

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035741.D
 Acq On : 18 Nov 2019 13:55
 Operator : JC/SP
 Sample : K5911-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:35:51 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	191729	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	219935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	81872	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	89181	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.93	69	83036	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.60	63	114020	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.70	46	225920	51.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.70%
24) Chloroform-d	5.11	84	170679	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.75	65	88866	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.77	84	315439	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.74	67	110931	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.93	98	257487	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	8.22	79	40205	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.70	63	161545	46.11	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.22%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	94710	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	83006	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

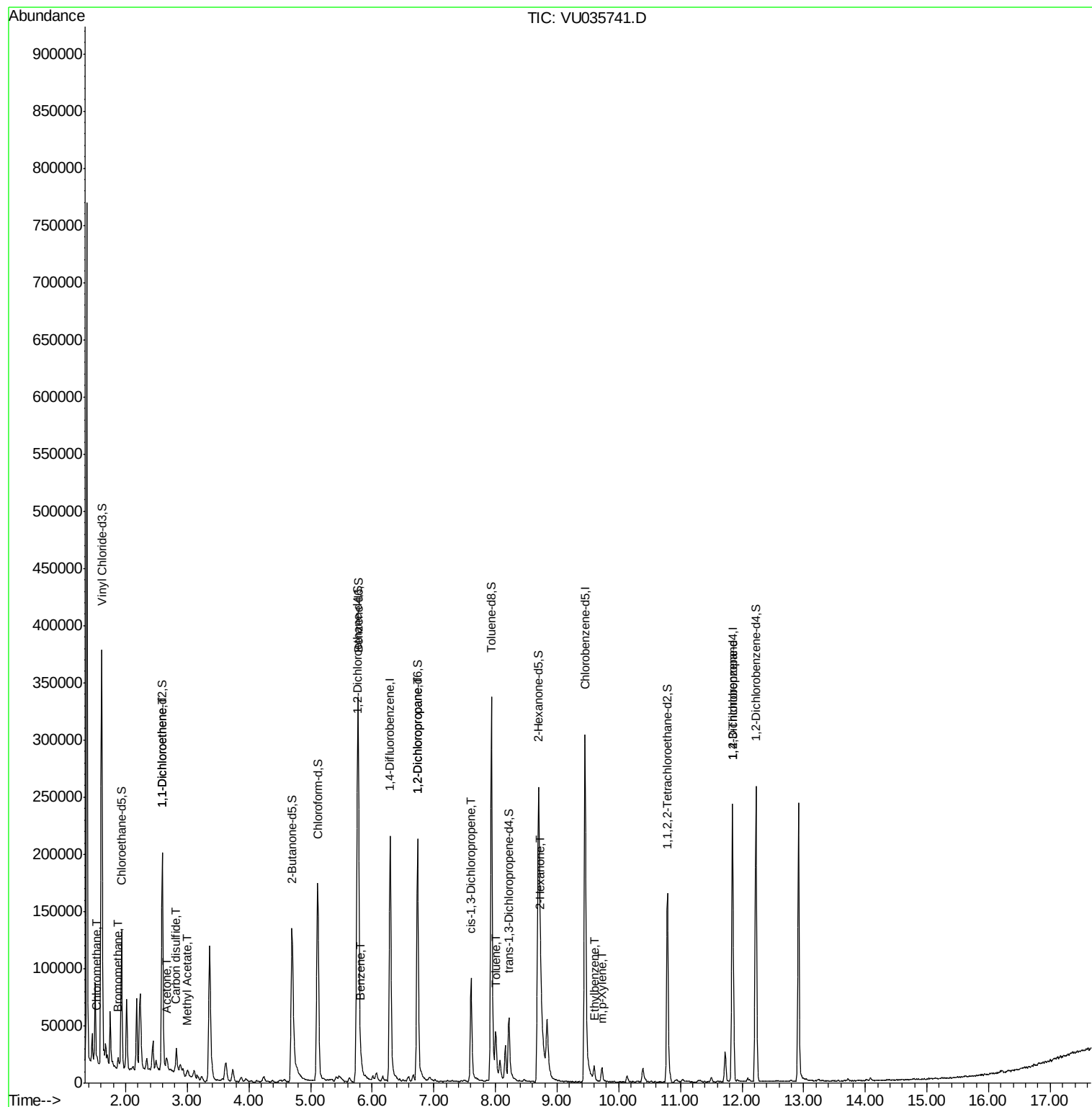
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	3798	0.160	ug/L	96
6) Bromomethane	1.88	94	4148	0.298	ug/L	96
12) 1,1-Dichloroethene	2.60	96	1220	0.072	ug/L #	1
13) Acetone	2.67	43	8575	2.730	ug/L	95
14) Carbon disulfide	2.82	76	24461	0.447	ug/L #	93
15) Methyl Acetate	2.99	43	2383	0.327	ug/L #	50
33) Benzene	5.82	78	9121	0.118	ug/L	100
37) 1,2-Dichloropropane	6.73	63	11083	0.543	ug/L #	87
39) cis-1,3-Dichloropropene	7.61	75	2300	0.079	ug/L #	16
42) Toluene	8.00	91	28559	0.351	ug/L	96
48) 2-Hexanone	8.74	43	16866	2.024	ug/L #	67
52) Ethylbenzene	9.60	91	10882	0.127	ug/L	100
53) m,p-Xylene	9.73	106	4343	0.134	ug/L	88
59) 1,2,3-Trichloropropane	11.84	75	9589	0.711	ug/L	97

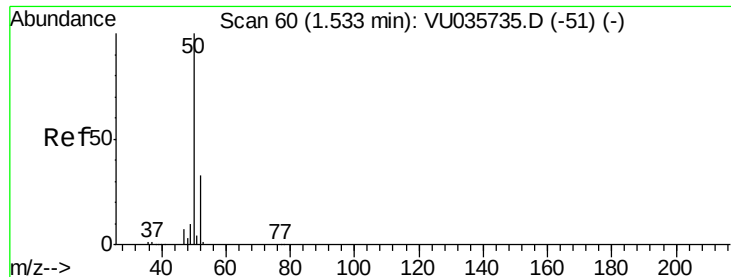
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.160 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035741.D

Acq: 18 Nov 2019 13:55

Instrument :

MSVOA_U

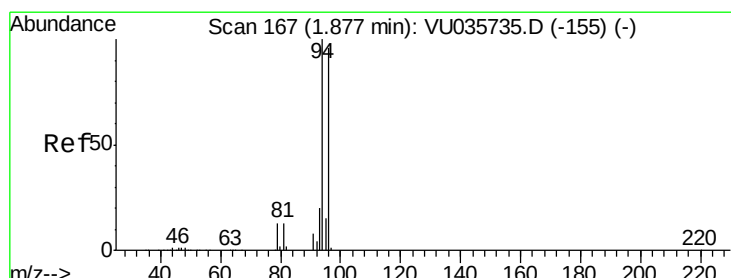
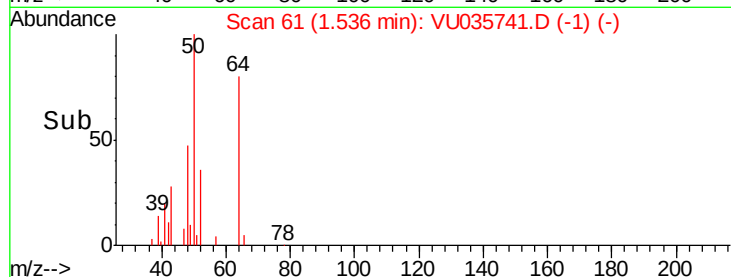
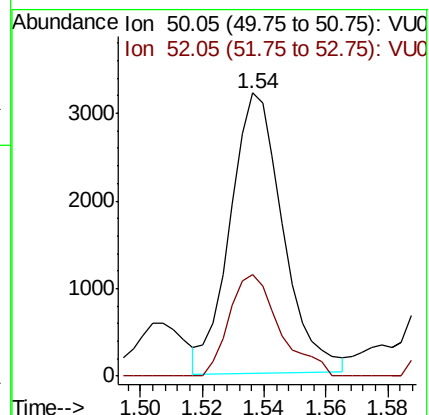
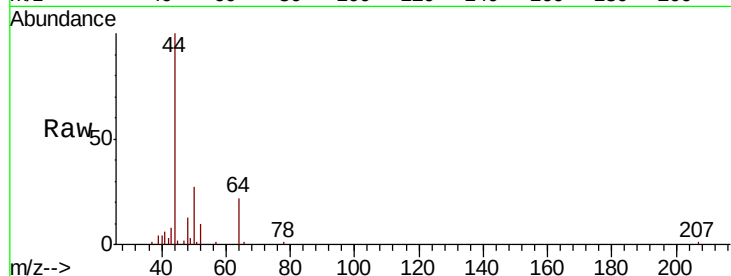
ClientSampleId :

Tot Ion: 50 Resp: 3798

Ion Ratio Lower Upper

50 100

52 35.9 23.4 43.6



#6

Bromomethane

Concen: 0.298 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035741.D

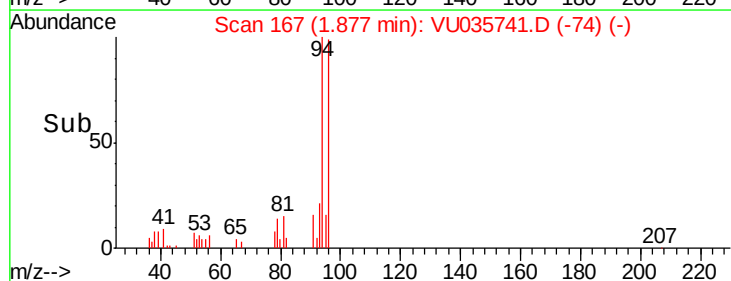
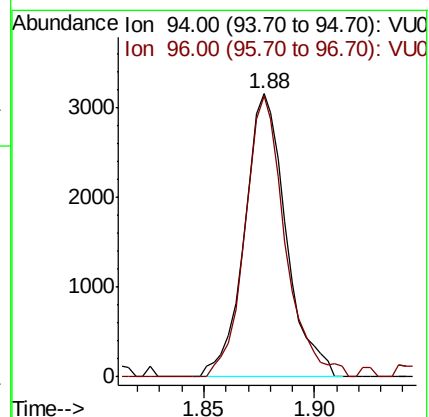
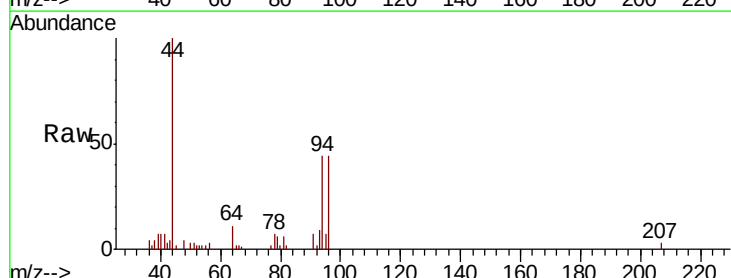
Acq: 18 Nov 2019 13:55

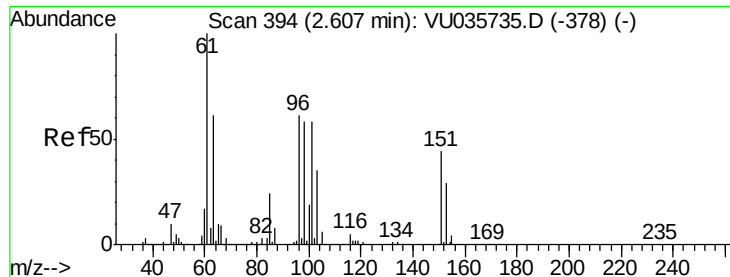
Tgt Ion: 94 Resp: 4148

Ion Ratio Lower Upper

94 100

96 99.1 66.8 124.2

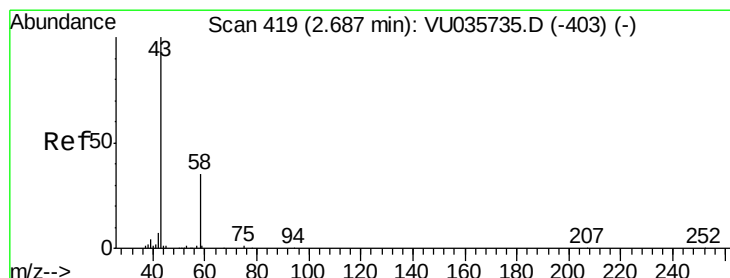
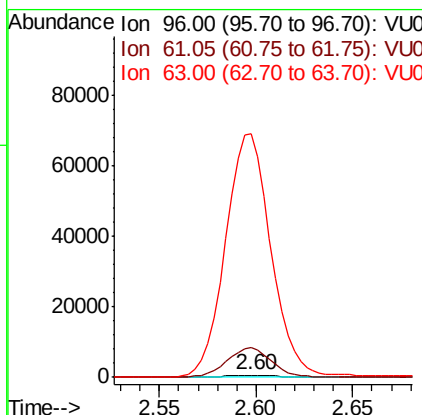
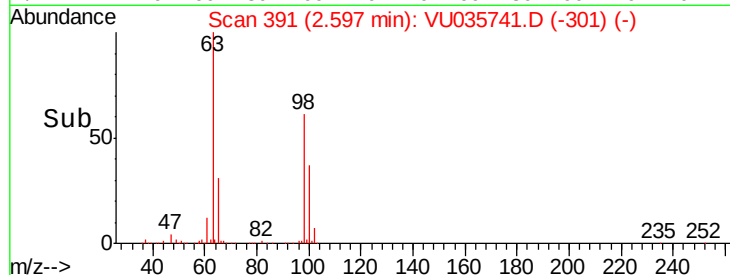
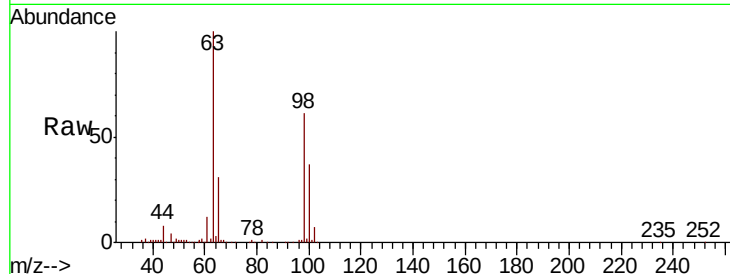




#12
 1,1-Dichloroethene
 Concen: 0.072 ug/L
 RT: 2.60 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: VU035741.D
 Acq: 18 Nov 2019 13:55

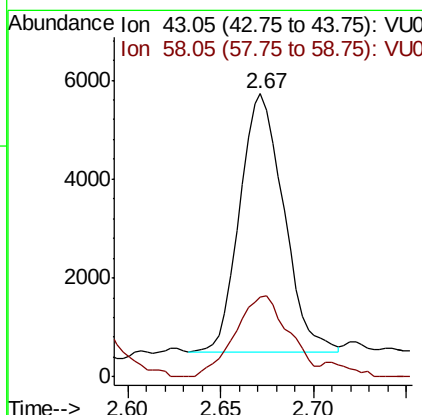
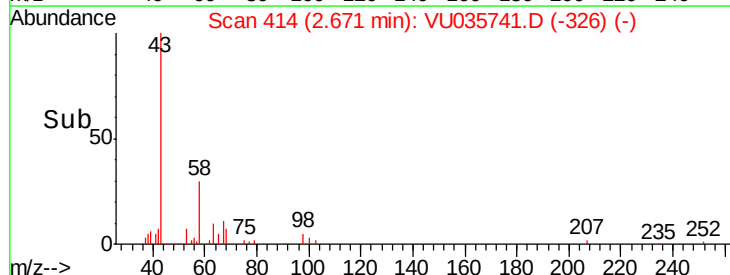
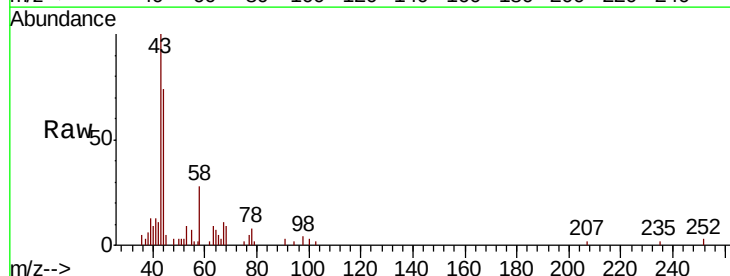
Instrument :
 MSVOA_U
 ClientSampleId :

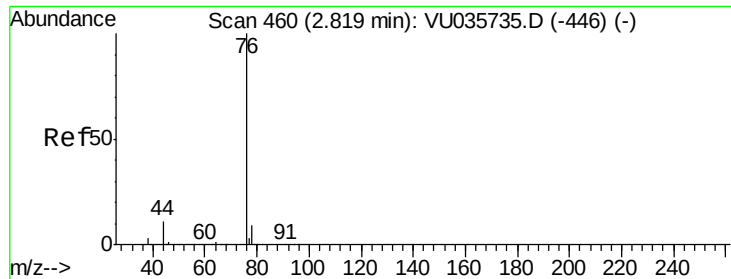
Tot Ion: 96 Resp: 1220
 Ion Ratio Lower Upper
 96 100
 61 1445.8 123.1 228.5#
 63 11933.7 87.8 163.0#



#13
 Acetone
 Concen: 2.730 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. -0.02 min
 Lab File: VU035741.D
 Acq: 18 Nov 2019 13:55

Tgt Ion: 43 Resp: 8575
 Ion Ratio Lower Upper
 43 100
 58 38.0 0.0 69.8





#14

Carbon disulfide

Concen: 0.447 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035741.D

Acq: 18 Nov 2019 13:55

Instrument :

MSVOA_U

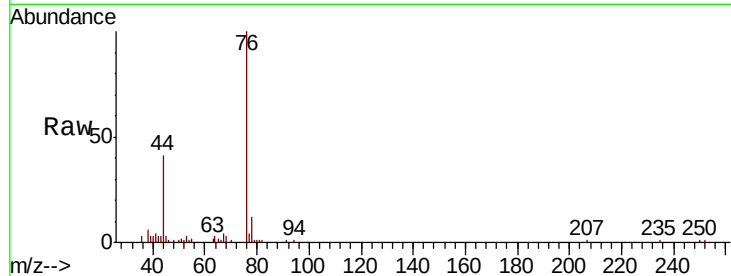
ClientSampleId :

Tot Ion: 76 Resp: 24461

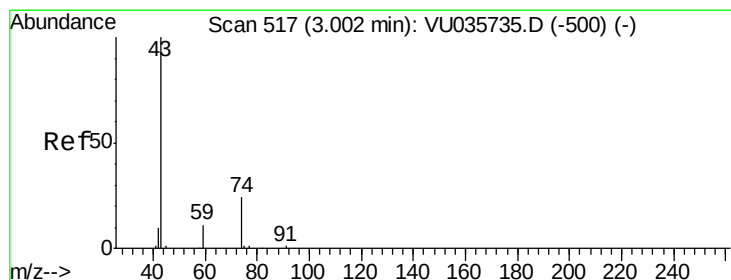
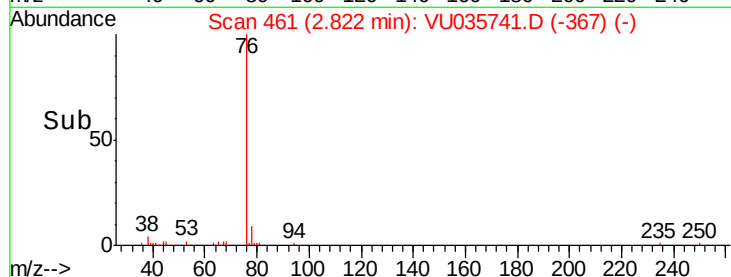
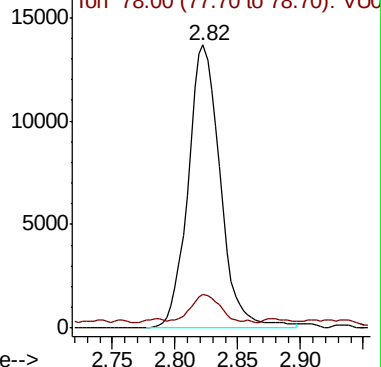
Ion Ratio Lower Upper

76 100

78 11.8 7.4 11.0#



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



#15

Methyl Acetate

Concen: 0.327 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.01 min

Lab File: VU035741.D

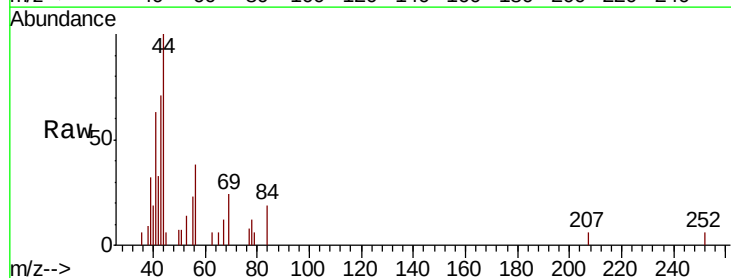
Acq: 18 Nov 2019 13:55

Tgt Ion: 43 Resp: 2383

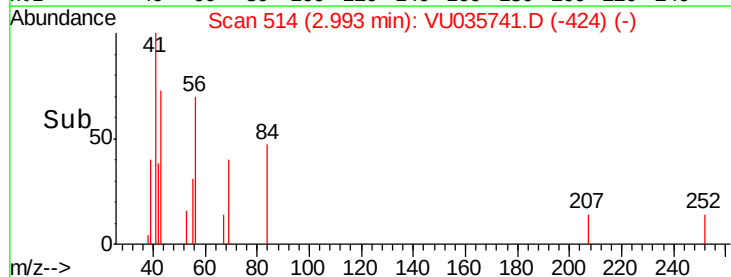
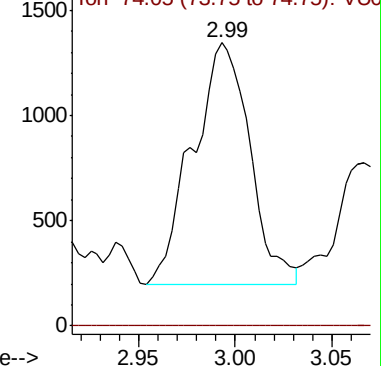
Ion Ratio Lower Upper

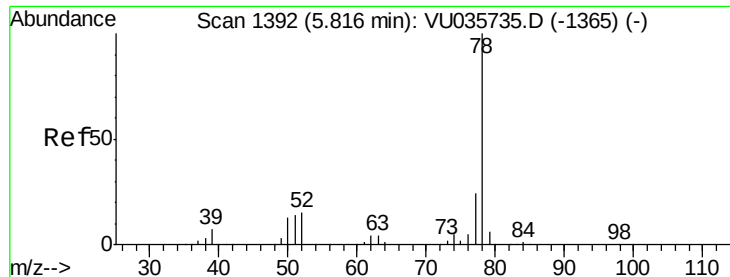
43 100

74 0.8 21.0 31.6#



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





#33

Benzene

Concen: 0.118 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035741.D

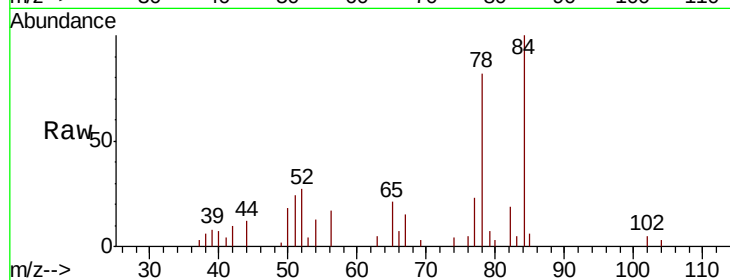
Acq: 18 Nov 2019 13:55

Instrument :

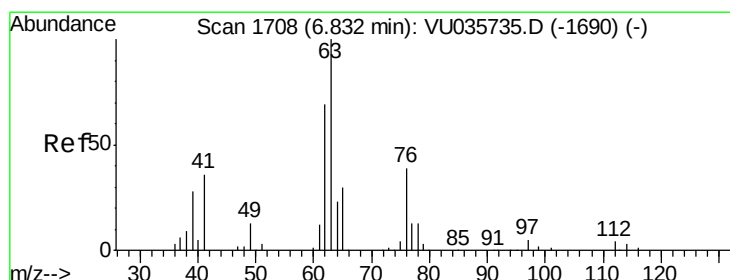
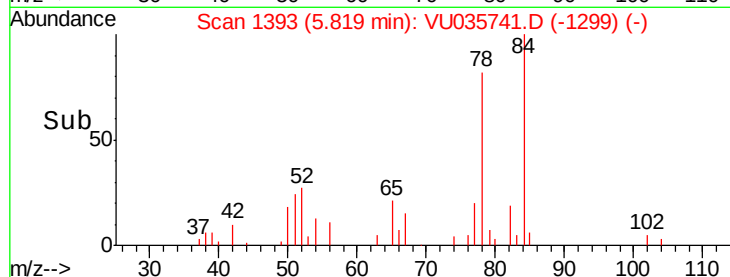
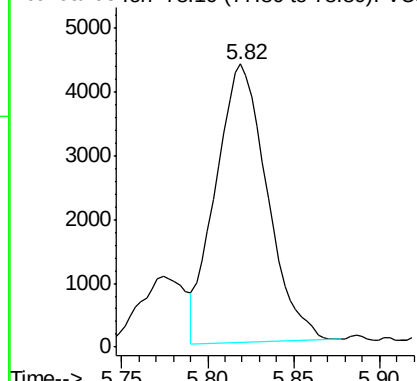
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 9121



Abundance Ion 78.10 (77.80 to 78.80): VU0



#37

1,2-Dichloropropane

Concen: 0.543 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035741.D

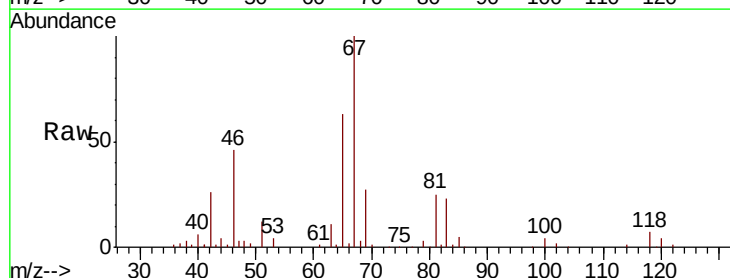
Acq: 18 Nov 2019 13:55

Tgt Ion: 63 Resp: 11083

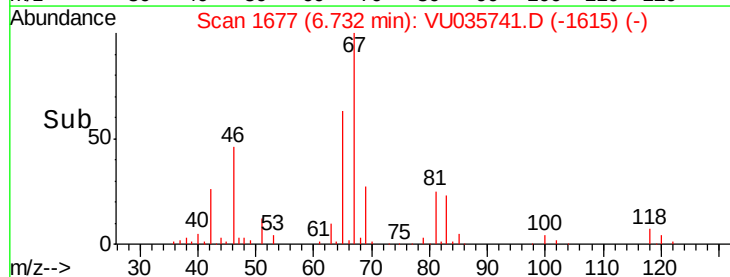
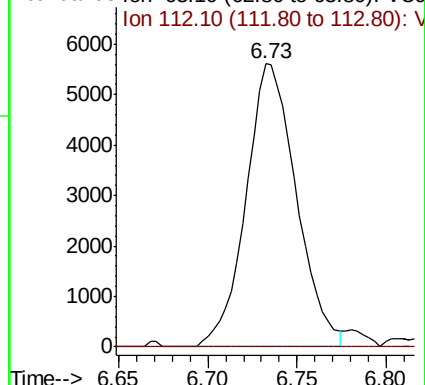
Ion Ratio Lower Upper

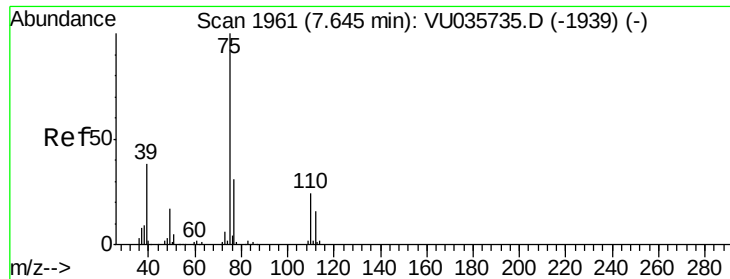
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0





#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035741.D

Acq: 18 Nov 2019 13:55

Instrument :

MSVOA_U

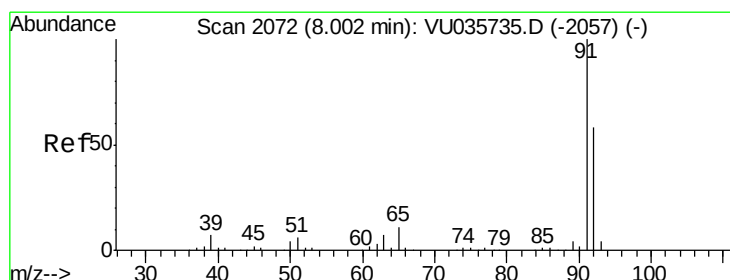
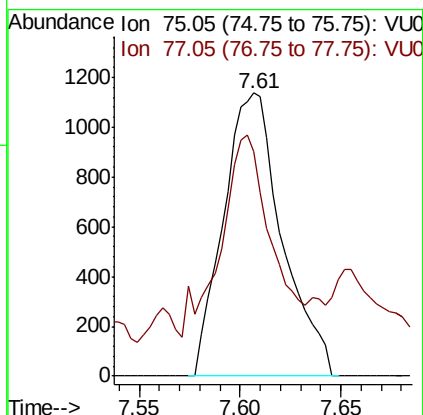
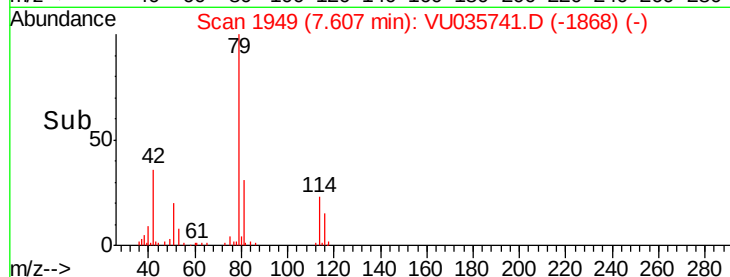
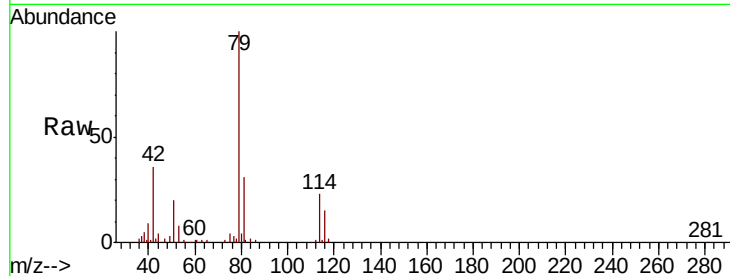
ClientSampleId :

Tot Ion: 75 Resp: 2300

Ion Ratio Lower Upper

75 100

77 79.2 22.5 41.7#



#42

Toluene

Concen: 0.351 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035741.D

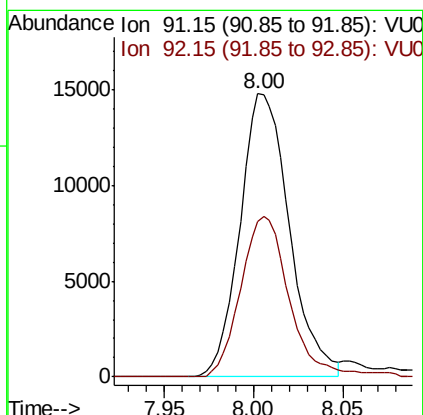
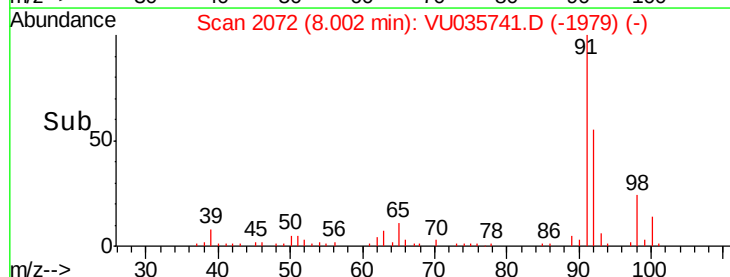
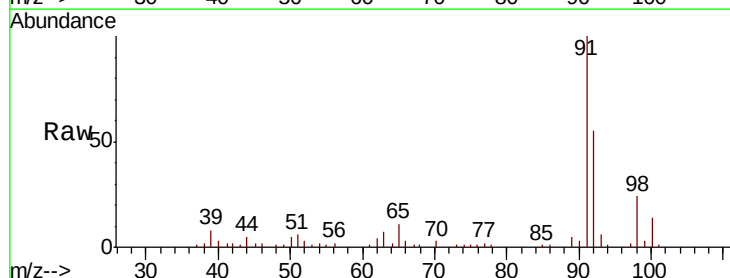
Acq: 18 Nov 2019 13:55

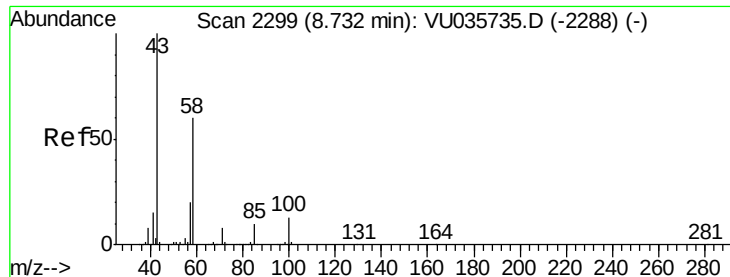
Tgt Ion: 91 Resp: 28559

Ion Ratio Lower Upper

91 100

92 55.0 40.5 75.3

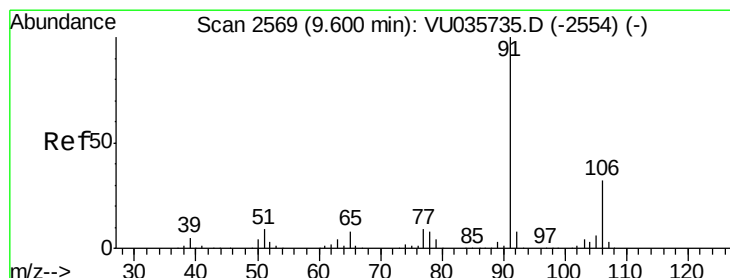
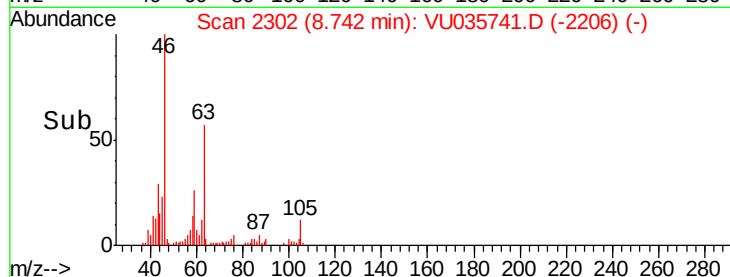
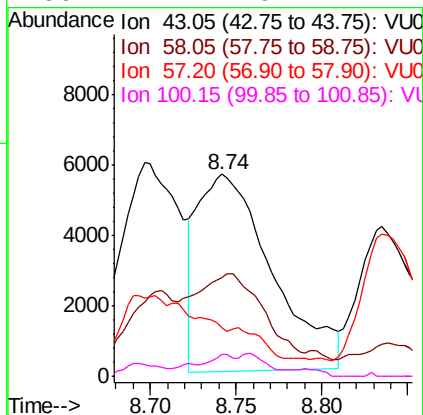
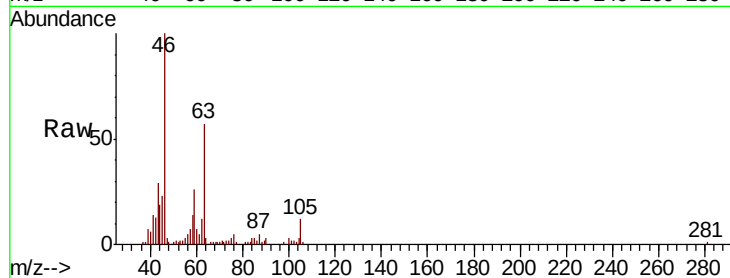




#48
2-Hexanone
Concen: 2.024 ug/L
RT: 8.74 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VU035741.D
Acq: 18 Nov 2019 13:55

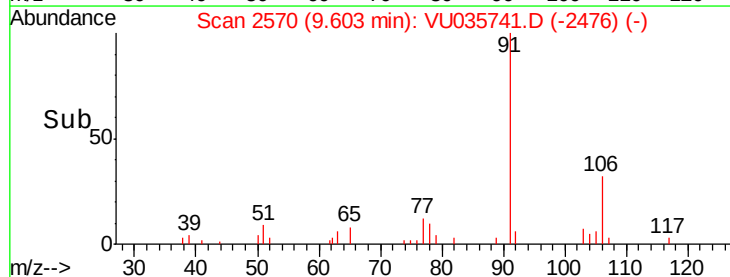
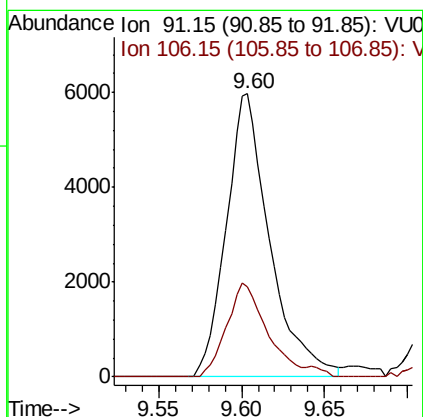
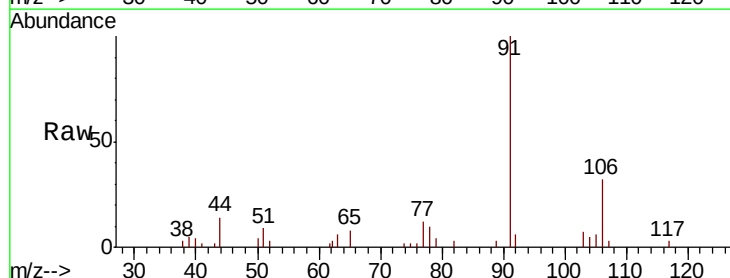
Instrument :
MSVOA_U
ClientSampleId :

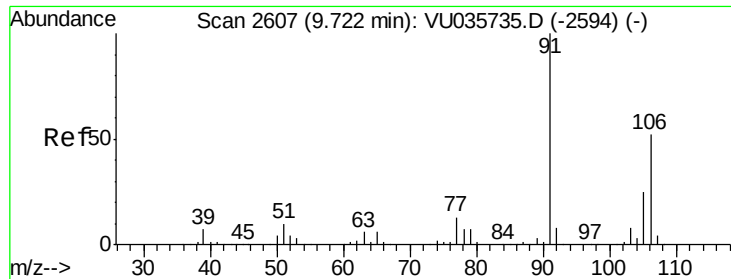
Tot Ion: 43 Resp: 16866
Ion Ratio Lower Upper
43 100
58 31.5 44.1 66.1#
57 0.0 15.1 22.7#
100 4.1 9.4 14.2#



#52
Ethylbenzene
Concen: 0.127 ug/L
RT: 9.60 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU035741.D
Acq: 18 Nov 2019 13:55

Tgt Ion: 91 Resp: 10882
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6





#53

m,p-Xylene

Concen: 0.134 ug/L

RT: 9.73 min Scan# 2609

Delta R.T. 0.01 min

Lab File: VU035741.D

Acq: 18 Nov 2019 13:55

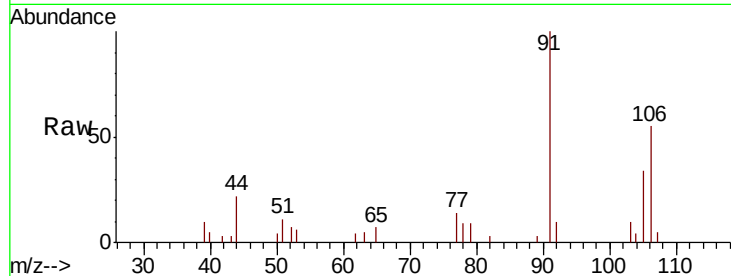
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 4343

Ion Ratio Lower Upper

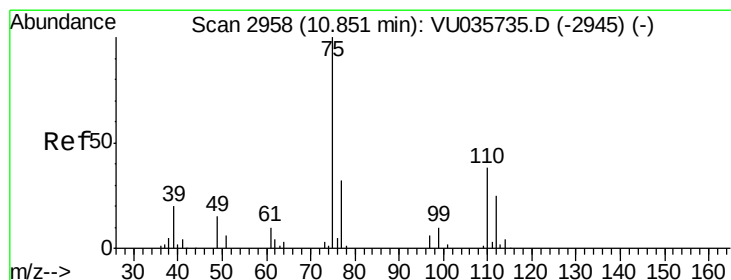
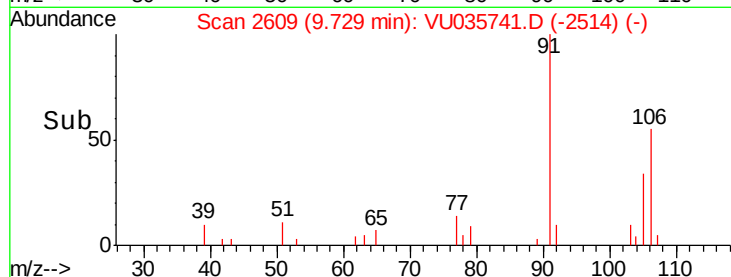
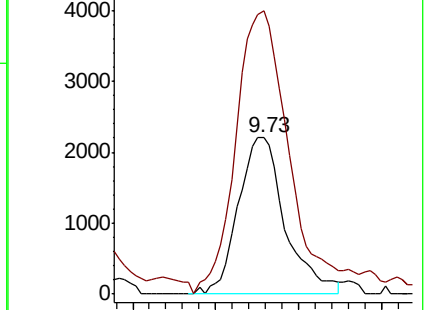
106 100

91 180.8 139.4 259.0



Abundance Ion 106.15 (105.85 to 106.85): VU035735.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU035735.D (-2594) (-)



#59

1,2,3-Trichloropropane

Concen: 0.711 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035741.D

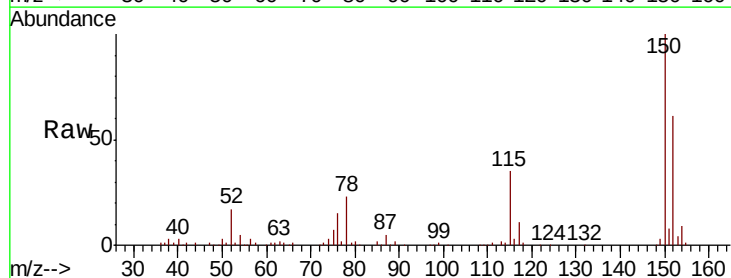
Acq: 18 Nov 2019 13:55

Tgt Ion: 75 Resp: 9589

Ion Ratio Lower Upper

75 100

77 35.4 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU035735.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU035735.D (-2945) (-)

