

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080819\
 Data File : VU033685.D
 Acq On : 09 Aug 2019 10:38
 Operator : JC/SP
 Sample : K4215-06
 Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 09 14:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 14:36:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	380716	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	423322	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	255743	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	112922	26.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	52.54%#
7) Chloroethane-d5	1.63	69	97450	26.79	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	53.58%#
11) 1,1-Dichloroethene-d2	2.23	63	193072	27.79	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.58%#
21) 2-Butanone-d5	4.17	46	149662	47.55	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	47.55%
24) Chloroform-d	4.62	84	220064	30.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	61.80%#
26) 1,2-Dichloroethane-d4	5.28	65	147360	32.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.18%#
32) Benzene-d6	5.31	84	478912	30.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	60.68%#
36) 1,2-Dichloropropane-d6	6.31	67	154220	30.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	61.46%#
41) Toluene-d8	7.55	98	573969	39.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.66%#
43) trans-1,3-Dichloropropene-	7.83	79	113562	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.46%
47) 2-Hexanone-d5	8.31	63	197109	78.44	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.44%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	324327	41.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	256792	36.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.50%#

Target Compounds

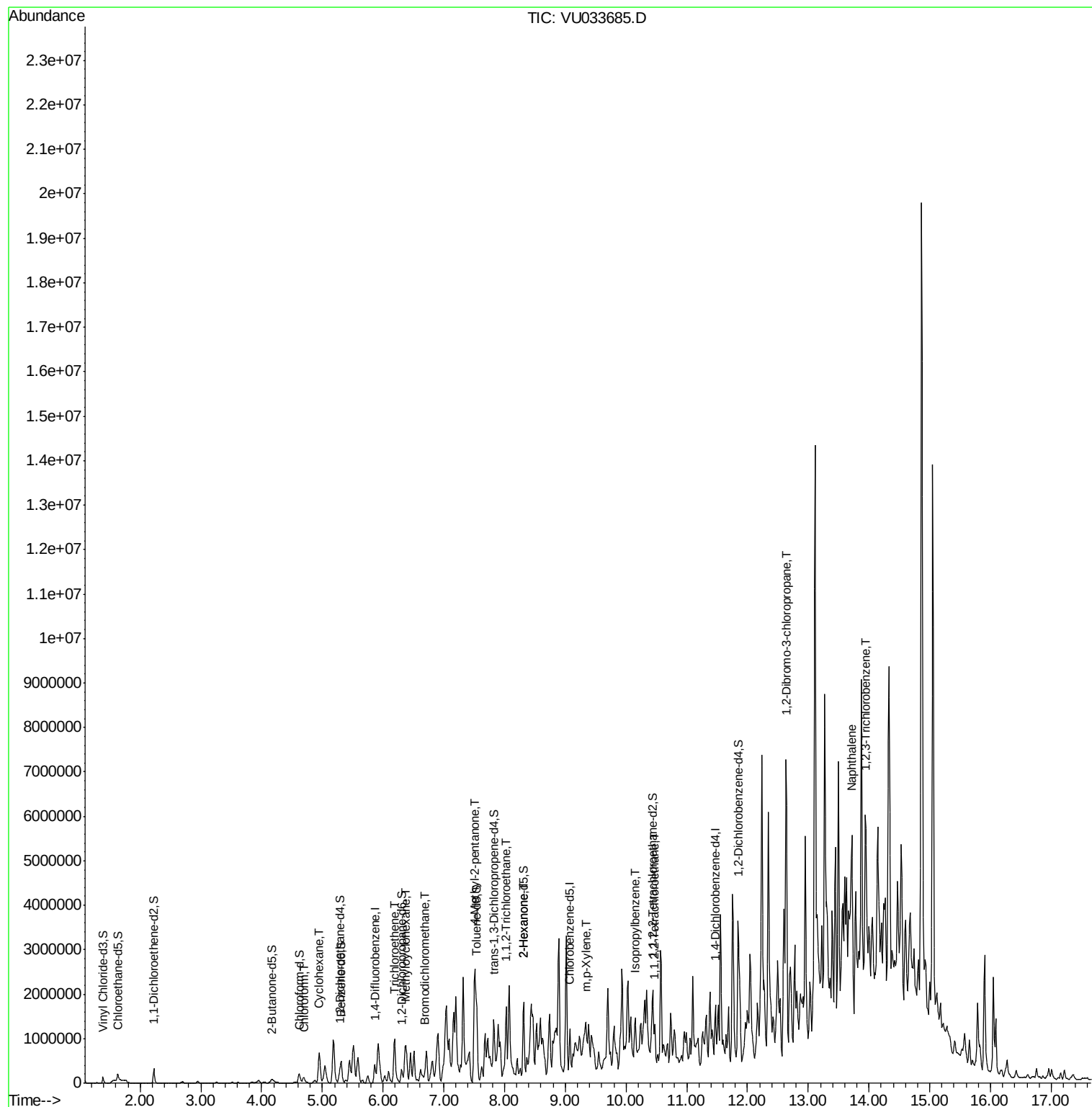
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.69	83	89116	15.541	ug/L #	20
29) Cyclohexane	4.95	56	141440	28.920	ug/L #	50
34) Trichloroethene	6.20	95	14456	4.217	ug/L #	20
35) Methylcyclohexane	6.39	83	315482	60.096	ug/L #	68
38) Bromodichloromethane	6.68	83	52862	11.314	ug/L #	50
40) 4-Methyl-2-pentanone	7.50	43	161387	30.801	ug/L #	54
45) 1,1,2-Trichloroethane	8.03	97	538263	156.375	ug/L #	20
48) 2-Hexanone	8.31	43	394390	91.297	ug/L #	22
53) m,p-Xylene	9.36	106	7407	1.269	ug/L #	1
56) Isopropylbenzene	10.15	105	319012	21.416	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	10.47	83	115769	18.314	ug/L #	35
66) 1,2-Dibromo-3-chloropropan	12.64	75	19679	12.127	ug/L #	16
69) Naphthalene	13.72	128	59020	3.723	ug/L #	1
70) 1,2,3-Trichlorobenzene	13.94	180	22717	4.009	ug/L #	1

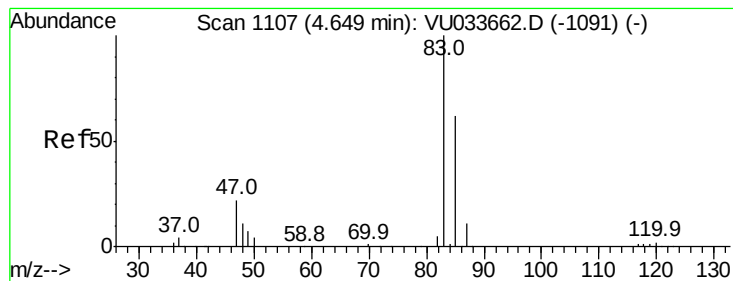
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 09 14:36:24 2019
Response via : Initial Calibration





#25

Chloroform

Concen: 15.541 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. 0.04 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

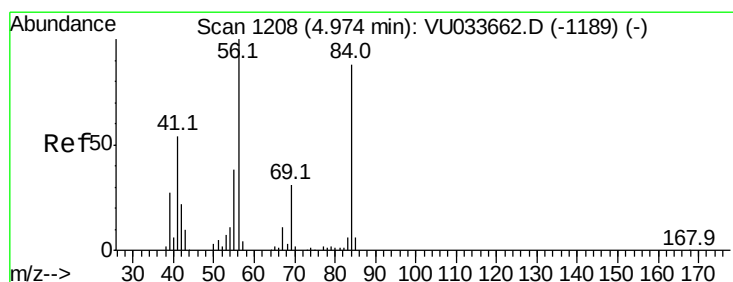
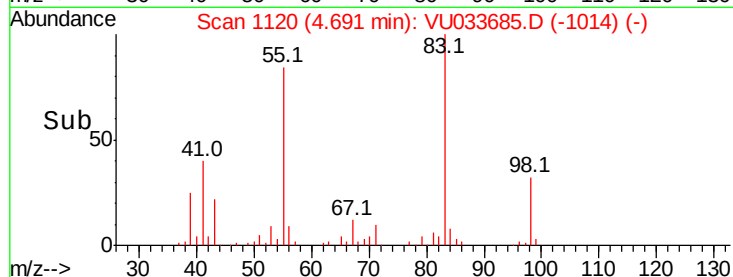
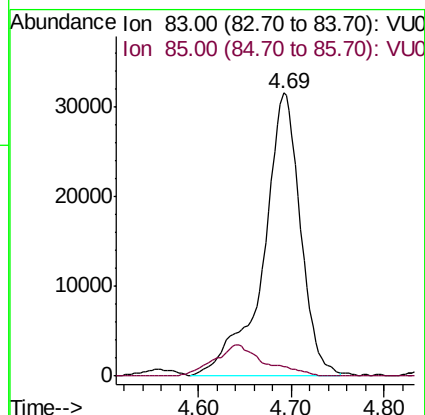
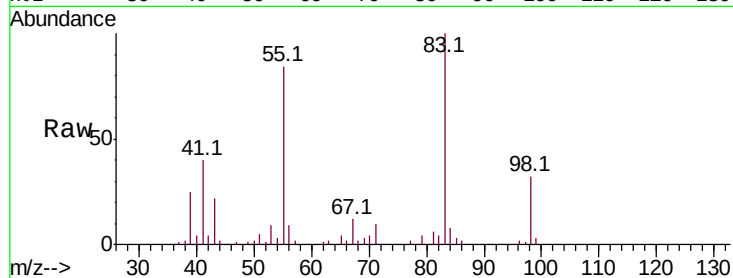
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 89116

Ion Ratio Lower Upper

83 100

85 3.4 47.2 87.6#



#29

Cyclohexane

Concen: 28.920 ug/L

RT: 4.95 min Scan# 1200

Delta R.T. -0.03 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

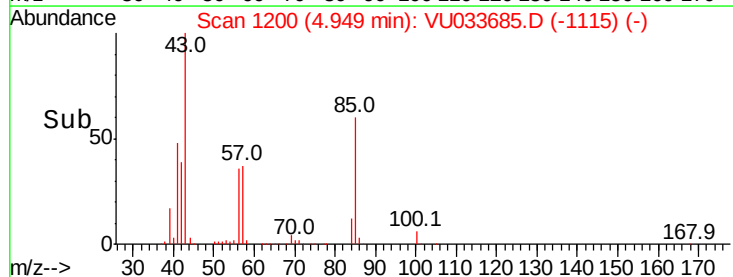
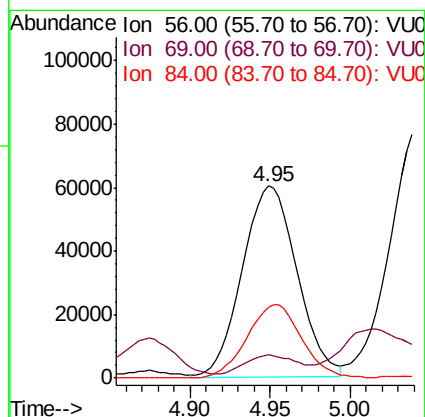
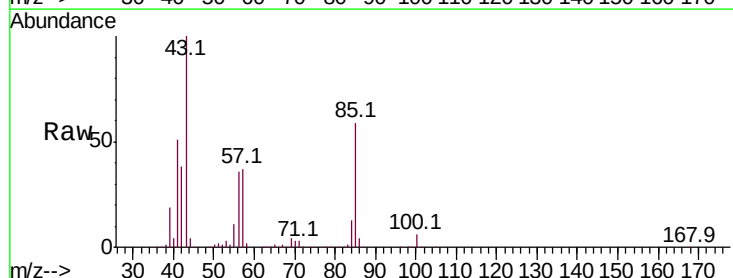
Tgt Ion: 56 Resp: 141440

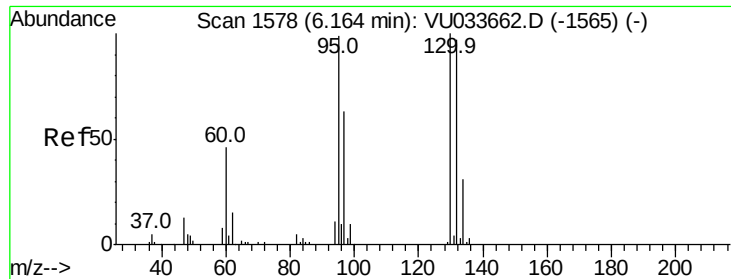
Ion Ratio Lower Upper

56 100

69 9.0 25.2 37.8#

84 38.7 70.2 105.2#





#34

Trichloroethene

Concen: 4.217 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.03 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 14456

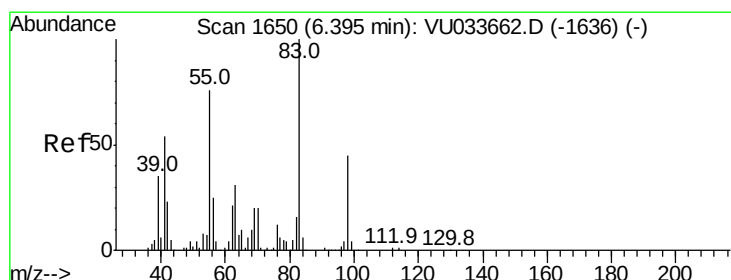
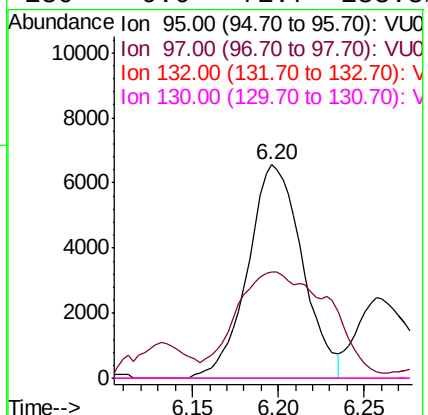
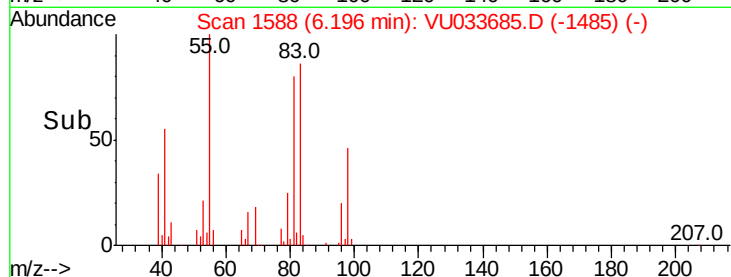
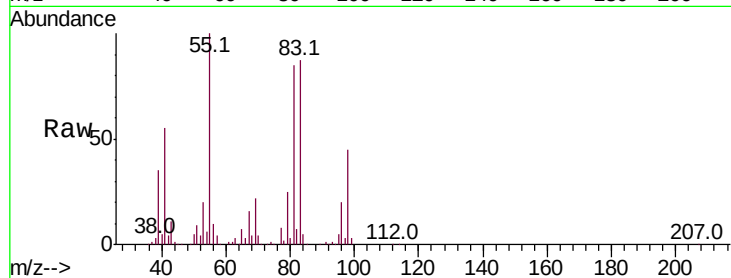
Ion Ratio Lower Upper

95 100

97 49.8 44.4 82.5

132 0.0 69.1 128.3#

130 0.0 71.7 133.3#



#35

Methylcyclohexane

Concen: 60.096 ug/L

RT: 6.39 min Scan# 1647

Delta R.T. -0.01 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

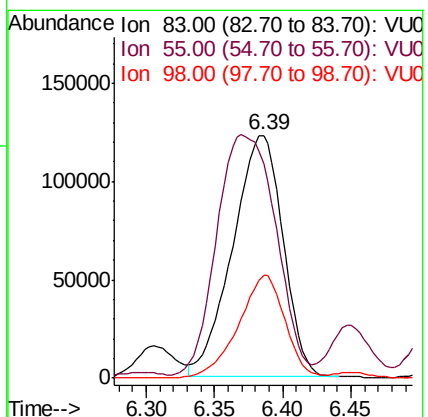
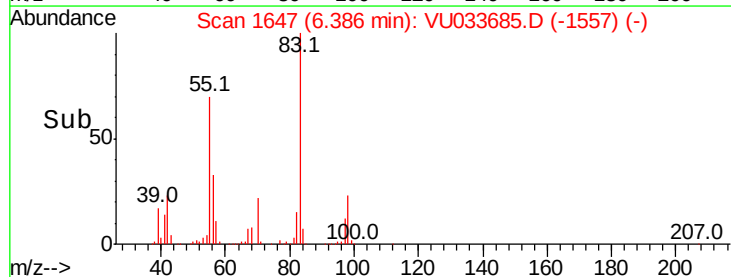
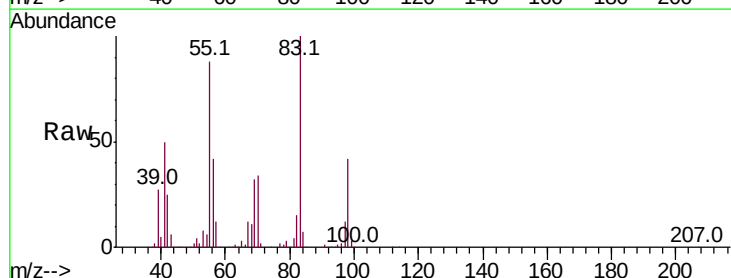
Tgt Ion: 83 Resp: 315482

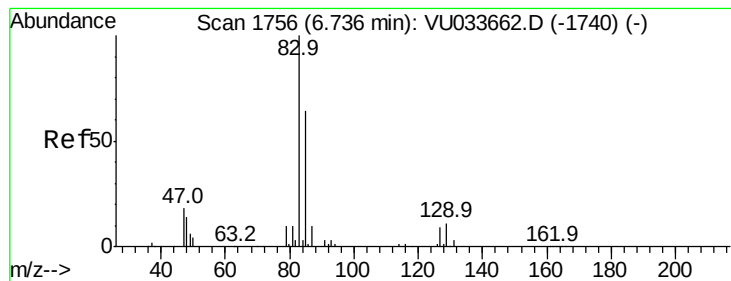
Ion Ratio Lower Upper

83 100

55 116.0 61.3 91.9#

98 39.4 36.7 55.1





#38

Bromodichloromethane

Concen: 11.314 ug/L

RT: 6.68 min Scan# 1739

Delta R.T. -0.05 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

Instrument :
MSVOA_U
ClientSampleId :

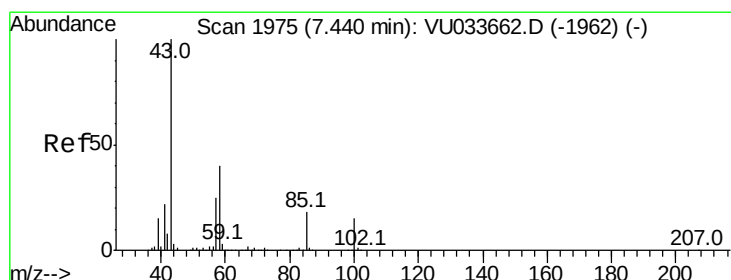
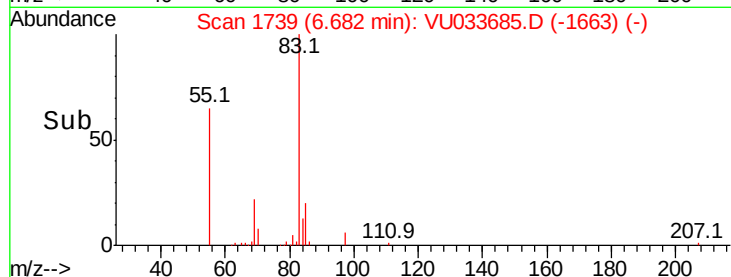
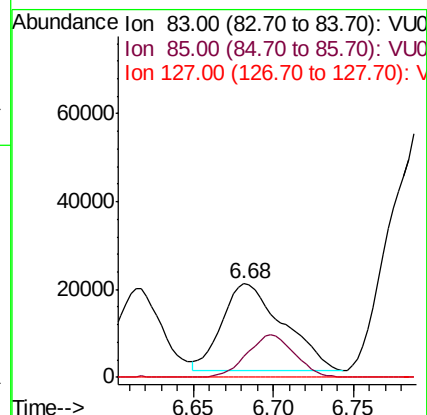
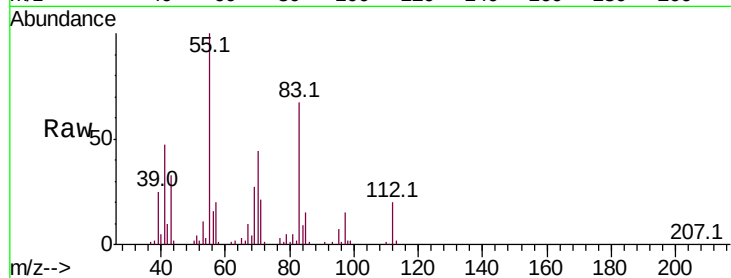
Tot Ion: 83 Resp: 52862

Ion Ratio Lower Upper

83 100

85 22.5 45.6 84.6#

127 0.0 7.0 10.4#



#40

4-Methyl-2-pentanone

Concen: 30.801 ug/L

RT: 7.50 min Scan# 1995

Delta R.T. 0.06 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

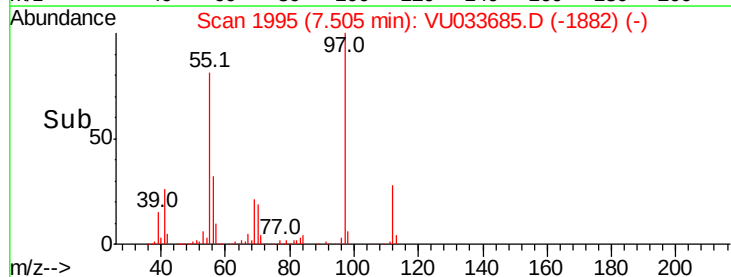
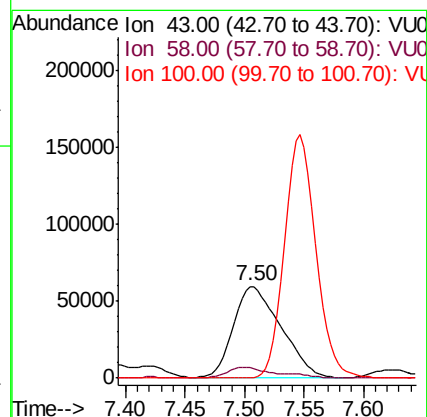
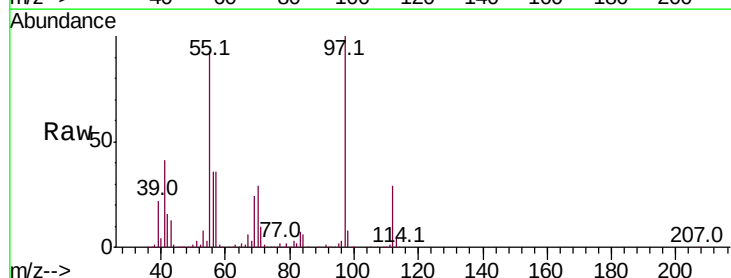
Tgt Ion: 43 Resp: 161387

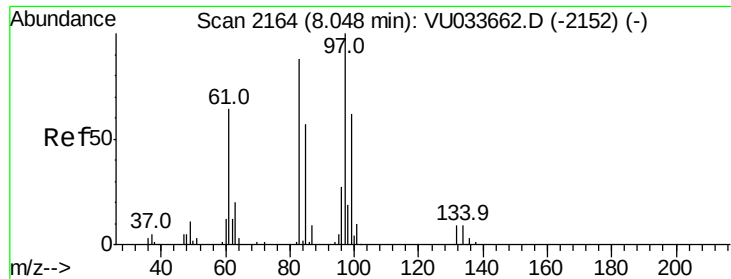
Ion Ratio Lower Upper

43 100

58 10.4 32.7 49.1#

100 0.0 12.2 18.4#

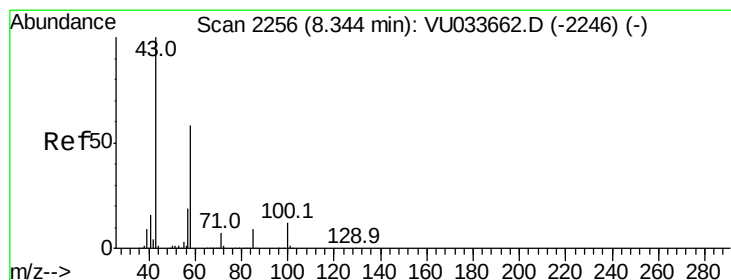
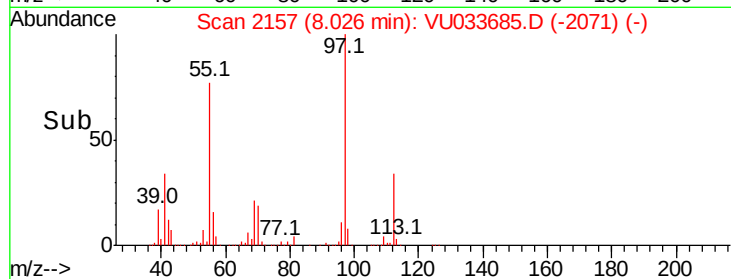
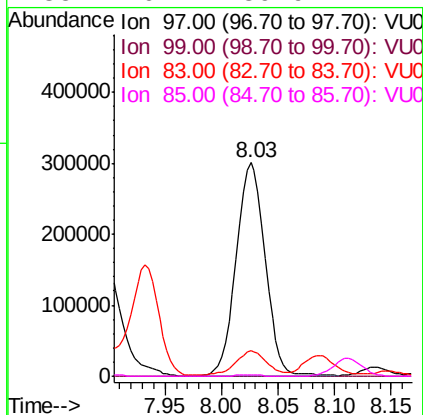
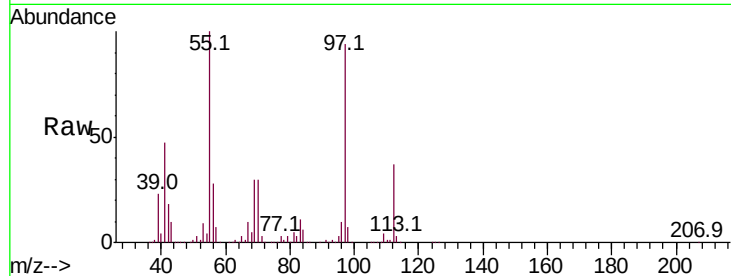




#45
 1,1,2-Trichloroethane
 Concen: 156.375 ug/L
 RT: 8.03 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: VU033685.D
 Acq: 09 Aug 2019 10:38

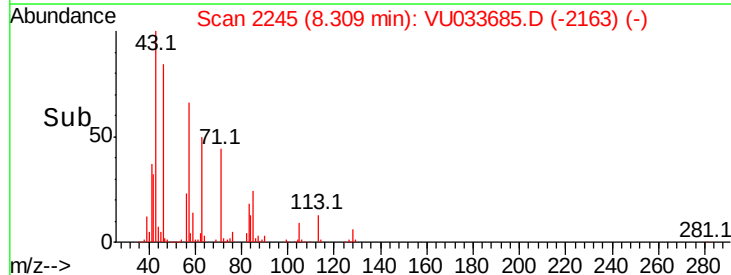
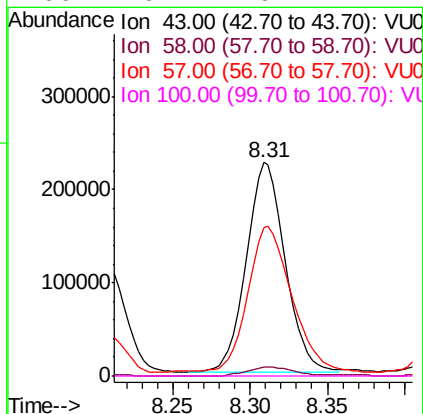
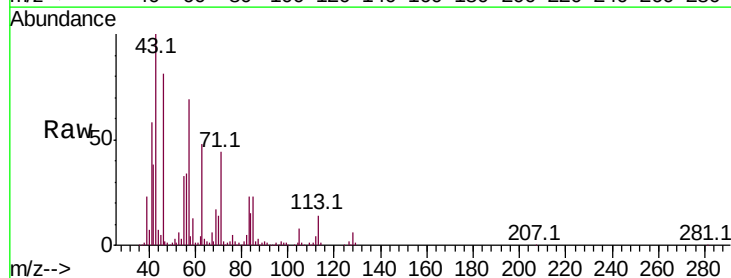
Instrument :
 MSVOA_U
 ClientSampleId :

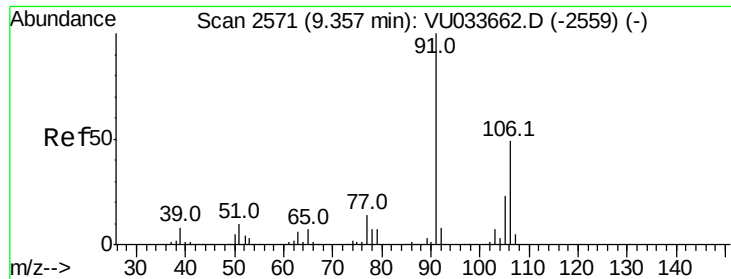
Tot Ion	Ratio	Lower	Upper
97	100		
99	0.2	44.0	81.6#
83	11.8	60.6	112.6#
85	0.4	39.9	74.1#



#48
 2-Hexanone
 Concen: 91.297 ug/L
 RT: 8.31 min Scan# 2245
 Delta R.T. -0.04 min
 Lab File: VU033685.D
 Acq: 09 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	4.9	44.8	67.2#
57	79.0	15.5	23.3#
100	0.1	9.4	14.2#





#53

m,p-Xylene

Concen: 1.269 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

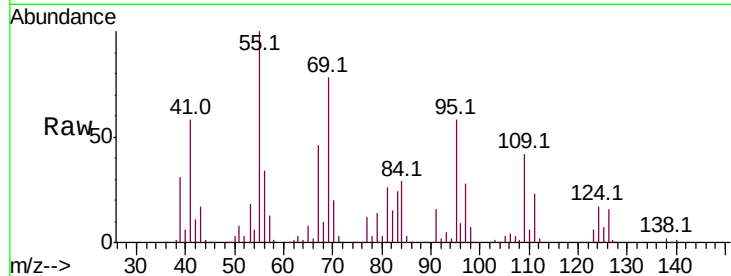
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 7407

Ion Ratio Lower Upper

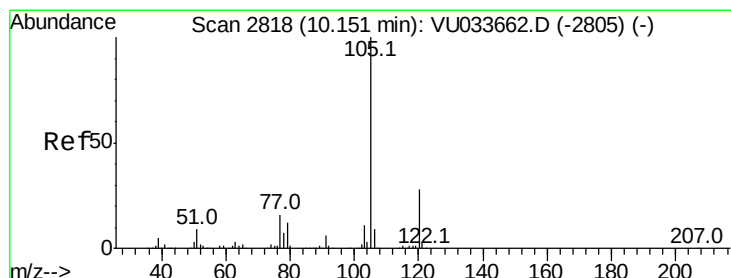
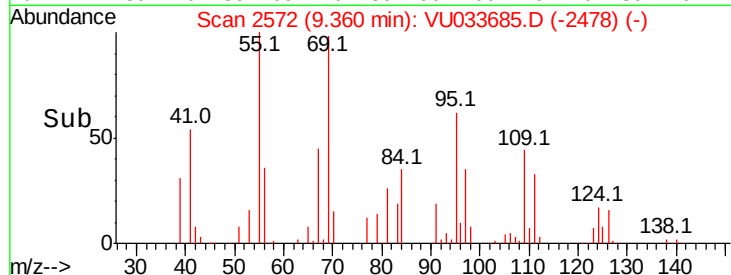
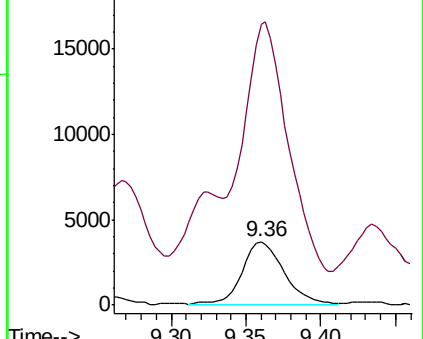
106 100

91 443.0 138.5 257.3#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 21.416 ug/L

RT: 10.15 min Scan# 2819

Delta R.T. 0.00 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

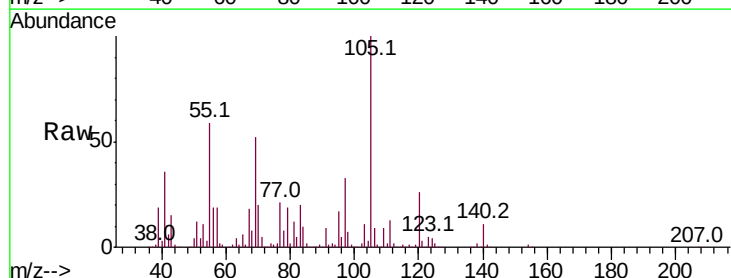
Tgt Ion:105 Resp: 319012

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

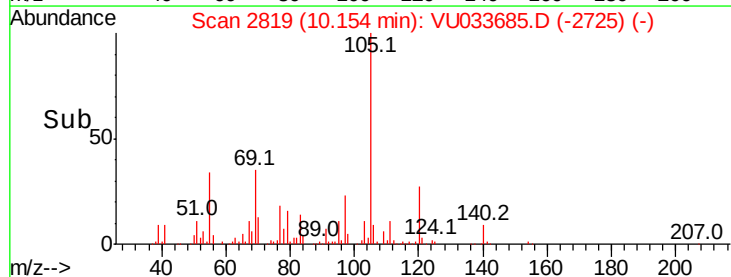
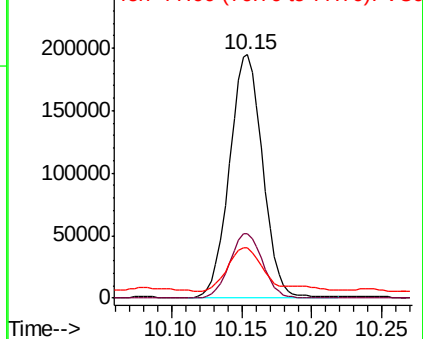
77 19.0 12.4 18.6#

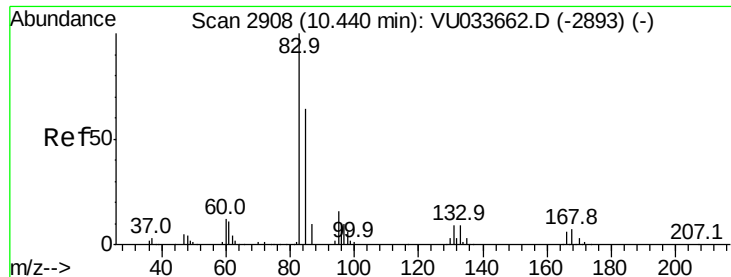


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 18.314 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. 0.03 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

Instrument :

MSVOA_U

ClientSampleId :

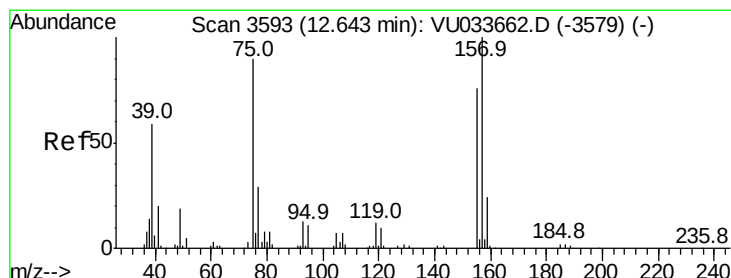
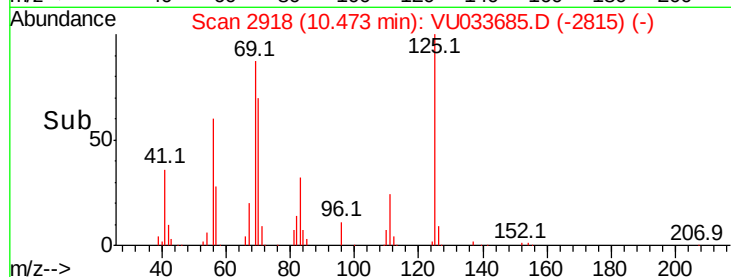
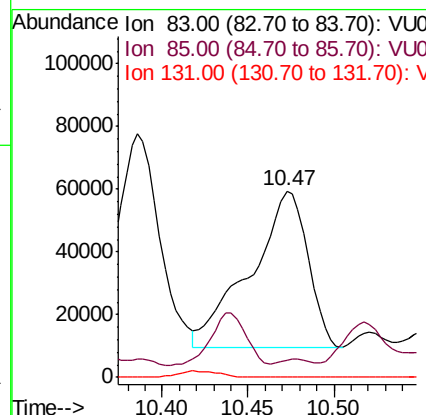
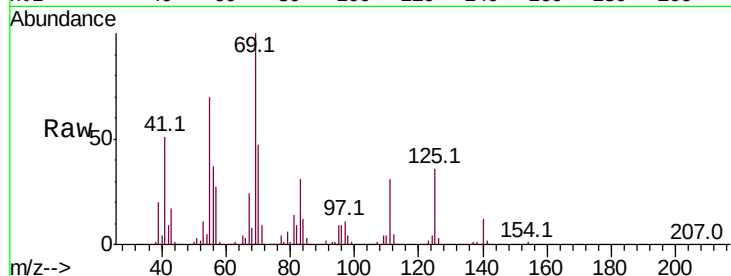
Tot Ion: 83 Resp: 115769

Ion Ratio Lower Upper

83 100

85 9.4 45.7 84.9#

131 0.0 7.7 11.5#



#66

1,2-Dibromo-3-chloropropane

Concen: 12.127 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. -0.01 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

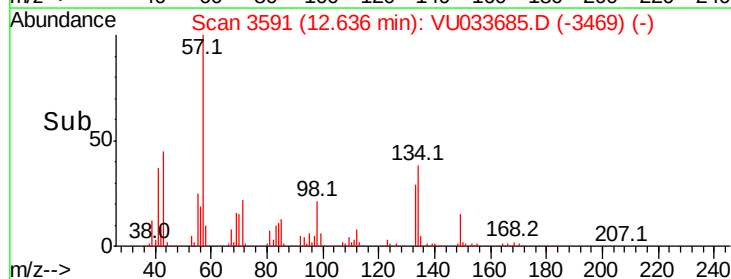
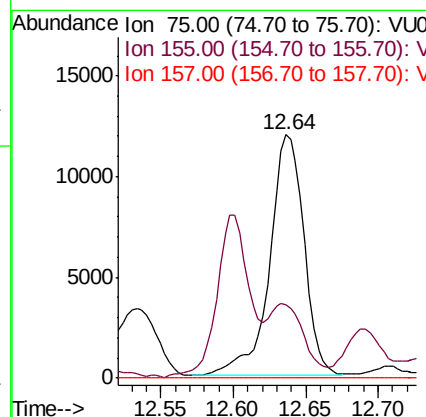
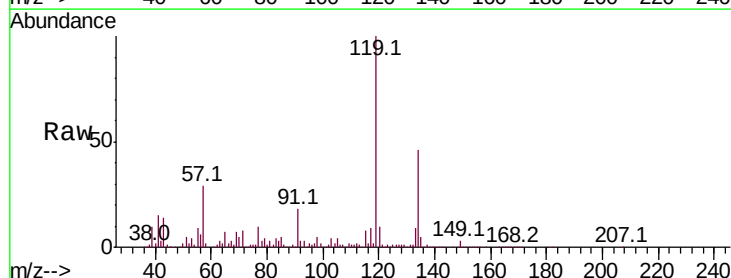
Tgt Ion: 75 Resp: 19679

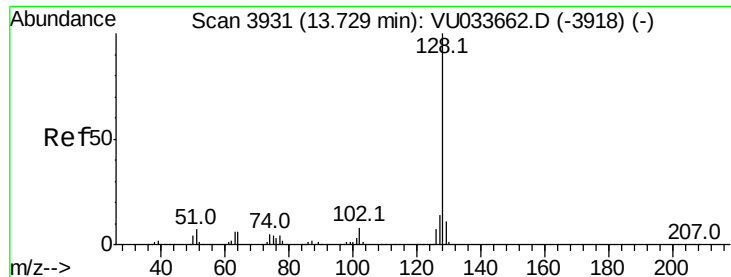
Ion Ratio Lower Upper

75 100

155 29.9 65.8 98.8#

157 0.0 86.9 130.3#





#69

Naphthalene

Concen: 3.723 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.01 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

Instrument :

MSVOA_U

ClientSampled :

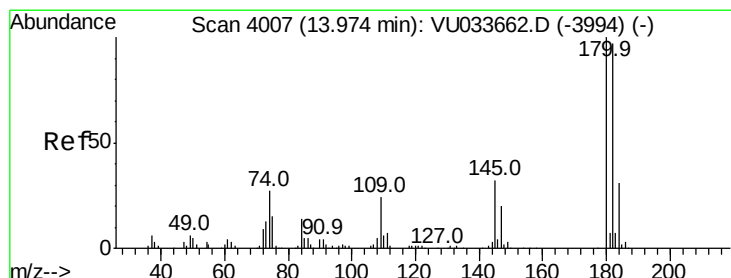
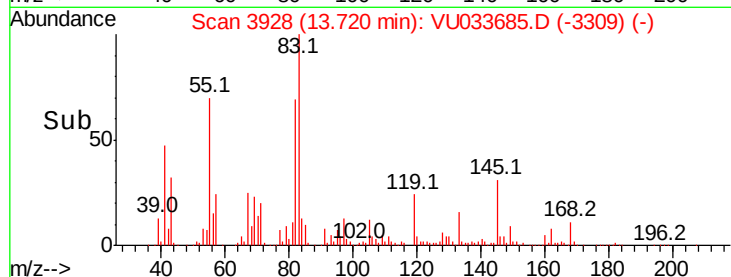
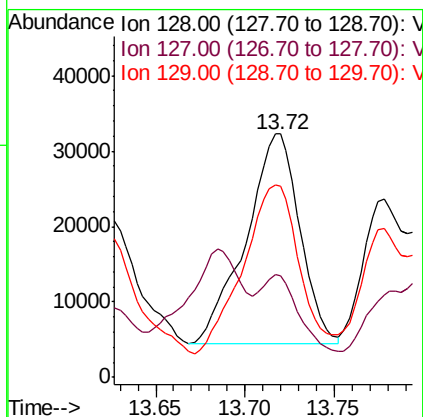
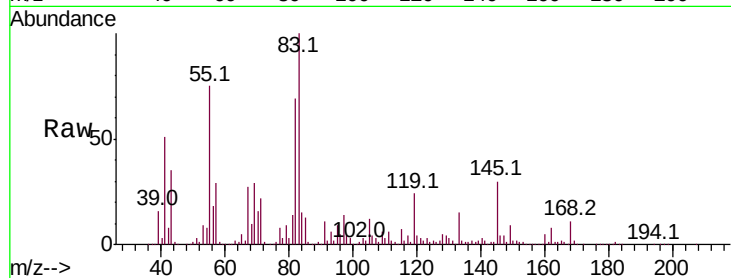
Tot Ion:128 Resp: 59020

Ion Ratio Lower Upper

128 100

127 33.8 10.6 16.0#

129 82.7 8.8 13.2#



#70

1,2,3-Trichlorobenzene

Concen: 4.009 ug/L

RT: 13.94 min Scan# 3995

Delta R.T. -0.04 min

Lab File: VU033685.D

Acq: 09 Aug 2019 10:38

Tgt Ion:180 Resp: 22717

Ion Ratio Lower Upper

180 100

182 71.9 76.6 115.0#

145 1994.5 25.1 37.7#

