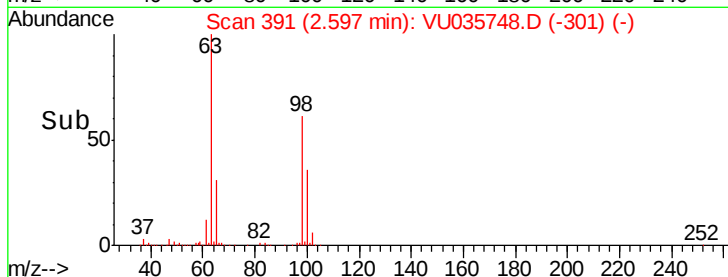
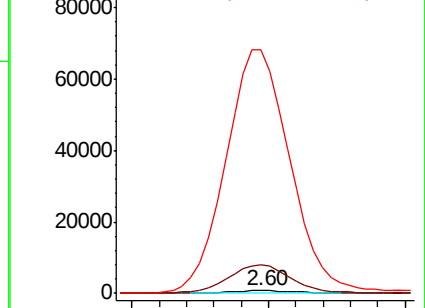
63 9403.6 87.8 163.0#



Abundance Ion 96.00 (95.70 to 96.70): VU035735.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU035735.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU035735.D (-378) (-)



#13

Acetone

Concen: 3.134 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035748.D

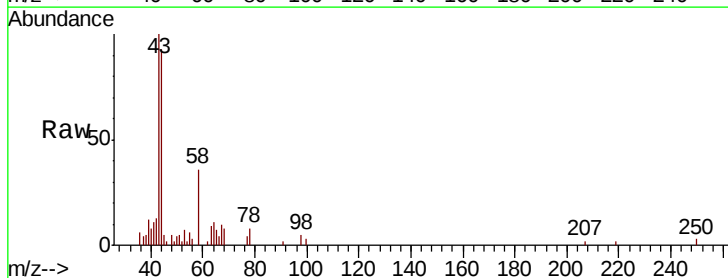
Acq: 18 Nov 2019 17:10

Tgt Ion: 43 Resp: 10519

Ion Ratio Lower Upper

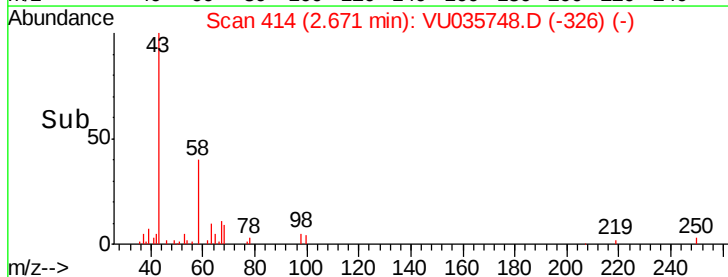
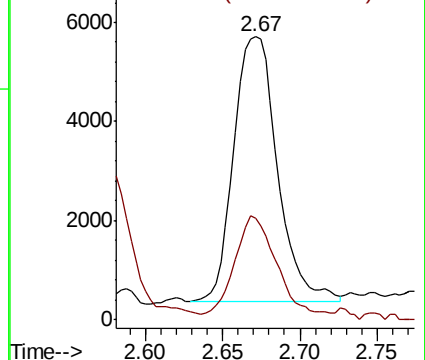
43 100

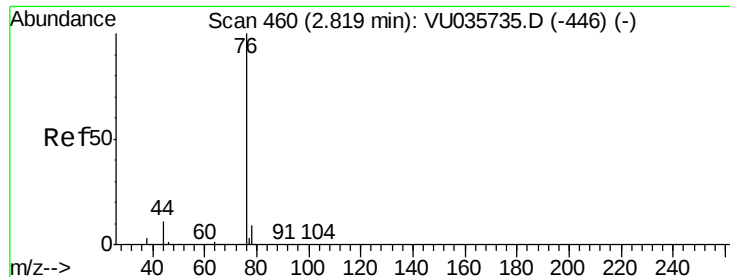
58 39.5 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035735.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035735.D (-403) (-)





#14

Carbon disulfide

Concen: 0.498 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035748.D

Acq: 18 Nov 2019 17:10

Instrument :

MSVOA_U

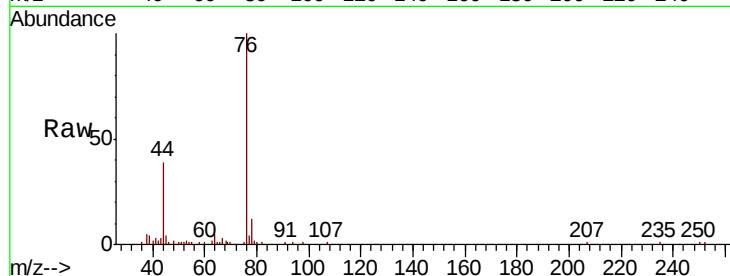
ClientSampleId :

Tot Ion: 76 Resp: 29095

Ion Ratio Lower Upper

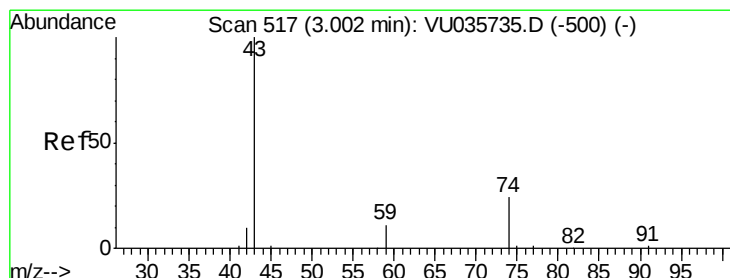
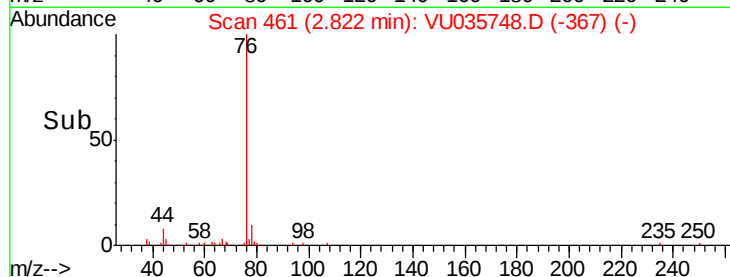
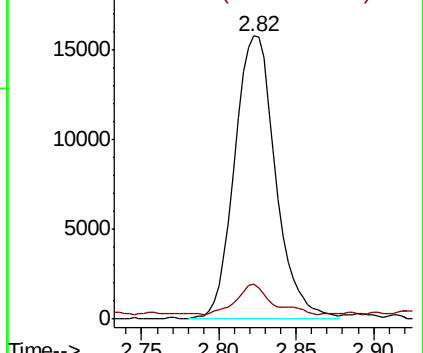
76 100

78 12.4 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU035735.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035735.D (-446) (-)



#15

Methyl Acetate

Concen: 0.271 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.01 min

Lab File: VU035748.D

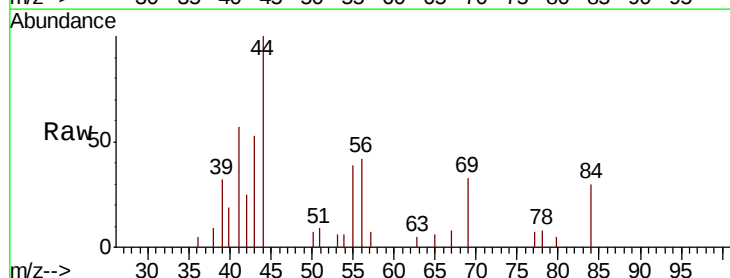
Acq: 18 Nov 2019 17:10

Tgt Ion: 43 Resp: 2115

Ion Ratio Lower Upper

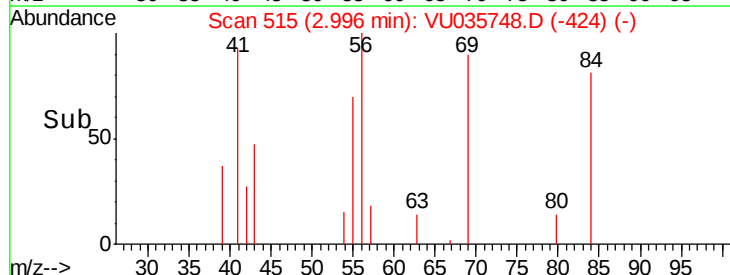
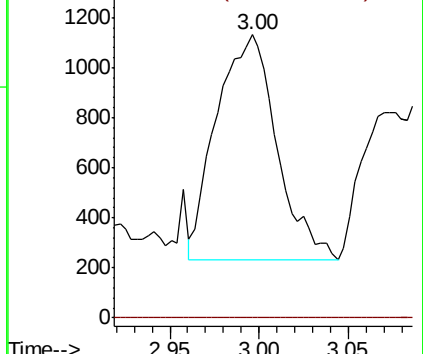
43 100

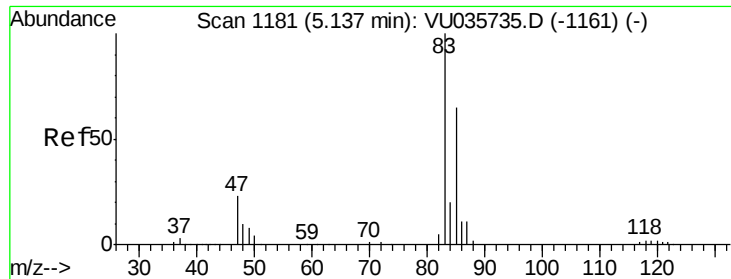
74 0.0 21.0 31.6#



Abundance Ion 43.05 (42.75 to 43.75): VU035735.D (-500) (-)

Ion 74.05 (73.75 to 74.75): VU035735.D (-500) (-)

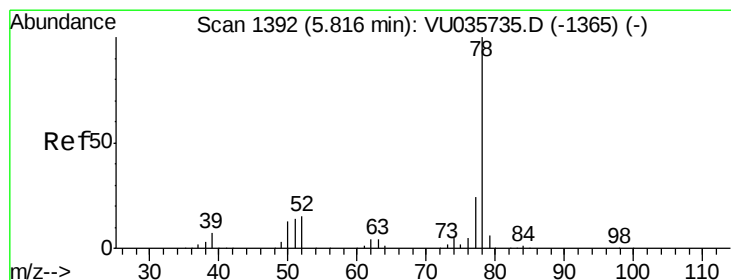
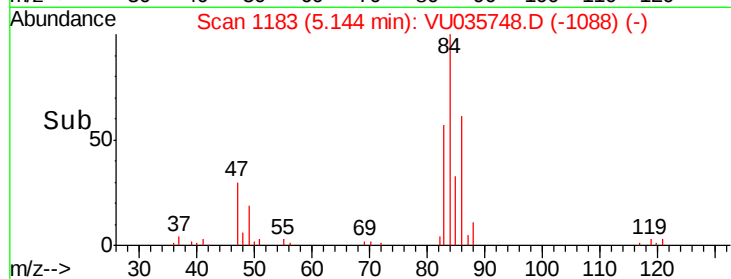
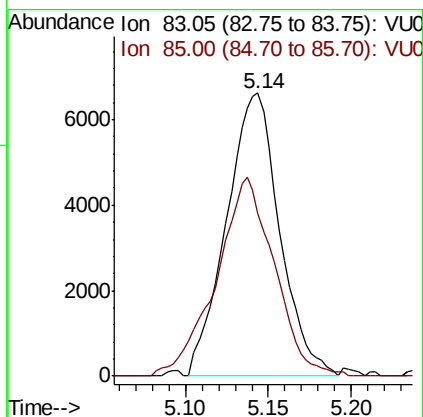
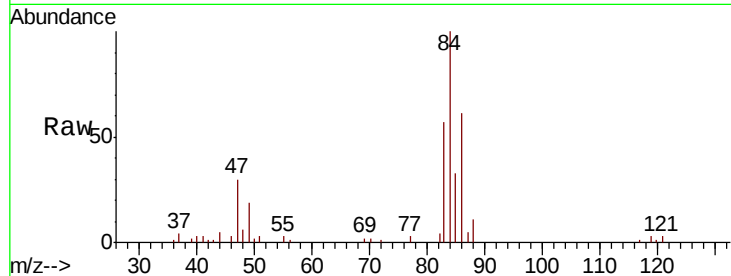




#25
Chloroform
Concen: 0.395 ug/L
RT: 5.14 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VU035748.D
Acq: 18 Nov 2019 17:10

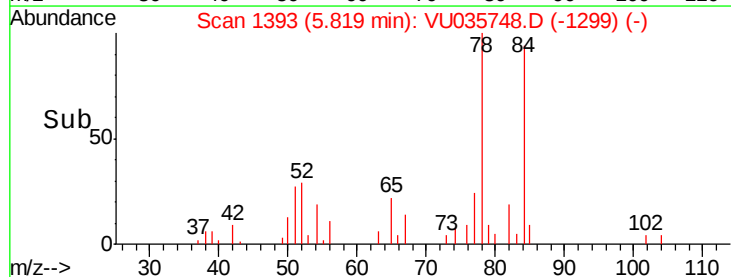
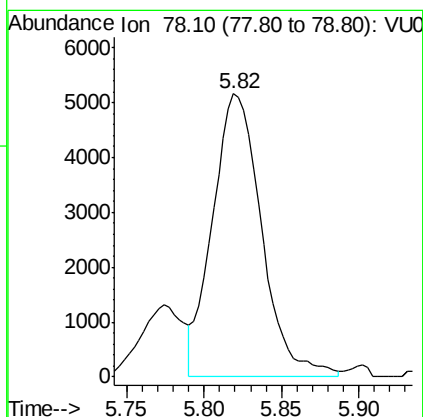
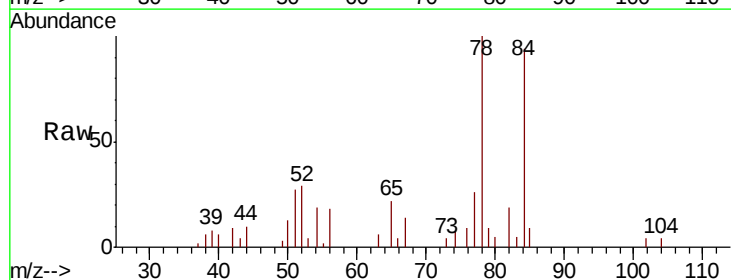
Instrument :
MSVOA_U
ClientSampleId :

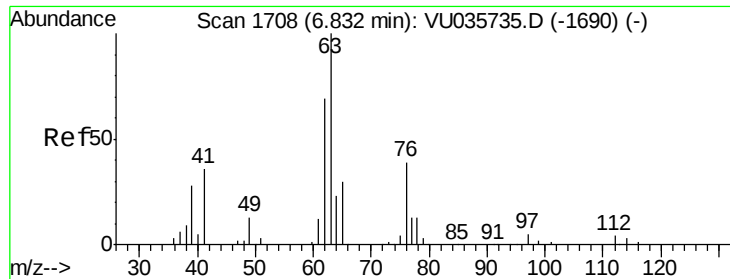
Tot Ion: 83 Resp: 14784
Ion Ratio Lower Upper
83 100
85 57.5 45.4 84.2



#33
Benzene
Concen: 0.132 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035748.D
Acq: 18 Nov 2019 17:10

Tgt Ion: 78 Resp: 11381

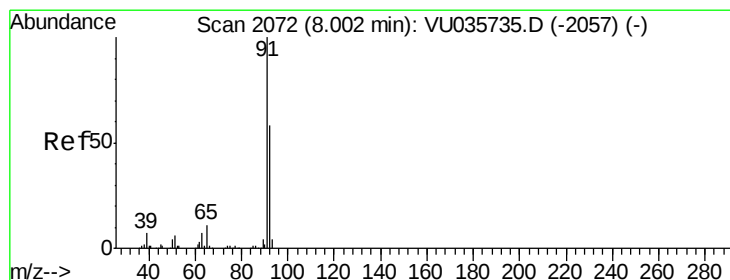
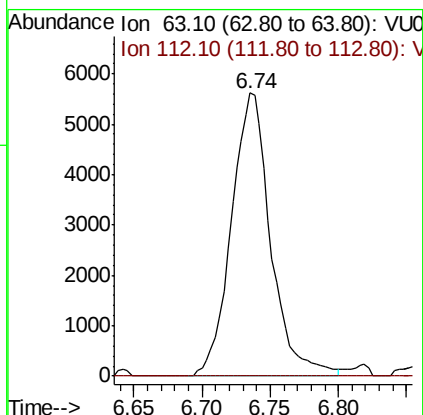
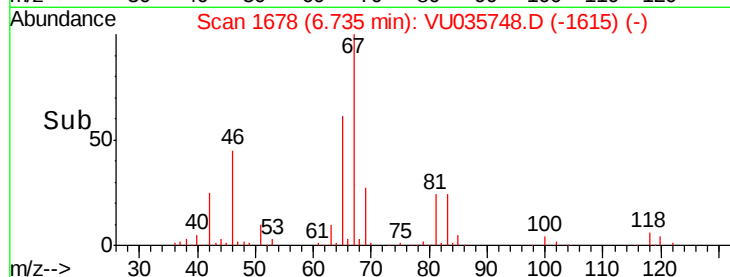
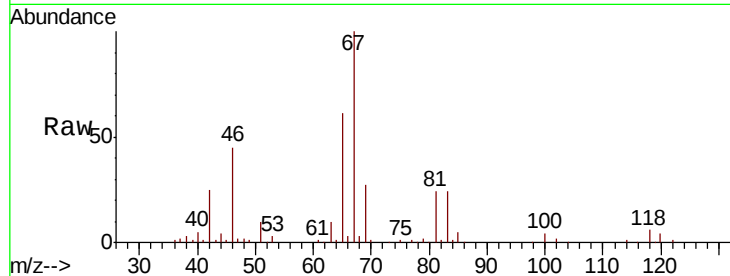




#37
 1,2-Dichloropropane
 Concen: 0.494 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035748.D
 Acq: 18 Nov 2019 17:10

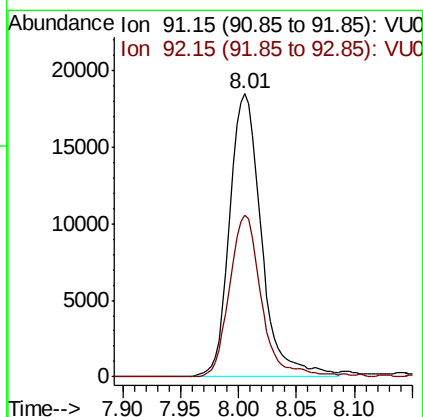
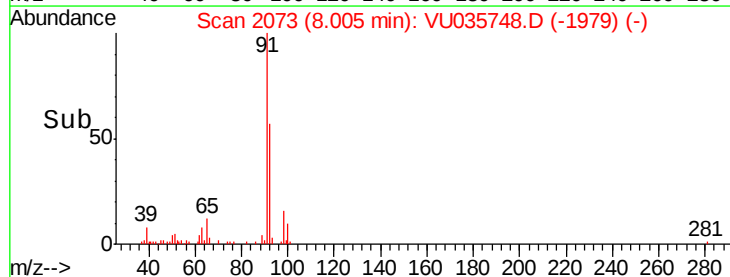
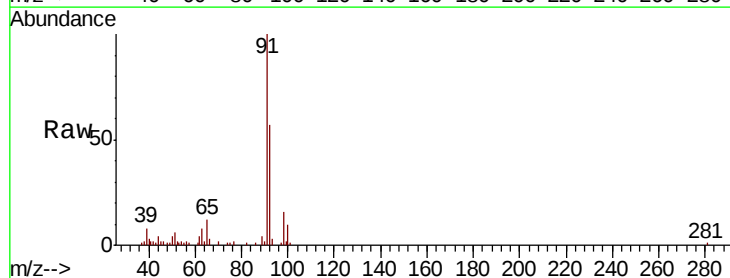
Instrument :
 MSVOA_U
 ClientSampleId :

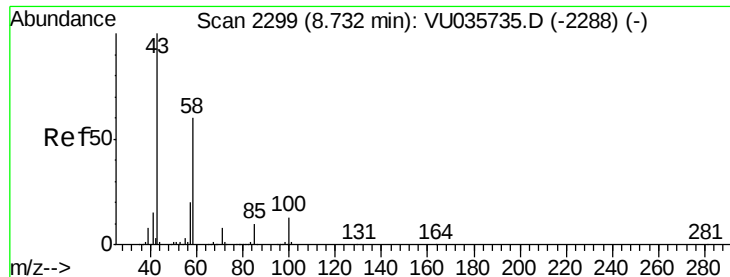
Tot Ion: 63 Resp: 11203
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#42
 Toluene
 Concen: 0.387 ug/L
 RT: 8.01 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VU035748.D
 Acq: 18 Nov 2019 17:10

Tgt Ion: 91 Resp: 35067
 Ion Ratio Lower Upper
 91 100
 92 57.3 40.5 75.3

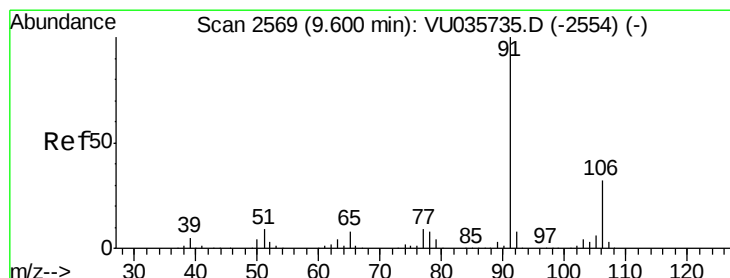
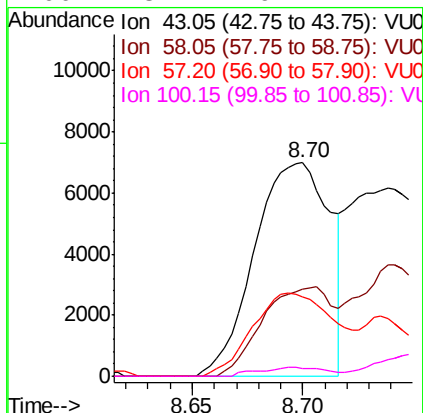
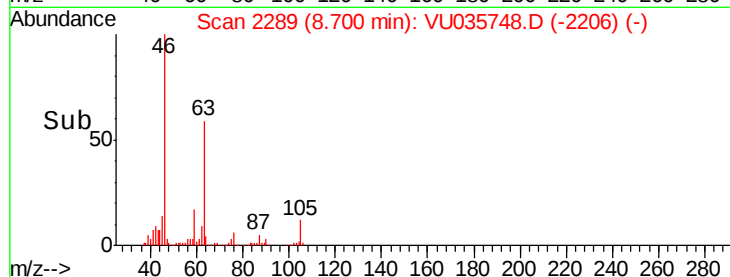
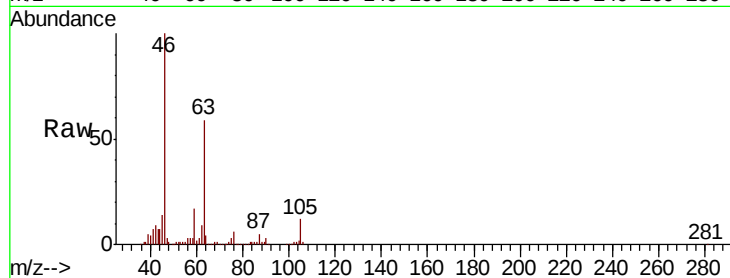




#48
2-Hexanone
Concen: 1.784 ug/L
RT: 8.70 min Scan# 2289
Delta R.T. -0.03 min
Lab File: VU035748.D
Acq: 18 Nov 2019 17:10

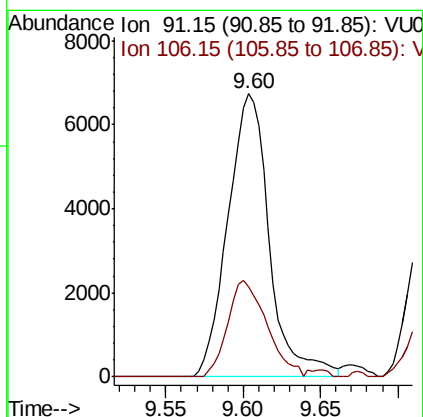
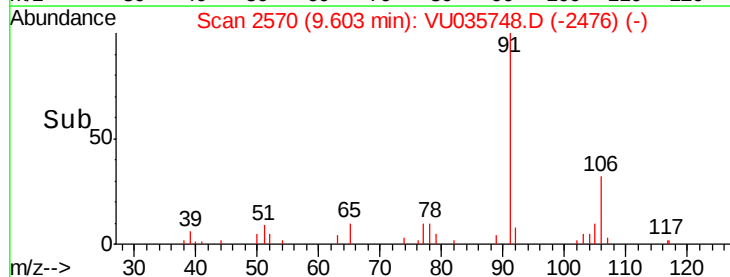
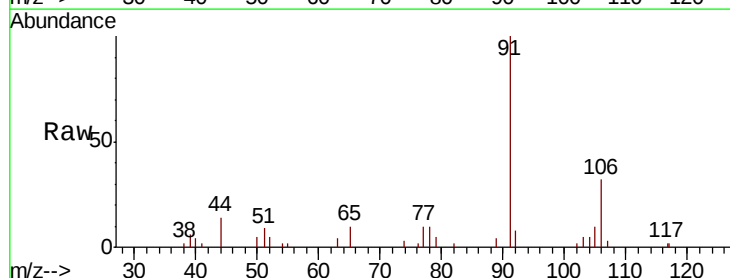
Instrument :
MSVOA_U
ClientSampled :

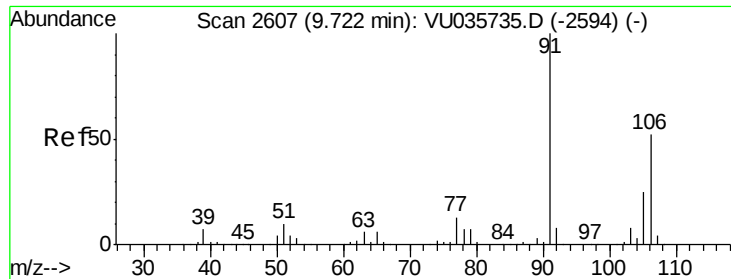
Tot Ion:	43	Resp:	16538
Ion	Ratio	Lower	Upper
43	100		
58	39.2	44.1	66.1#
57	42.1	15.1	22.7#
100	3.7	9.4	14.2#



#52
Ethylbenzene
Concen: 0.132 ug/L
RT: 9.60 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU035748.D
Acq: 18 Nov 2019 17:10

Tgt Ion:	91	Resp:	12554
Ion	Ratio	Lower	Upper
91	100		
106	31.8	22.4	41.6

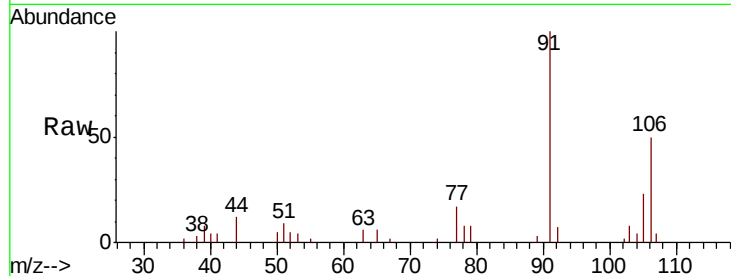




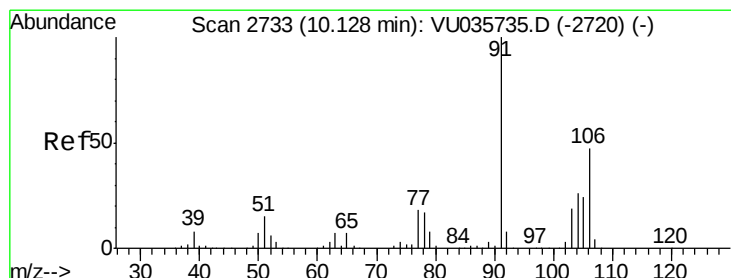
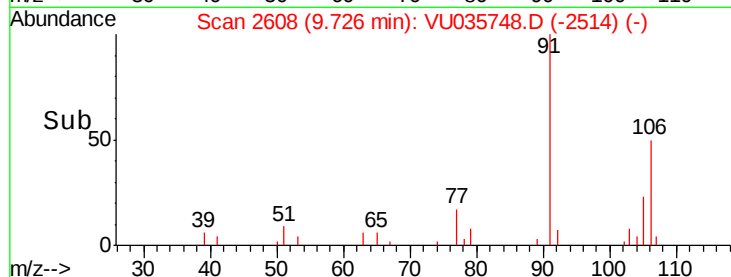
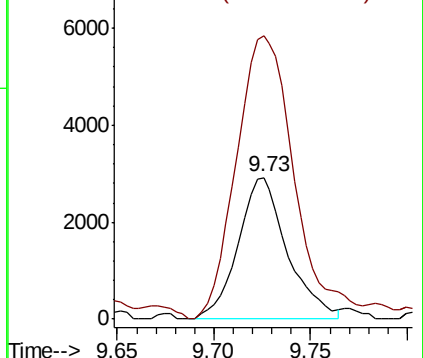
#53
m,p-Xylene
Concen: 0.144 ug/L
RT: 9.73 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VU035748.D
Acq: 18 Nov 2019 17:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 5188
Ion Ratio Lower Upper
106 100
91 199.6 139.4 259.0

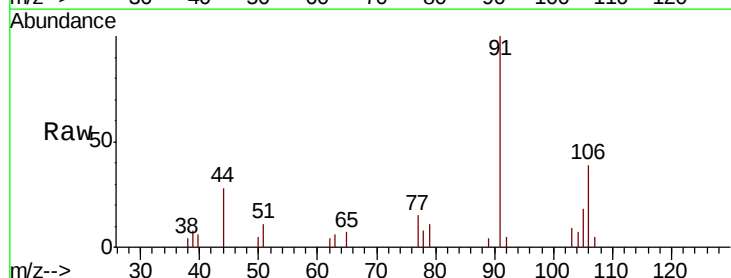


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

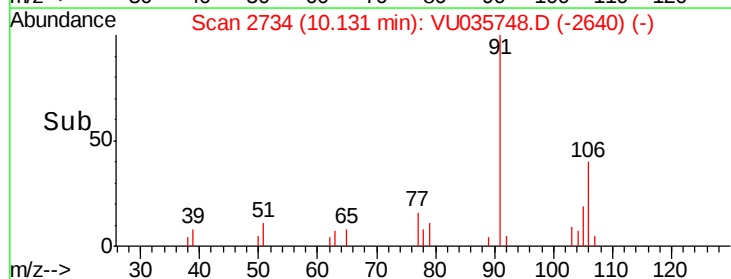
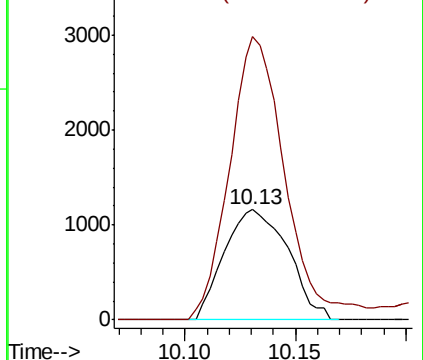


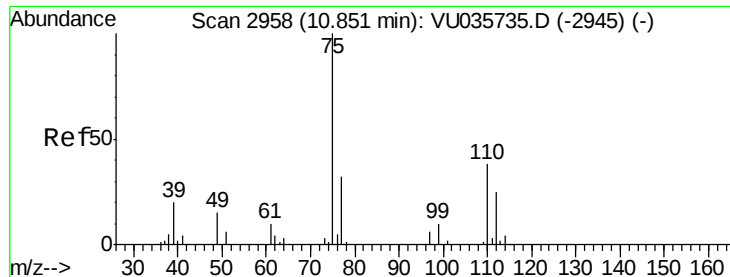
#54
o-Xylene
Concen: 0.066 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035748.D
Acq: 18 Nov 2019 17:10

Tgt Ion:106 Resp: 2318
Ion Ratio Lower Upper
106 100
91 257.0 147.7 274.3



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

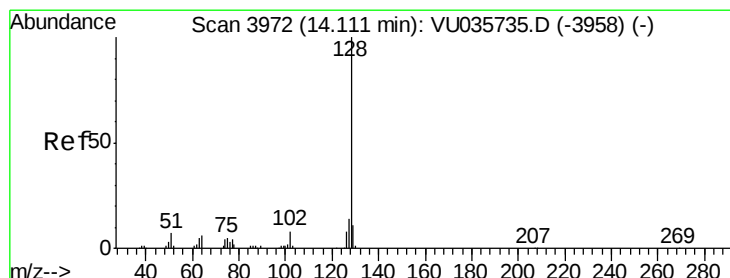
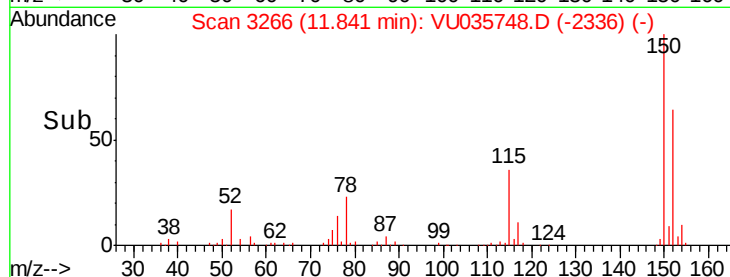
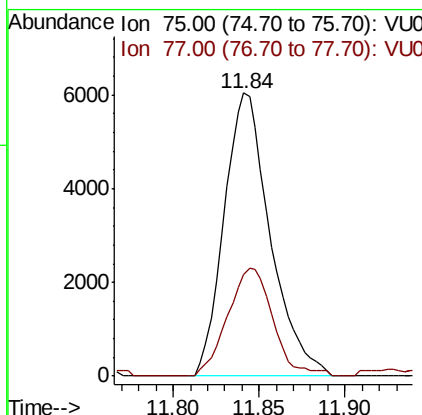
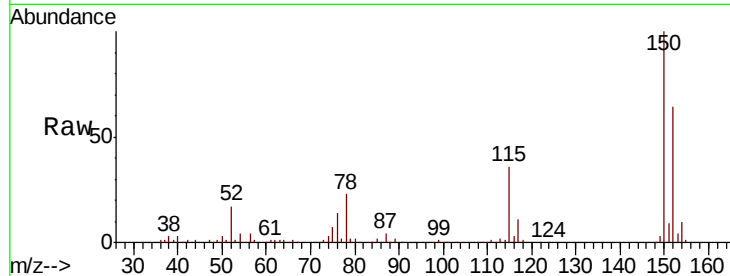




#59
 1,2,3-Trichloropropane
 Concen: 0.750 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035748.D
 Acq: 18 Nov 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 11247
 Ion Ratio Lower Upper
 75 100
 77 37.6 26.8 40.2



#69
 Naphthalene
 Concen: 0.139 ug/L
 RT: 14.11 min Scan# 3972
 Delta R.T. -0.00 min
 Lab File: VU035748.D
 Acq: 18 Nov 2019 17:10

Tgt Ion:128 Resp: 2322
 Ion Ratio Lower Upper
 128 100
 129 3.8 8.1 12.1#
 127 12.6 11.0 16.4

