

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121219\
 Data File : VU036182.D
 Acq On : 13 Dec 2019 05:17
 Operator : JC/MD
 Sample : K6240-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQT9

Quant Time: Dec 13 05:58:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 13 04:38:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	263624	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	290722	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	118733	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108170	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.93	69	101052	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.59	63	110763	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.70	46	217698	50.72	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.44%
24) Chloroform-d	5.11	84	175080	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.75	65	92894	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.77	84	319058	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	6.73	67	104596	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.93	98	257099	3.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.60%
43) trans-1,3-Dichloropropene-	8.21	79	34545	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	8.67	63	159379	42.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.78%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	95635	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	105969	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	54675	1.553	ug/L	99
8) Chloroethane	1.95	64	28565	1.318	ug/L	90
13) Acetone	2.68	43	88425	23.682	ug/L	99
15) Methyl Acetate	3.00	43	6796	0.854	ug/L	94
16) Methylene chloride	3.08	84	6706	0.241	ug/L	96
19) 1,1-Dichloroethane	3.92	63	92630	2.443	ug/L	99
21) 2-Butanone	4.78	43	9571	1.923	ug/L	84
22) cis-1,2-Dichloroethene	4.72	96	60063	2.831	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	23594	0.662	ug/L	99
33) Benzene	5.82	78	104345	1.167	ug/L	100
34) Trichloroethene	6.58	95	8202	0.359	ug/L	96
42) Toluene	8.00	91	46028	0.486	ug/L	98
51) Chlorobenzene	9.48	112	12340	0.200	ug/L	95
52) Ethylbenzene	9.60	91	8544	0.093	ug/L	95
53) m,p-Xylene	9.72	106	8240	0.228	ug/L	89
54) o-Xylene	10.12	106	6305	0.182	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	5731	0.150	ug/L #	76

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QLast Update : Fri Dec 13 04:38:02 2019
Response via : Initial Calibration

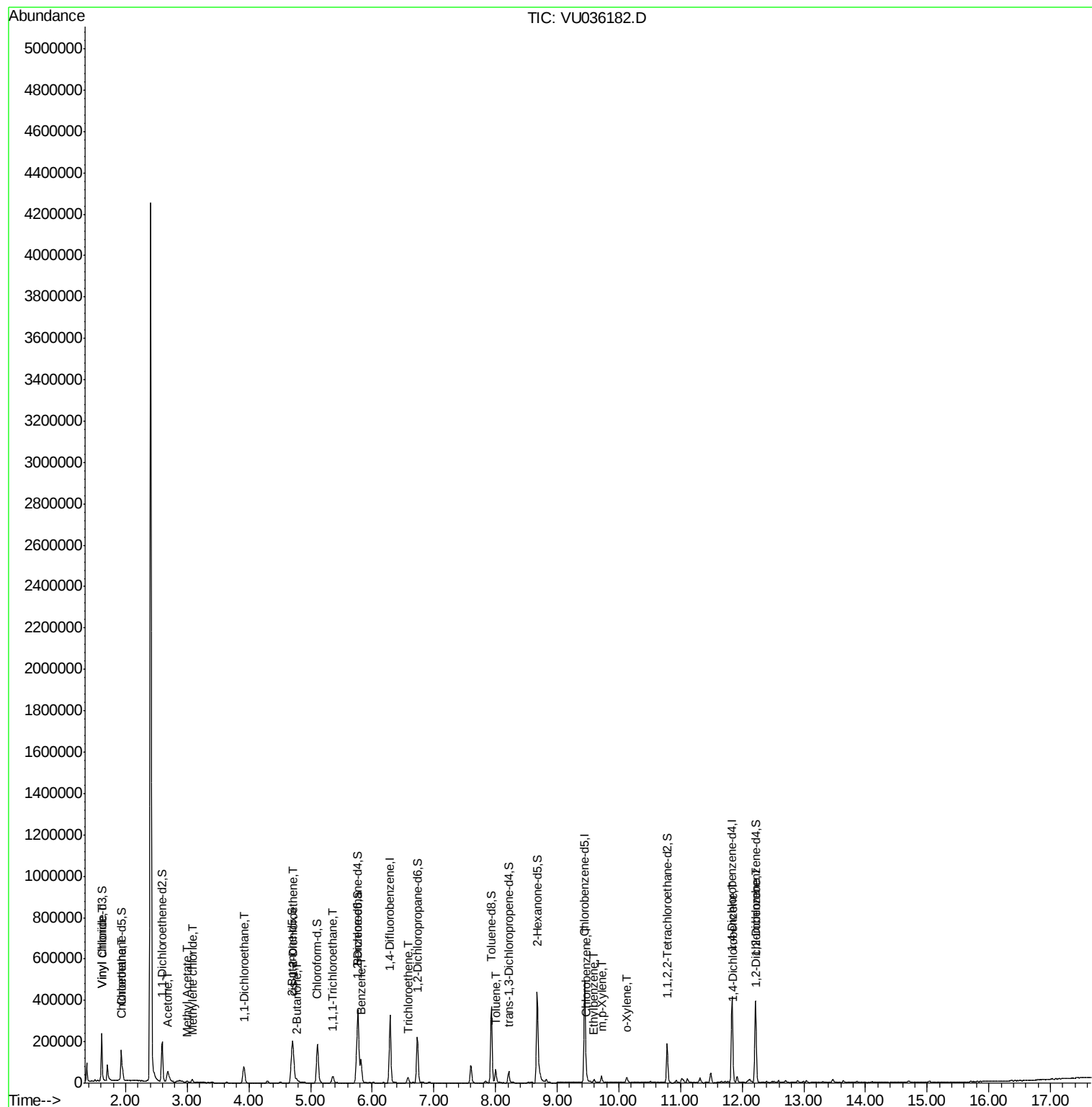
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	12.24	146	8158	0.217	ug/L	92

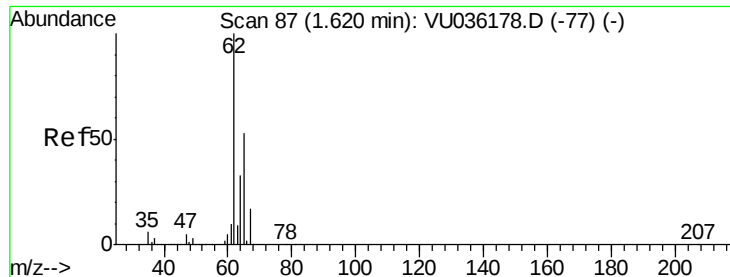
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 13 04:38:02 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.553 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036182.D

Acq: 13 Dec 2019 05:17

Instrument :

MSVOA_U

ClientSampled :

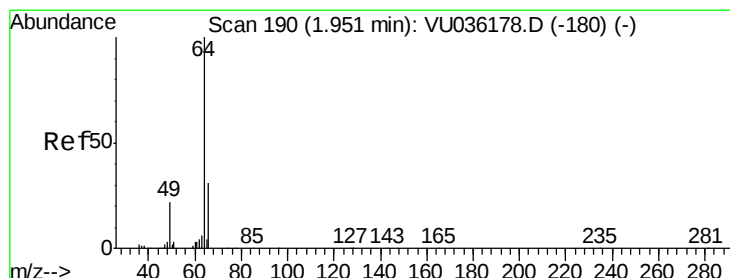
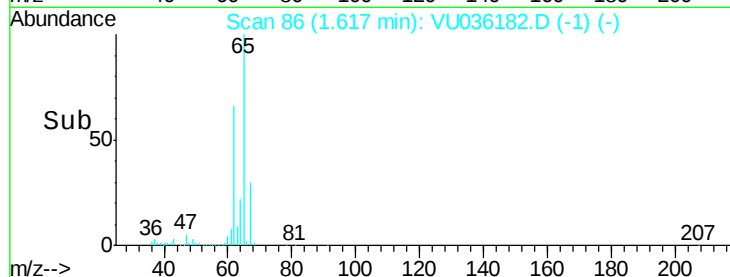
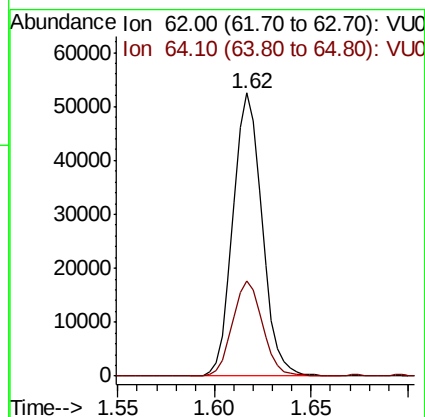
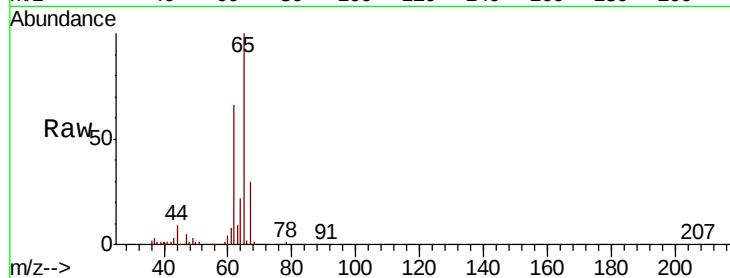
BFQT9

Tot Ion: 62 Resp: 54675

Ion Ratio Lower Upper

62 100

64 33.7 24.0 44.6



#8

Chloroethane

Concen: 1.318 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036182.D

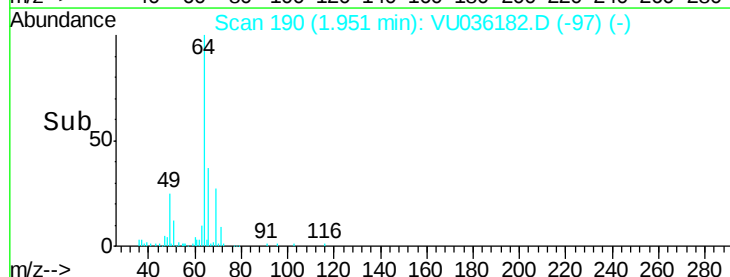
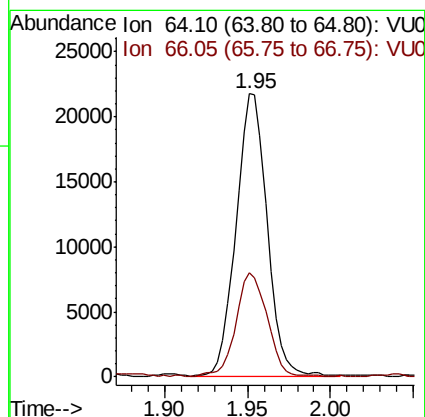
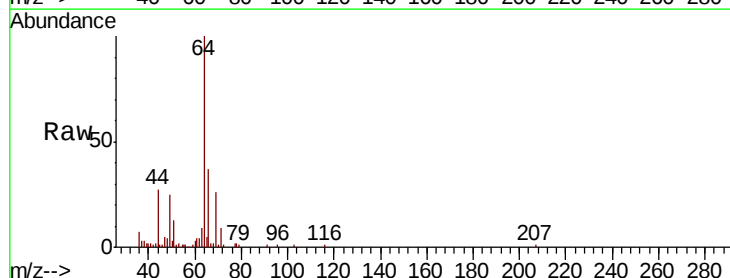
Acq: 13 Dec 2019 05:17

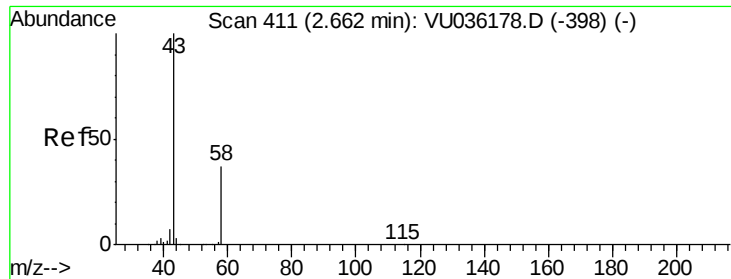
Tgt Ion: 64 Resp: 28565

Ion Ratio Lower Upper

64 100

66 36.9 22.0 41.0





#13

Acetone

Concen: 23.682 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.02 min

Lab File: VU036182.D

Acq: 13 Dec 2019 05:17

Instrument :

MSVOA_U

ClientSampleId :

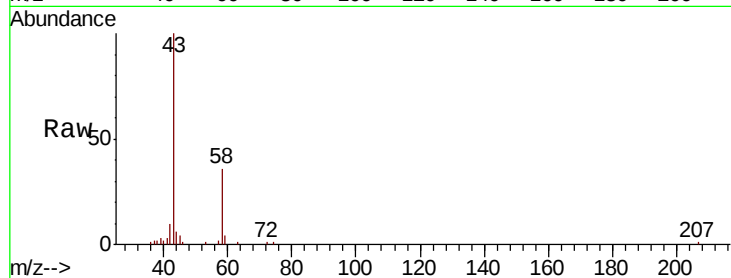
BFQT9

Tot Ion: 43 Resp: 88425

Ion Ratio Lower Upper

43 100

58 34.4 0.0 70.0



Abundance Ion 43.05 (42.75 to 43.75): VU036182.D (-417) (-)

Ion 58.05 (57.75 to 58.75): VU036182.D (-417) (-)

2.68

30000

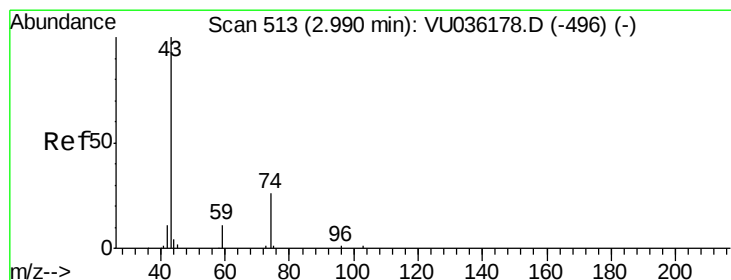
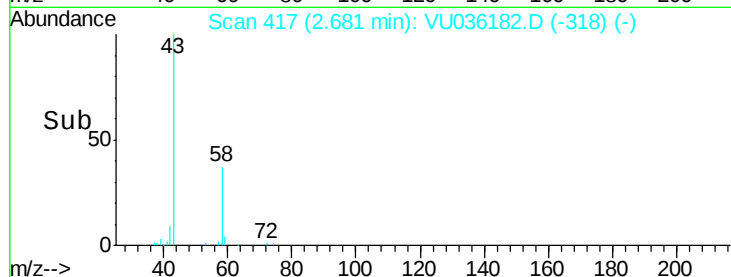
20000

10000

0

Time-->

2.60 2.70 2.80



#15

Methyl Acetate

Concen: 0.854 ug/L

RT: 3.00 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU036182.D

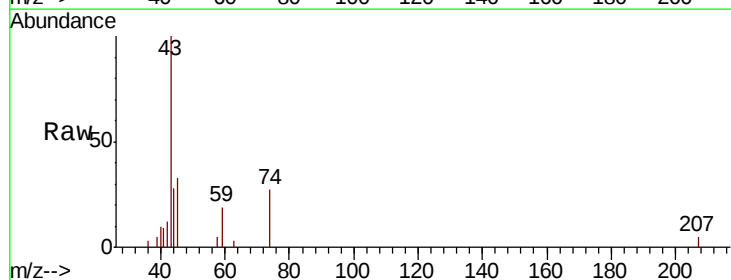
Acq: 13 Dec 2019 05:17

Tgt Ion: 43 Resp: 6796

Ion Ratio Lower Upper

43 100

74 22.4 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU036182.D (-516) (-)

Ion 74.05 (73.75 to 74.75): VU036182.D (-516) (-)

3.00

4000

3000

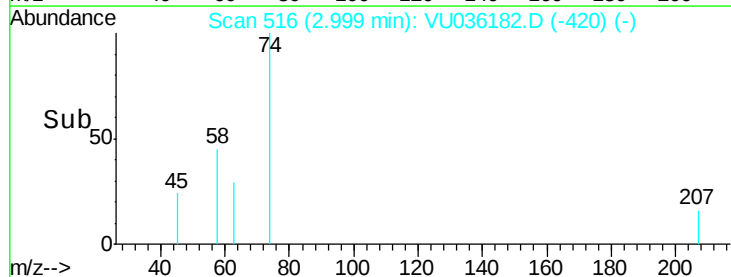
2000

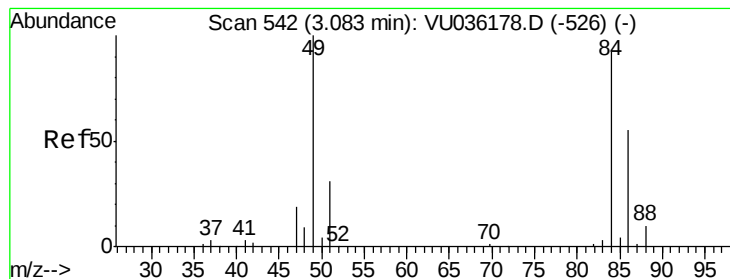
1000

0

Time-->

2.95 3.00 3.05





#16

Methvlene chloride

Concen: 0.241 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU036182.D

Acq: 13 Dec 2019 05:17

Instrument :

MSVOA_U

ClientSampled :

BFQT9

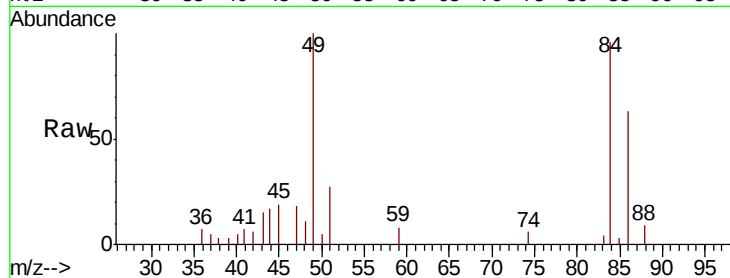
Tot Ion: 84 Resp: 6706

Ion Ratio Lower Upper

84 100

86 66.0 46.1 85.5

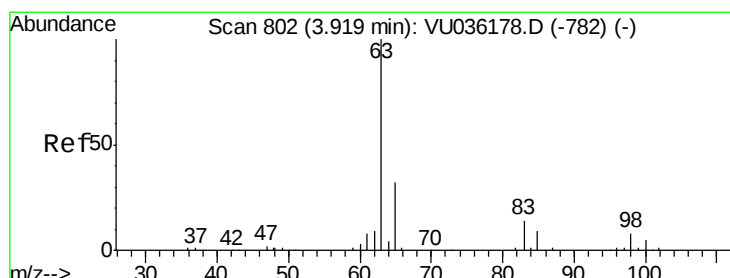
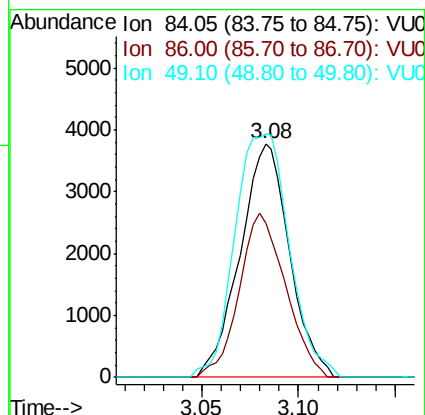
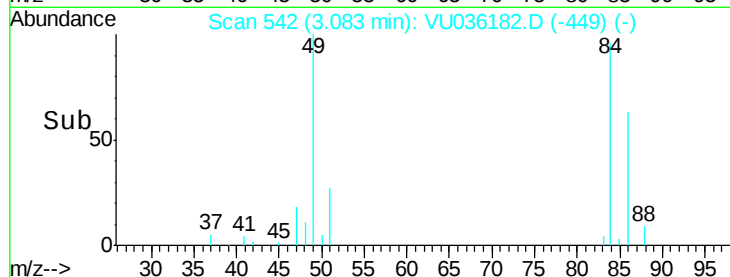
49 104.1 77.7 144.3



Abundance Ion 84.05 (83.75 to 84.75): VU036182.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VU036182.D (-449) (-)

Ion 49.10 (48.80 to 49.80): VU036182.D (-449) (-)



#19

1,1-Dichloroethane

Concen: 2.443 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036182.D

Acq: 13 Dec 2019 05:17

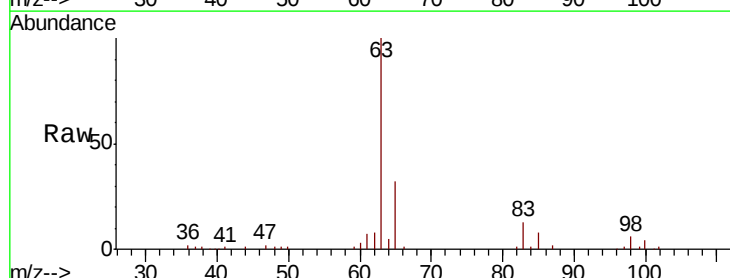
Tgt Ion: 63 Resp: 92630

Ion Ratio Lower Upper

63 100

65 32.0 22.2 41.2

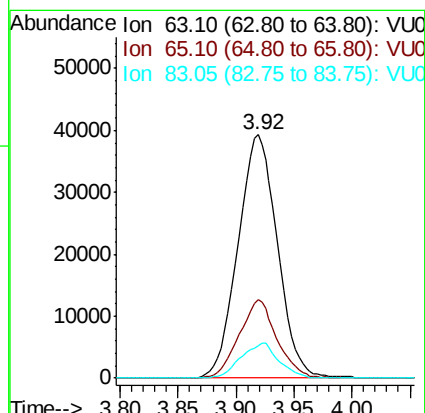
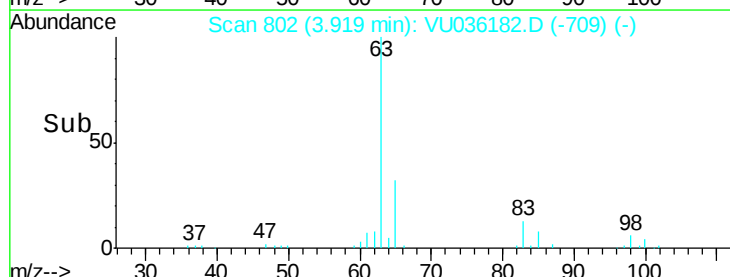
83 13.3 9.8 18.2

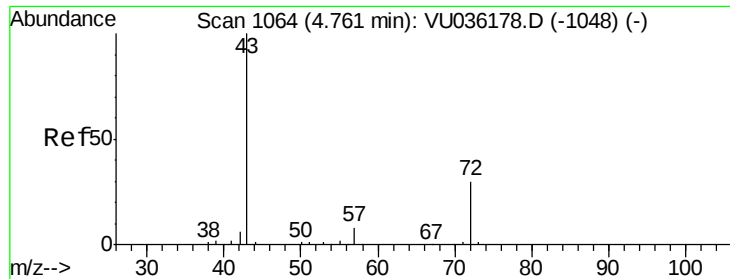


Abundance Ion 63.10 (62.80 to 63.80): VU036182.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU036182.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU036182.D (-709) (-)





#21

2-Butanone

Concen: 1.923 ug/L

RT: 4.78 min Scan# 1071

Delta R.T. 0.02 min

Lab File: VU036182.D

Acq: 13 Dec 2019 05:17

Instrument :

MSVOA_U

ClientSampleId :

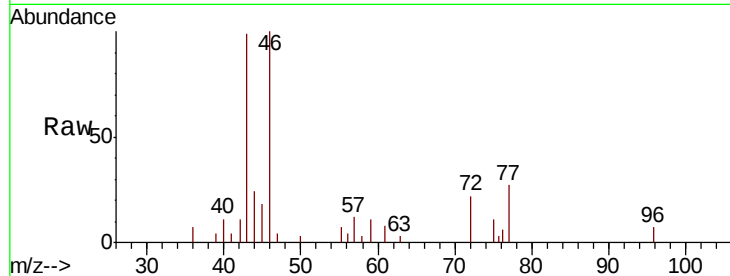
BFQT9

Tot Ion: 43 Resp: 9571

Ion Ratio Lower Upper

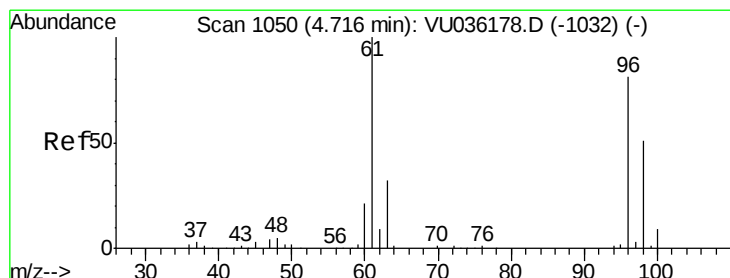
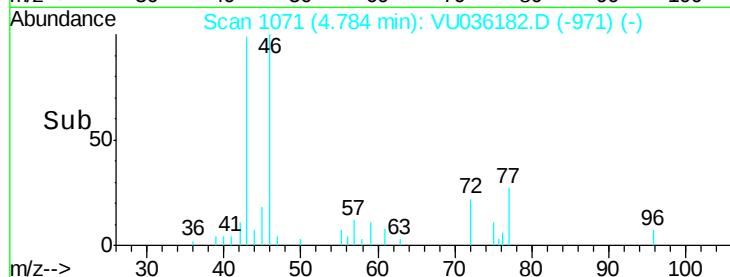
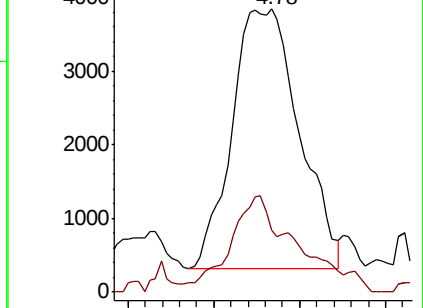
43 100

72 37.5 14.4 43.2



Abundance Ion 43.05 (42.75 to 43.75): VU036182.D (-971) (-)

Ion 72.10 (71.80 to 72.80): VU036182.D (-971) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.831 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036182.D

Acq: 13 Dec 2019 05:17

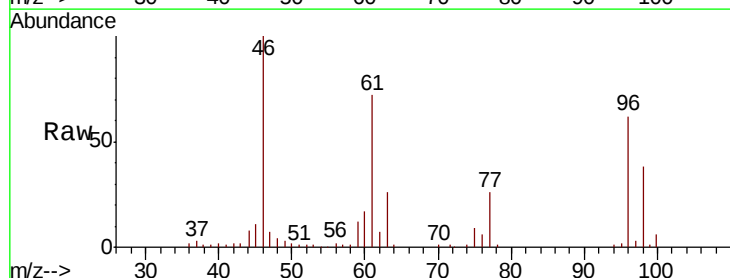
Tgt Ion: 96 Resp: 60063

Ion Ratio Lower Upper

96 100

61 114.8 83.8 155.6

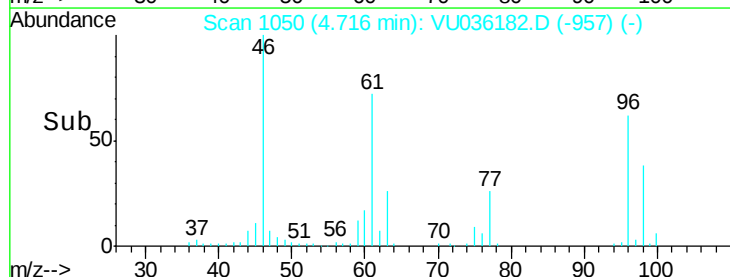
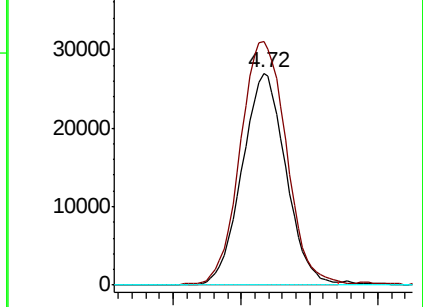
68 0.0 0.0 0.0

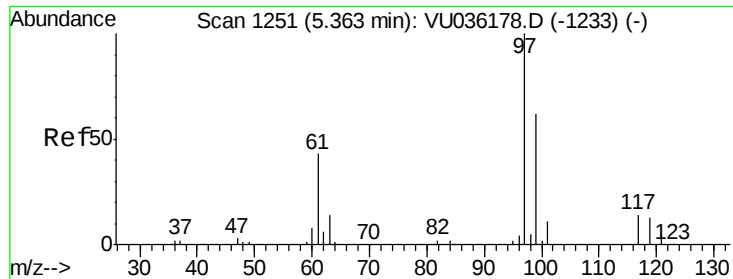


Abundance Ion 96.00 (95.70 to 96.70): VU036182.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036182.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036182.D (-957) (-)

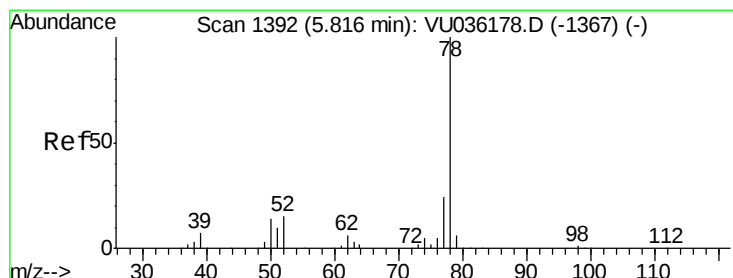
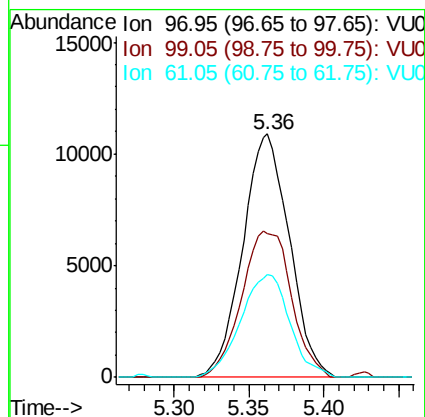
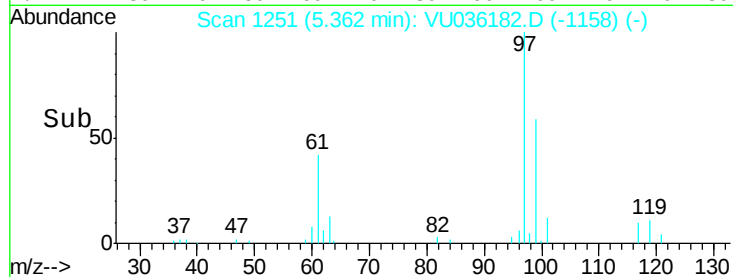
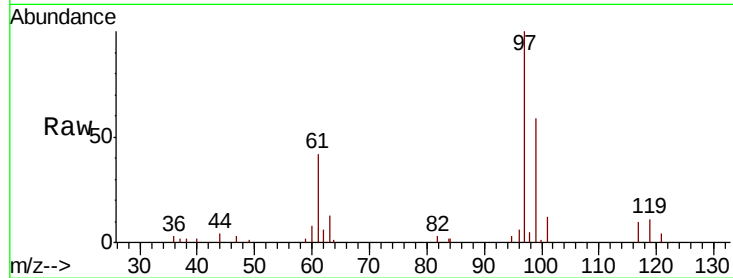




#29
 1,1,1-Trichloroethane
 Concen: 0.662 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU036182.D
 Acq: 13 Dec 2019 05:17

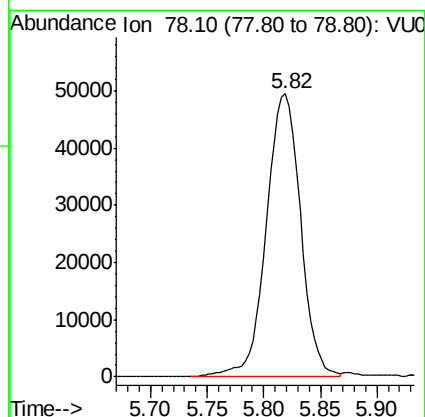
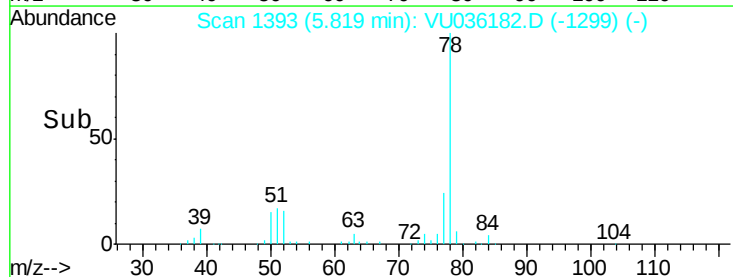
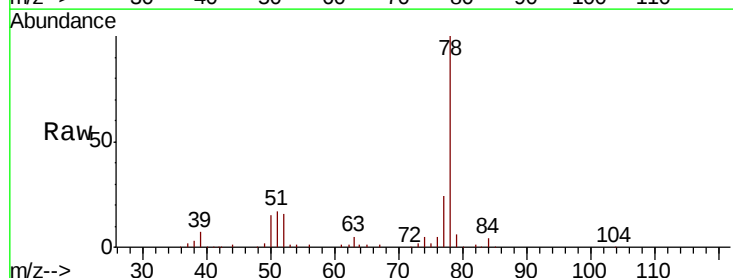
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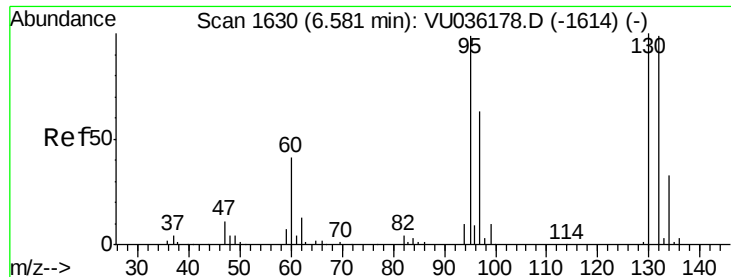
Tot Ion: 97 Resp: 23594
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.6 79.0
 61 44.7 35.4 53.2



#33
 Benzene
 Concen: 1.167 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VU036182.D
 Acq: 13 Dec 2019 05:17

Tgt Ion: 78 Resp: 104345

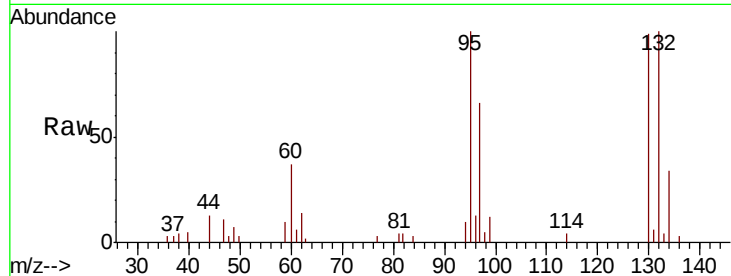




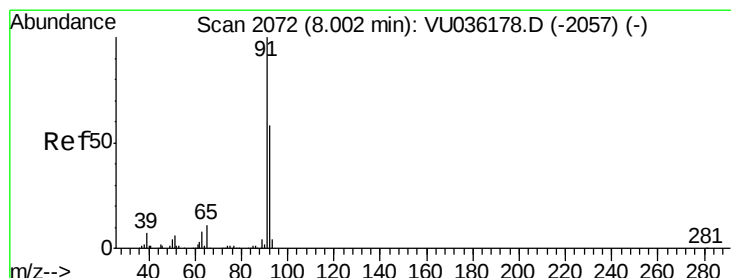
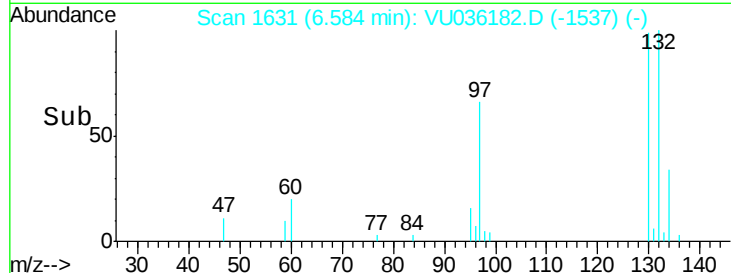
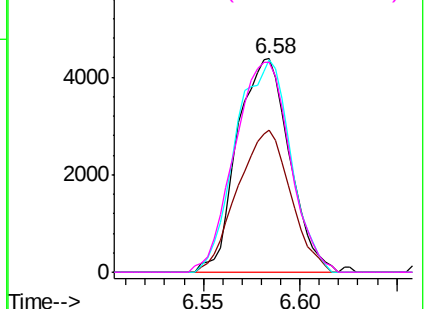
#34
 Trichloroethene
 Concen: 0.359 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU036182.D
 Acq: 13 Dec 2019 05:17

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQT9

Tot Ion: 95 Resp: 8202
 Ion Ratio Lower Upper
 95 100
 97 66.2 43.7 81.1
 132 99.8 71.7 133.3
 130 98.5 73.1 135.7

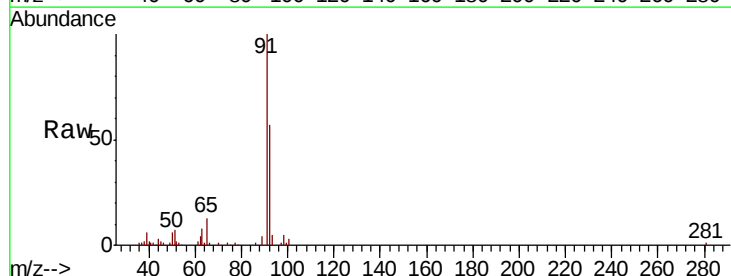


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

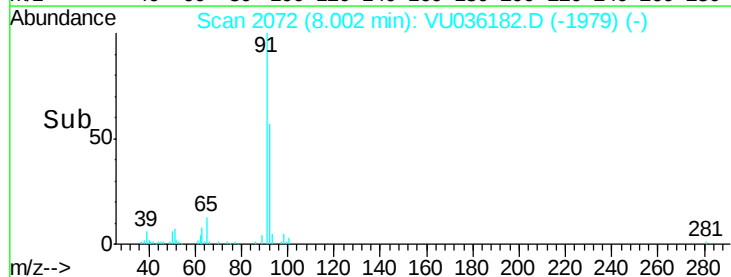
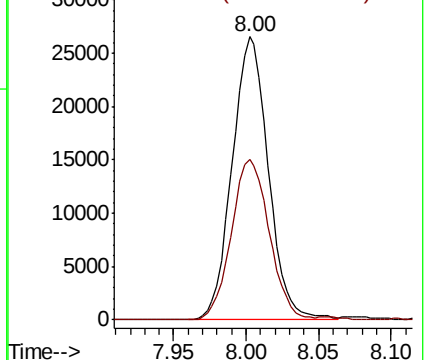


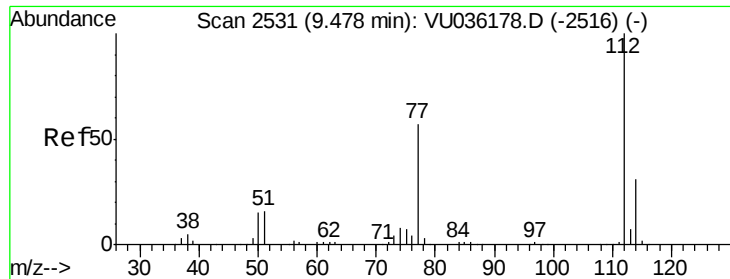
#42
 Toluene
 Concen: 0.486 ug/L
 RT: 8.00 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VU036182.D
 Acq: 13 Dec 2019 05:17

Tgt Ion: 91 Resp: 46028
 Ion Ratio Lower Upper
 91 100
 92 56.7 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0

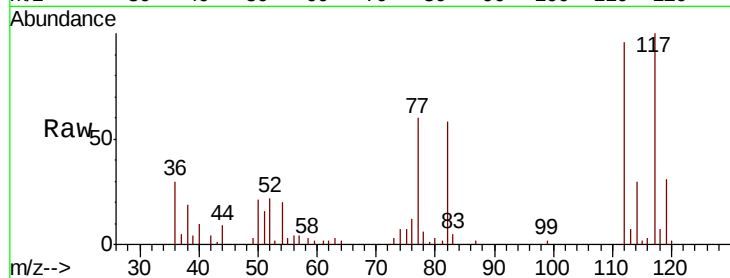




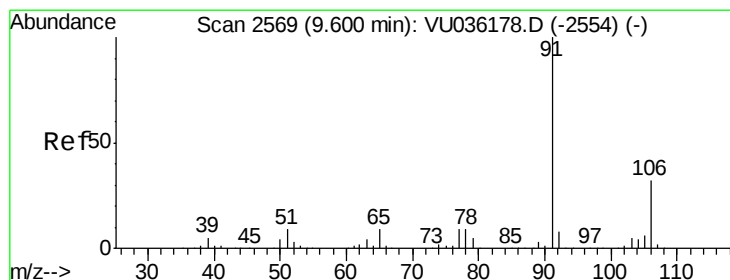
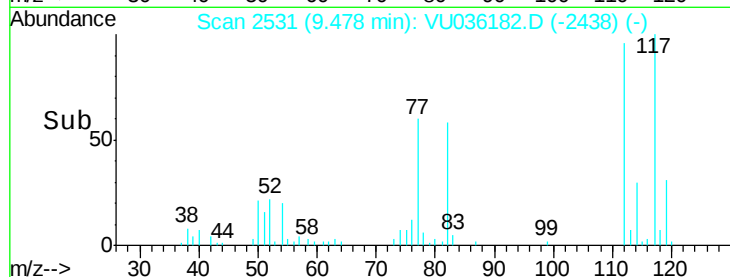
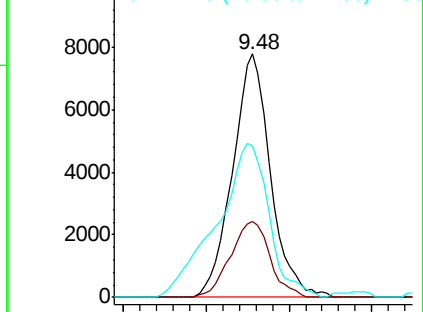
#51
Chlorobenzene
Concen: 0.200 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU036182.D
Acq: 13 Dec 2019 05:17

Instrument :
MSVOA_U
ClientSampleId :
BFQT9

Tot Ion:112 Resp: 12340
Ion Ratio Lower Upper
112 100
114 31.2 22.2 41.2
77 62.2 45.7 68.5

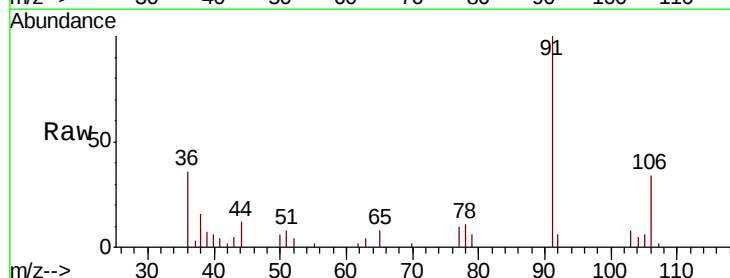


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

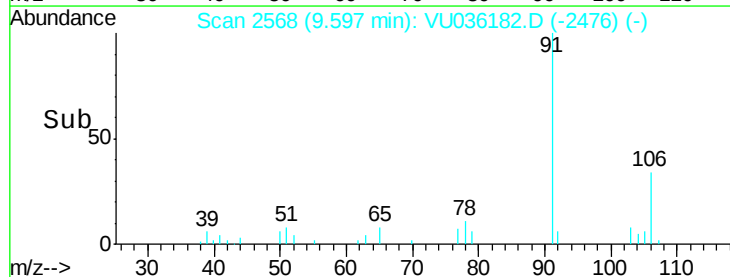
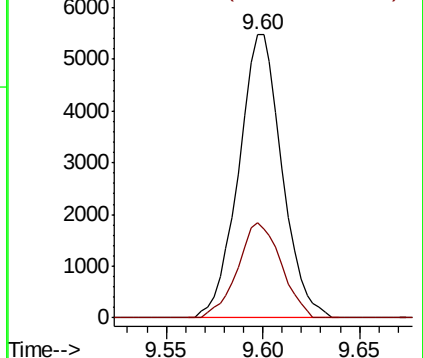


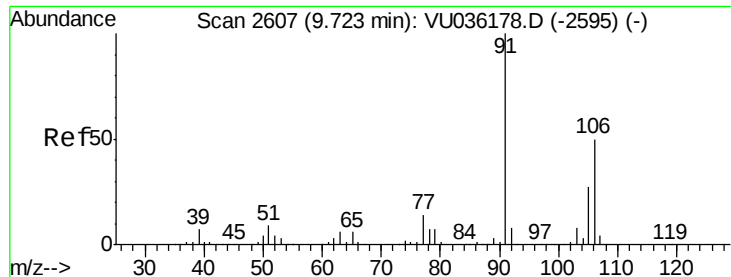
#52
Ethylbenzene
Concen: 0.093 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036182.D
Acq: 13 Dec 2019 05:17

Tgt Ion: 91 Resp: 8544
Ion Ratio Lower Upper
91 100
106 33.6 21.6 40.2



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





#53

m,p-Xylene

Concen: 0.228 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036182.D

Acq: 13 Dec 2019 05:17

Instrument :

MSVOA_U

ClientSampleId :

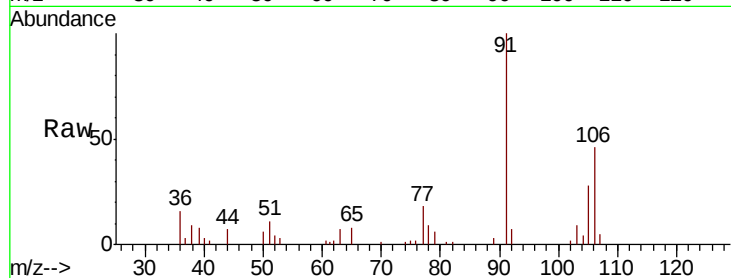
BFQT9

Tot Ion:106 Resp: 8240

Ion Ratio Lower Upper

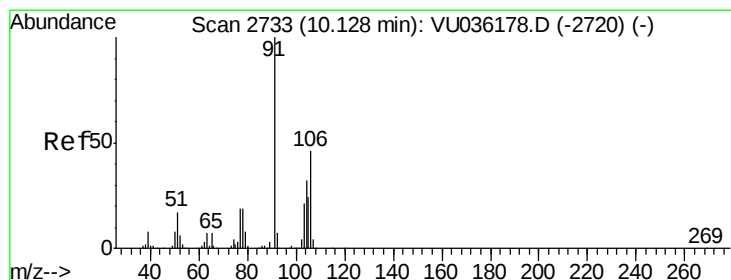
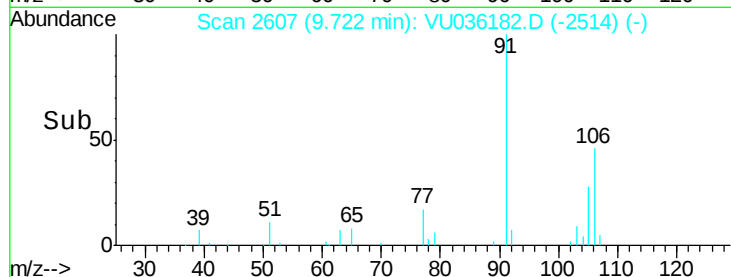
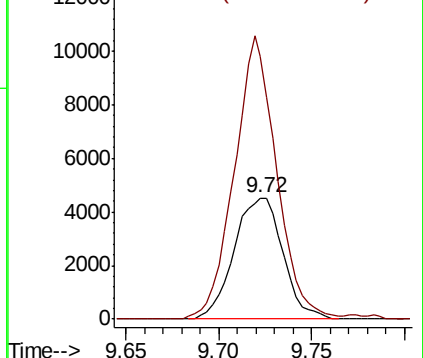
106 100

91 216.9 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.182 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036182.D

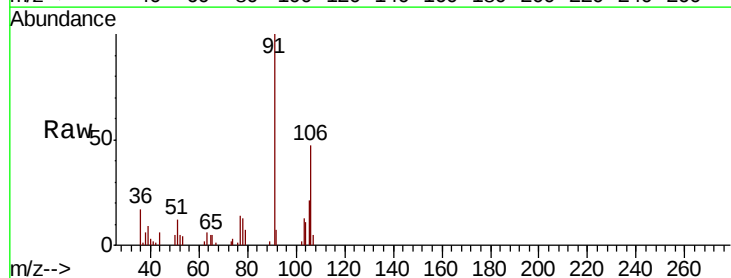
Acq: 13 Dec 2019 05:17

Tgt Ion:106 Resp: 6305

Ion Ratio Lower Upper

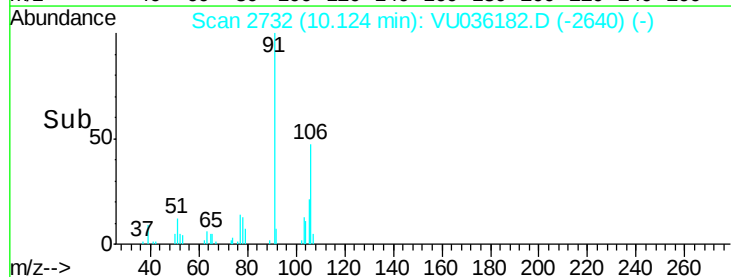
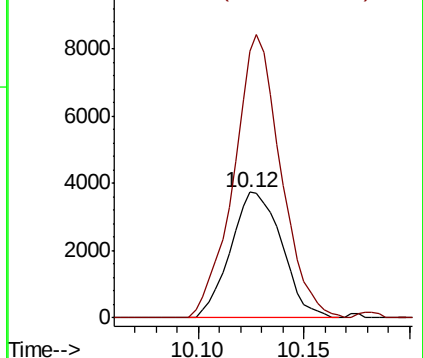
106 100

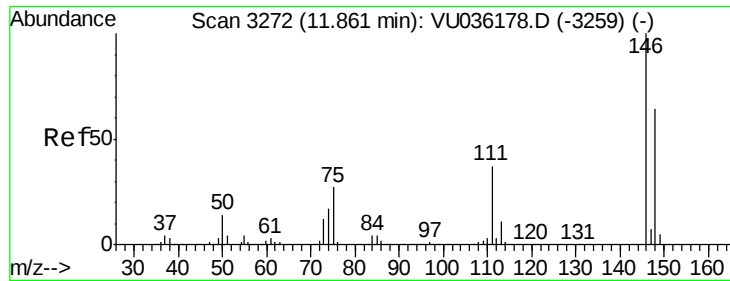
91 211.8 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

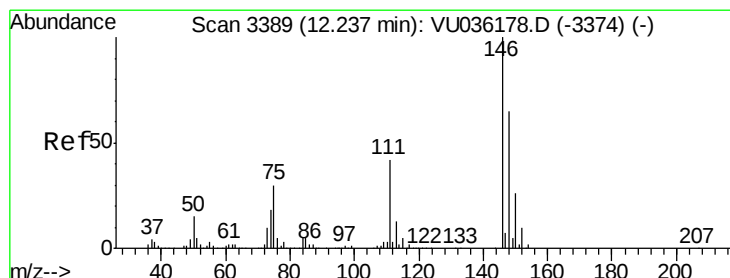
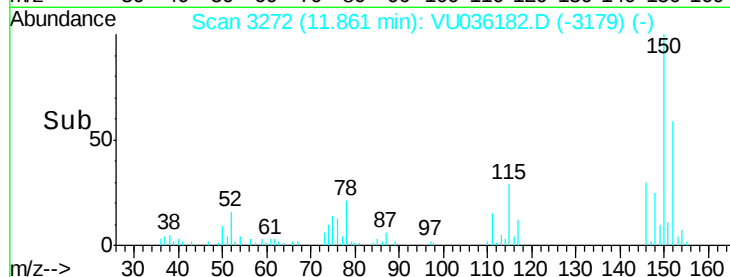
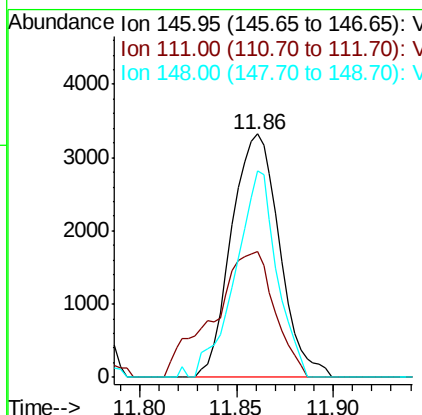
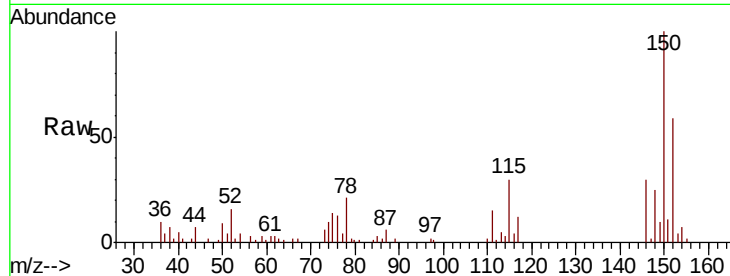




#63
 1,4-Dichlorobenzene
 Concen: 0.150 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU036182.D
 Acq: 13 Dec 2019 05:17

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQT9

Tot Ion:146 Resp: 5731
 Ion Ratio Lower Upper
 146 100
 111 51.5 27.5 51.1#
 148 85.0 45.4 84.2#



#65
 1,2-Dichlorobenzene
 Concen: 0.217 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU036182.D
 Acq: 13 Dec 2019 05:17

Tgt Ion:146 Resp: 8158
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.3 49.9
 148 54.5 52.2 78.2

