

Data File : VU035567.D
Acq On : 30 Oct 2019 17:51
Operator : JC/SP
Sample : K5538-01DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF6M1DL

Quant Time: Oct 31 00:44:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 00:14:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	659443	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	628408	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	234920	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	236856	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.94%
7) Chloroethane-d5	1.93	69	202533	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.24%
11) 1,1-Dichloroethene-d2	2.59	63	291689	35.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.44%
21) 2-Butanone-d5	4.69	46	358622	115.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.27%
24) Chloroform-d	5.11	84	401121	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	5.75	65	256154	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.68%
32) Benzene-d6	5.77	84	852864	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.12%
36) 1,2-Dichloropropane-d6	6.74	67	279718	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.32%
41) Toluene-d8	7.93	98	772623	50.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.02%
43) trans-1,3-Dichloropropene-	8.22	79	127122	51.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.90%
47) 2-Hexanone-d5	8.68	63	229533	112.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.74%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	377732	50.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	246191	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%

Target Compounds

						Qvalue
5) Vinyl chloride	1.62	62	33085	5.486	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3347	0.816	ug/L #	19
13) Acetone	2.67	43	33090	12.089	ug/L	99
19) 1,1-Dichloroethane	3.93	63	18887	2.308	ug/L	94
20) cis-1,2-Dichloroethene	4.72	96	116244	24.295	ug/L	99
22) 2-Butanone	4.78	43	10656	2.949	ug/L	92
27) 1,2-Dichloroethane	5.82	62	4786	0.788	ug/L #	73
29) Cyclohexane	5.43	56	6683	1.043	ug/L	97
33) Benzene	5.82	78	459170	25.999	ug/L	100
35) Methylcyclohexane	6.80	83	8017	1.229	ug/L	98
39) cis-1,3-Dichloropropene	7.60	75	6991	0.994	ug/L #	58
42) Toluene	8.01	91	1090243	58.900	ug/L	100
48) 2-Hexanone	8.73	43	17314	3.365	ug/L #	95
52) Ethylbenzene	9.60	91	210135	10.619	ug/L	98
53) m,p-Xylene	9.73	106	248453	33.460	ug/L	98
54) o-xylene	10.13	106	166523	22.945	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	17684	2.344	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU103119\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
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Response via : Initial Calibration

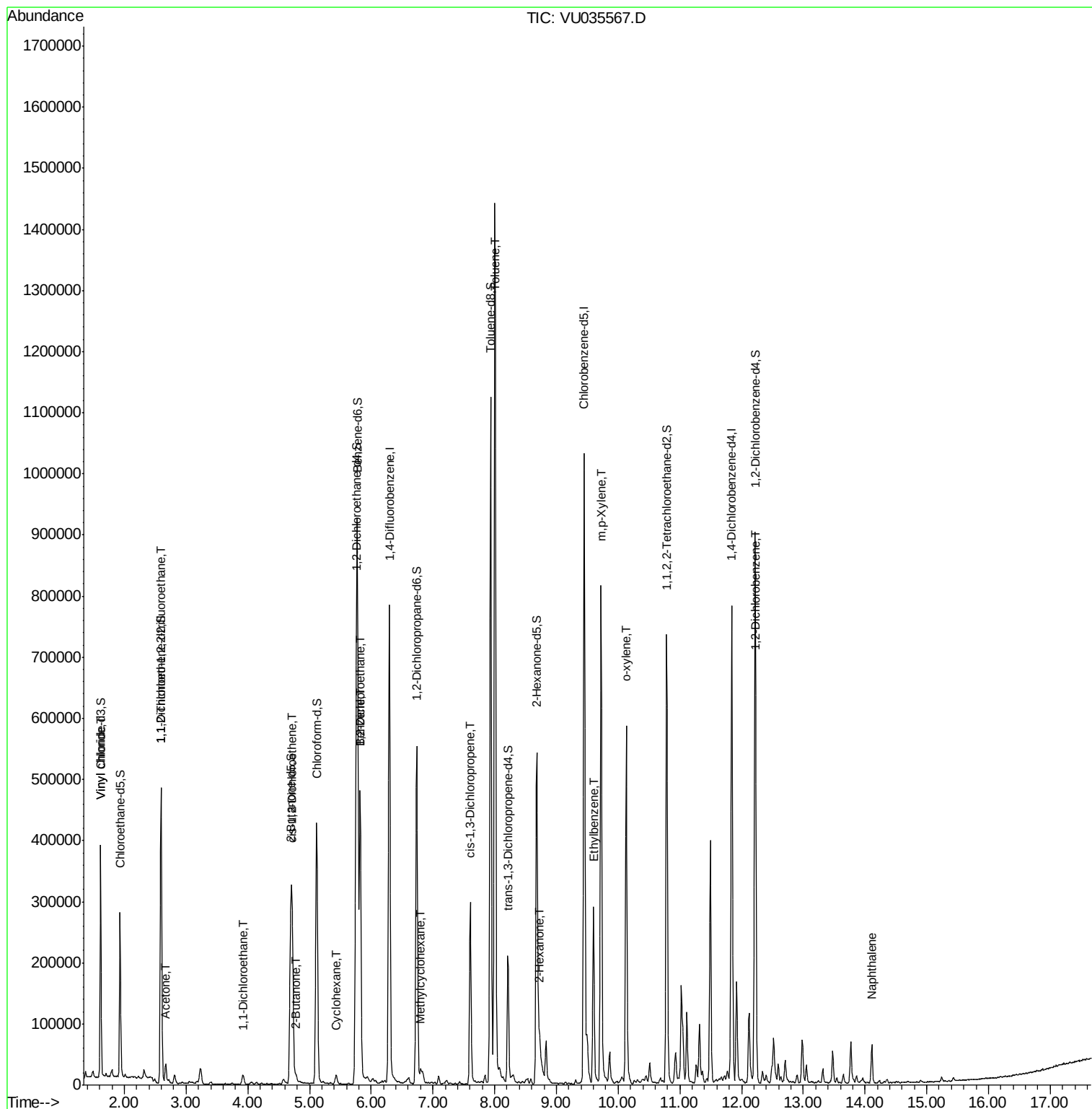
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	14.11	128	50387	6.849	ug/L	97

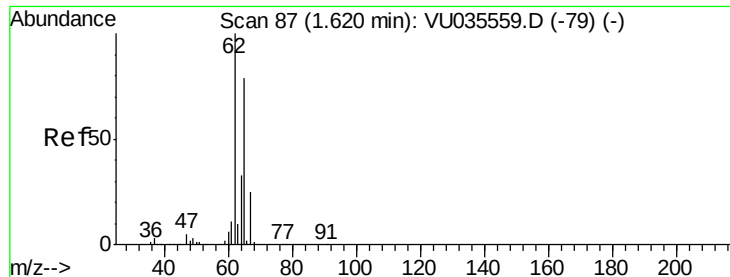
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.486 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035567.D

Acq: 30 Oct 2019 17:51

Instrument :

MSVOA_U

ClientSampleId :

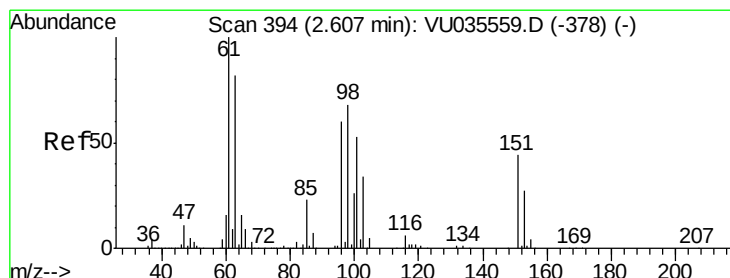
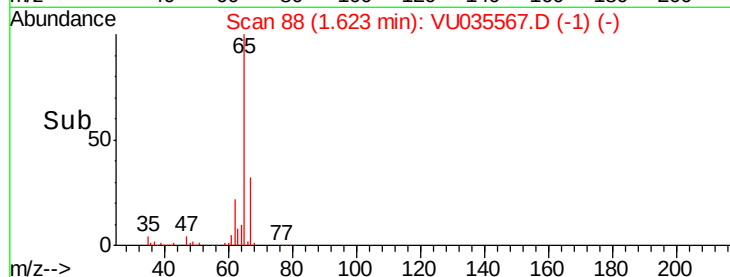
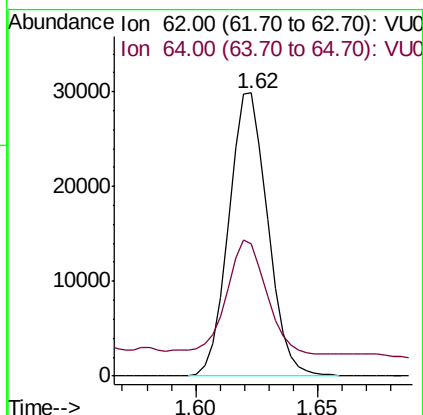
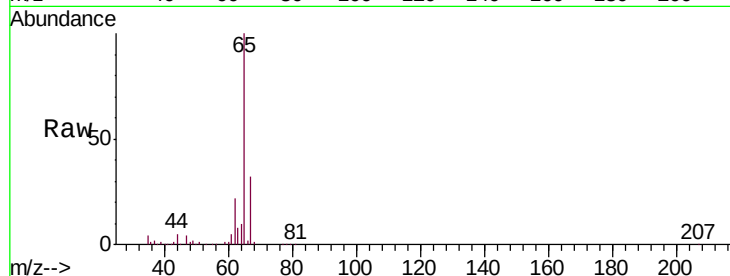
BF6M1DL

Tgt Ion: 62 Resp: 33085

Ion Ratio Lower Upper

62 100

64 46.6 23.7 43.9#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.816 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035567.D

Acq: 30 Oct 2019 17:51

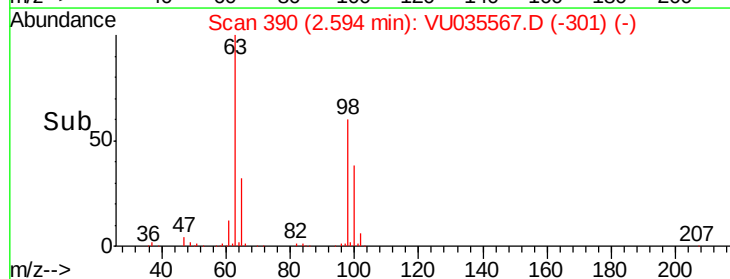
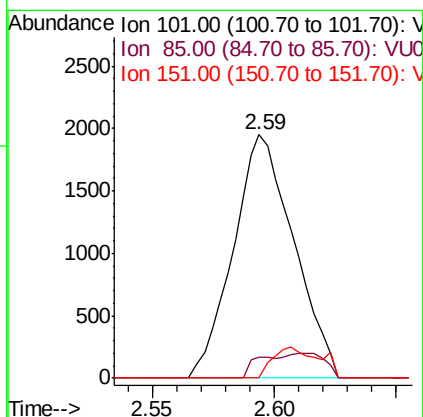
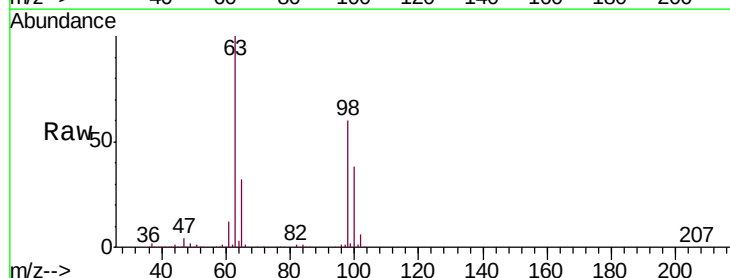
Tgt Ion: 101 Resp: 3347

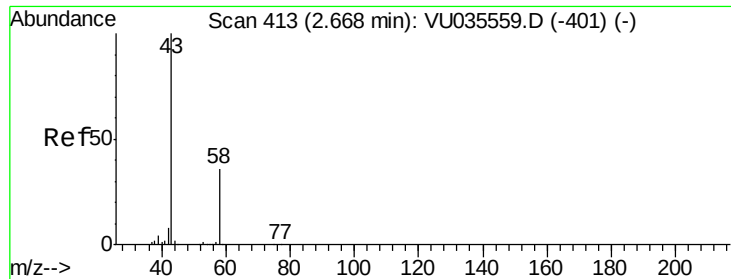
Ion Ratio Lower Upper

101 100

85 3.7 34.0 51.0#

151 0.0 64.2 96.4#





#13

Acetone

Concen: 12.089 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035567.D

Acq: 30 Oct 2019 17:51

Instrument :

MSVOA_U

ClientSampleId :

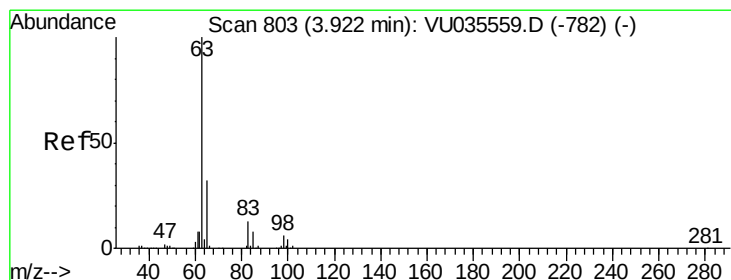
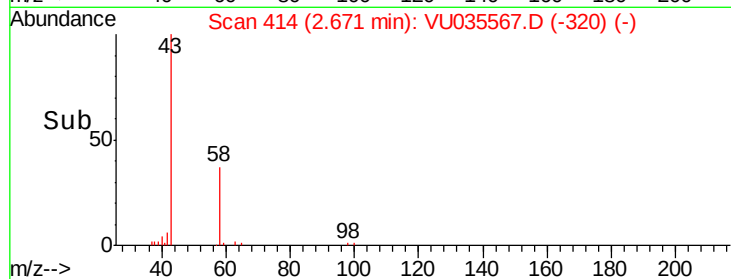
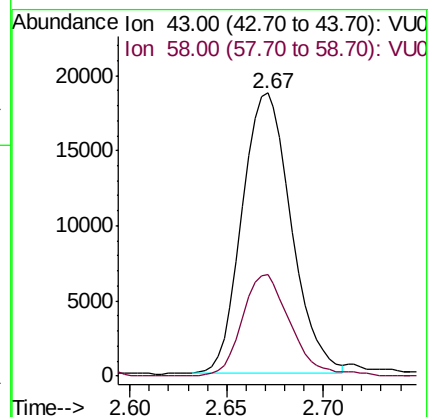
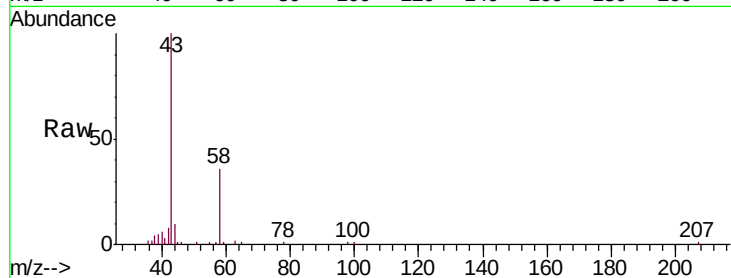
BF6M1DL

Tgt Ion: 43 Resp: 33090

Ion Ratio Lower Upper

43 100

58 35.7 0.0 70.0



#19

1,1-Dichloroethane

Concen: 2.308 ug/L

RT: 3.93 min Scan# 804

Delta R.T. 0.00 min

Lab File: VU035567.D

Acq: 30 Oct 2019 17:51

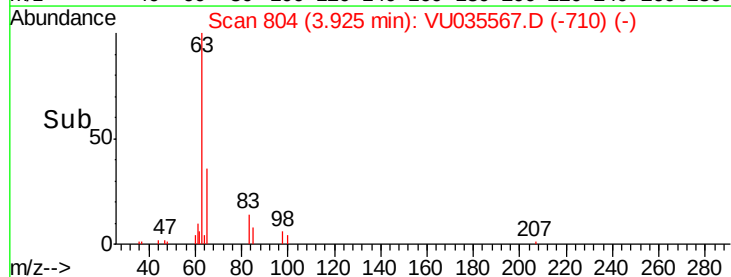
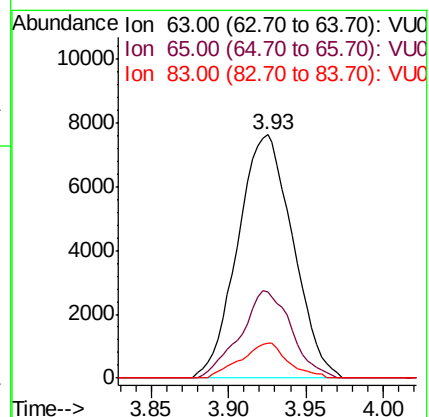
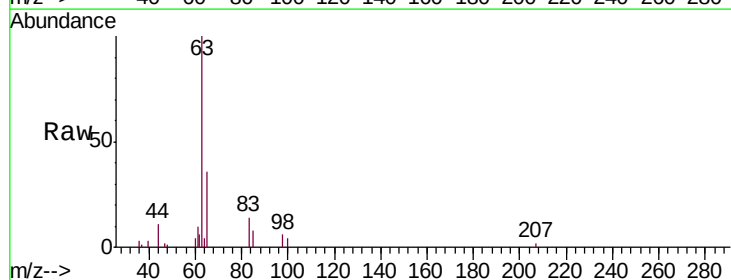
Tgt Ion: 63 Resp: 18887

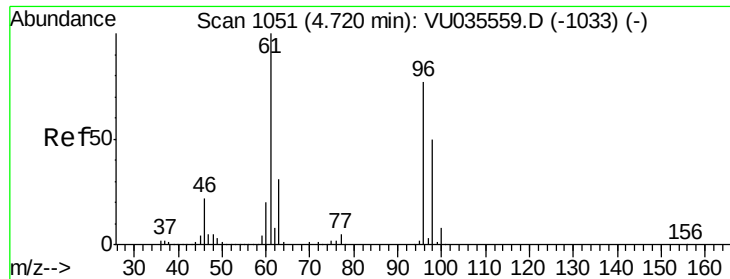
Ion Ratio Lower Upper

63 100

65 35.6 22.1 41.1

83 14.3 9.1 16.9

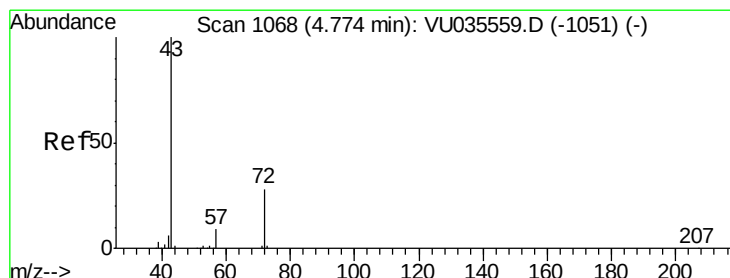
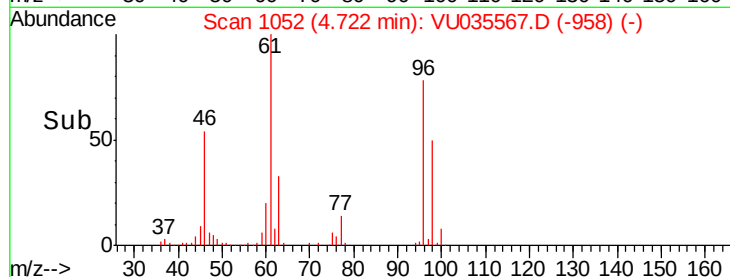
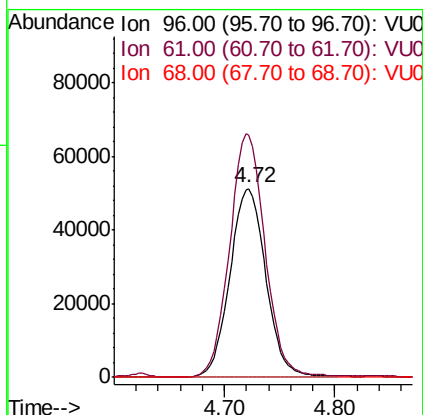
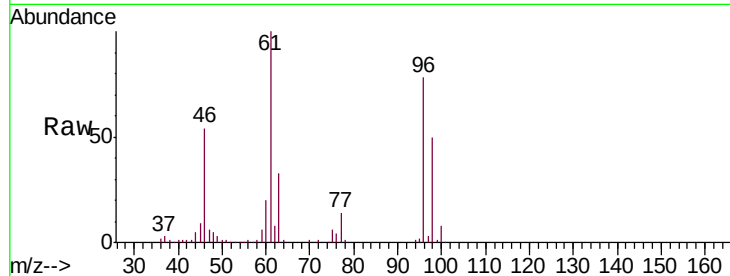




#20
 cis-1,2-Dichloroethene
 Concen: 24.295 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035567.D
 Acq: 30 Oct 2019 17:51

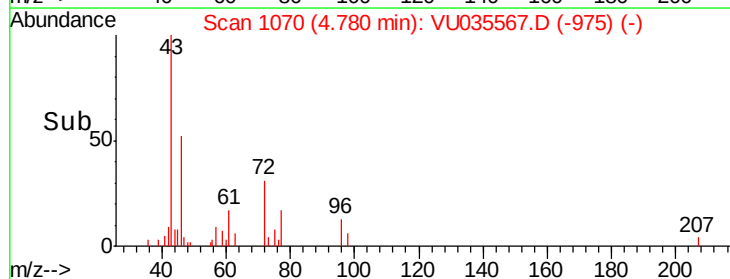
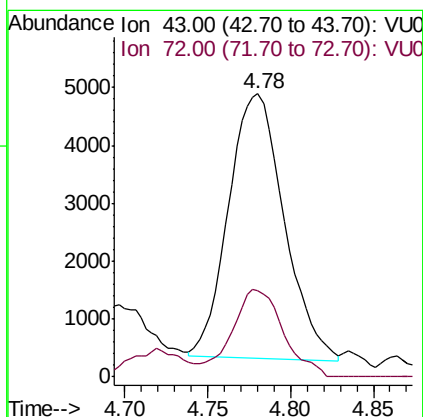
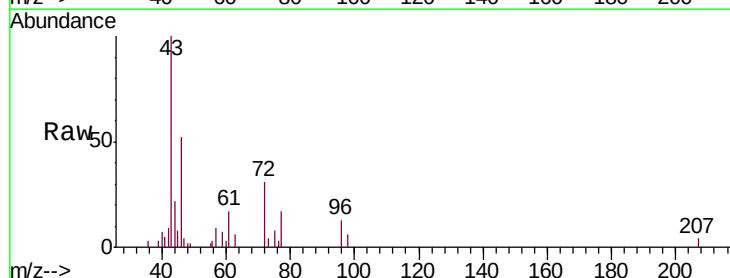
Instrument :
 MSVOA_U
 ClientSampleId :
 BF6M1DL

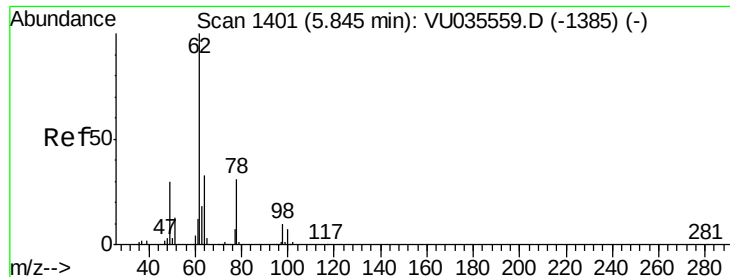
Tgt Ion: 96 Resp: 116244
 Ion Ratio Lower Upper
 96 100
 61 128.0 90.6 168.3
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 2.949 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VU035567.D
 Acq: 30 Oct 2019 17:51

Tgt Ion: 43 Resp: 10656
 Ion Ratio Lower Upper
 43 100
 72 30.9 13.5 40.4

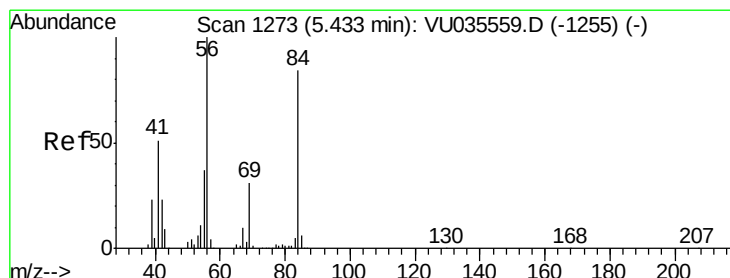
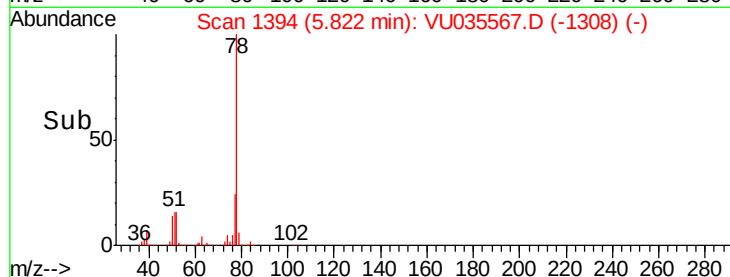
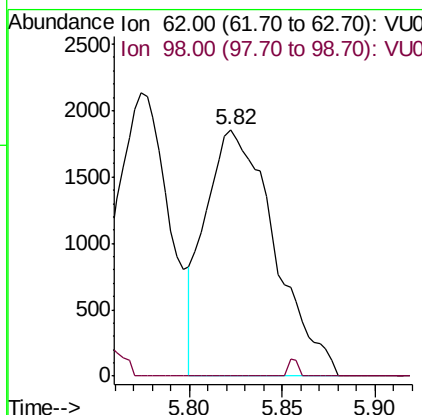
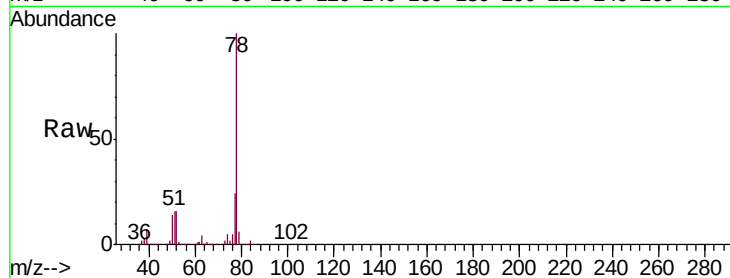




#27
 1,2-Dichloroethane
 Concen: 0.788 ug/L
 RT: 5.82 min Scan# 1394
 Delta R.T. -0.02 min
 Lab File: VU035567.D
 Acq: 30 Oct 2019 17:51

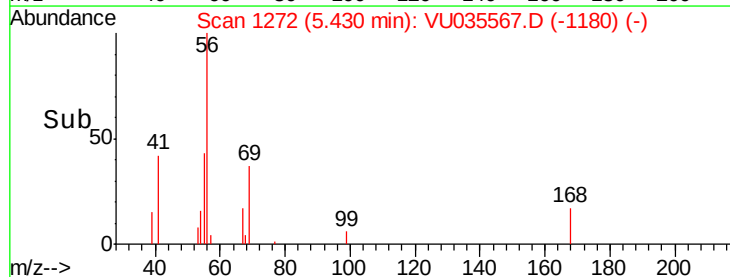
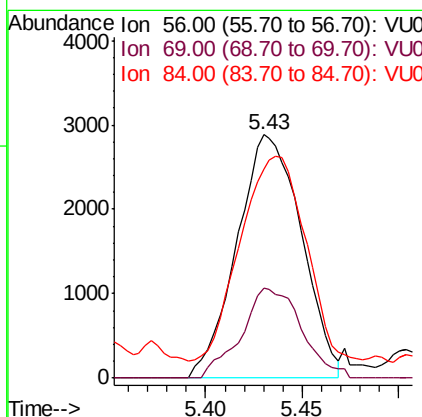
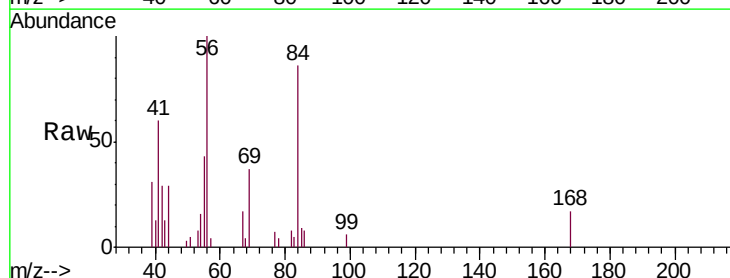
Instrument :
 MSVOA_U
 ClientSampleId :
 BF6M1DL

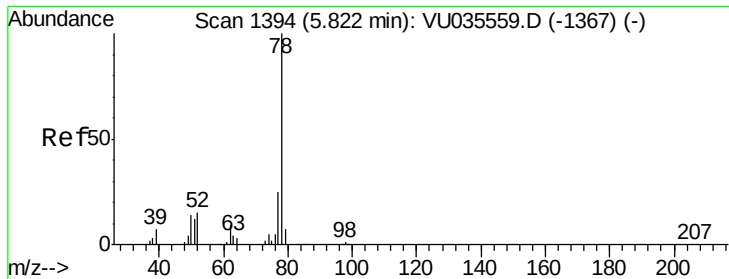
Tgt Ion: 62 Resp: 4786
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#29
 Cyclohexane
 Concen: 1.043 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035567.D
 Acq: 30 Oct 2019 17:51

Tgt Ion: 56 Resp: 6683
 Ion Ratio Lower Upper
 56 100
 69 34.2 24.4 36.6
 84 84.2 68.6 102.8





#33

Benzene

Concen: 25.999 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. -0.00 min

Lab File: VU035567.D

Acq: 30 Oct 2019 17:51

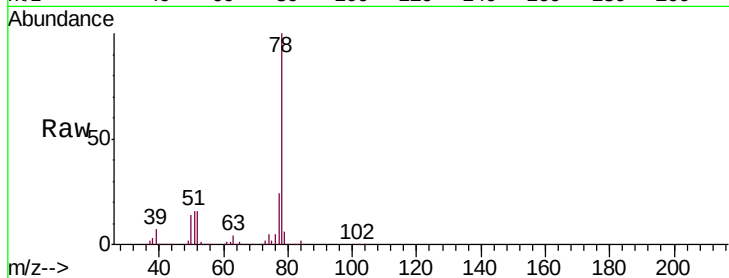
Instrument :

MSVOA_U

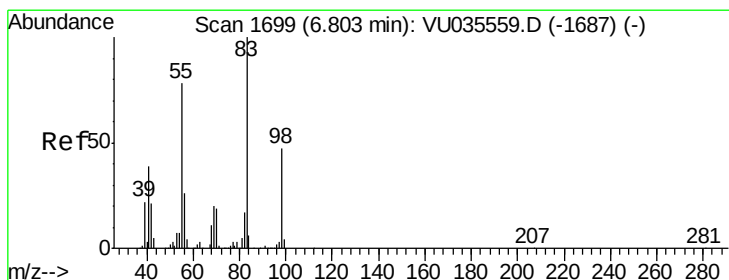
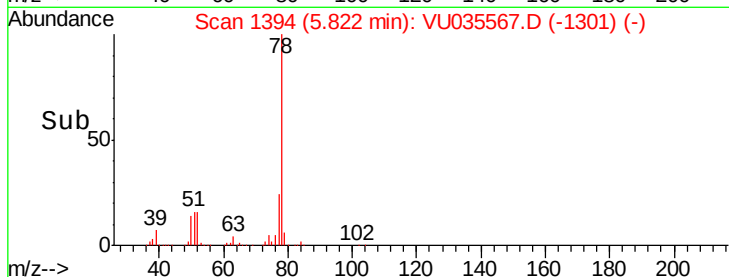
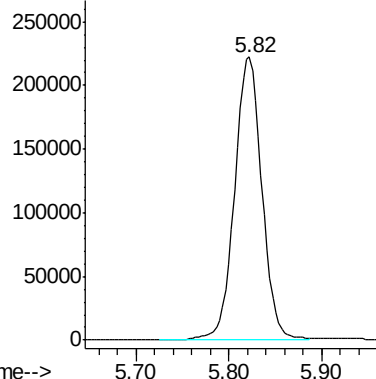
ClientSampleId :

BF6M1DL

Tgt Ion: 78 Resp: 459170



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 1.229 ug/L

RT: 6.80 min Scan# 1699

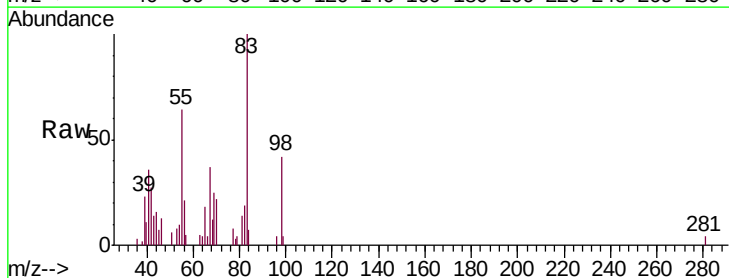
Delta R.T. -0.00 min

Lab File: VU035567.D

Acq: 30 Oct 2019 17:51

Tgt Ion: 83 Resp: 8017

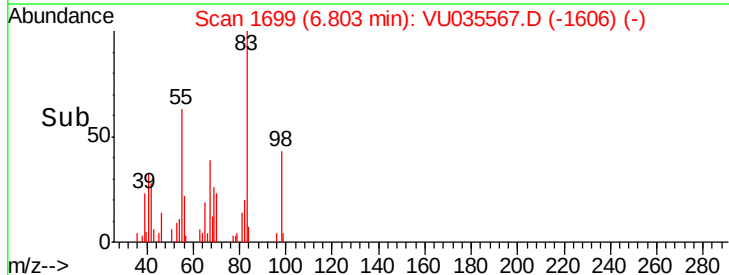
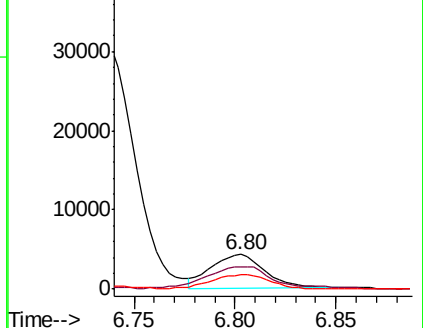
Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.0	91.4
98	46.5	36.6	54.8

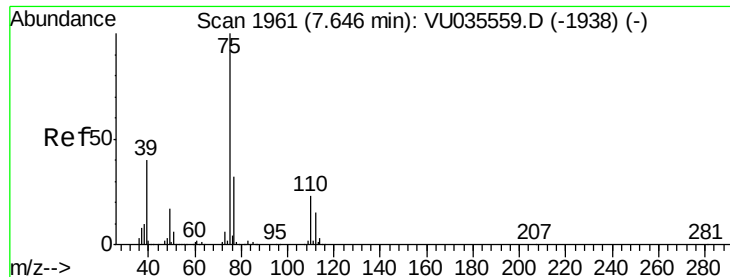


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#39

cis-1,3-Dichloropropene

Concen: 0.994 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035567.D

Acq: 30 Oct 2019 17:51

Instrument :

MSVOA_U

ClientSampleId :

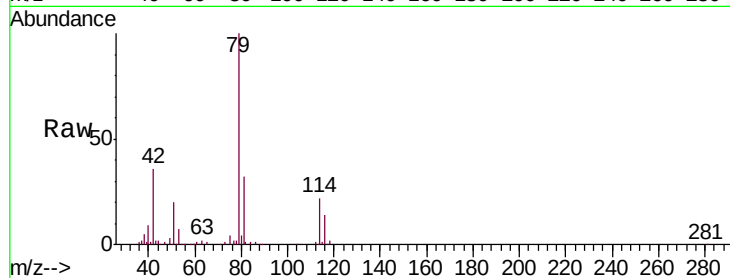
BF6M1DL

Tgt Ion: 75 Resp: 6991

Ion Ratio Lower Upper

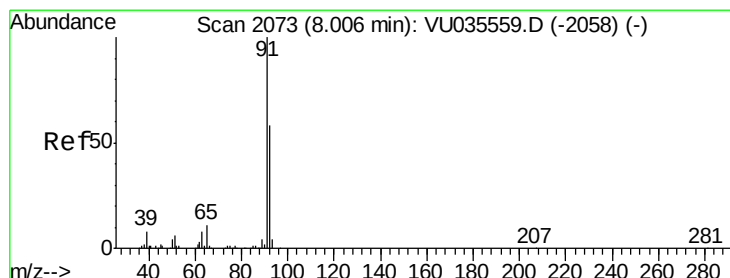
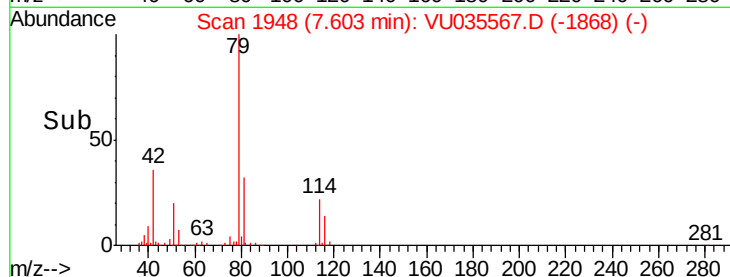
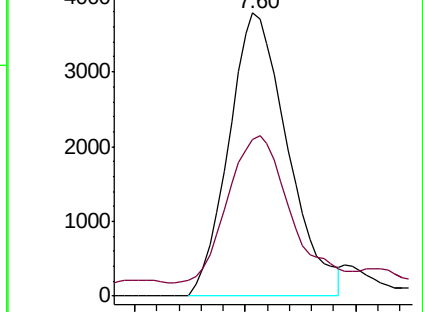
75 100

77 55.2 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU035559.D (-1938) (-)

Ion 77.00 (76.70 to 77.70): VU035559.D (-1938) (-)



#42

Toluene

Concen: 58.900 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035567.D

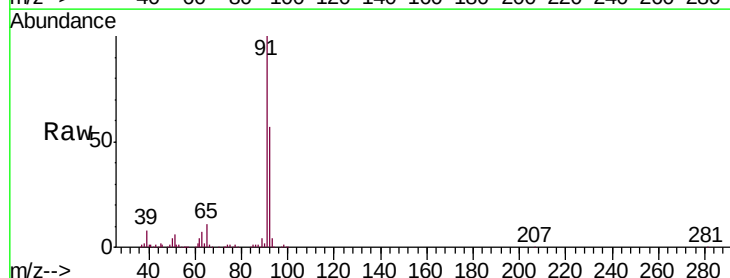
Acq: 30 Oct 2019 17:51

Tgt Ion: 91 Resp: 1090243

Ion Ratio Lower Upper

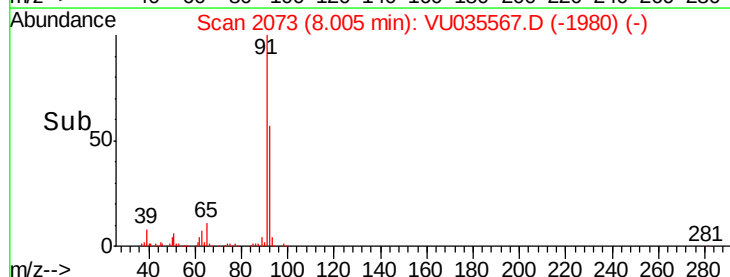
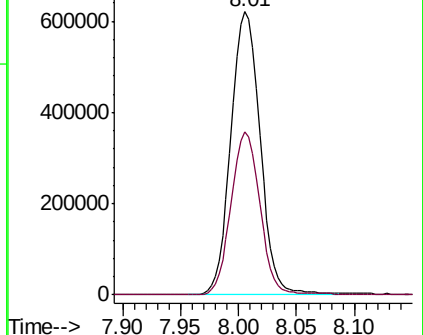
91 100

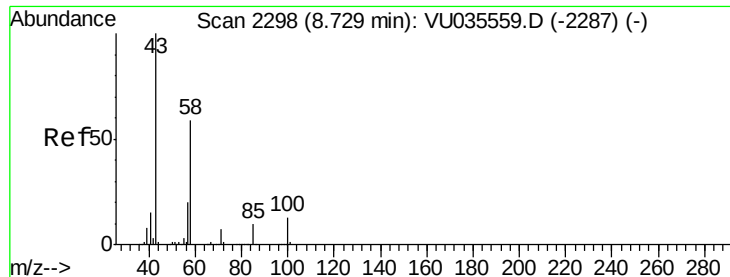
92 57.5 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU035559.D (-2058) (-)

Ion 92.00 (91.70 to 92.70): VU035559.D (-2058) (-)

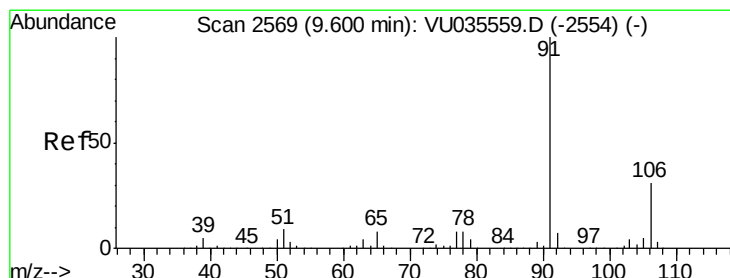
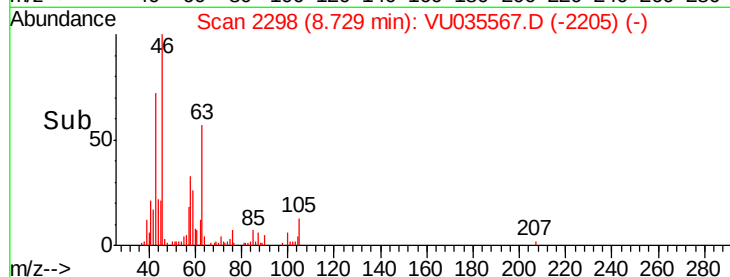
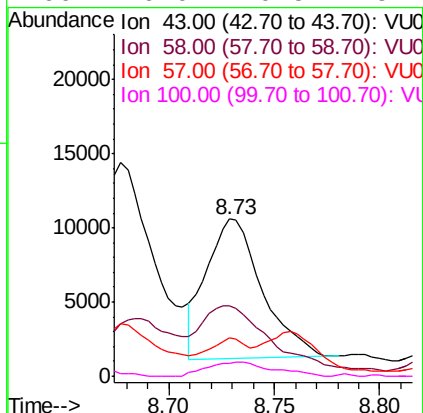
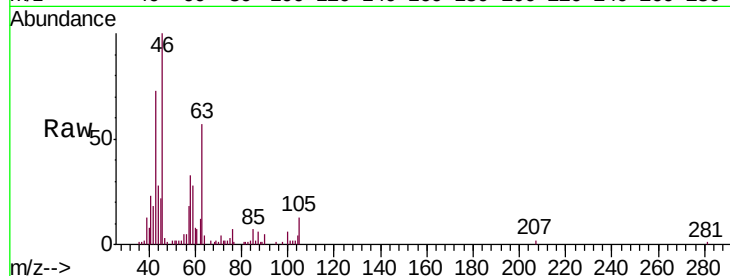




#48
2-Hexanone
Concen: 3.365 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

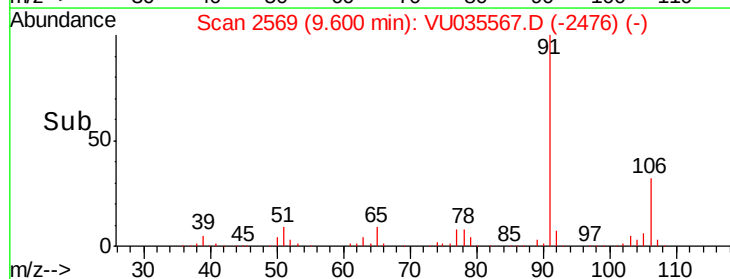
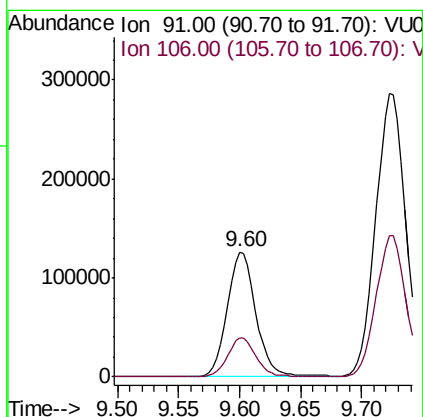
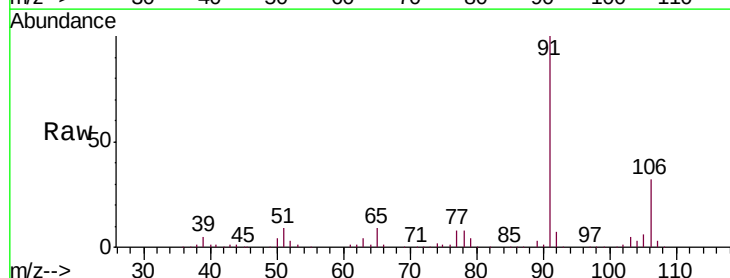
Instrument :
MSVOA_U
ClientSampleId :
BF6M1DL

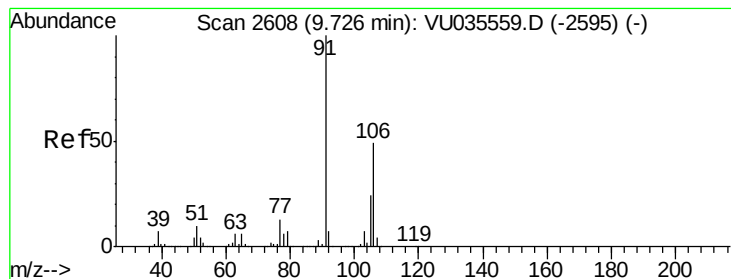
Tgt Ion: 43 Resp: 17314
Ion Ratio Lower Upper
43 100
58 61.9 50.4 75.6
57 15.0 17.4 26.0#
100 10.0 10.5 15.7#



#52
Ethylbenzene
Concen: 10.619 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Tgt Ion: 91 Resp: 210135
Ion Ratio Lower Upper
91 100
106 31.7 21.6 40.0





#53

m,p-Xylene

Concen: 33.460 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035567.D

Acq: 30 Oct 2019 17:51

Instrument :

MSVOA_U

ClientSampleId :

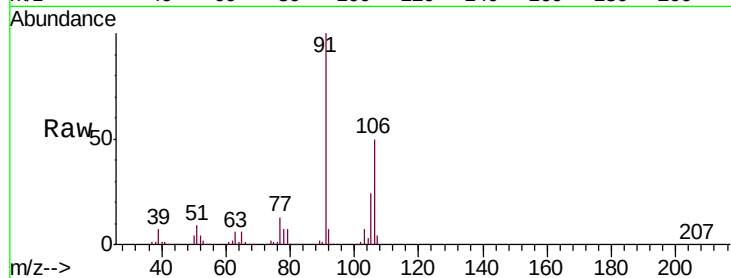
BF6M1DL

Tgt Ion:106 Resp: 248453

Ion Ratio Lower Upper

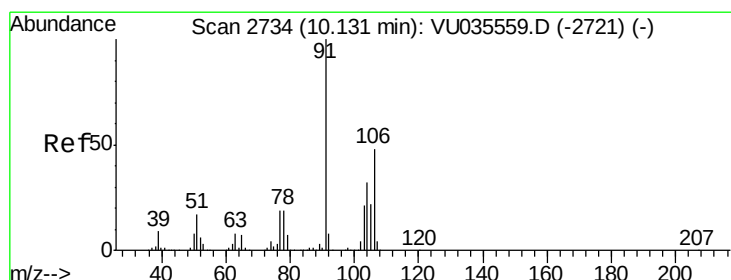
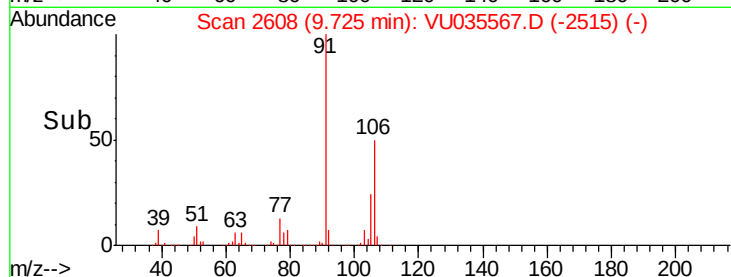
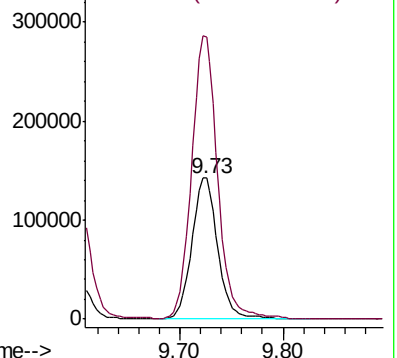
106 100

91 200.1 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 22.945 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035567.D

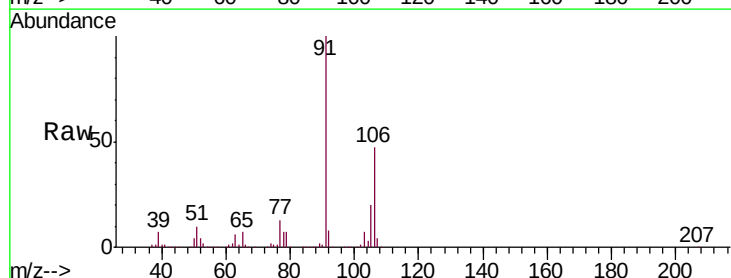
Acq: 30 Oct 2019 17:51

Tgt Ion:106 Resp: 166523

Ion Ratio Lower Upper

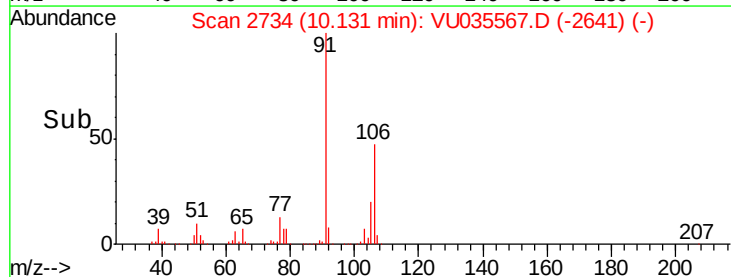
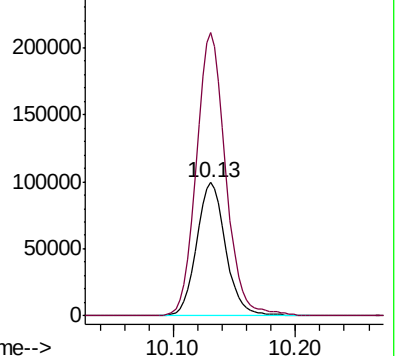
106 100

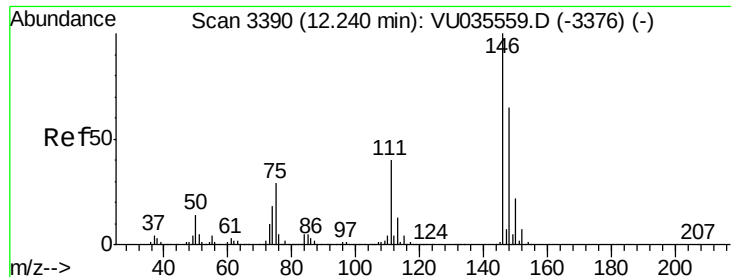
91 212.5 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

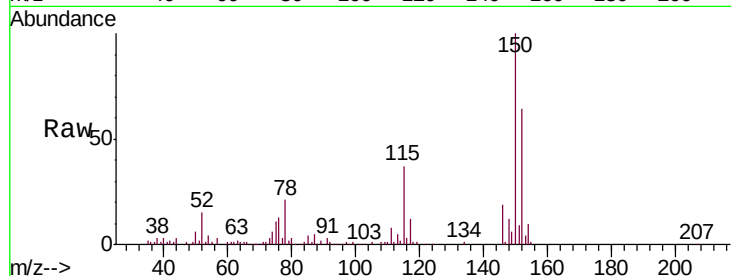




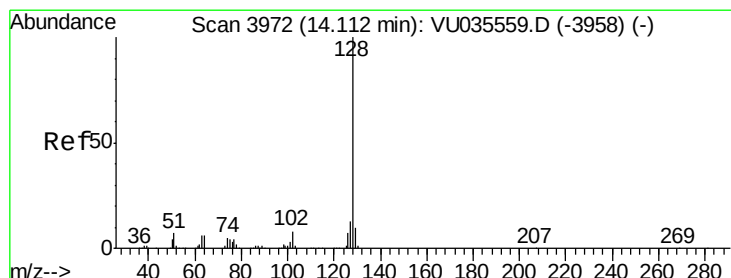
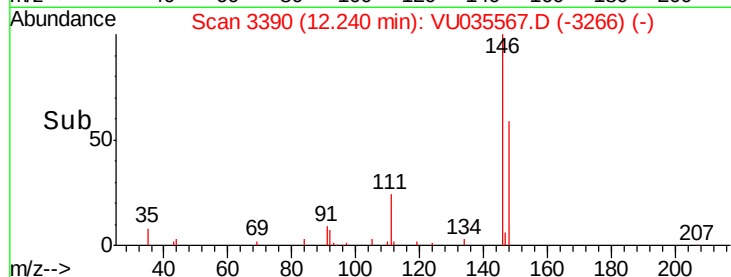
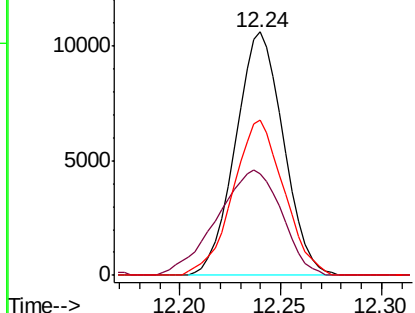
#65
1,2-Dichlorobenzene
Concen: 2.344 ug/L
RT: 12.24 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Instrument :
MSVOA_U
ClientSampleId :
BF6M1DL

Tgt Ion:146 Resp: 17684
Ion Ratio Lower Upper
146 100
111 42.0 32.4 48.6
148 63.8 51.8 77.6

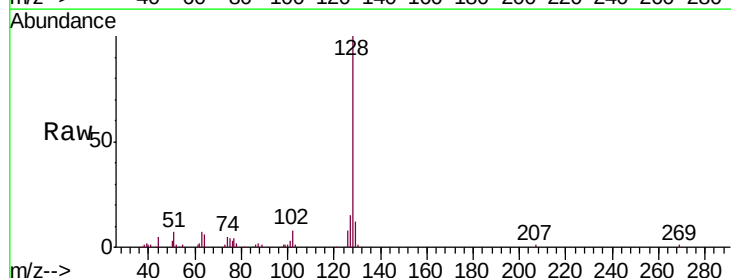


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#69
Naphthalene
Concen: 6.849 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Tgt Ion:128 Resp: 50387
Ion Ratio Lower Upper
128 100
127 14.9 10.7 16.1
129 11.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

