

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111819\
 Data File : VU035745.D
 Acq On : 18 Nov 2019 15:32
 Operator : JC/SP
 Sample : K5911-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:36:38 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	213627	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	252468	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88664	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	88516	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.93	69	81094	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.60	63	111813	3.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.40%
20) 2-Butanone-d5	4.70	46	215313	44.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.70%
24) Chloroform-d	5.11	84	124434	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.00%
26) 1,2-Dichloroethane-d4	5.75	65	87664	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.77	84	318771	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.20%
36) 1,2-Dichloropropane-d6	6.74	67	108964	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.80%
41) Toluene-d8	7.93	98	258347	3.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.60%#
43) trans-1,3-Dichloropropene-	8.22	79	36049	3.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.20%
46) 2-Hexanone-d5	8.70	63	157925	39.27	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	91962	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	81124	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	1304	0.069	ug/L #	1
13) Acetone	2.67	43	13405	3.830	ug/L	100
14) Carbon disulfide	2.82	76	28895	0.474	ug/L	95
17) Methyl tert-butyl Ether	3.42	73	26708	0.607	ug/L #	86
21) 2-Butanone	4.79	43	7514	1.446	ug/L	94
25) Chloroform	5.14	83	43240	1.107	ug/L	100
33) Benzene	5.82	78	14045	0.158	ug/L	100
37) 1,2-Dichloropropane	6.73	63	11202	0.479	ug/L #	87
42) Toluene	8.01	91	27863	0.298	ug/L	95
48) 2-Hexanone	8.75	43	25860	2.703	ug/L #	81
52) Ethylbenzene	9.60	91	15366	0.156	ug/L	100
53) m,p-Xylene	9.73	106	3930	0.105	ug/L	90
59) 1,2,3-Trichloropropane	11.84	75	10078	0.651	ug/L	99
62) 1,3-Dichlorobenzene	11.87	146	2636	0.088	ug/L	92
63) 1,4-Dichlorobenzene	11.87	146	2636	0.092	ug/L	91
65) 1,2-Dichlorobenzene	12.24	146	6546	0.234	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	3278	0.171	ug/L	96

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Response via : Initial Calibration

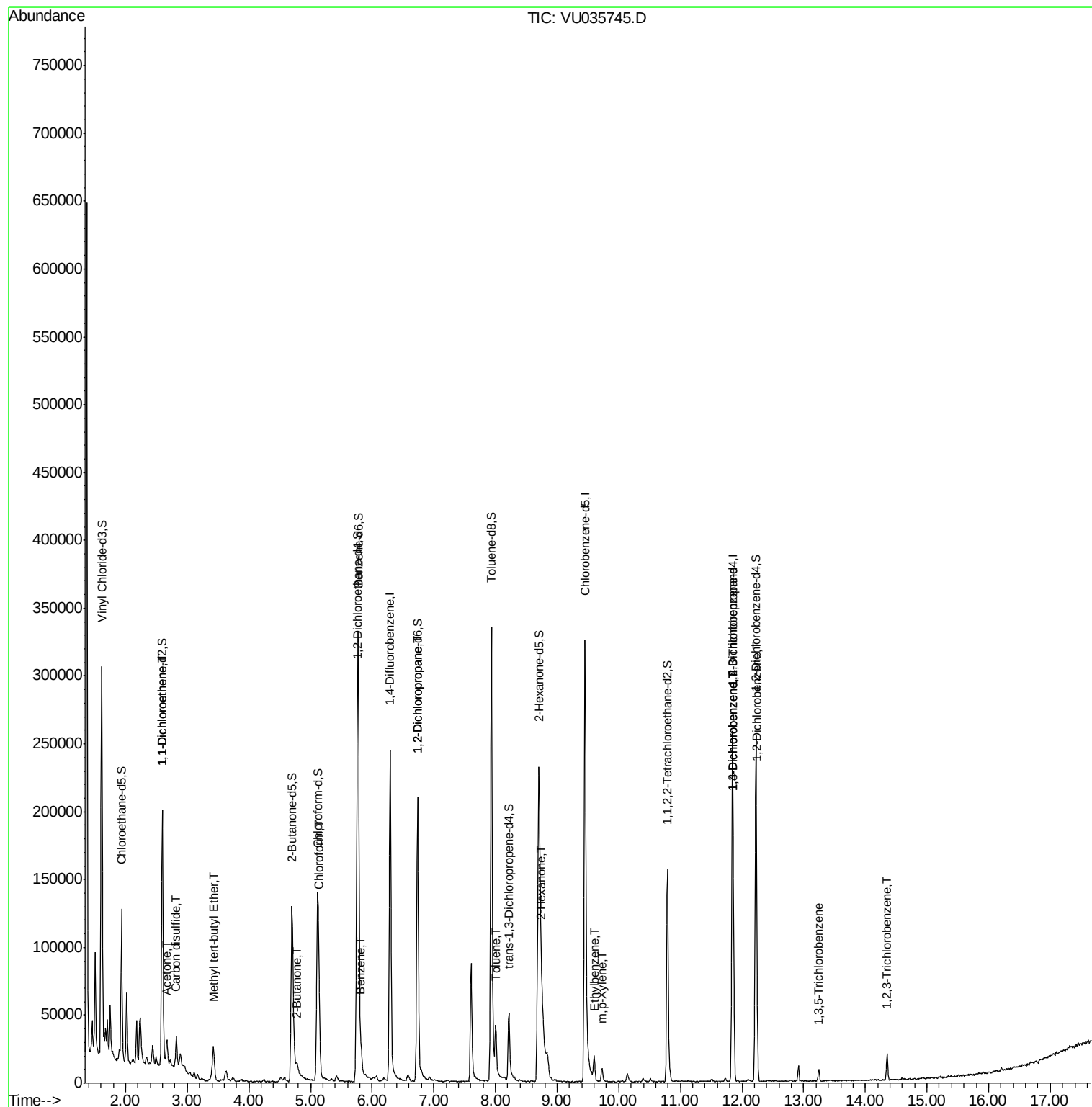
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	14.36	180	6510	0.582	ug/L	93

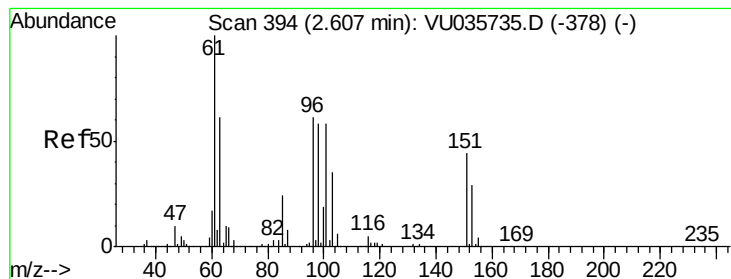
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111819\
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#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

Instrument :

MSVOA_U

ClientSampleId :

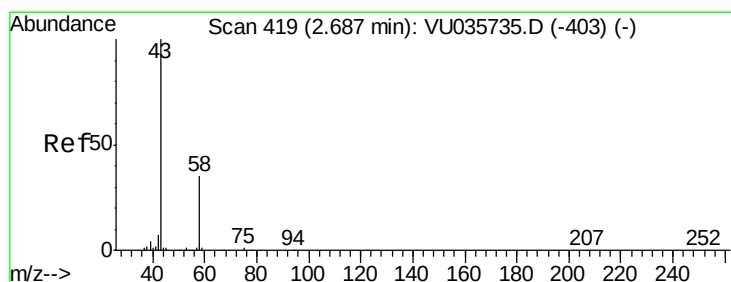
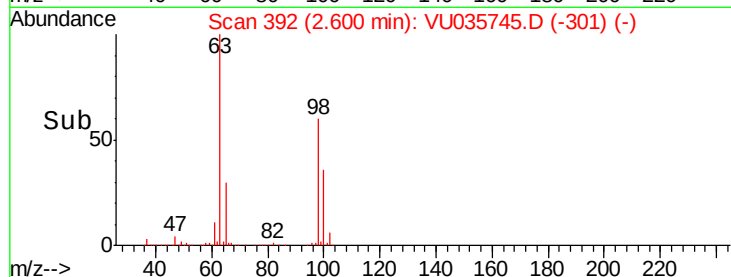
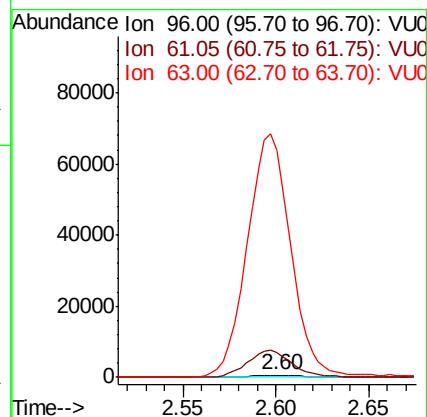
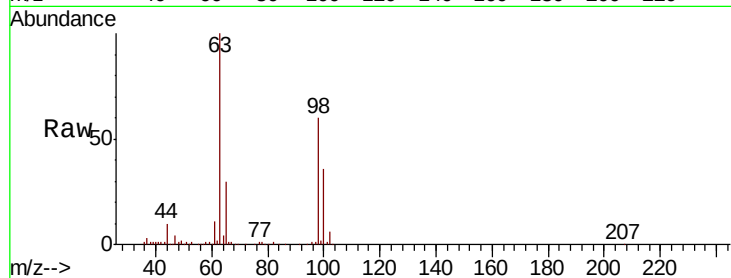
Tot Ion: 96 Resp: 1304

Ion Ratio Lower Upper

96 100

61 1091.7 123.1 228.5#

63 10013.1 87.8 163.0#



#13

Acetone

Concen: 3.830 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035745.D

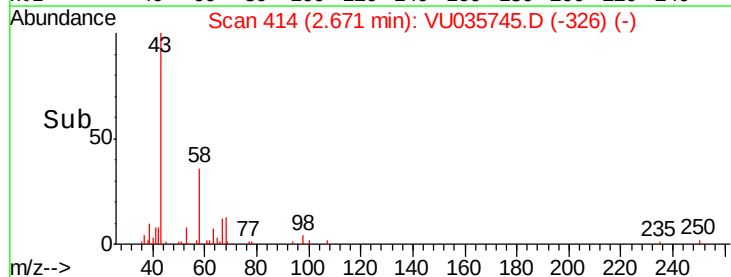
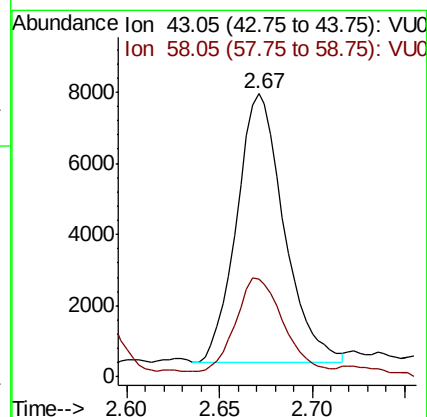
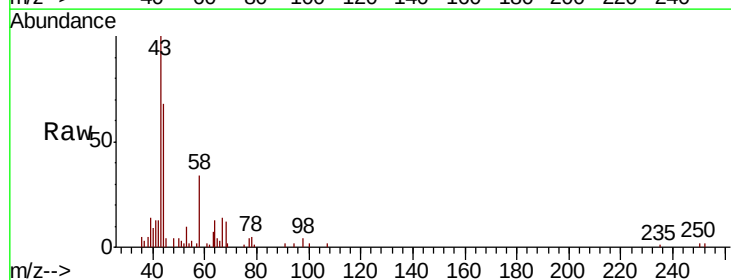
Acq: 18 Nov 2019 15:32

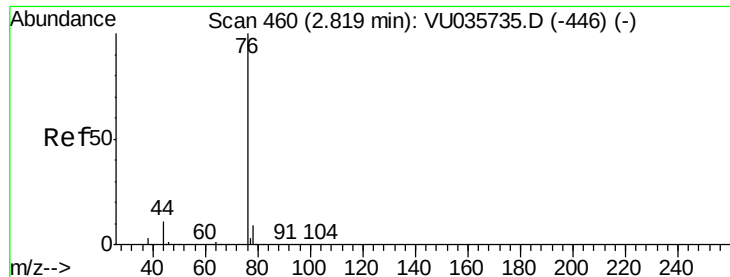
Tgt Ion: 43 Resp: 13405

Ion Ratio Lower Upper

43 100

58 35.0 0.0 69.8





#14

Carbon disulfide

Concen: 0.474 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

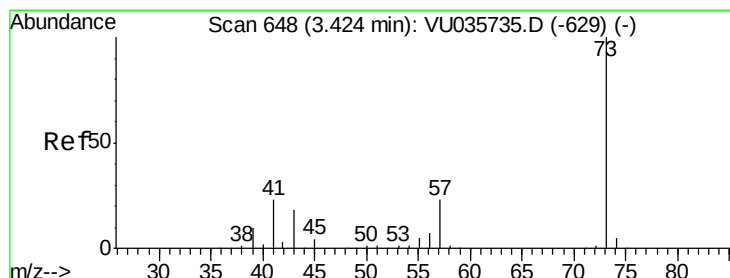
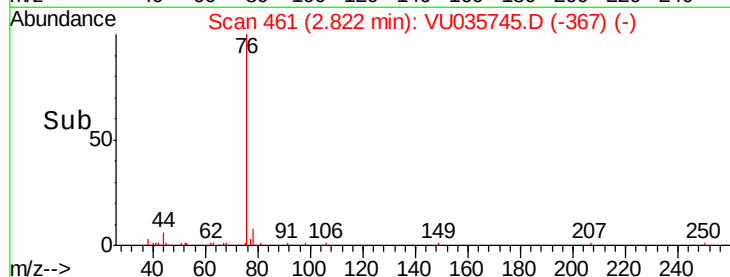
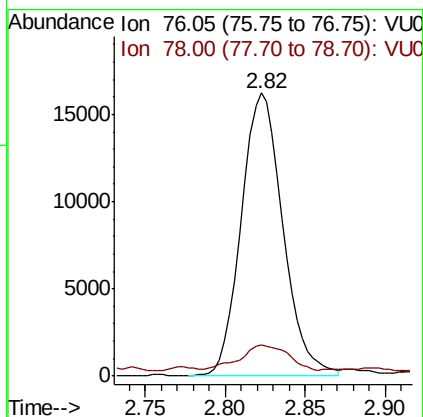
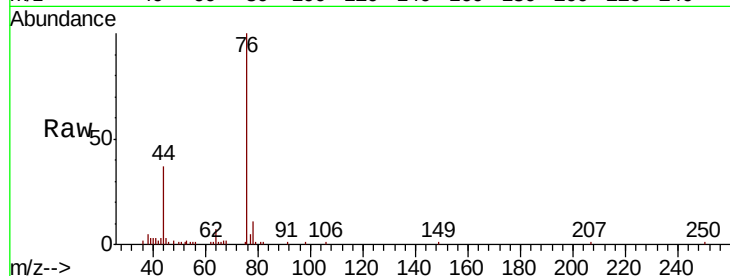
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 28895

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.0



#17

Methyl tert-butyl Ether

Concen: 0.607 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

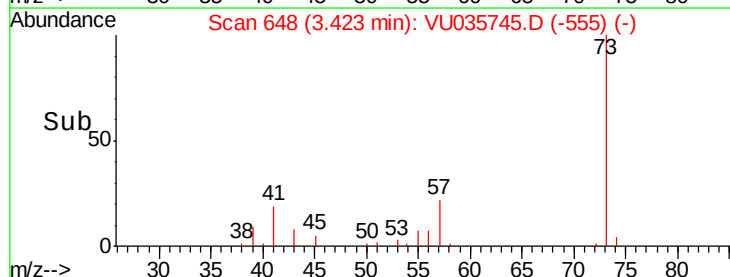
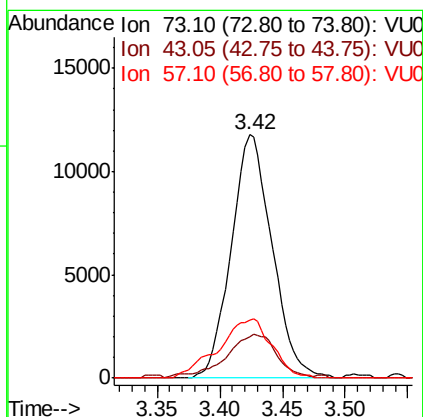
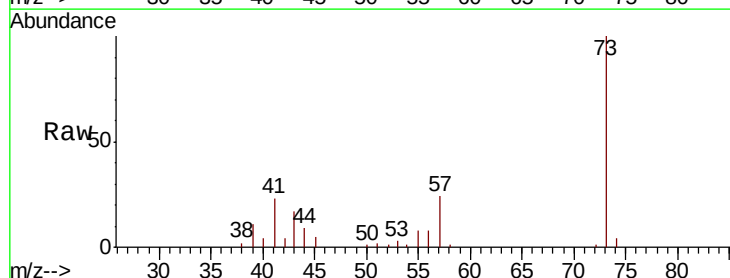
Tgt Ion: 73 Resp: 26708

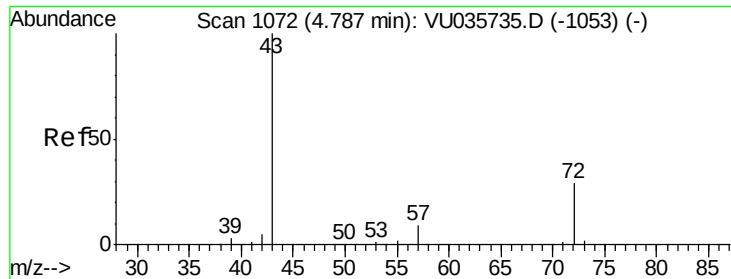
Ion Ratio Lower Upper

73 100

43 21.8 14.4 21.6#

57 31.6 18.2 27.2#





#21

2-Butanone

Concen: 1.446 ug/L

RT: 4.79 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

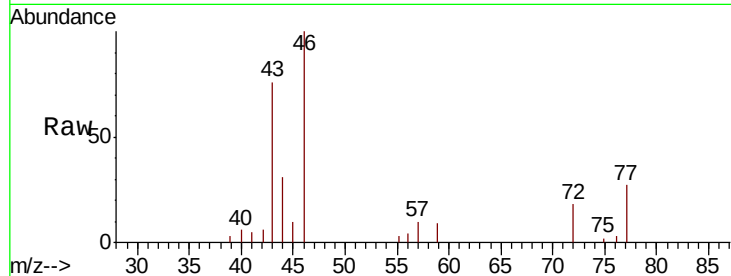
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 7514

Ion Ratio Lower Upper

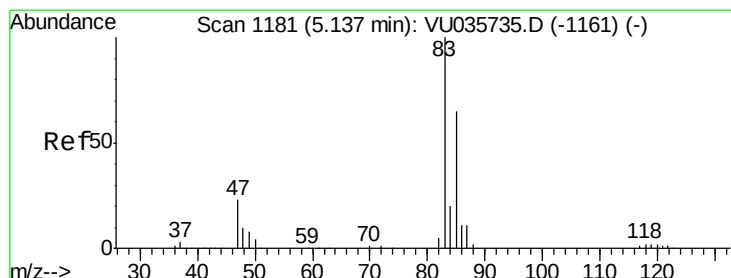
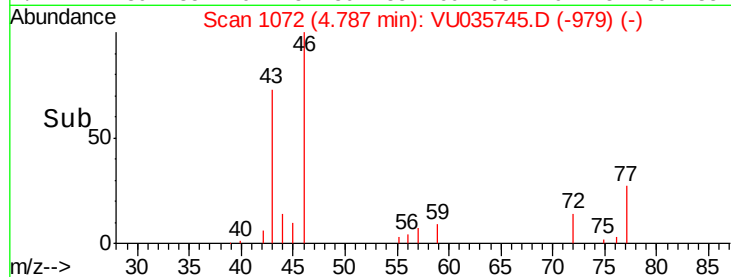
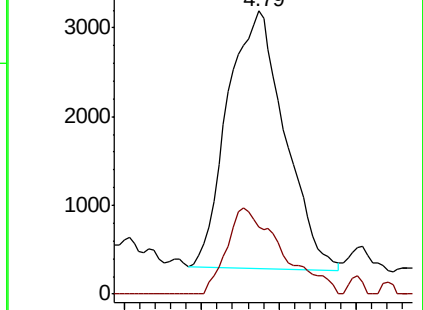
43 100

72 31.9 14.3 42.9



Abundance Ion 43.05 (42.75 to 43.75): VU035745.D (-979) (-)

Ion 72.10 (71.80 to 72.80): VU035745.D (-979) (-)



#25

Chloroform

Concen: 1.107 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035745.D

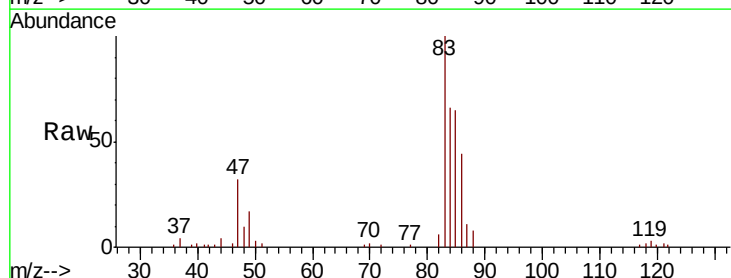
Acq: 18 Nov 2019 15:32

Tgt Ion: 83 Resp: 43240

Ion Ratio Lower Upper

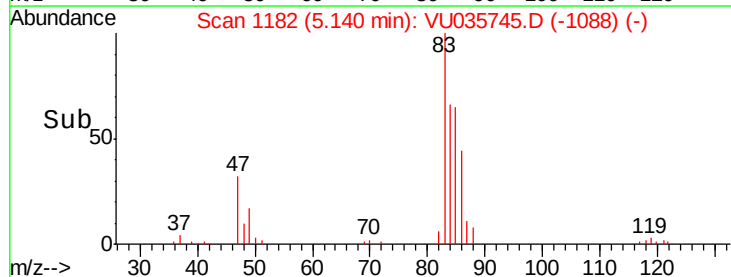
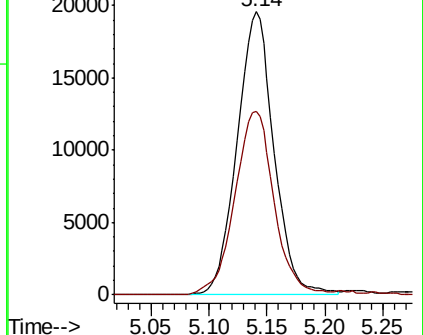
83 100

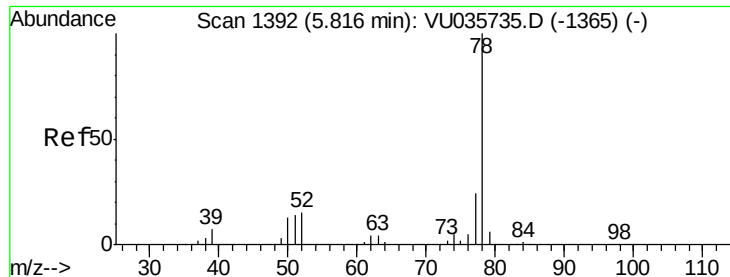
85 64.8 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU035745.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035745.D (-1088) (-)





#33

Benzene

Concen: 0.158 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VU035745.D

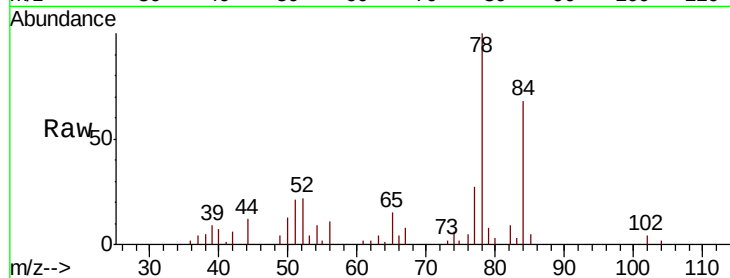
Acq: 18 Nov 2019 15:32

Instrument :

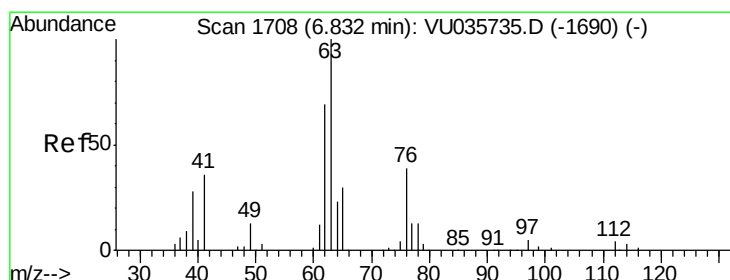
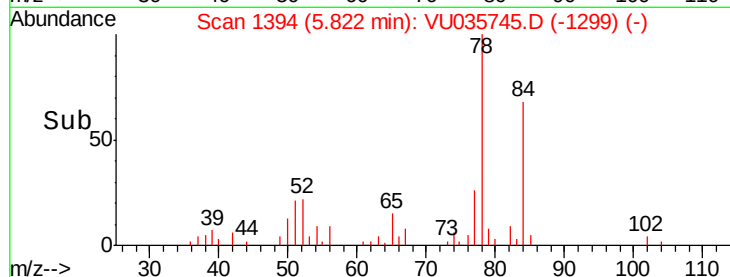
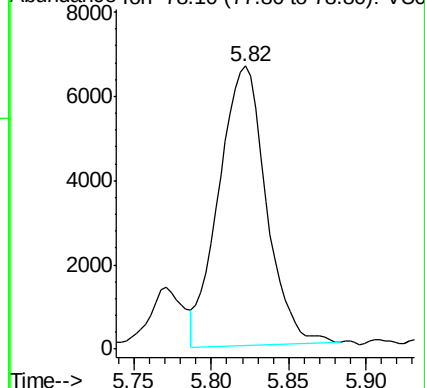
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 14045



Abundance Ion 78.10 (77.80 to 78.80): VU0



#37

1,2-Dichloropropane

Concen: 0.479 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035745.D

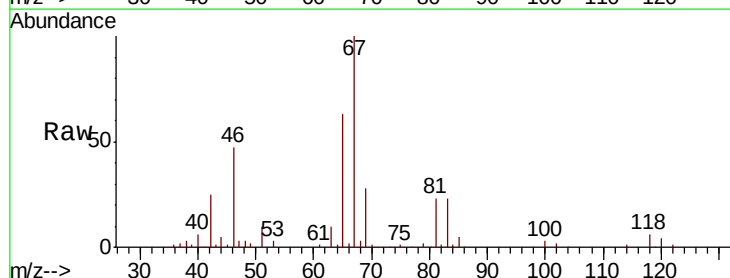
Acq: 18 Nov 2019 15:32

Tgt Ion: 63 Resp: 11202

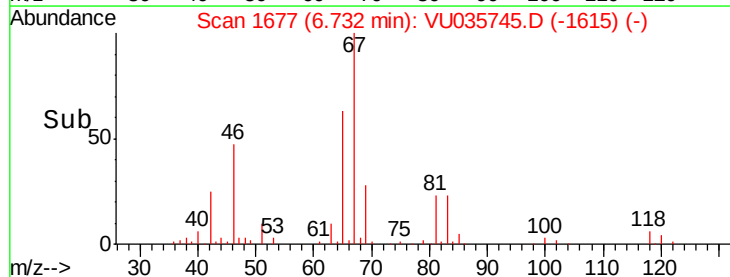
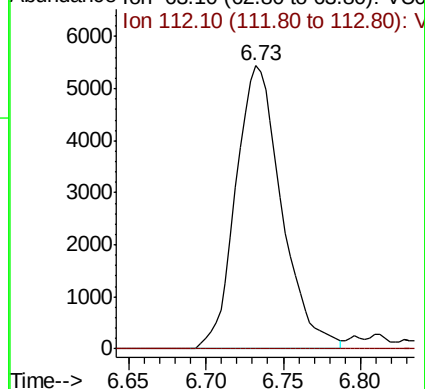
Ion Ratio Lower Upper

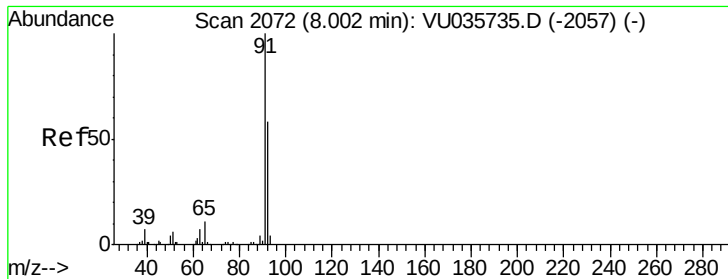
63 100

112 0.2 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0





#42

Toluene

Concen: 0.298 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

Instrument :

MSVOA_U

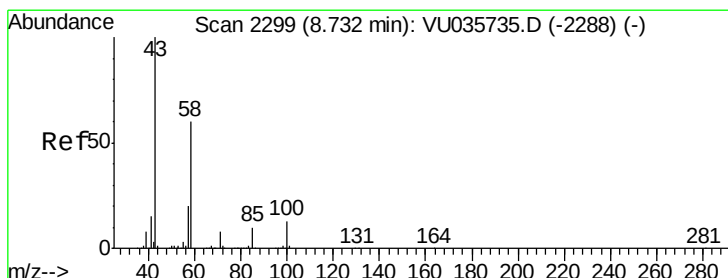
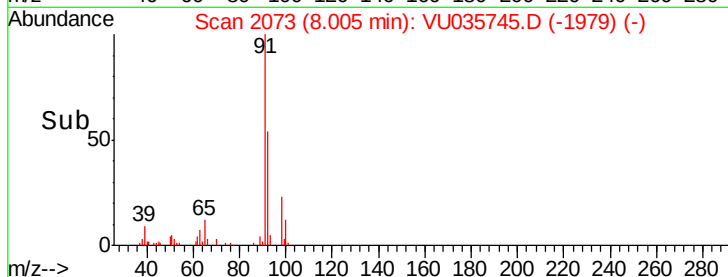
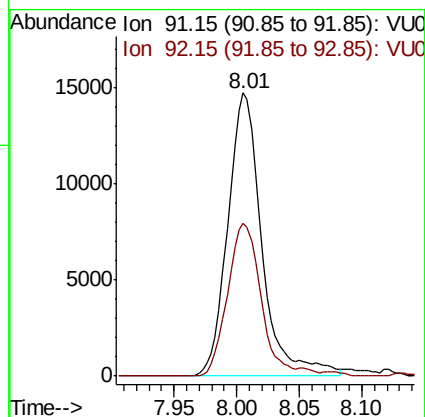
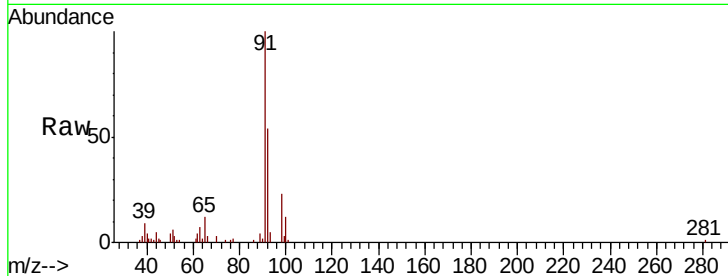
ClientSampleId :

Tot Ion: 91 Resp: 27863

Ion Ratio Lower Upper

91 100

92 54.0 40.5 75.3



#48

2-Hexanone

Concen: 2.703 ug/L

RT: 8.75 min Scan# 2306

Delta R.T. 0.02 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

Tgt Ion: 43 Resp: 25860

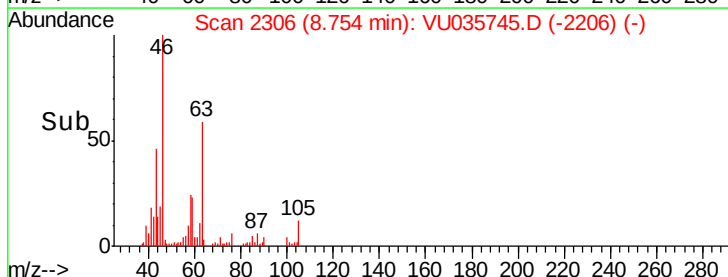
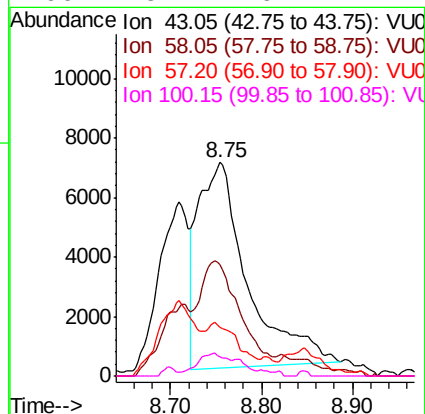
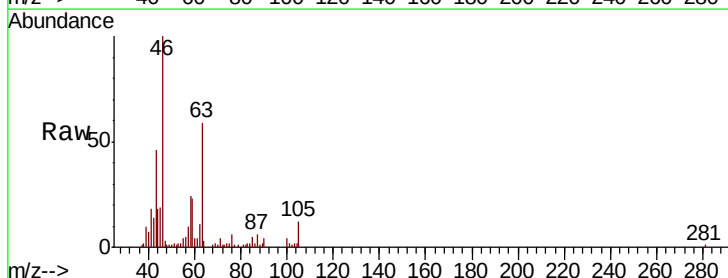
Ion Ratio Lower Upper

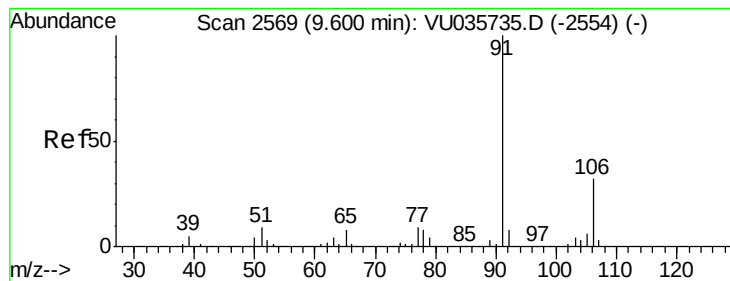
43 100

58 37.4 44.1 66.1#

57 16.6 15.1 22.7

100 5.2 9.4 14.2#





#52

Ethylbenzene

Concen: 0.156 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

Instrument :

MSVOA_U

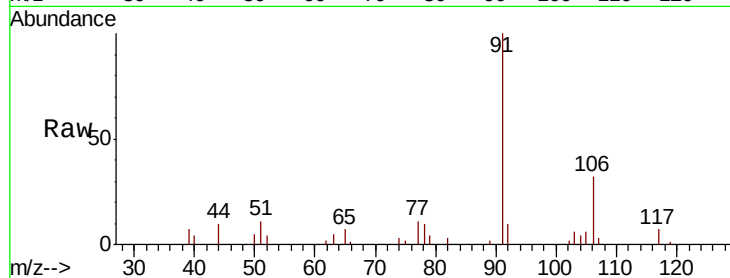
ClientSampleId :

Tot Ion: 91 Resp: 15366

Ion Ratio Lower Upper

91 100

106 32.1 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VU035745.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035745.D (-2554) (-)

9.60

8000

6000

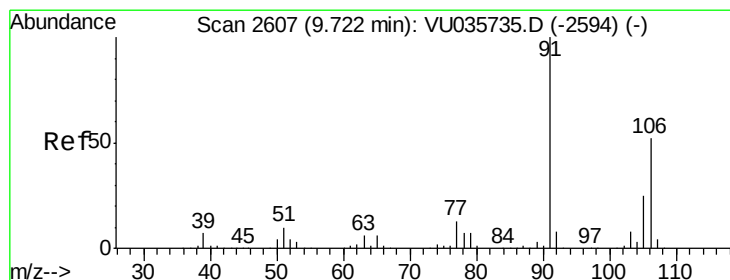
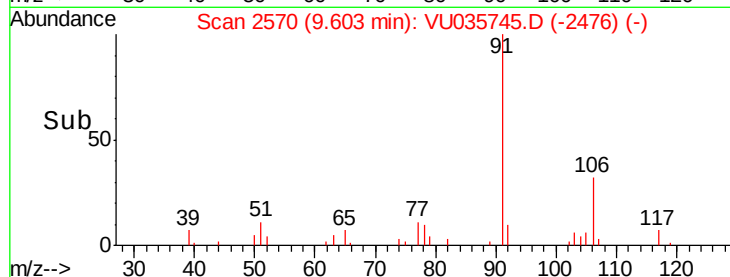
4000

2000

0

9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 0.105 ug/L

RT: 9.73 min Scan# 2609

Delta R.T. 0.01 min

Lab File: VU035745.D

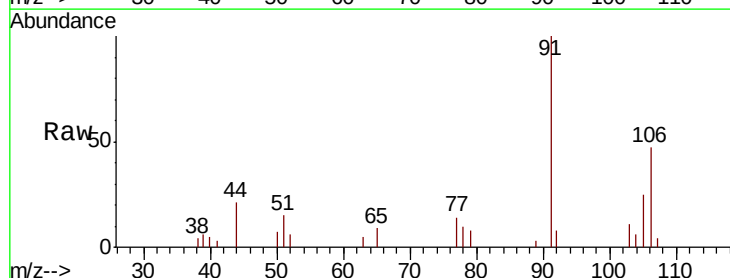
Acq: 18 Nov 2019 15:32

Tgt Ion: 106 Resp: 3930

Ion Ratio Lower Upper

106 100

91 214.2 139.4 259.0



Abundance Ion 106.15 (105.85 to 106.85): VU035745.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU035745.D (-2594) (-)

9.73

4000

3000

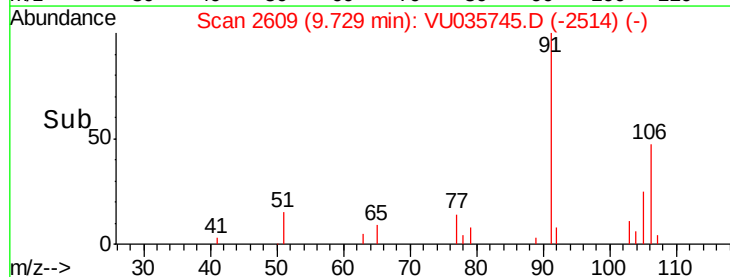
2000

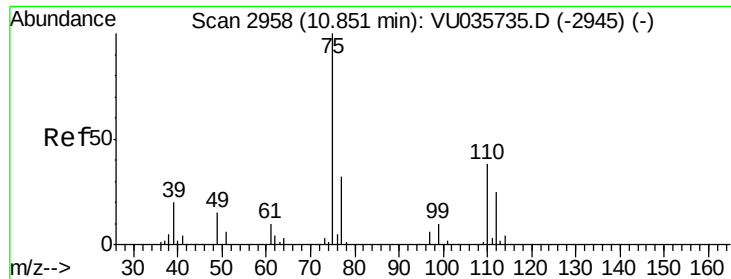
1000

0

9.65 9.70 9.75 9.80

Time-->

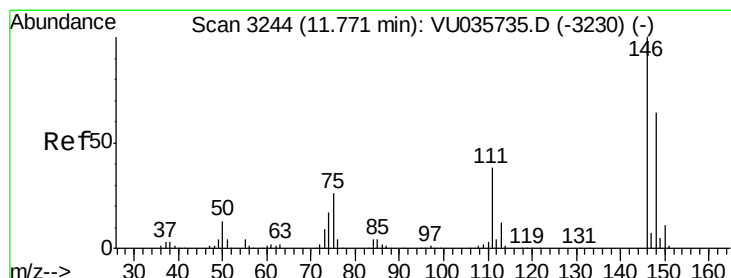
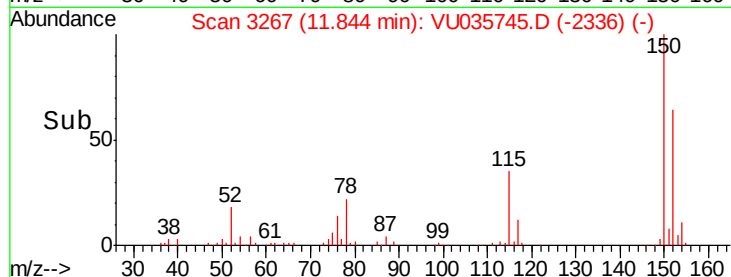
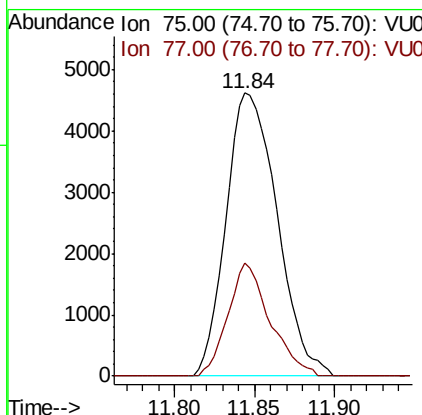
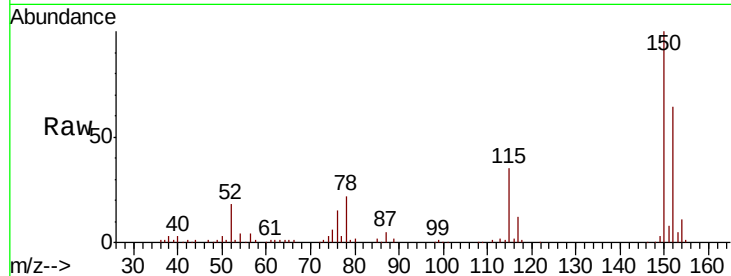




#59
 1,2,3-Trichloropropane
 Concen: 0.651 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035745.D
 Acq: 18 Nov 2019 15:32

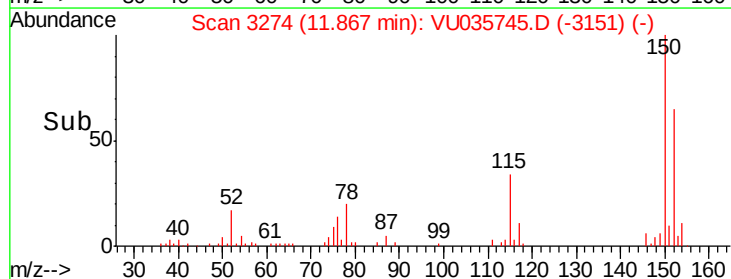
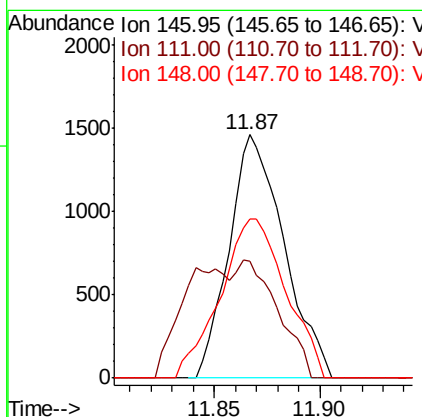
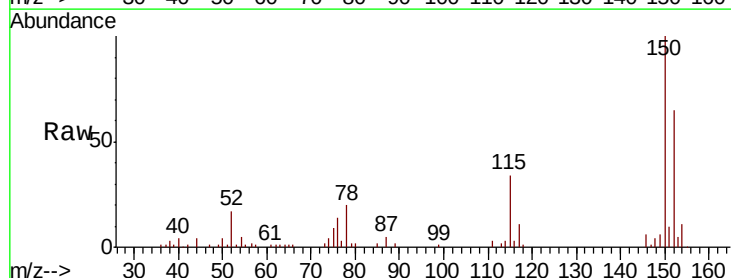
Instrument :
 MSVOA_U
 ClientSampled :

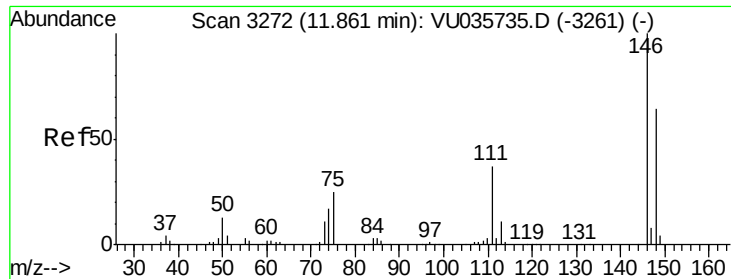
Tot Ion: 75 Resp: 10078
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.8 40.2



#62
 1,3-Dichlorobenzene
 Concen: 0.088 ug/L
 RT: 11.87 min Scan# 3274
 Delta R.T. 0.10 min
 Lab File: VU035745.D
 Acq: 18 Nov 2019 15:32

Tgt Ion: 146 Resp: 2636
 Ion Ratio Lower Upper
 146 100
 111 47.8 26.7 49.5
 148 65.6 44.5 82.7

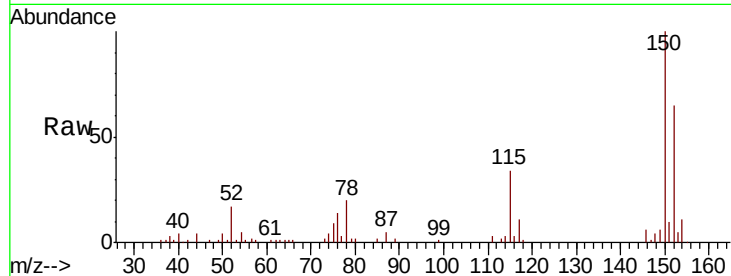




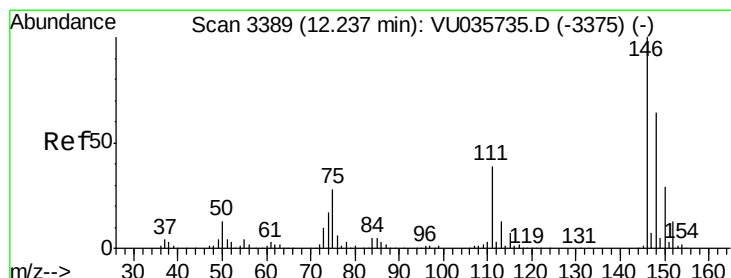
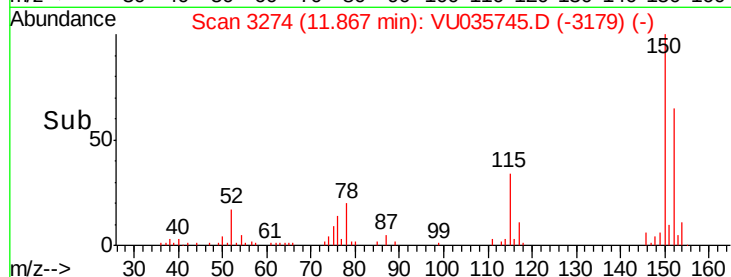
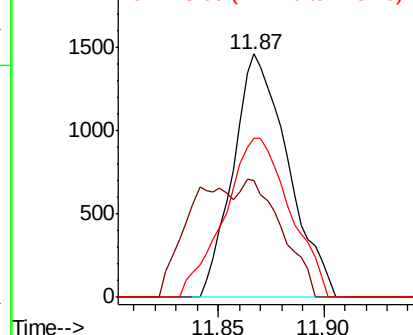
#63
 1,4-Dichlorobenzene
 Concen: 0.092 ug/L
 RT: 11.87 min Scan# 3274
 Delta R.T. 0.01 min
 Lab File: VU035745.D
 Acq: 18 Nov 2019 15:32

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 2636
 Ion Ratio Lower Upper
 146 100
 111 47.8 25.9 48.1
 148 65.6 44.1 81.9

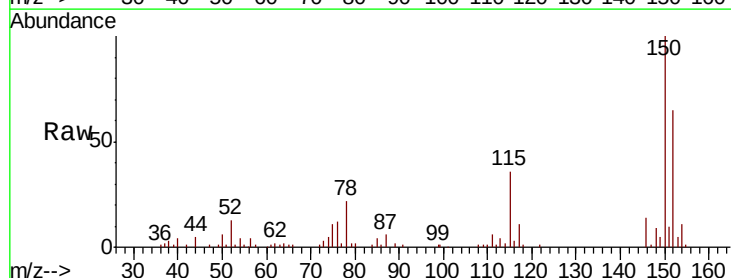


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

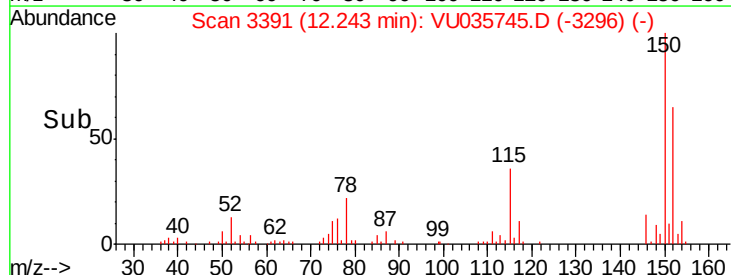
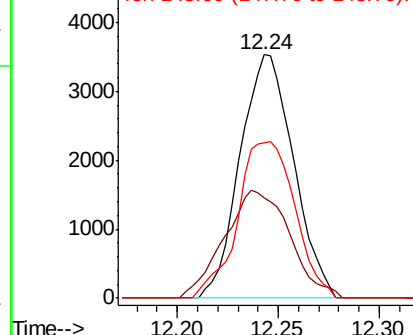


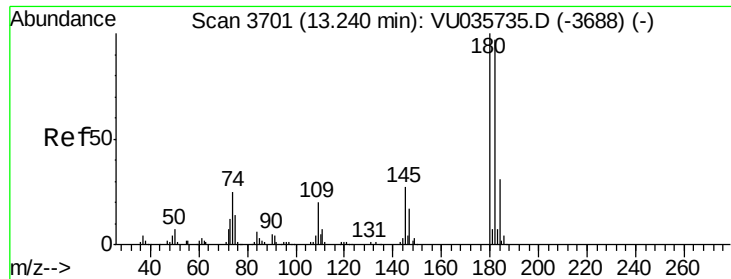
#65
 1,2-Dichlorobenzene
 Concen: 0.234 ug/L
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: VU035745.D
 Acq: 18 Nov 2019 15:32

Tgt Ion:146 Resp: 6546
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.2 48.4
 148 64.0 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#67

1,3,5-Trichlorobenzene

Concen: 0.171 ug/L

RT: 13.25 min Scan# 3704

Delta R.T. 0.01 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 3278

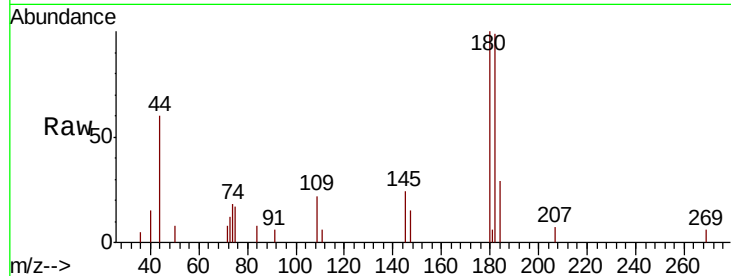
Ion Ratio Lower Upper

180 100

182 99.2 75.9 113.9

184 28.7 24.1 36.1

145 24.4 21.5 32.3

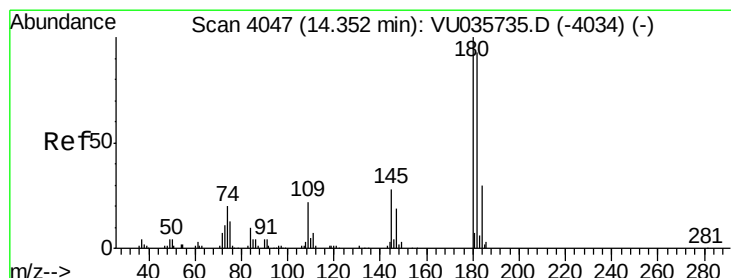
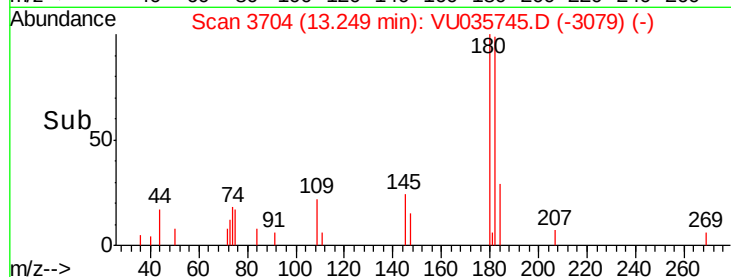
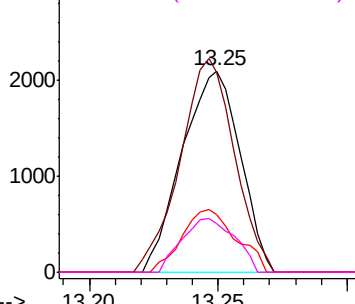


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.582 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035745.D

Acq: 18 Nov 2019 15:32

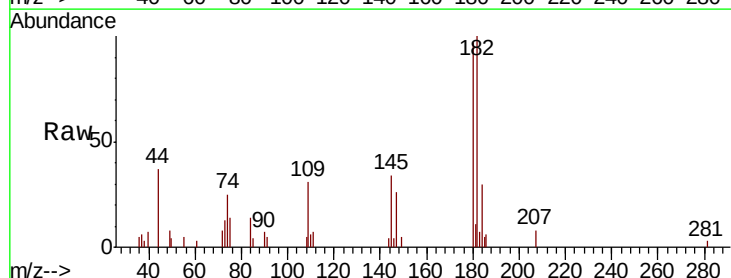
Tgt Ion:180 Resp: 6510

Ion Ratio Lower Upper

180 100

182 100.0 74.8 112.2

145 33.6 23.6 35.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

