

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111819\
 Data File : VU035743.D
 Acq On : 18 Nov 2019 14:44
 Operator : JC/SP
 Sample : K5911-03MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAQK6MSD

Quant Time: Nov 19 02:22:56 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	203151	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	237072	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	108192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	88739	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.93	69	82738	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.60	63	165383	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	4.70	46	240533	52.10	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.20%
24) Chloroform-d	5.11	84	171546	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.75	65	88508	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.77	84	321276	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.74	67	110754	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.93	98	263403	3.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.60%
43) trans-1,3-Dichloropropene-	8.21	79	41845	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.68	63	172694	45.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.46%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	98232	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	97150	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

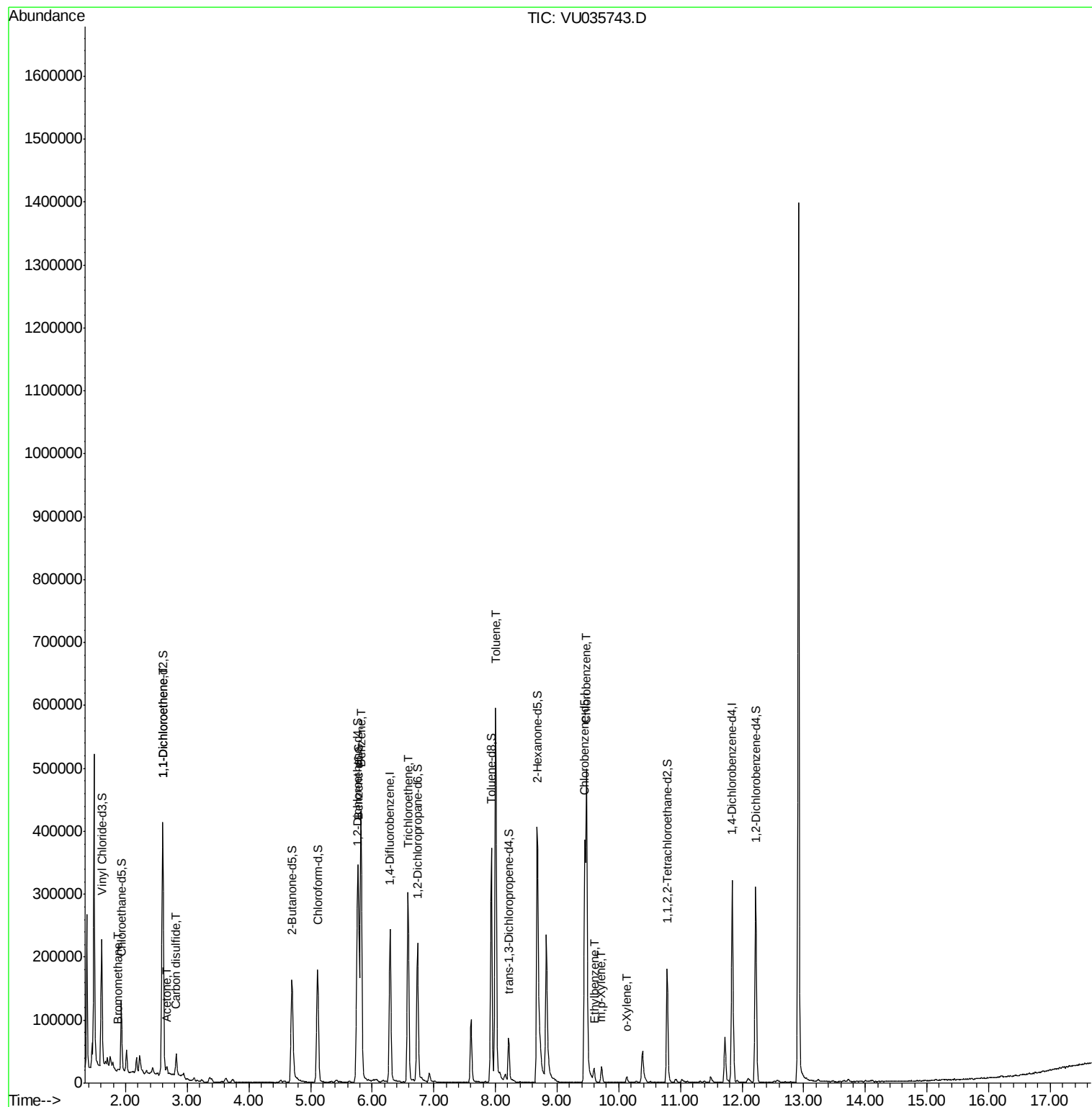
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.88	94	1657	0.113	ug/L	98
12) 1,1-Dichloroethene	2.61	96	99040	5.544	ug/L	92
13) Acetone	2.67	43	10285	3.090	ug/L	92
14) Carbon disulfide	2.82	76	42796	0.739	ug/L	98
33) Benzene	5.82	78	422815	5.068	ug/L	100
34) Trichloroethene	6.58	95	104495	4.894	ug/L	98
42) Toluene	8.01	91	454441	5.177	ug/L	100
51) Chlorobenzene	9.48	112	290112	5.033	ug/L	98
52) Ethylbenzene	9.60	91	13658	0.148	ug/L	99
53) m,p-Xylene	9.72	106	8227	0.235	ug/L	78
54) o-Xylene	10.13	106	2775	0.082	ug/L	96

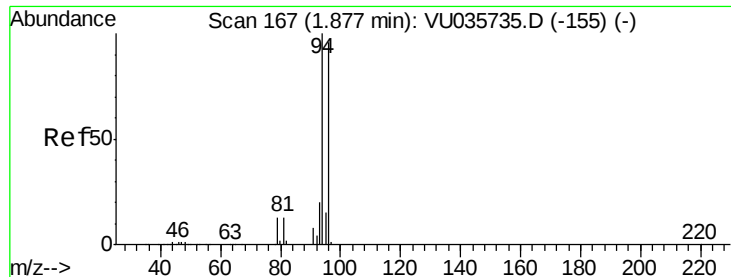
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.113 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU035743.D

Acq: 18 Nov 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

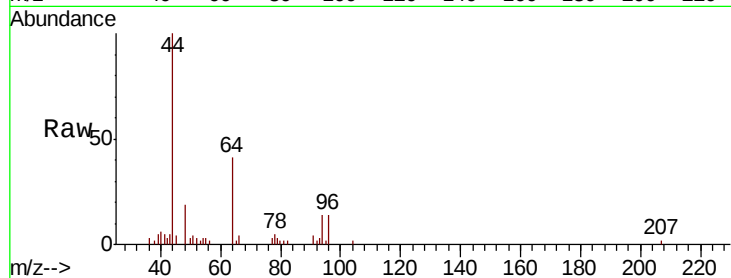
GAQK6MSD

Tot Ion: 94 Resp: 1657

Ion Ratio Lower Upper

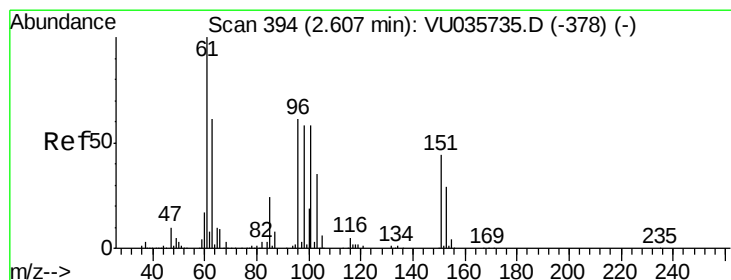
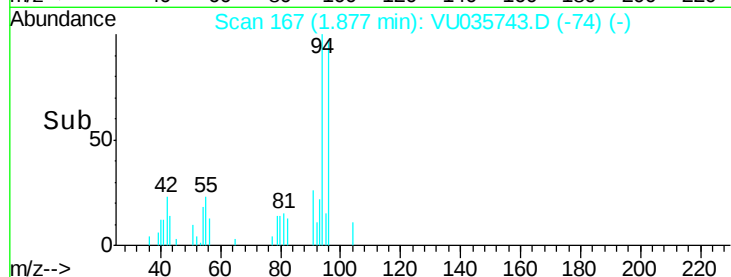
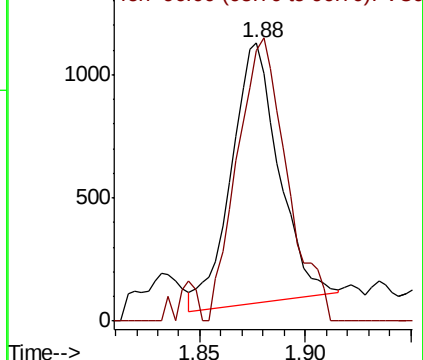
94 100

96 97.0 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#12

1,1-Dichloroethene

Concen: 5.544 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035743.D

Acq: 18 Nov 2019 14:44

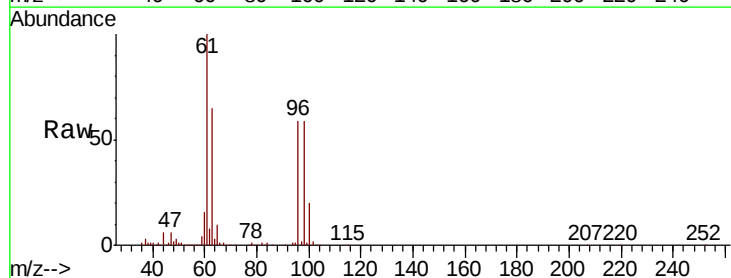
Tgt Ion: 96 Resp: 99040

Ion Ratio Lower Upper

96 100

61 169.8 123.1 228.5

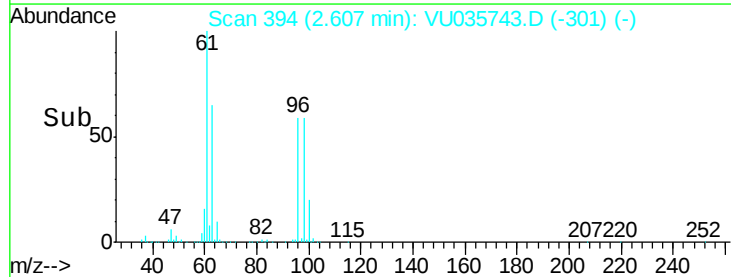
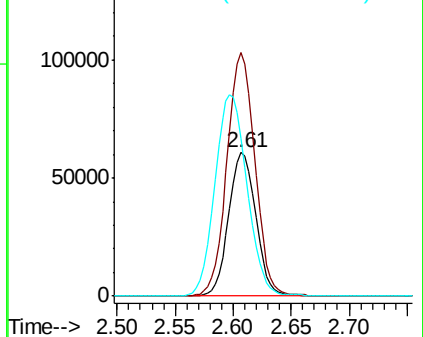
63 110.0 87.8 163.0

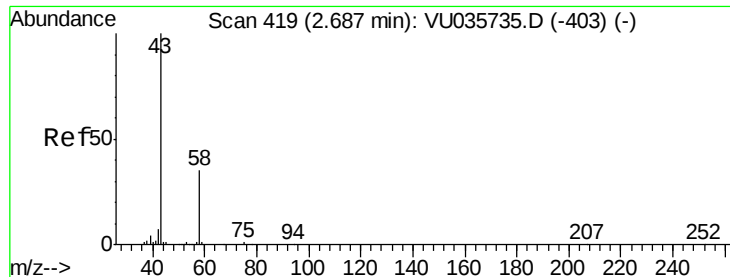


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.090 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

Lab File: VU035743.D

Acq: 18 Nov 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

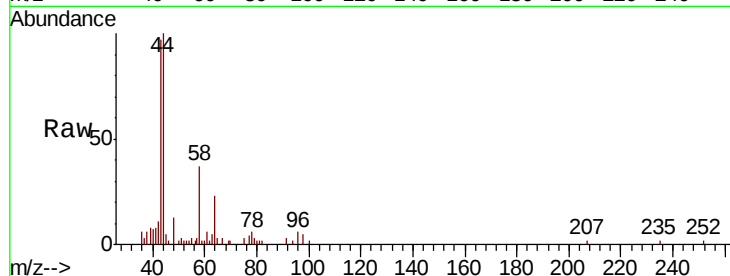
GAQK6MSD

Tot Ion: 43 Resp: 10285

Ion Ratio Lower Upper

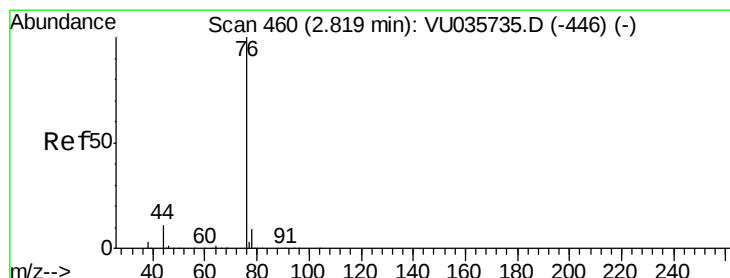
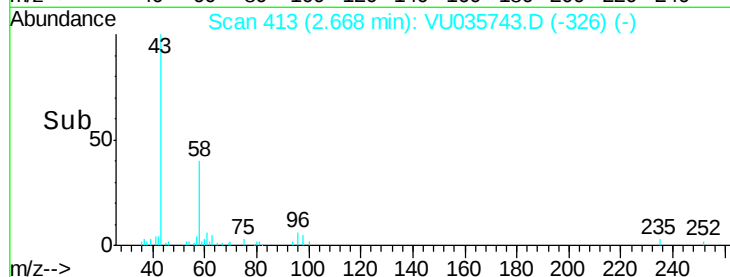
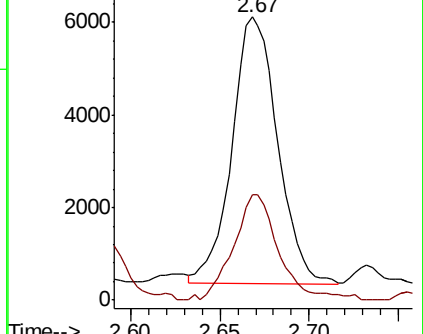
43 100

58 39.5 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035743.D (-326) (-)

Ion 58.05 (57.75 to 58.75): VU035743.D (-326) (-)



#14

Carbon disulfide

Concen: 0.739 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035743.D

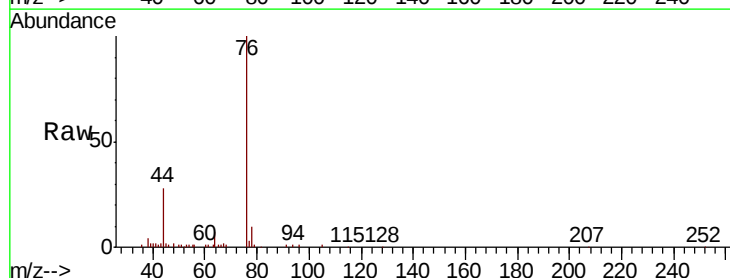
Acq: 18 Nov 2019 14:44

Tgt Ion: 76 Resp: 42796

Ion Ratio Lower Upper

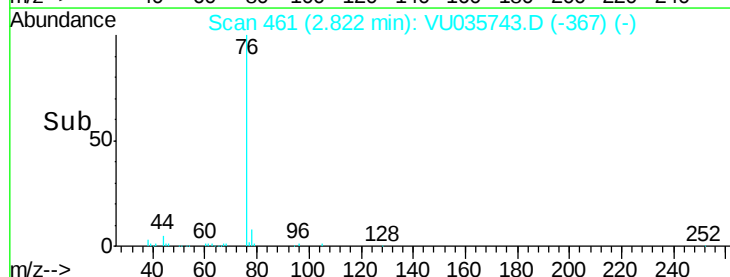
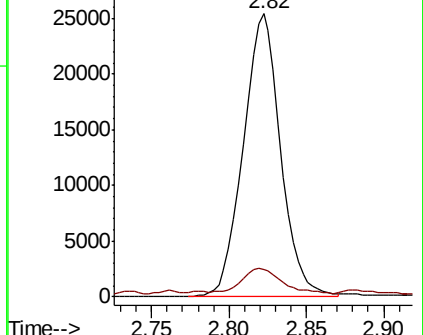
76 100

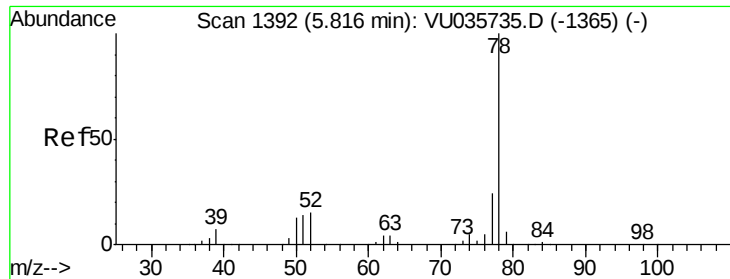
78 9.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU035743.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU035743.D (-367) (-)





#33

Benzene

Concen: 5.068 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035743.D

Acq: 18 Nov 2019 14:44

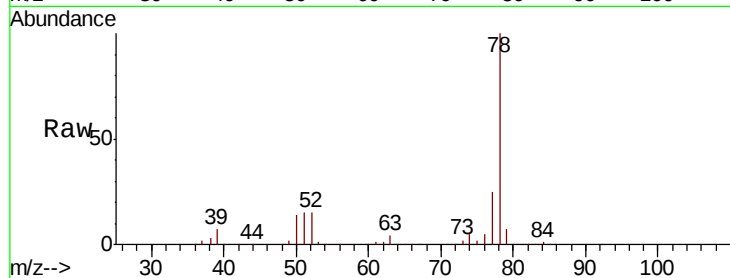
Instrument :

MSVOA_U

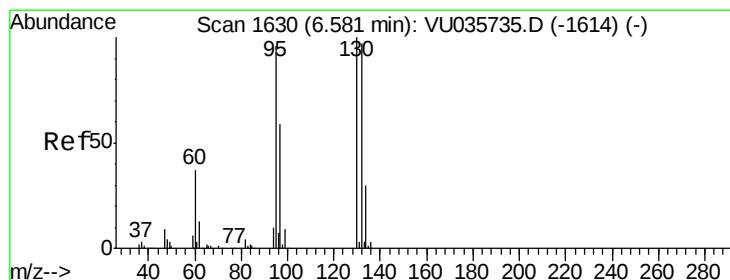
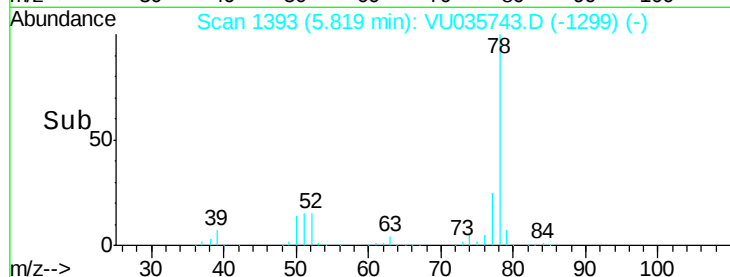
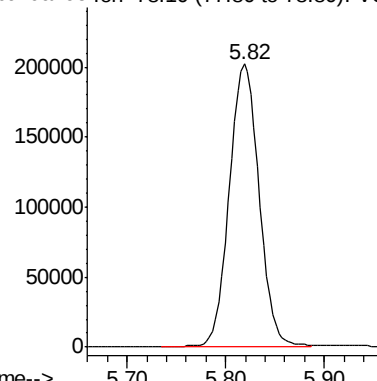
ClientSampleId :

GAQK6MSD

Tgt Ion: 78 Resp: 422815



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.894 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035743.D

Acq: 18 Nov 2019 14:44

Tgt Ion: 95 Resp: 104495

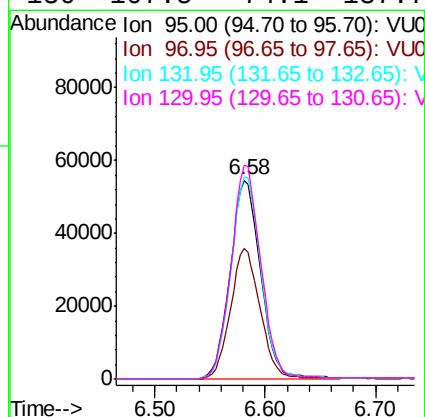
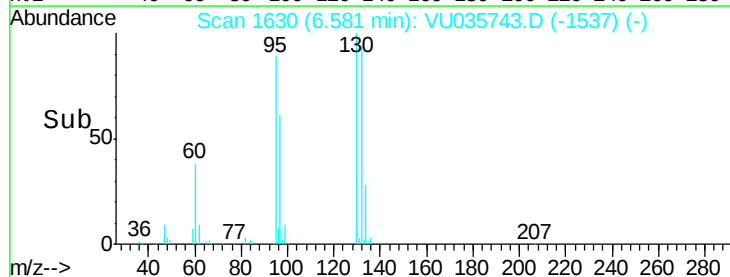
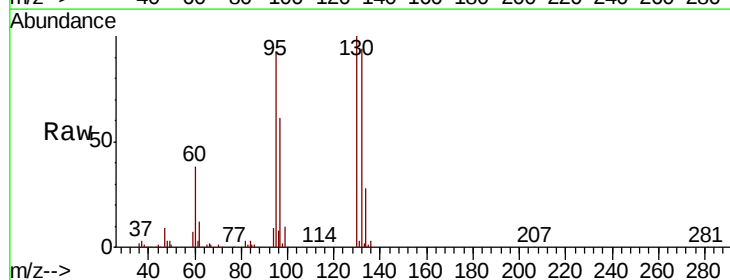
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.5	82.7
132	101.6	69.9	129.7
130	107.5	74.1	137.7

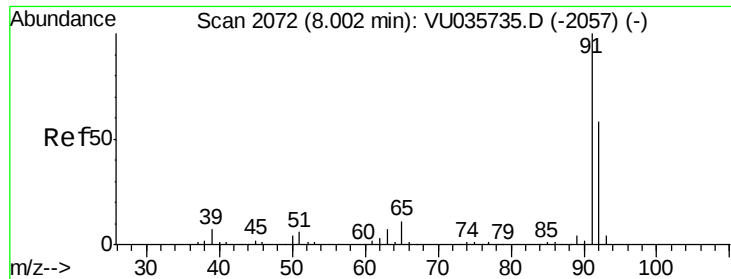
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 5.177 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035743.D

Acq: 18 Nov 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

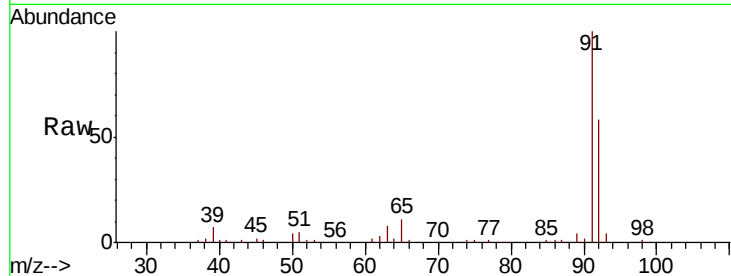
GAQK6MSD

Tot Ion: 91 Resp: 454441

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU035735.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035735.D (-2057) (-)

8.01

250000

200000

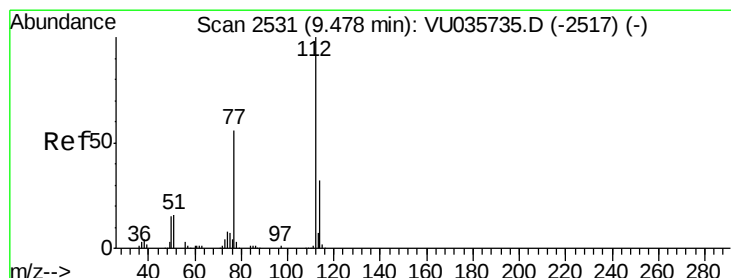
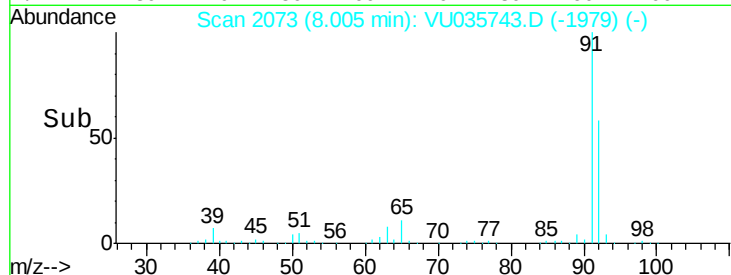
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#51

Chlorobenzene

Concen: 5.033 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035743.D

Acq: 18 Nov 2019 14:44

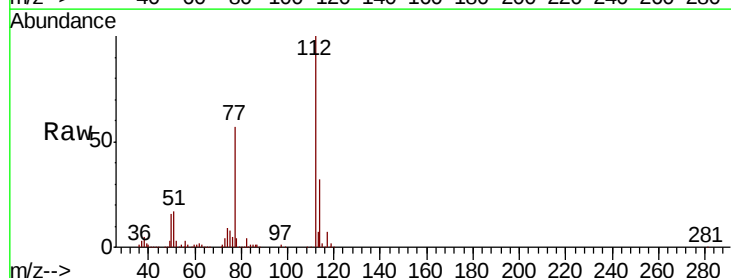
Tgt Ion: 112 Resp: 290112

Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 57.4 44.3 66.5



Abundance Ion 112.10 (111.80 to 112.80): VU035735.D (-2517) (-)

Ion 114.05 (113.75 to 114.75): VU035735.D (-2517) (-)

Ion 77.10 (76.80 to 77.80): VU035735.D (-2517) (-)

9.48

200000

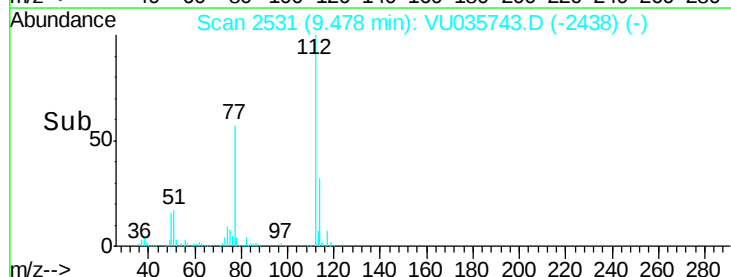
150000

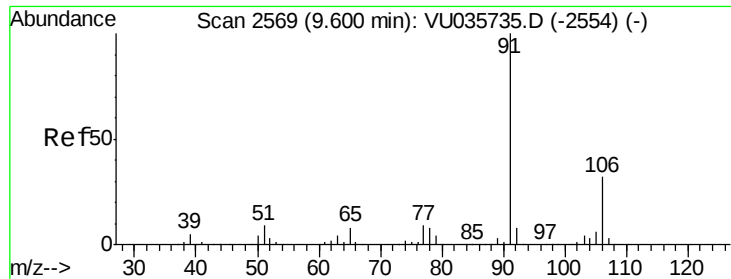
100000

50000

0

Time--> 9.40 9.50 9.60





#52

Ethylbenzene

Concen: 0.148 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU035743.D

Acq: 18 Nov 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

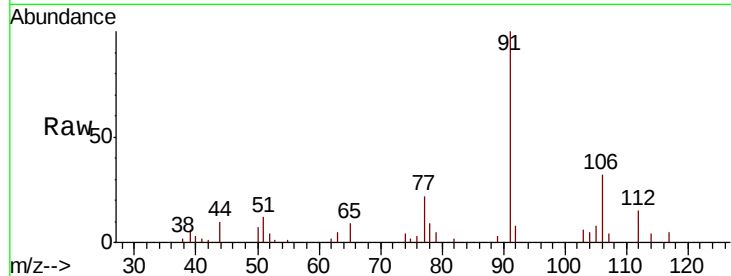
GAQK6MSD

Tot Ion: 91 Resp: 13658

Ion Ratio Lower Upper

91 100

106 31.6 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VU035743.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035743.D (-2554) (-)

9.60

8000

6000

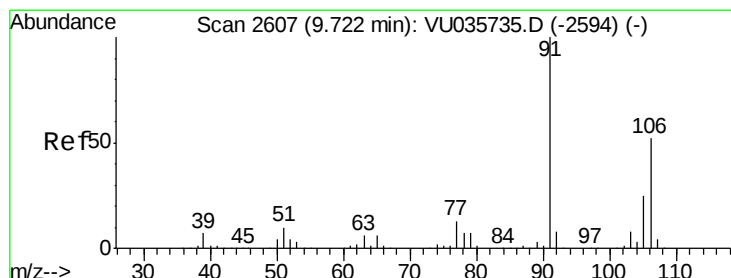
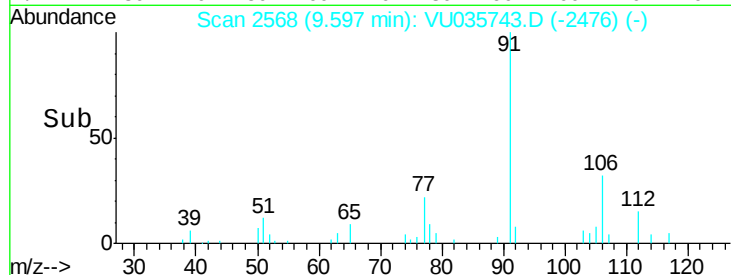
4000

2000

0

9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 0.235 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU035743.D

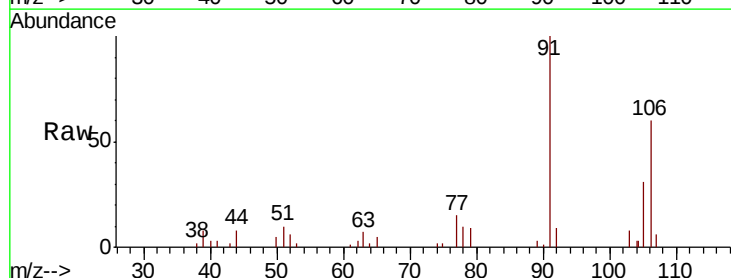
Acq: 18 Nov 2019 14:44

Tgt Ion: 106 Resp: 8227

Ion Ratio Lower Upper

106 100

91 165.7 139.4 259.0



Abundance Ion 106.15 (105.85 to 106.85): VU035743.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU035743.D (-2594) (-)

9.72

8000

6000

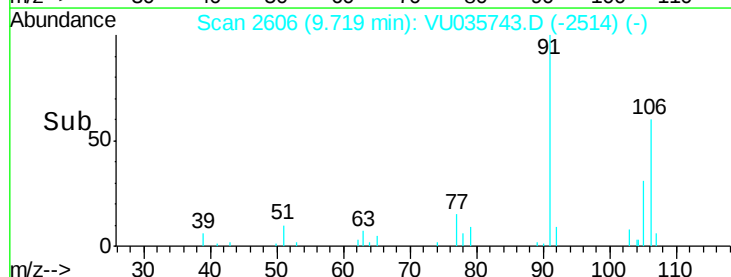
4000

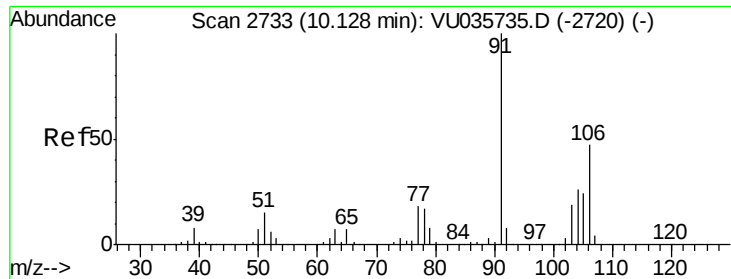
2000

0

9.65 9.70 9.75 9.80

Time-->





#54
 o-Xylene
 Concen: 0.082 ug/L
 RT: 10.13 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU035743.D
 Acq: 18 Nov 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :
 GAQK6MSD

Tot Ion:106 Resp: 2775
 Ion Ratio Lower Upper
 106 100
 91 216.5 147.7 274.3

