

Data File : VU035562.D
Acq On : 30 Oct 2019 15:17
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK44

Quant Time: Oct 31 00:43:51 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	693741	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	655645	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	204024	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	276015	49.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.52%
7) Chloroethane-d5	1.94	69	228448	51.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.10%
11) 1,1-Dichloroethene-d2	2.60	63	329155	37.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.54%
21) 2-Butanone-d5	4.70	46	338356	103.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.38%
24) Chloroform-d	5.12	84	424222	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
26) 1,2-Dichloroethane-d4	5.75	65	272878	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.96%
32) Benzene-d6	5.78	84	912845	53.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.82%
36) 1,2-Dichloropropane-d6	6.74	67	296876	53.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.14%
41) Toluene-d8	7.93	98	829215	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%
43) trans-1,3-Dichloropropene-	8.22	79	133487	52.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.58%
47) 2-Hexanone-d5	8.68	63	217255	102.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.28%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	384864	48.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.66%
64) 1,2-Dichlorobenzene-d4	12.22	152	232102	56.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4650	1.078 ug/L #	38
12) 1,1-Dichloroethene	2.60	96	4047	0.955 ug/L #	1
13) Acetone	2.67	43	5396	1.874 ug/L	96
14) Carbon disulfide	2.83	76	25781	1.975 ug/L	98
22) 2-Butanone	4.78	43	6410	1.686 ug/L	96
40) 4-Methyl-2-pentanone	7.84	43	21591	3.271 ug/L	97
48) 2-Hexanone	8.73	43	43943	8.186 ug/L #	93
58) 1,1,2,2-Tetrachloroethane	10.81	83	7721	0.948 ug/L #	93
59) 1,2,3-Trichloropropane	10.85	75	7198	1.119 ug/L	93
62) 1,3-Dichlorobenzene	11.78	146	14438	2.243 ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	18061	2.762 ug/L	93
65) 1,2-Dichlorobenzene	12.24	146	15667	2.391 ug/L	91
66) 1,2-Dibromo-3-chloropropan	13.02	75	3504	3.449 ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	17665	4.751 ug/L	94
68) 1,2,4-trichlorobenzene	13.86	180	22420	9.001 ug/L	97
69) Naphthalene	14.11	128	76935	12.042 ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	29618	11.036 ug/L	98

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

Data File : VU035562.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035562.D

Acq On : 30 Oct 2019 15:17

```
Operator      : JC/SP
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Sample : VIBLK40

Misc : 5.0mL/MSVOA U/WATER

```
ALS Vial      : 8      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VIBLK44

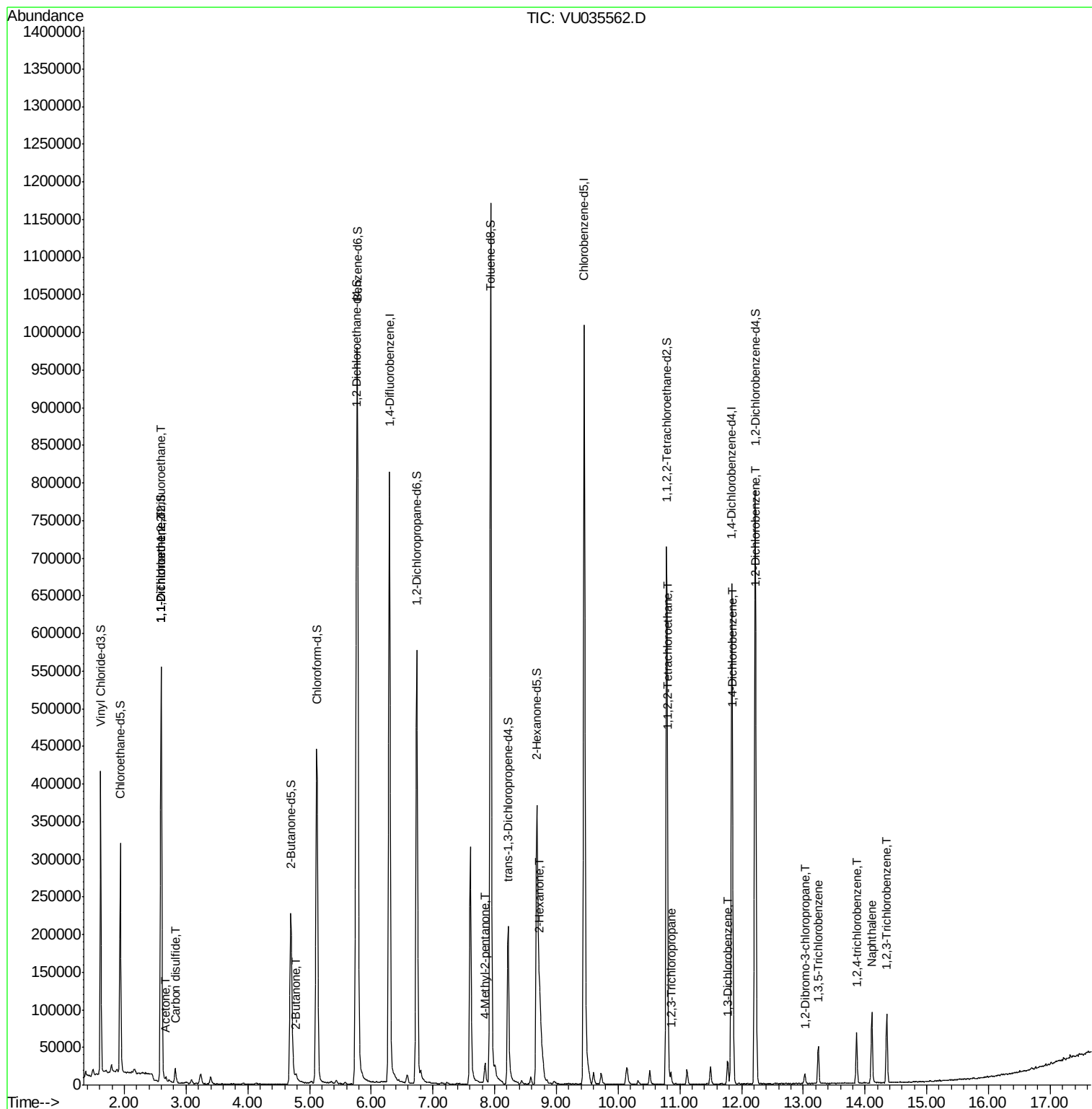
Quant Time: Oct 31 00:43:51 2019

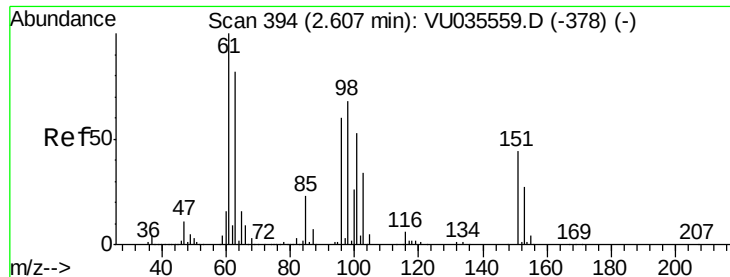
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM103119WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 31 00:14:38 2019

Response via : Initial Calibration





#10

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

Concen: 1.078 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035562.D

Acq: 30 Oct 2019 15:17

Instrument :

MSVOA_U

ClientSampleId :

VIBLK44

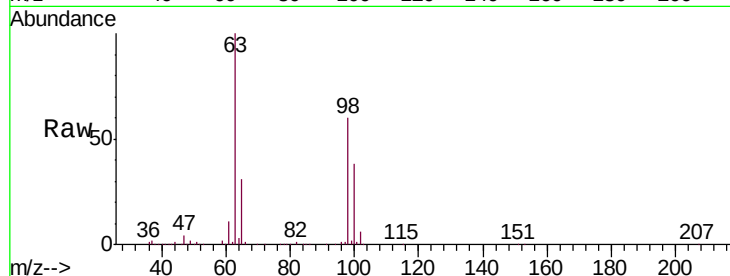
Tgt Ion: 101 Resp: 4650

Ion Ratio Lower Upper

101 100

85 6.3 34.0 51.0#

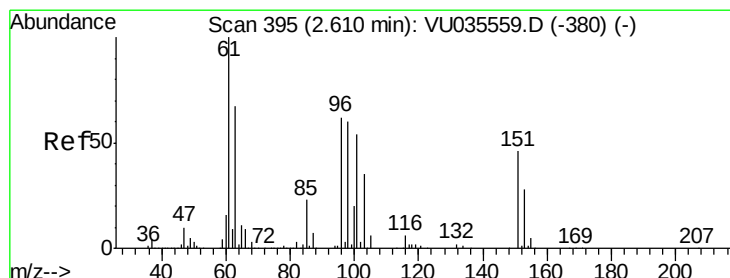
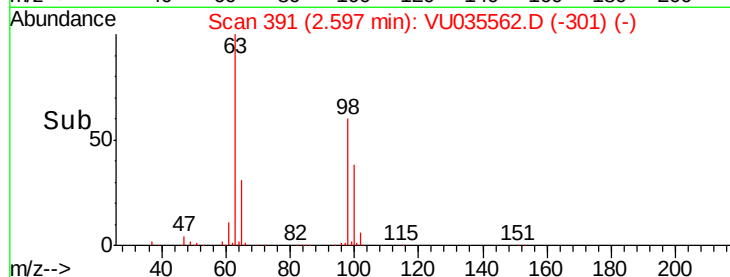
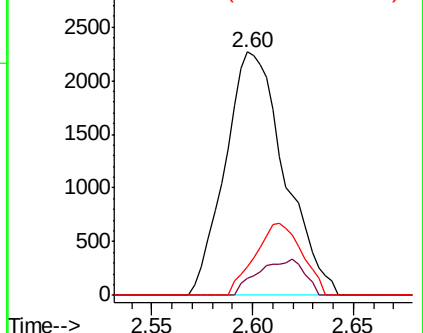
151 23.6 64.2 96.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.955 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: VU035562.D

Acq: 30 Oct 2019 15:17

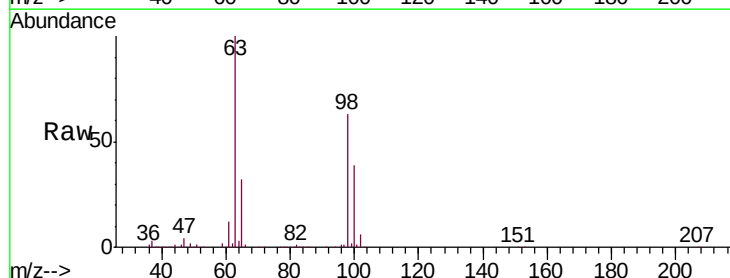
Tgt Ion: 96 Resp: 4047

Ion Ratio Lower Upper

96 100

61 995.0 113.1 210.1#

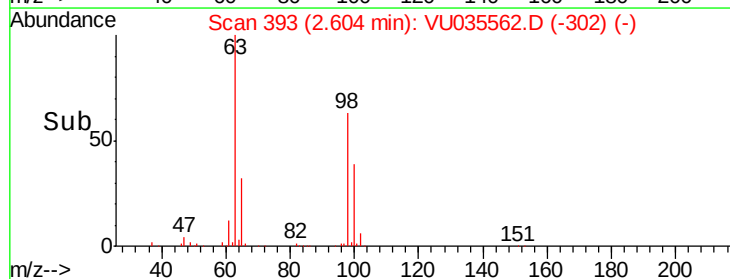
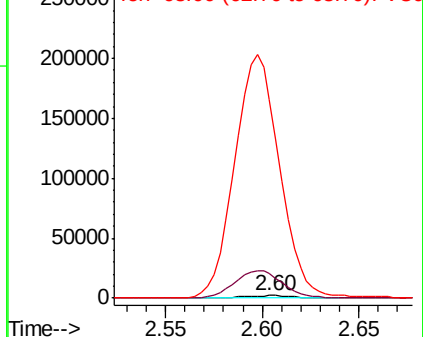
63 8186.7 76.2 141.4#

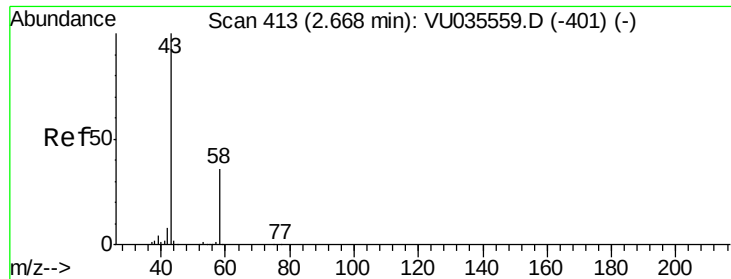


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.874 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035562.D

Acq: 30 Oct 2019 15:17

Instrument :

MSVOA_U

ClientSampleId :

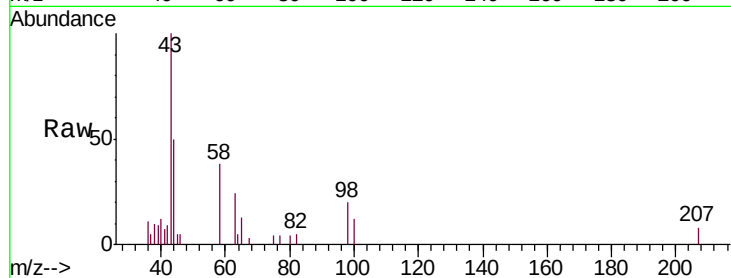
VIBLK44

Tgt Ion: 43 Resp: 5396

Ion Ratio Lower Upper

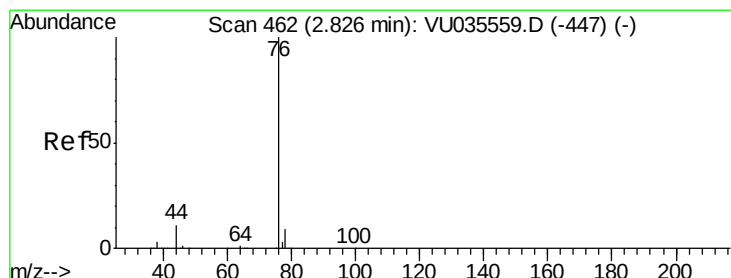
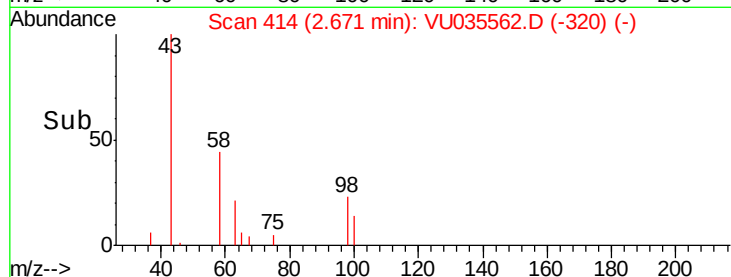
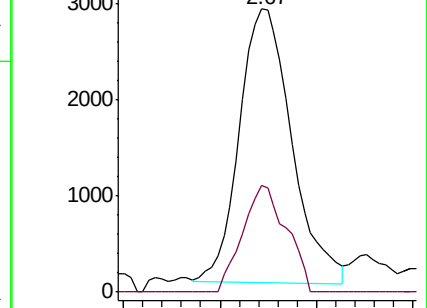
43 100

58 32.5 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035559.D (-401) (-)

Ion 58.00 (57.70 to 58.70): VU035559.D (-401) (-)



#14

Carbon disulfide

Concen: 1.975 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU035562.D

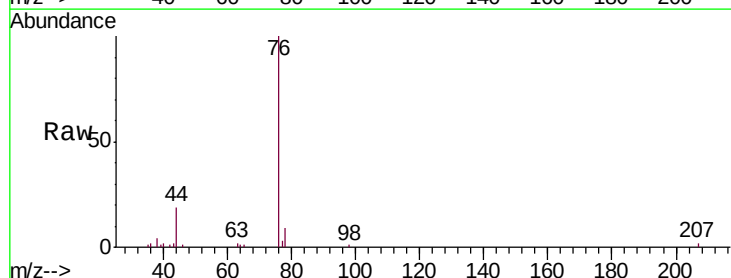
Acq: 30 Oct 2019 15:17

Tgt Ion: 76 Resp: 25781

Ion Ratio Lower Upper

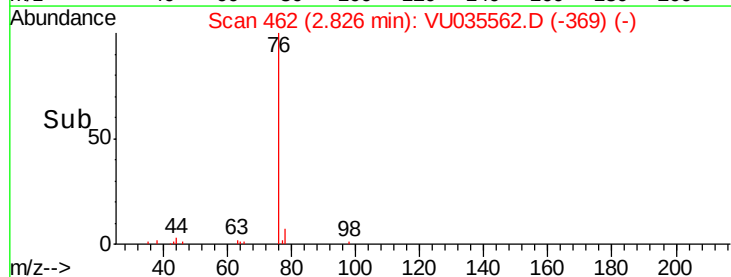
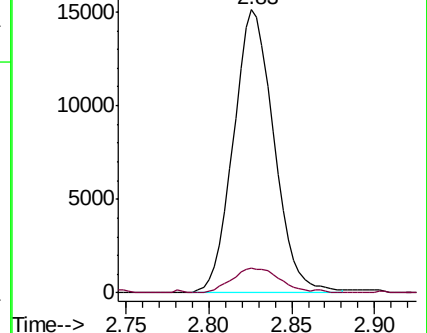
76 100

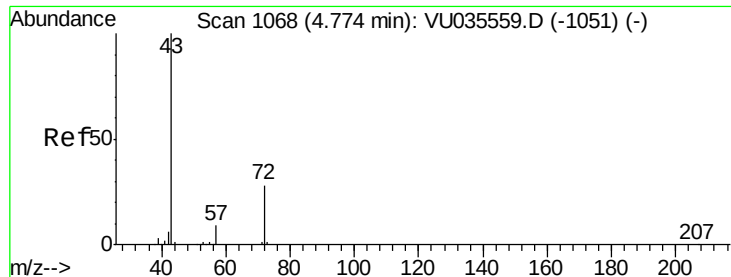
78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU035559.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035559.D (-447) (-)





#22

2-Butanone

Concen: 1.686 ug/L

RT: 4.78 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VU035562.D

Acq: 30 Oct 2019 15:17

Instrument :

MSVOA_U

ClientSampleId :

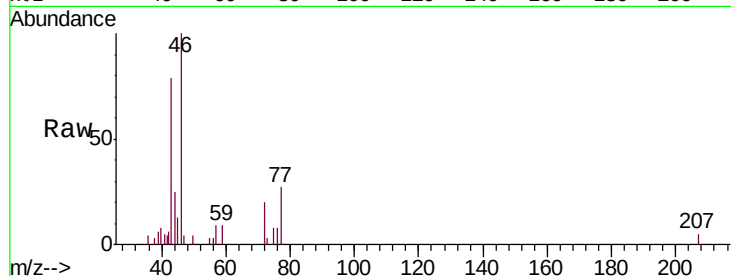
VIBLK44

Tgt Ion: 43 Resp: 6410

Ion Ratio Lower Upper

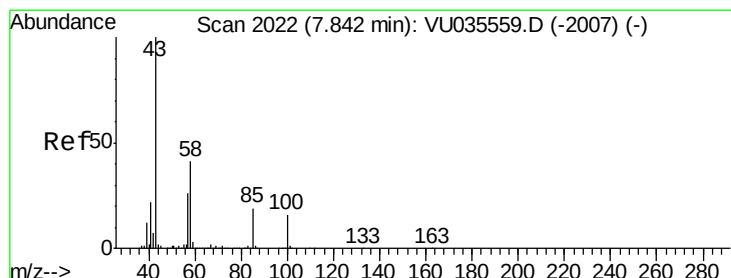
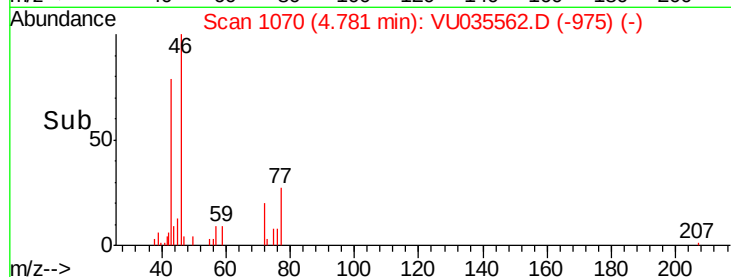
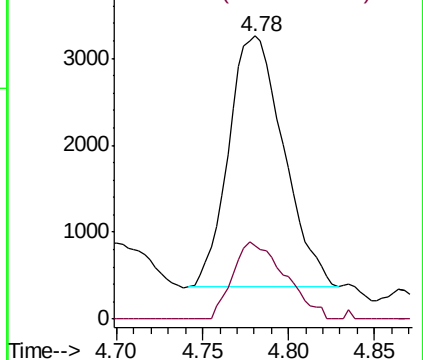
43 100

72 28.9 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VU035559.D (-1051) (-)

Ion 72.00 (71.70 to 72.70): VU035559.D (-1051) (-)



#40

4-Methyl-2-pentanone

Concen: 3.271 ug/L

RT: 7.84 min Scan# 2023

Delta R.T. 0.00 min

Lab File: VU035562.D

Acq: 30 Oct 2019 15:17

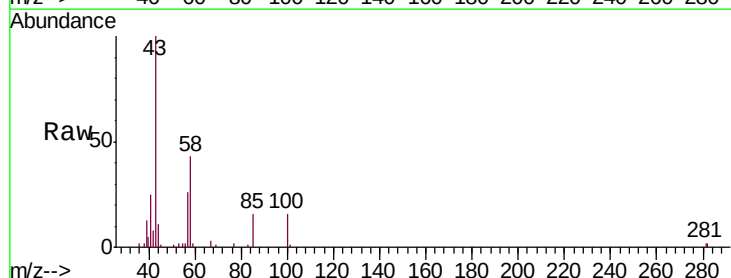
Tgt Ion: 43 Resp: 21591

Ion Ratio Lower Upper

43 100

58 38.8 32.6 49.0

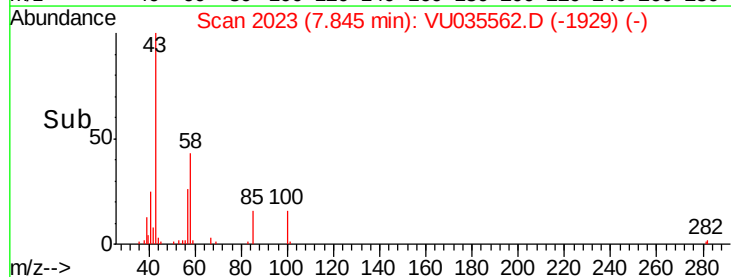
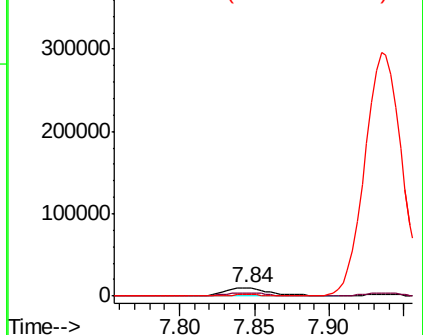
100 14.9 12.6 19.0

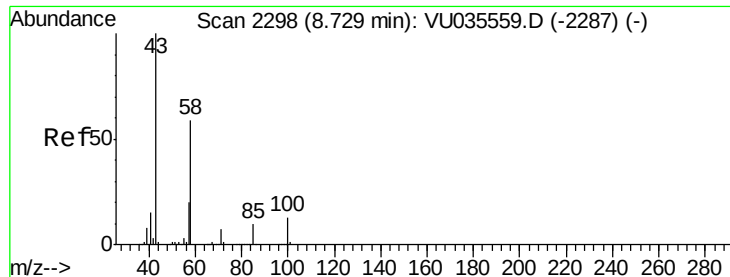


Abundance Ion 43.00 (42.70 to 43.70): VU035559.D (-2007) (-)

Ion 58.00 (57.70 to 58.70): VU035559.D (-2007) (-)

Ion 100.00 (99.70 to 100.70): VU035559.D (-2007) (-)

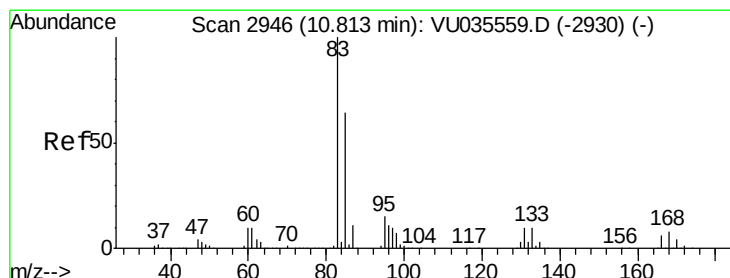
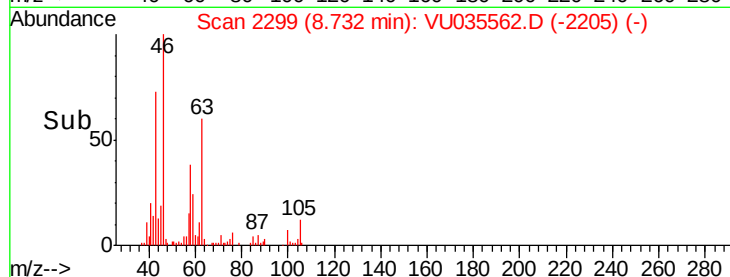
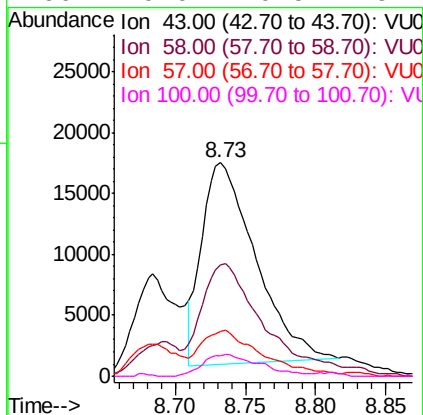
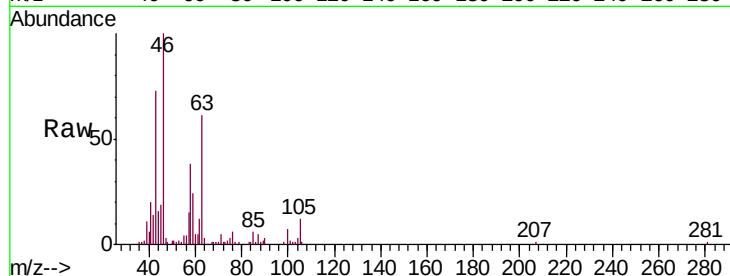




#48
 2-Hexanone
 Concen: 8.186 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VU035562.D
 Acq: 30 Oct 2019 15:17

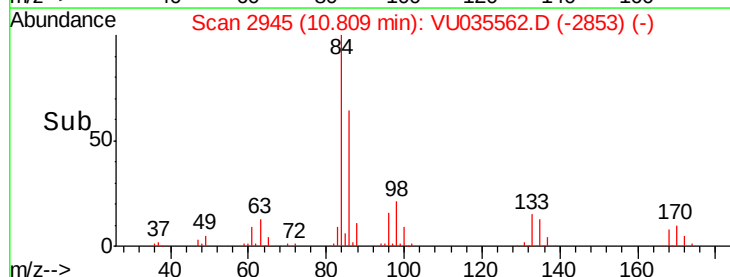
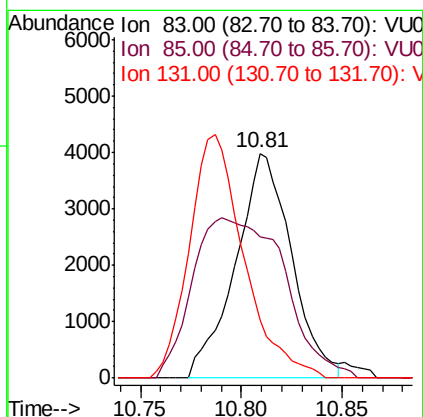
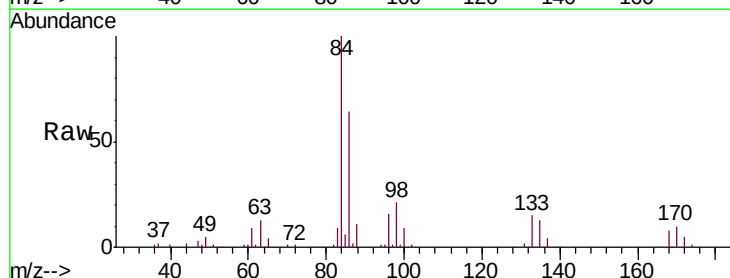
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK44

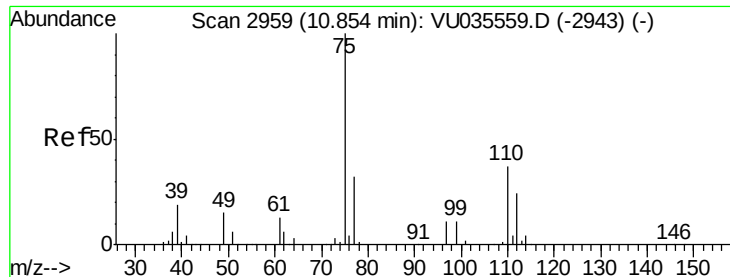
Tgt Ion:	43	Resp:	43943
Ion	Ratio	Lower	Upper
43	100		
58	58.3	50.4	75.6
57	25.2	17.4	26.0
100	9.0	10.5	15.7#



#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.948 ug/L
 RT: 10.81 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VU035562.D
 Acq: 30 Oct 2019 15:17

Tgt Ion:	83	Resp:	7721
Ion	Ratio	Lower	Upper
83	100		
85	62.9	44.6	82.8
131	25.8	8.2	12.4#





#59

1,2,3-Trichloropropane

Concen: 1.119 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035562.D

Acq: 30 Oct 2019 15:17

Instrument :

MSVOA_U

ClientSampleId :

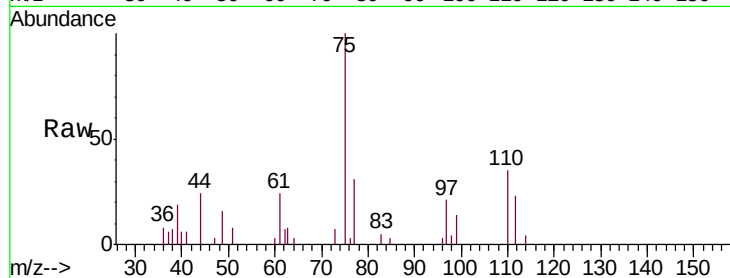
VIBLK44

Tgt Ion: 75 Resp: 7198

Ion Ratio Lower Upper

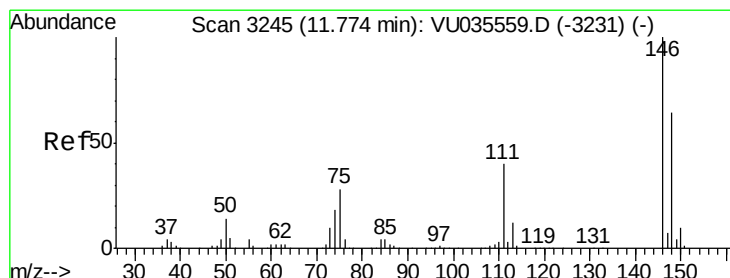
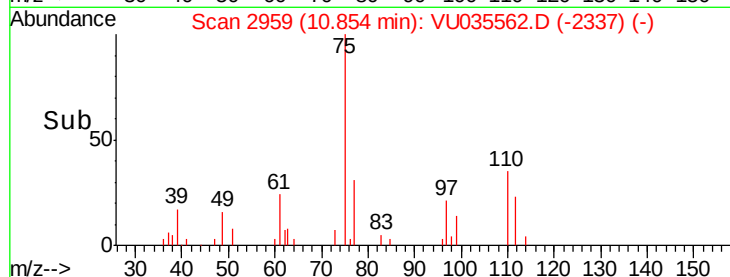
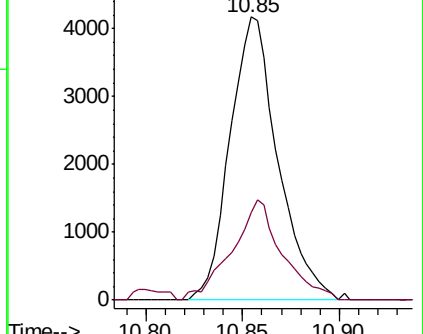
75 100

77 36.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU035559.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU035559.D (-2943) (-)



#62

1,3-Dichlorobenzene

Concen: 2.243 ug/L

RT: 11.78 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VU035562.D

Acq: 30 Oct 2019 15:17

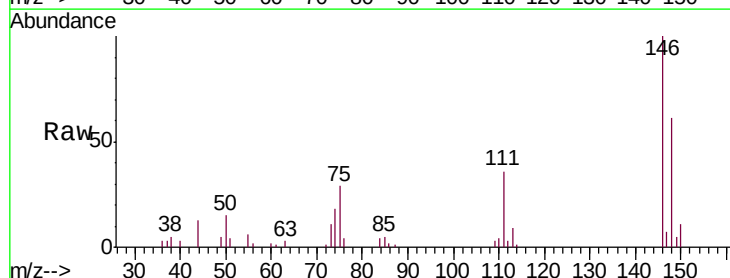
Tgt Ion: 146 Resp: 14438

Ion Ratio Lower Upper

146 100

111 36.4 27.8 51.6

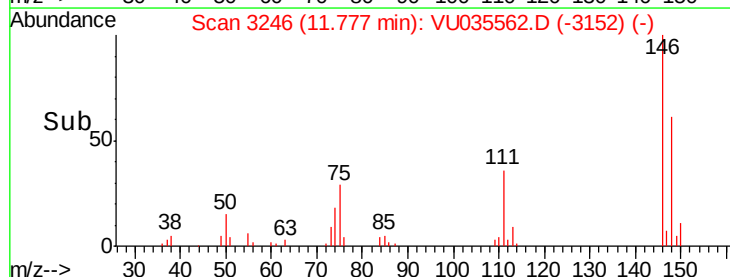
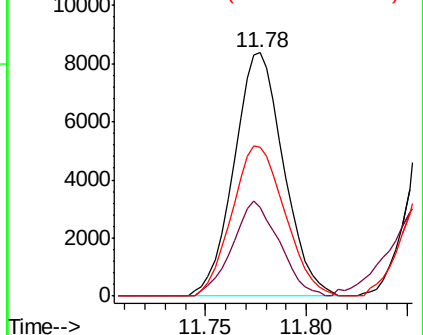
148 61.3 44.5 82.7

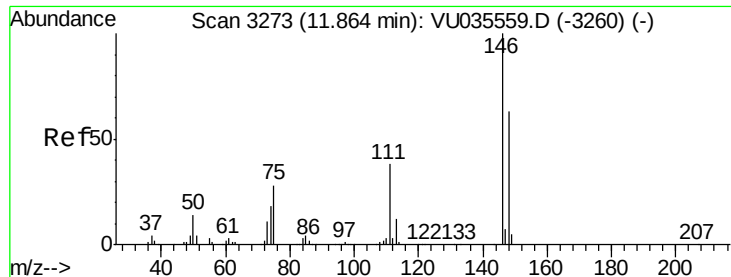


Abundance Ion 146.00 (145.70 to 146.70): VU035559.D (-3231) (-)

Ion 111.00 (110.70 to 111.70): VU035559.D (-3231) (-)

Ion 148.00 (147.70 to 148.70): VU035559.D (-3231) (-)

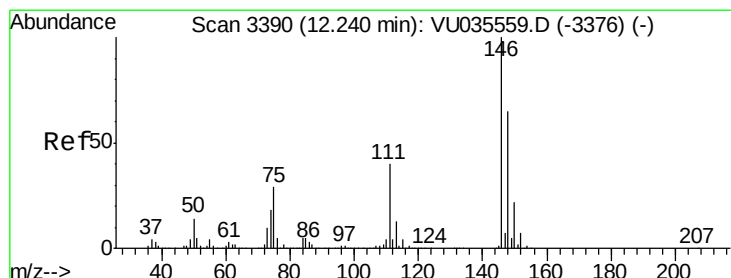
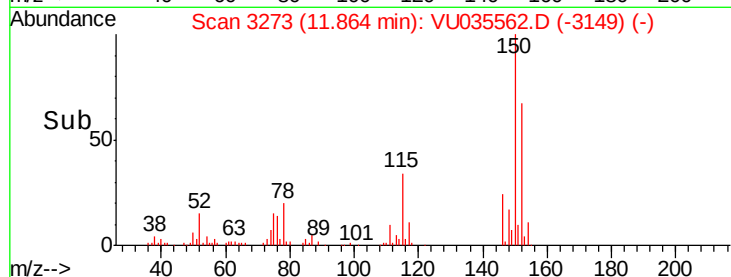
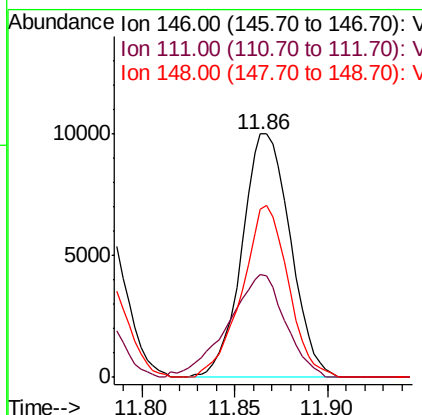
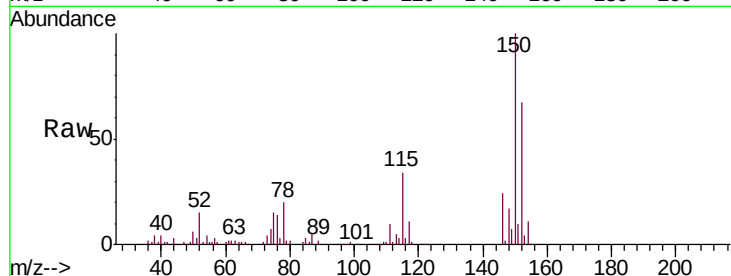




#63
 1,4-Dichlorobenzene
 Concen: 2.762 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035562.D
 Acq: 30 Oct 2019 15:17

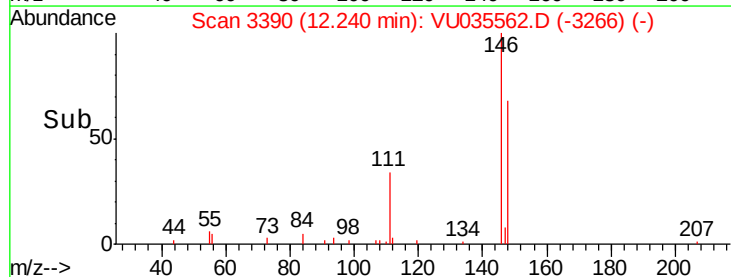
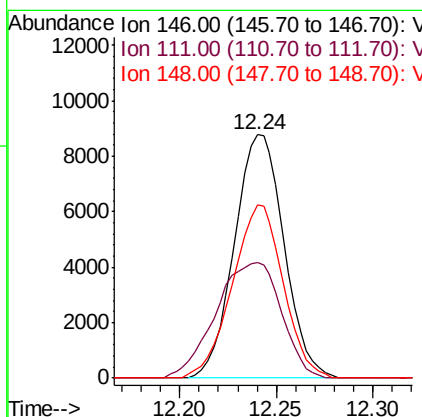
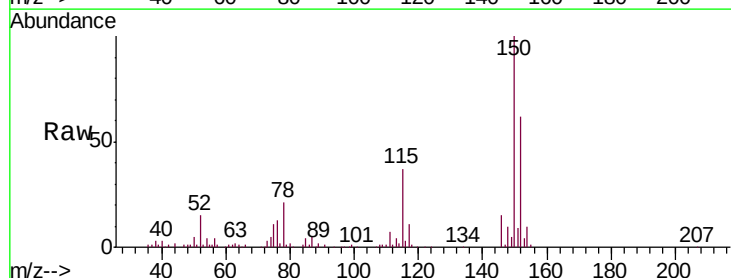
Instrument :
 MSVOA_U
 ClientSampled :
 VIBLK44

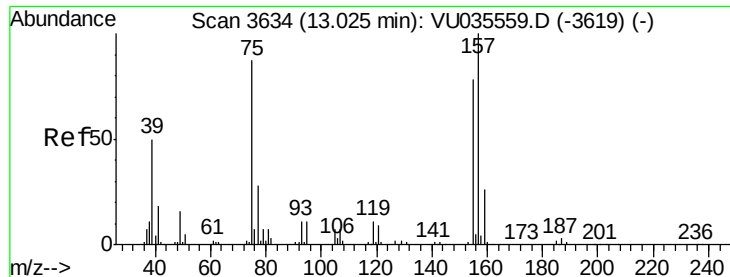
Tgt Ion:146 Resp: 18061
 Ion Ratio Lower Upper
 146 100
 111 42.5 26.5 49.1
 148 69.0 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 2.391 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035562.D
 Acq: 30 Oct 2019 15:17

Tgt Ion:146 Resp: 15667
 Ion Ratio Lower Upper
 146 100
 111 47.4 32.4 48.6
 148 71.0 51.8 77.6

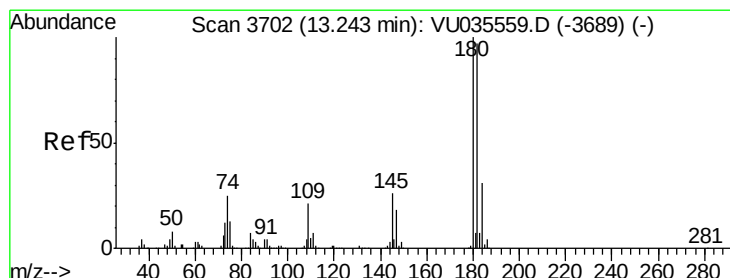
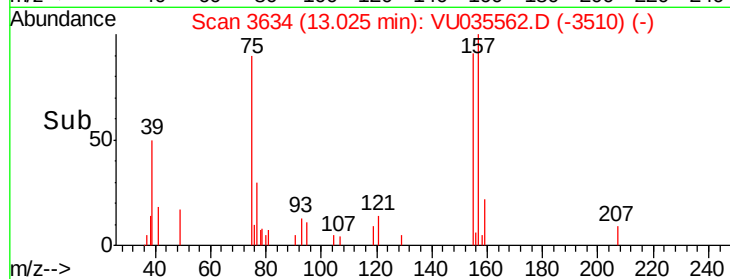
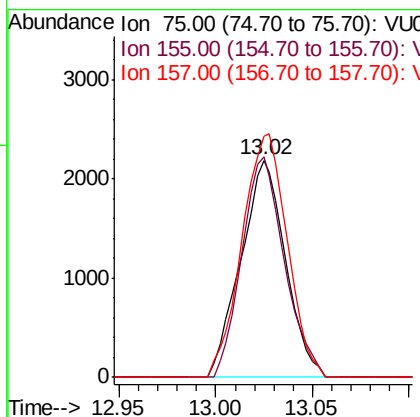
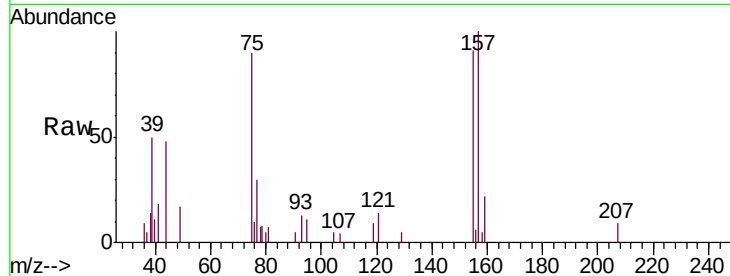




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.449 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035562.D
 Acq: 30 Oct 2019 15:17

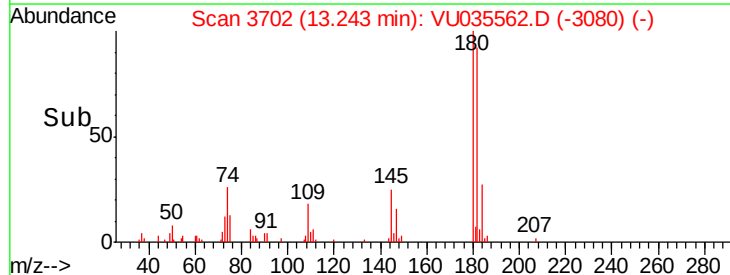
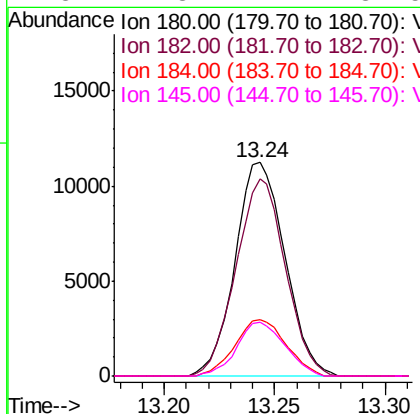
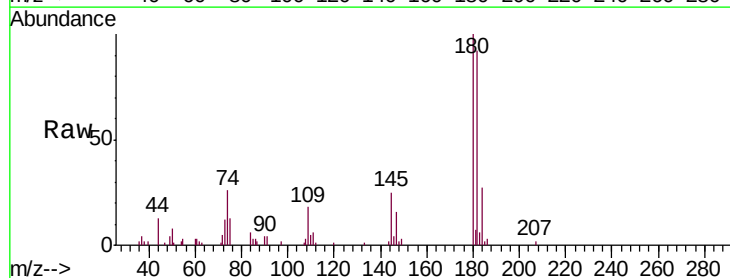
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK44

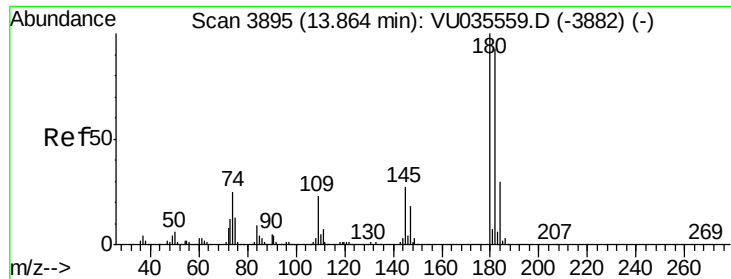
Tgt Ion: 75 Resp: 3504
 Ion Ratio Lower Upper
 75 100
 155 101.5 72.2 108.4
 157 111.2 92.1 138.1



#67
 1,3,5-Trichlorobenzene
 Concen: 4.751 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035562.D
 Acq: 30 Oct 2019 15:17

Tgt Ion: 180 Resp: 17665
 Ion Ratio Lower Upper
 180 100
 182 91.0 77.0 115.4
 184 27.0 24.6 36.8
 145 24.3 21.7 32.5

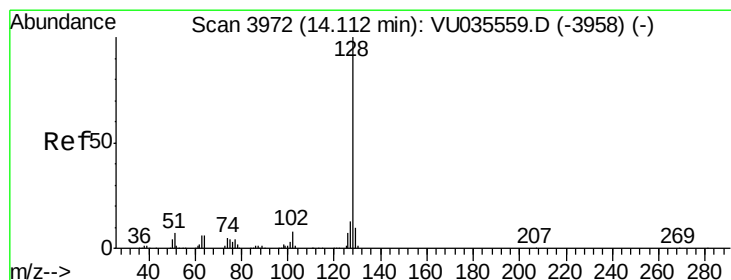
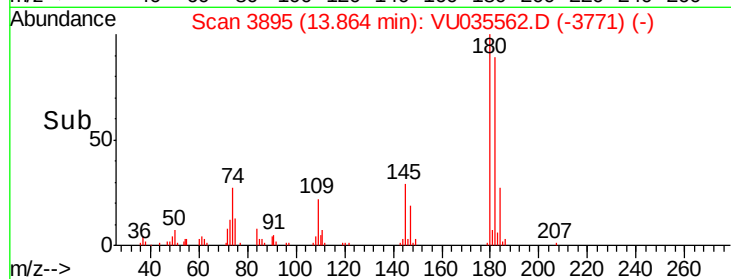
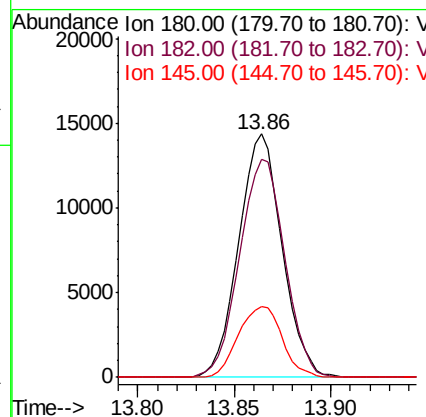
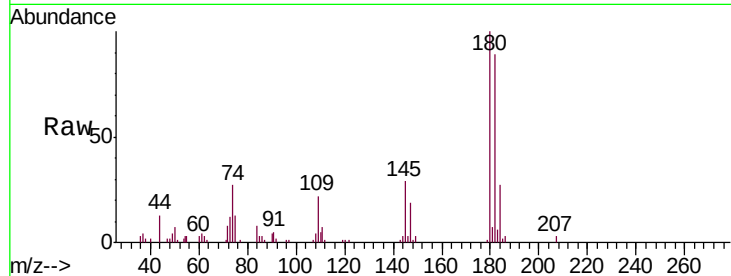




#68
 1,2,4-trichlorobenzene
 Concen: 9.001 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035562.D
 Acq: 30 Oct 2019 15:17

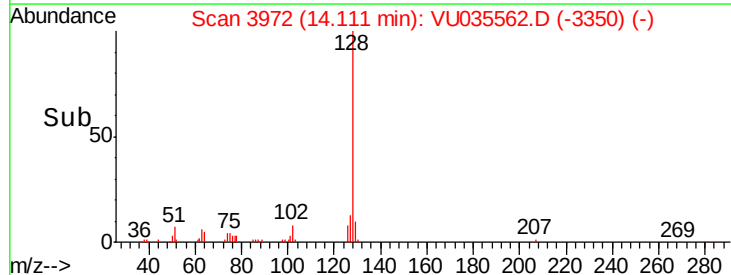
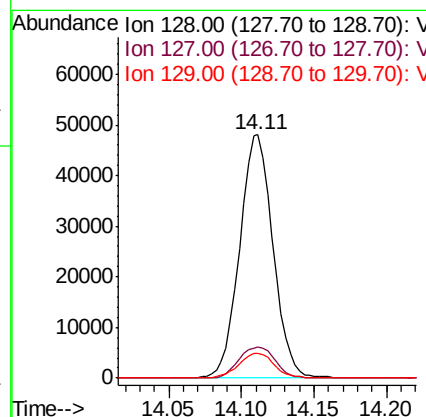
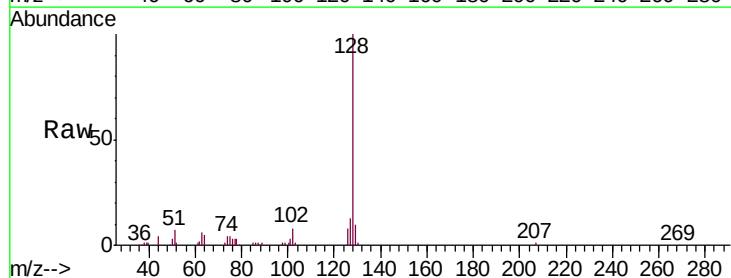
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK44

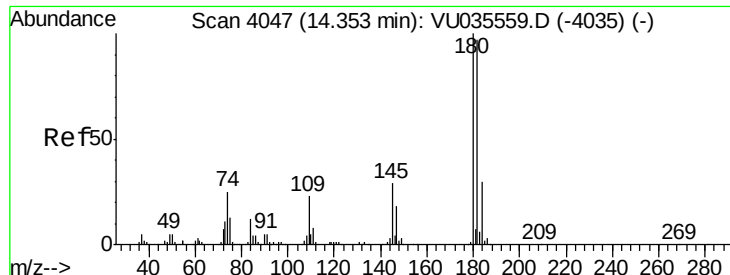
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.6	115.0
145	29.3	21.9	32.9



#69
 Naphthalene
 Concen: 12.042 ug/L
 RT: 14.11 min Scan# 3972
 Delta R.T. -0.00 min
 Lab File: VU035562.D
 Acq: 30 Oct 2019 15:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	10.6	8.5	12.7





#70

1,2,3-Trichlorobenzene

Concen: 11.036 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035562.D

Acq: 30 Oct 2019 15:17

Instrument :

MSVOA_U

ClientSampleId :

VIBLK44

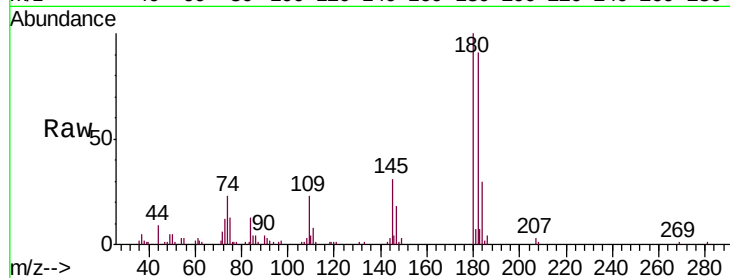
Tgt Ion:180 Resp: 29618

Ion Ratio Lower Upper

180 100

182 95.0 77.6 116.4

145 31.1 23.4 35.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

