

Data File : VU036243.D
Acq On : 16 Dec 2019 18:56
Operator : JC/MD
Sample : K6275-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDS5

Quant Time: Dec 17 01:25:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 01:19:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	246237	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	265166	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	93276	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	80108	3.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.80%
7) Chloroethane-d5	1.93	69	79158	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.59	63	85150	2.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.40%#
20) 2-Butanone-d5	4.68	46	191677	47.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.36%
24) Chloroform-d	5.11	84	150086	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.75	65	81307	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.77	84	272586	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
36) 1,2-Dichloropropane-d6	6.73	67	90716	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.93	98	226869	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.40%
43) trans-1,3-Dichloropropene-	8.21	79	33201	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.68	63	146999	44.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.98%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	86382	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	79543	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

						Qvalue
8) Chloroethane	2.02	64	1773	0.091	ug/L #	51
12) 1,1-Dichloroethene	2.60	96	1266	0.069	ug/L #	1
13) Acetone	2.66	43	21940	6.197	ug/L	91
14) Carbon disulfide	2.83	76	81320	1.327	ug/L	98
15) Methyl Acetate	2.99	43	4397	0.615	ug/L #	50
17) Methyl tert-butyl Ether	3.41	73	77170	1.971	ug/L #	90
18) trans-1,2-Dichloroethene	3.40	96	5109	0.267	ug/L	94
21) 2-Butanone	4.76	43	6862	1.450	ug/L	81
22) cis-1,2-Dichloroethene	4.72	96	23922	1.166	ug/L	98
33) Benzene	5.82	78	15391	0.189	ug/L	100
34) Trichloroethene	6.58	95	64116	3.052	ug/L	97
37) 1,2-Dichloropropane	6.73	63	9922	0.477	ug/L #	85
39) cis-1,3-Dichloropropene	7.60	75	2559	0.090	ug/L #	78
42) Toluene	8.01	91	12610	0.144	ug/L	92
48) 2-Hexanone	8.73	43	7444	0.917	ug/L #	82
59) 1,2,3-Trichloropropane	11.84	75	9938	0.719	ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121619\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Dec 17 01:19:57 2019
Response via : Initial Calibration

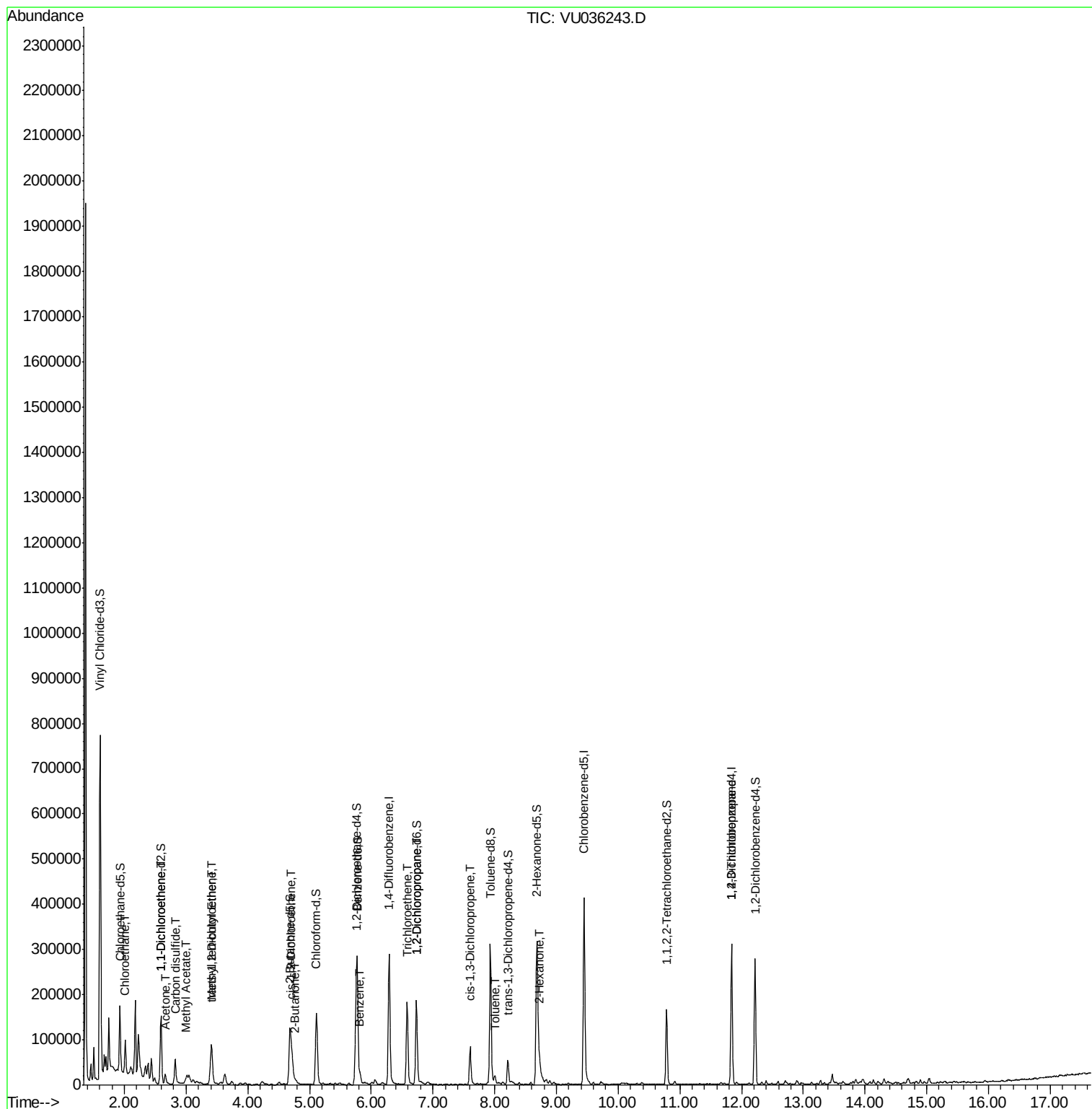
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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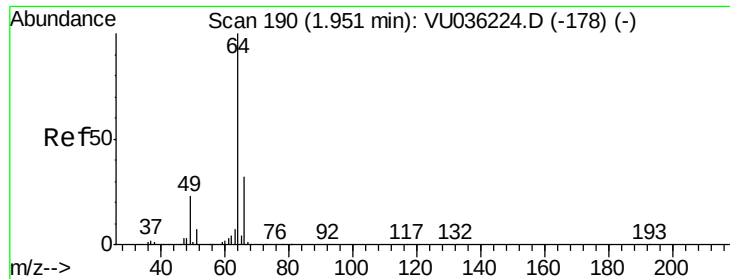
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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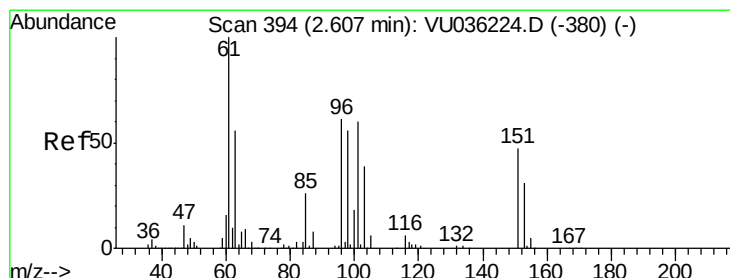
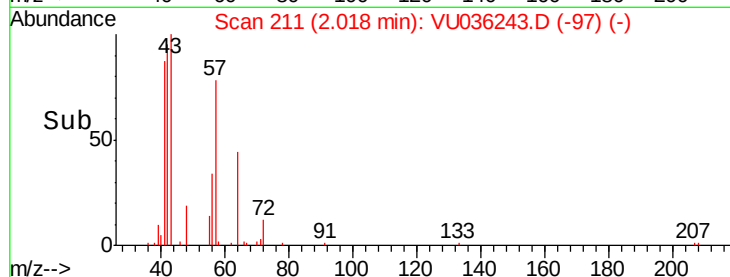
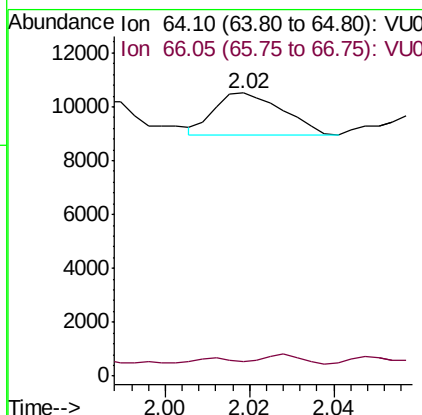
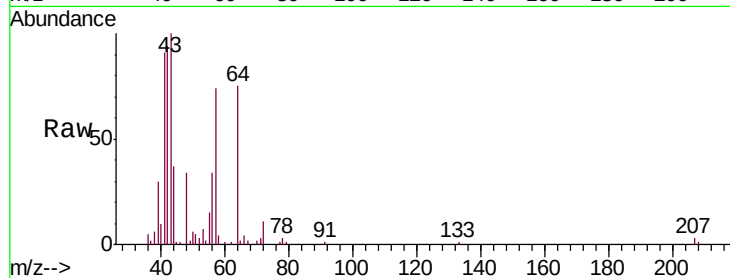




#8
Chloroethane
Concen: 0.091 ug/L
RT: 2.02 min Scan# 211
Delta R.T. 0.07 min
Lab File: VU036243.D
Acq: 16 Dec 2019 18:56

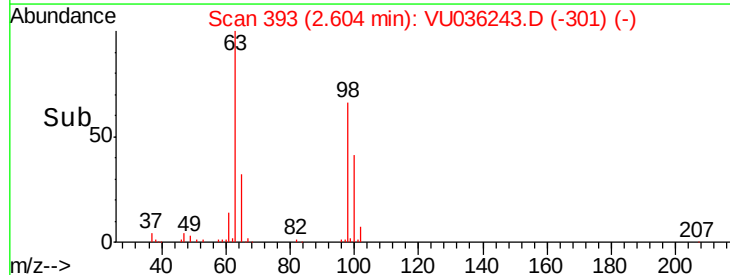
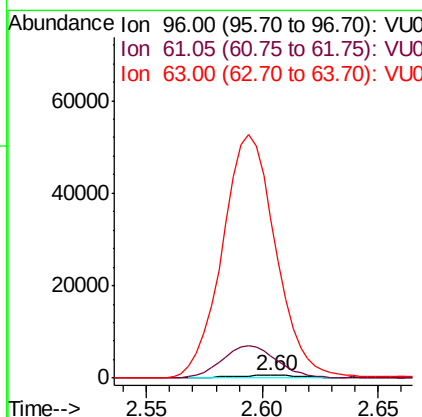
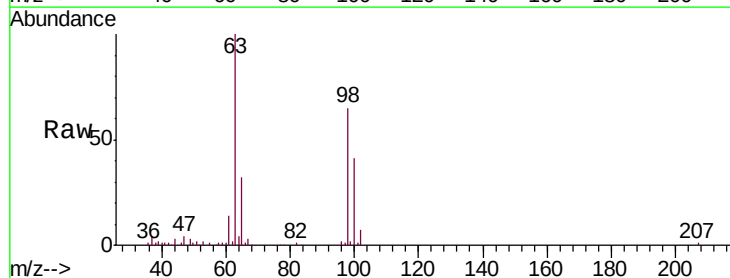
Instrument :
MSVOA_U
ClientSampleId :
BFDS5

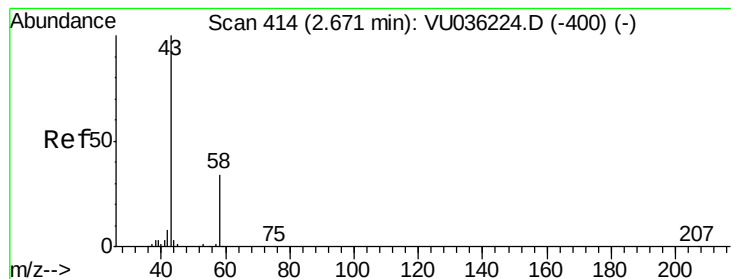
Tgt Ion: 64 Resp: 1773
Ion Ratio Lower Upper
64 100
66 5.1 23.1 42.9#



#12
1,1-Dichloroethene
Concen: 0.069 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU036243.D
Acq: 16 Dec 2019 18:56

Tgt Ion: 96 Resp: 1266
Ion Ratio Lower Upper
96 100
61 789.6 114.0 211.8#
63 5578.2 63.6 118.0#





#13

Acetone

Concen: 6.197 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU036243.D

Acq: 16 Dec 2019 18:56

Instrument :

MSVOA_U

ClientSampleId :

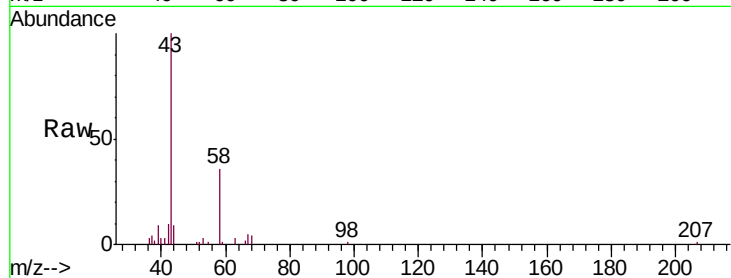
BFDS5

Tgt Ion: 43 Resp: 21940

Ion Ratio Lower Upper

43 100

58 38.8 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036224.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036224.D (-400) (-)

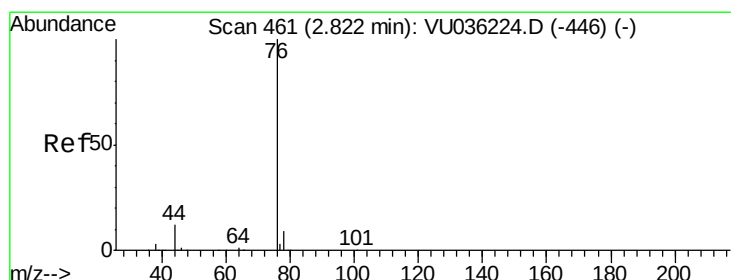
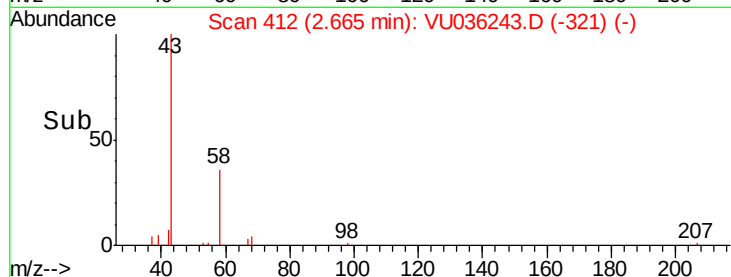
2.66

10000

5000

0

Time--> 2.60 2.65 2.70



#14

Carbon disulfide

Concen: 1.327 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036243.D

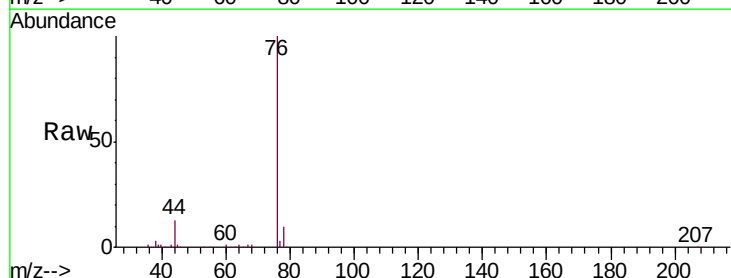
Acq: 16 Dec 2019 18:56

Tgt Ion: 76 Resp: 81320

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036224.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036224.D (-446) (-)

2.83

40000

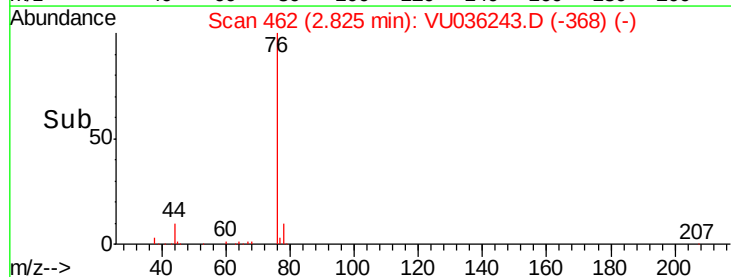
30000

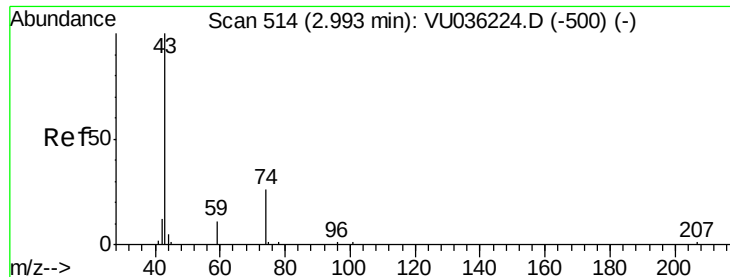
20000

10000

0

Time--> 2.75 2.80 2.85 2.90

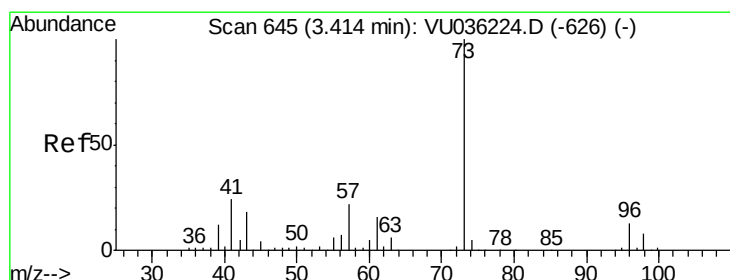
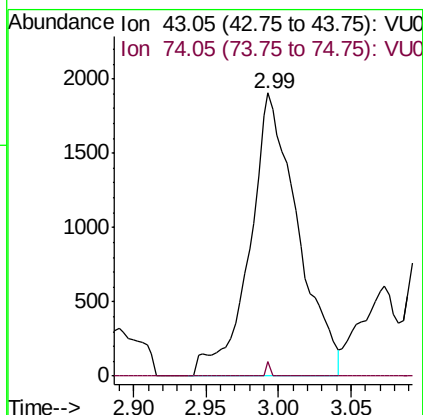
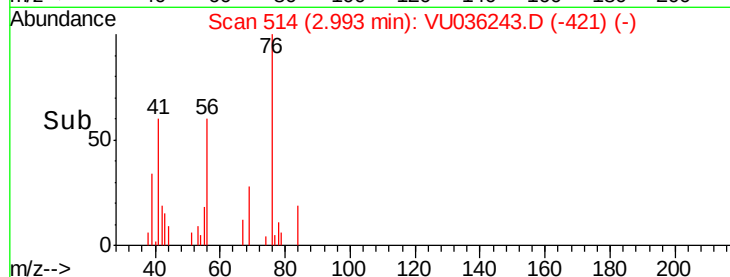
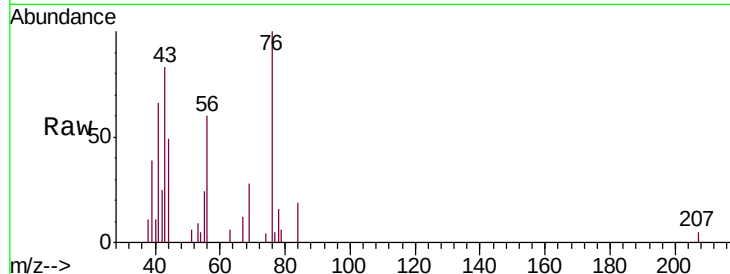




#15
Methyl Acetate
Concen: 0.615 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU036243.D
Acq: 16 Dec 2019 18:56

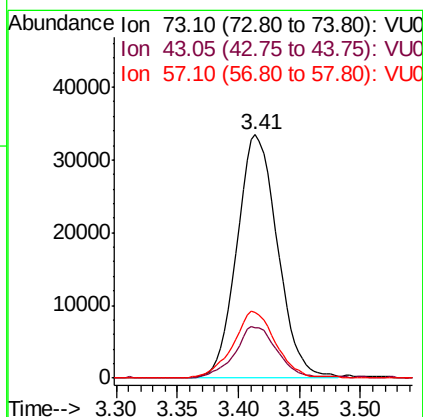
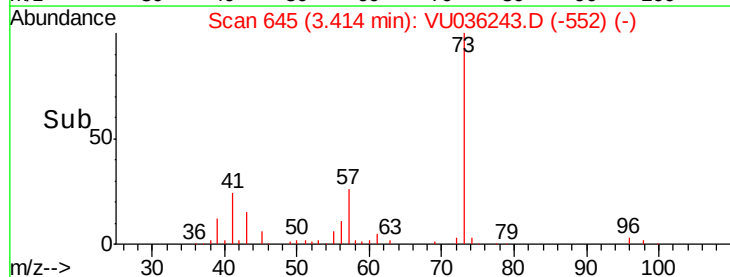
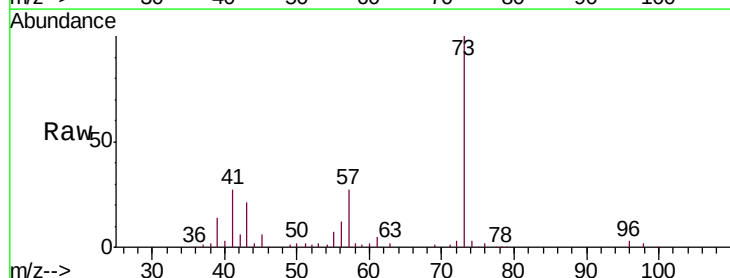
Instrument :
MSVOA_U
ClientSampleId :
BFDS5

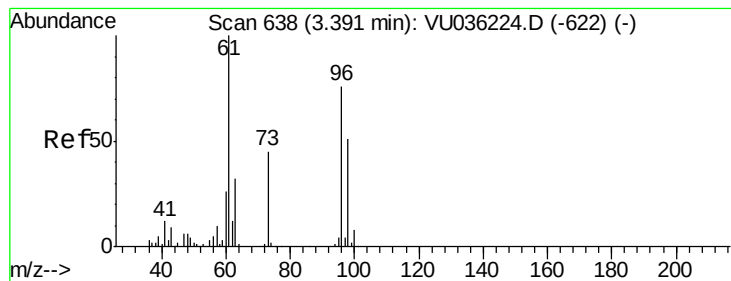
Tgt Ion: 43 Resp: 4397
Ion Ratio Lower Upper
43 100
74 0.4 20.8 31.2#



#17
Methyl tert-butyl Ether
Concen: 1.971 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036243.D
Acq: 16 Dec 2019 18:56

Tgt Ion: 73 Resp: 77170
Ion Ratio Lower Upper
73 100
43 22.1 15.3 22.9
57 28.6 18.2 27.2#





#18

trans-1,2-Dichloroethene

Concen: 0.267 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.01 min

Lab File: VU036243.D

Acq: 16 Dec 2019 18:56

Instrument :

MSVOA_U

ClientSampled :

BFDS5

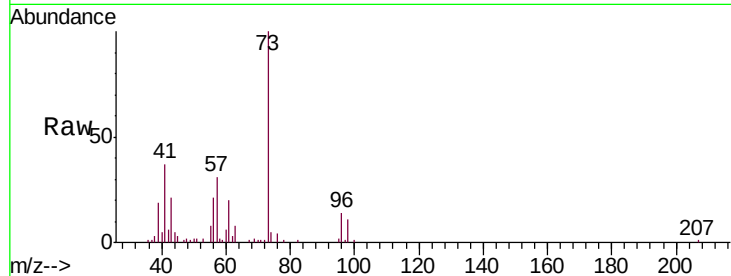
Tgt Ion: 96 Resp: 5109

Ion Ratio Lower Upper

96 100

61 138.0 94.8 176.2

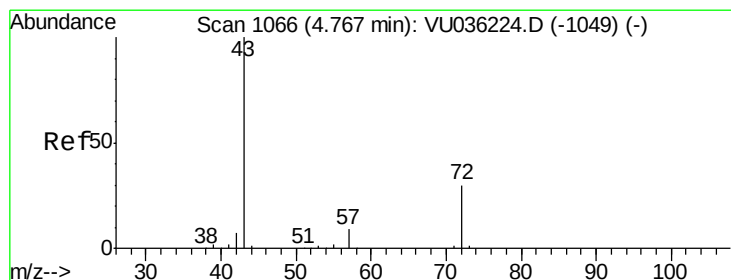
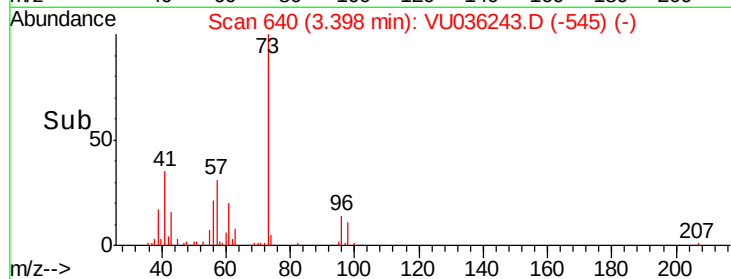
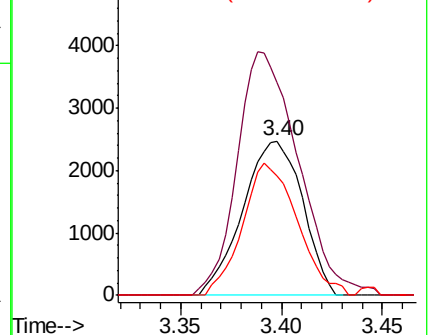
98 77.7 46.8 86.8



Abundance Ion 96.00 (95.70 to 96.70): VU036224.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU036224.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU036224.D (-622) (-)



#21

2-Butanone

Concen: 1.450 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VU036243.D

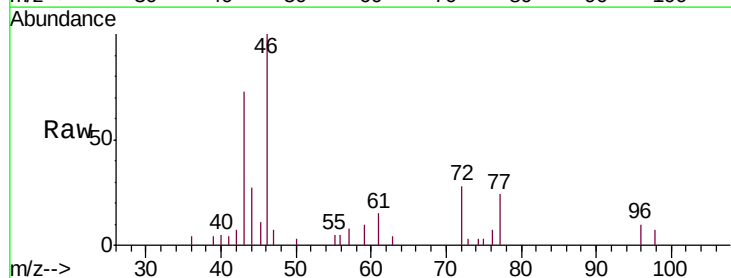
Acq: 16 Dec 2019 18:56

Tgt Ion: 43 Resp: 6862

Ion Ratio Lower Upper

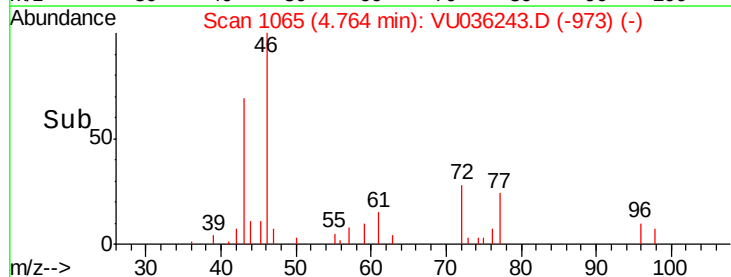
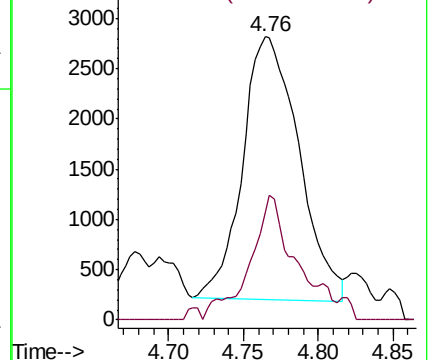
43 100

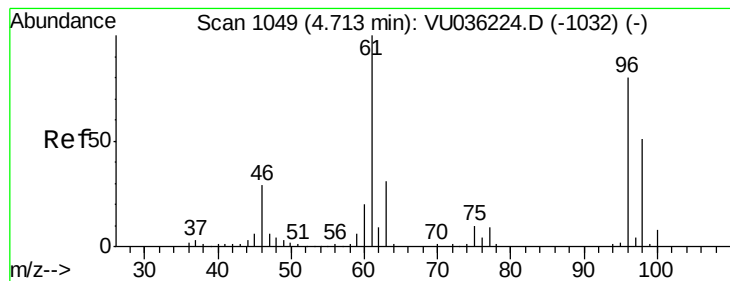
72 39.0 14.4 43.4



Abundance Ion 43.05 (42.75 to 43.75): VU036224.D (-1049) (-)

Ion 72.10 (71.80 to 72.80): VU036224.D (-1049) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.166 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036243.D

Acq: 16 Dec 2019 18:56

Instrument :

MSVOA_U

ClientSampleId :

BFDS5

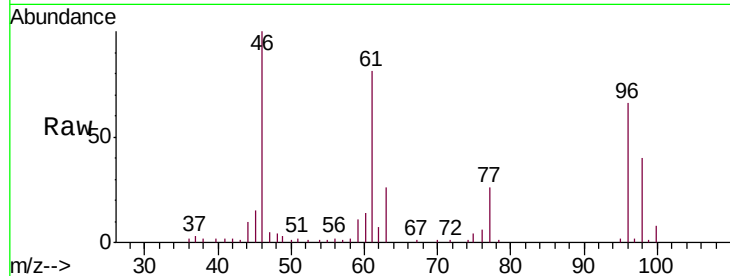
Tgt Ion: 96 Resp: 23922

Ion Ratio Lower Upper

96 100

61 121.9 86.7 161.1

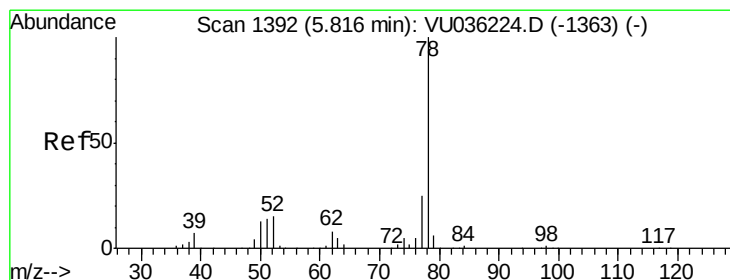
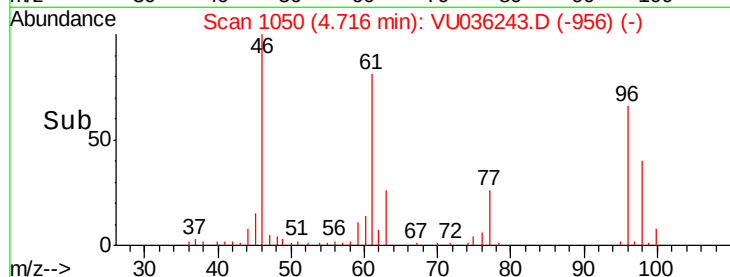
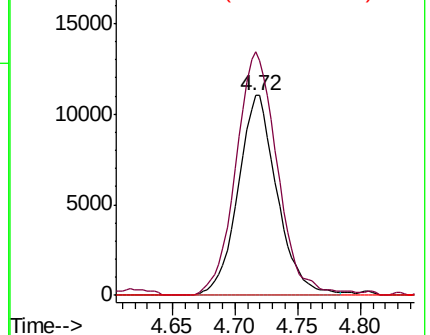
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036224.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU036224.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU036224.D (-1032) (-)



#33

Benzene

Concen: 0.189 ug/L

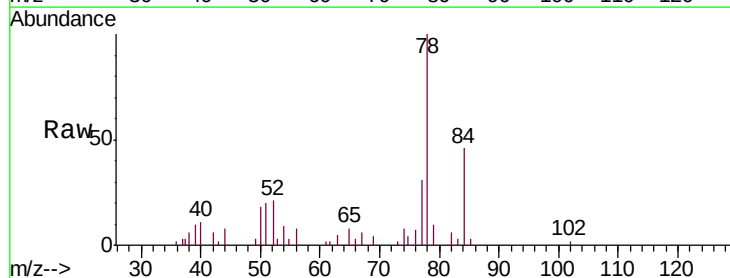
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

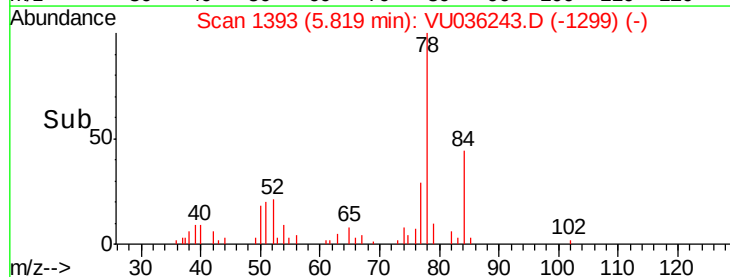
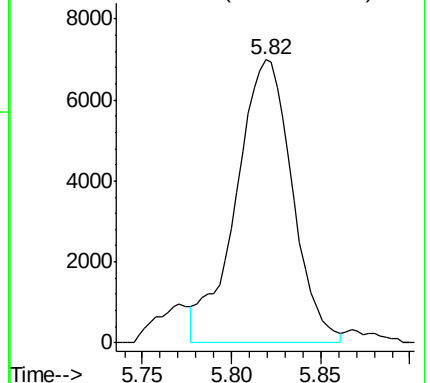
Lab File: VU036243.D

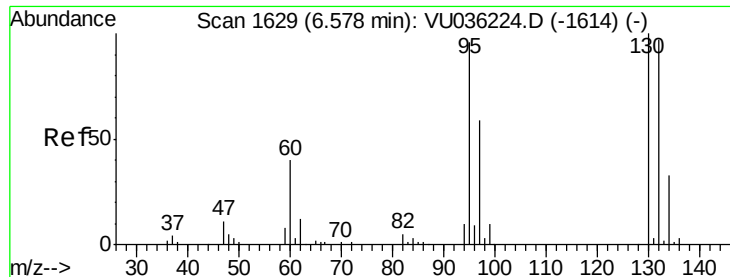
Acq: 16 Dec 2019 18:56

Tgt Ion: 78 Resp: 15391



Abundance Ion 78.10 (77.80 to 78.80): VU036224.D (-1363) (-)





#34

Trichloroethene

Concen: 3.052 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036243.D

Acq: 16 Dec 2019 18:56

Instrument :

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Tgt Ion: 95 Resp: 64116

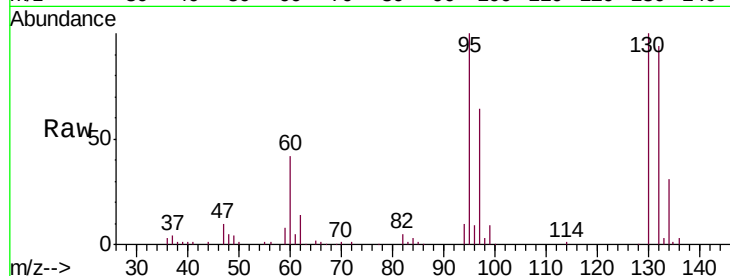
Ion Ratio Lower Upper

95 100

97 64.4 43.6 81.0

132 94.5 69.6 129.2

130 99.6 70.3 130.7



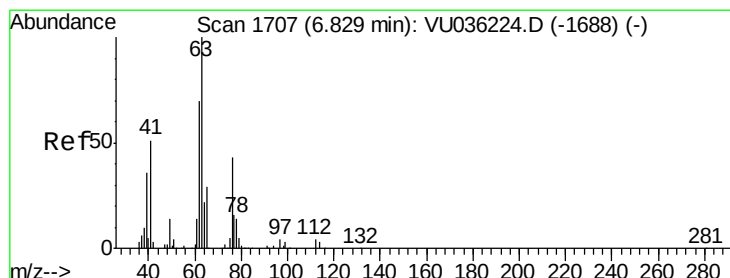
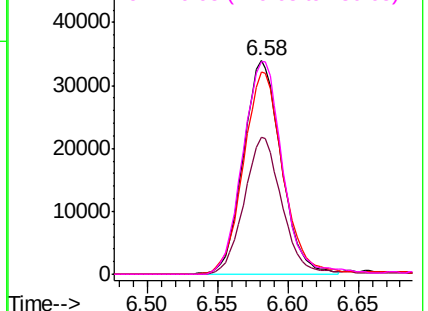
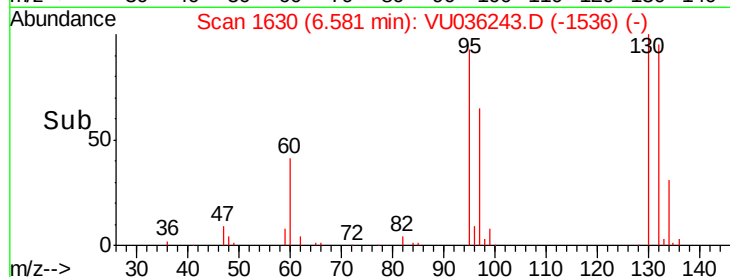
Abundance

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



#37

1,2-Dichloropropane

Concen: 0.477 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036243.D

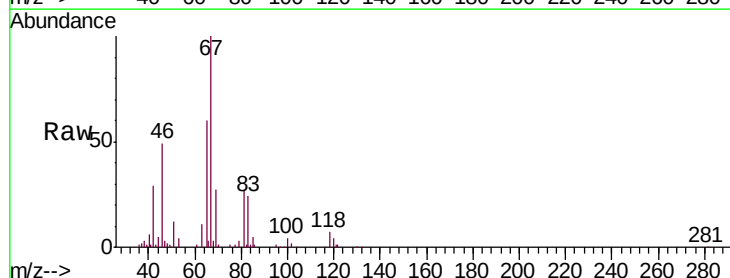
Acq: 16 Dec 2019 18:56

Tgt Ion: 63 Resp: 9922

Ion Ratio Lower Upper

63 100

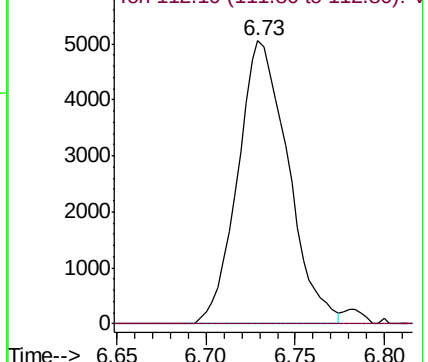
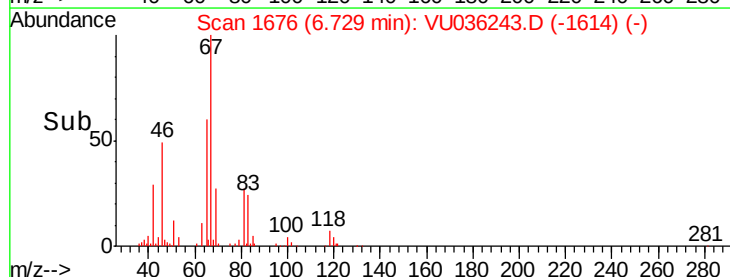
112 0.0 3.8 5.8#

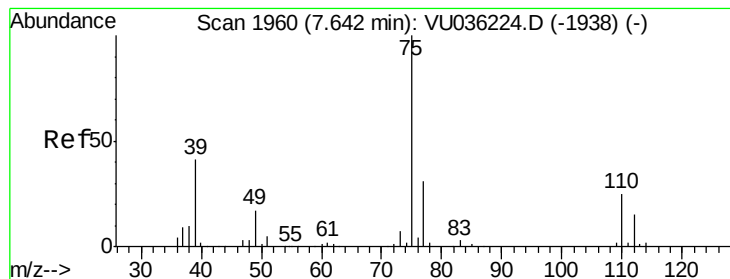


Abundance

Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU036243.D

Acq: 16 Dec 2019 18:56

Instrument :

MSVOA_U

ClientSampleId :

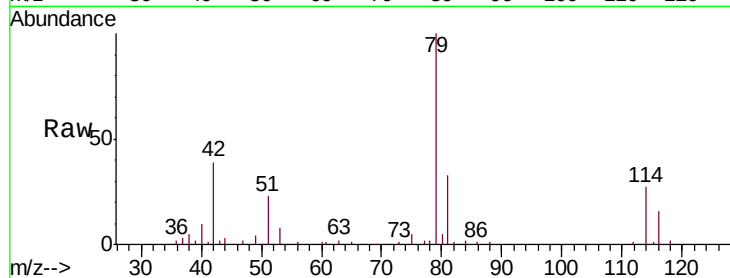
BFDS5

Tgt Ion: 75 Resp: 2559

Ion Ratio Lower Upper

75 100

77 44.5 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036224.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU036224.D (-1938) (-)

7.60

1500

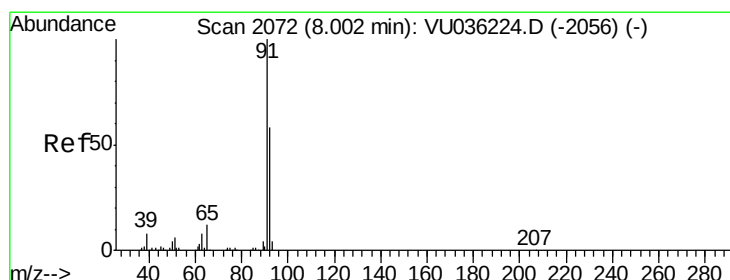
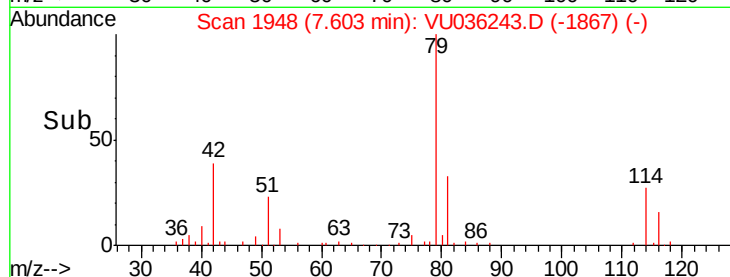
1000

500

0

7.55 7.60 7.65

Time-->



#42

Toluene

Concen: 0.144 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU036243.D

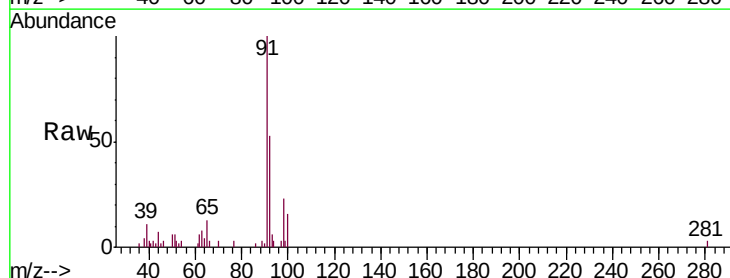
Acq: 16 Dec 2019 18:56

Tgt Ion: 91 Resp: 12610

Ion Ratio Lower Upper

91 100

92 53.0 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036224.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036224.D (-2056) (-)

8.01

8000

6000

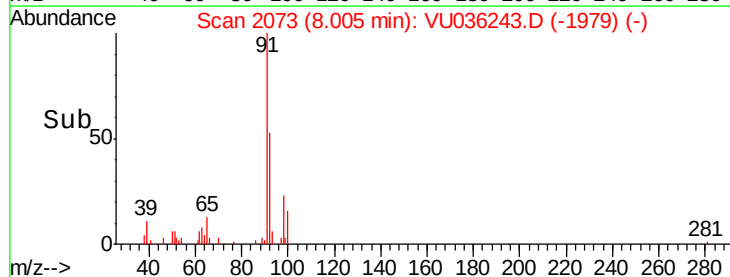
4000

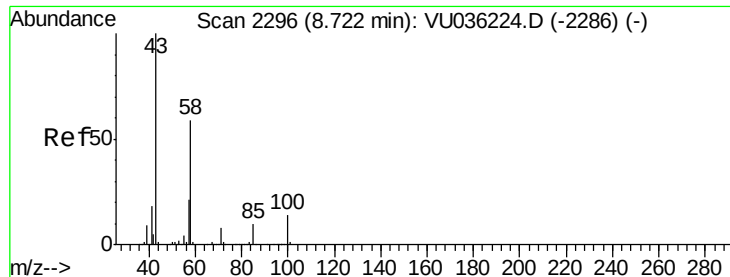
2000

0

7.95 8.00 8.05

Time-->

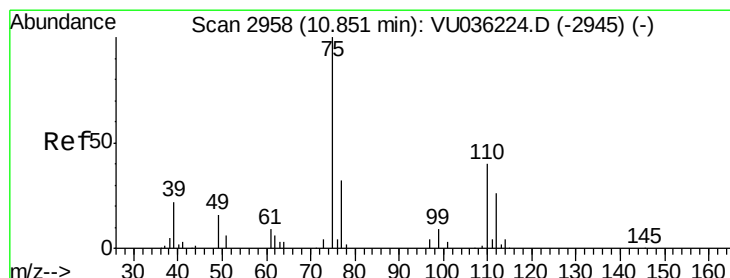
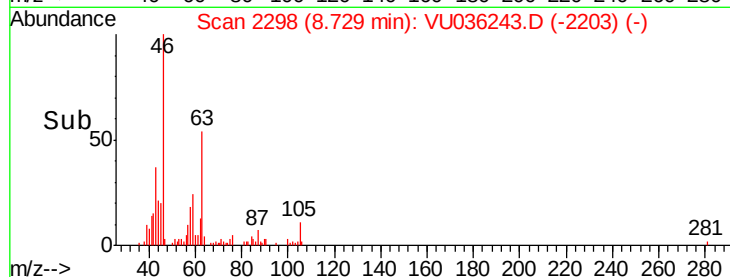
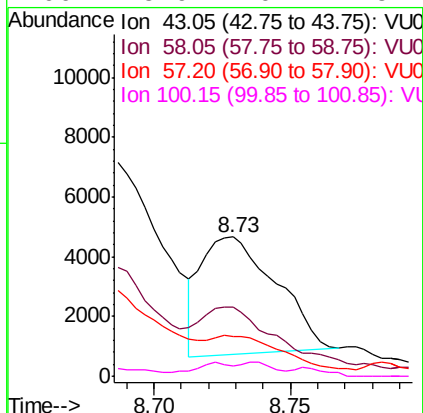
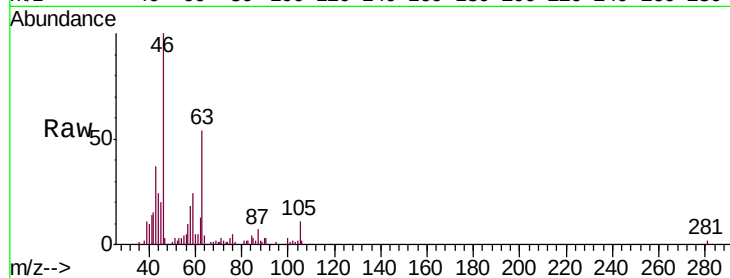




#48
 2-Hexanone
 Concen: 0.917 ug/L
 RT: 8.73 min Scan# 2298
 Delta R.T. 0.01 min
 Lab File: VU036243.D
 Acq: 16 Dec 2019 18:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDS5

Tgt Ion: 43 Resp: 7444
 Ion Ratio Lower Upper
 43 100
 58 67.1 46.2 69.2
 57 35.1 16.2 24.4#
 100 5.9 10.2 15.4#



#59
 1,2,3-Trichloropropane
 Concen: 0.719 ug/L
 RT: 11.84 min Scan# 3265
 Delta R.T. 0.99 min
 Lab File: VU036243.D
 Acq: 16 Dec 2019 18:56

Tgt Ion: 75 Resp: 9938
 Ion Ratio Lower Upper
 75 100
 77 39.0 27.2 40.8

