

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080819\
 Data File : VU033681.D
 Acq On : 09 Aug 2019 08:45
 Operator : JC/SP
 Sample : K4215-08ME 20X
 Misc : 4.86g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 09 14:41:41 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	343103	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	343280	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	181767	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	142833	36.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.76%
7) Chloroethane-d5	1.67	69	122965	37.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.02%
11) 1,1-Dichloroethene-d2	2.26	63	190780	30.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.94%
21) 2-Butanone-d5	4.15	46	232372	81.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.92%
24) Chloroform-d	4.62	84	225249	35.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.20%
26) 1,2-Dichloroethane-d4	5.29	65	155502	37.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.14%
32) Benzene-d6	5.32	84	491438	38.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.78%
36) 1,2-Dichloropropane-d6	6.31	67	160913	39.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.06%
41) Toluene-d8	7.55	98	441820	37.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.66%#
43) trans-1,3-Dichloropropene-	7.83	79	69184	34.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.46%
47) 2-Hexanone-d5	8.30	63	166474	81.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.69%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	233186	36.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	73.24%
64) 1,2-Dichlorobenzene-d4	11.84	152	192129	38.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.38%#

Target Compounds

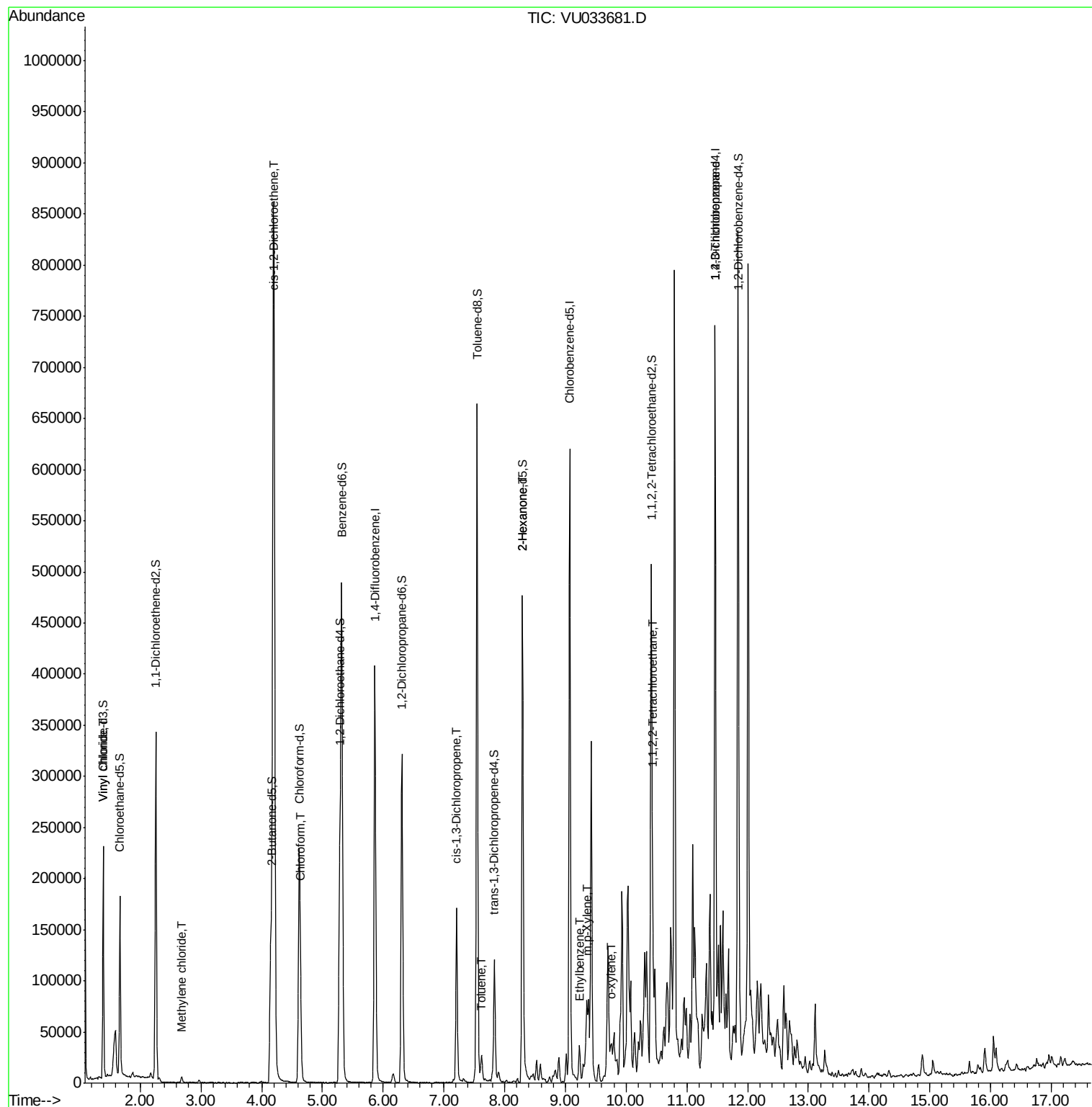
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	12508	3.359	ug/L #	80
16) Methylene chloride	2.68	84	2546	0.885	ug/L	89
20) cis-1,2-Dichloroethene	4.20	96	481615	169.122	ug/L	96
25) Chloroform	4.65	83	12154	2.352	ug/L	99
39) cis-1,3-Dichloropropene	7.21	75	4137	0.949	ug/L #	60
42) Toluene	7.62	91	18764	1.615	ug/L	96
48) 2-Hexanone	8.30	43	23581	6.732	ug/L #	61
52) Ethylbenzene	9.23	91	13844	1.109	ug/L	95
53) m,p-Xylene	9.36	106	18714	3.955	ug/L	97
54) o-xylene	9.76	106	6489	1.384	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.44	83	4712	0.919	ug/L #	77
59) 1,2,3-Trichloropropane	11.47	75	21401	5.351	ug/L	90

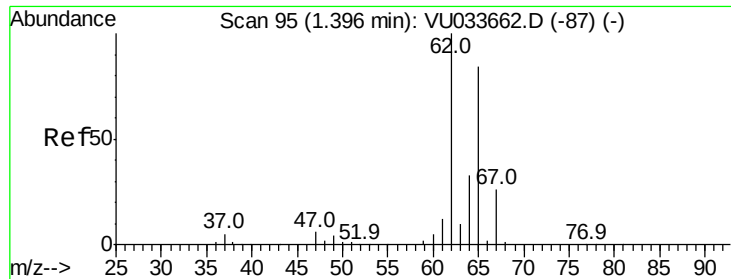
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 3.359 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033681.D

Acq: 09 Aug 2019 08:45

Instrument :

MSVOA_U

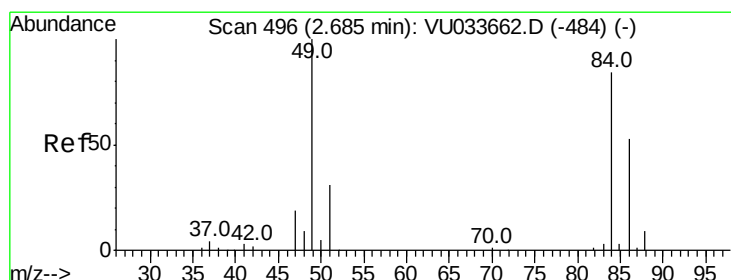
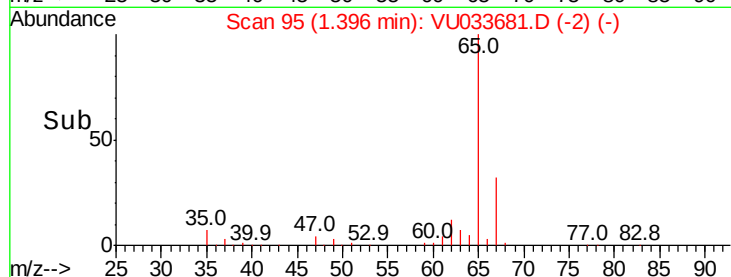
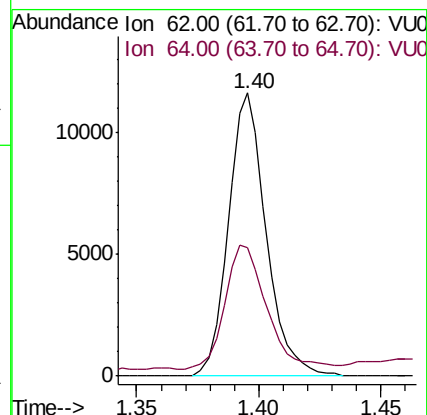
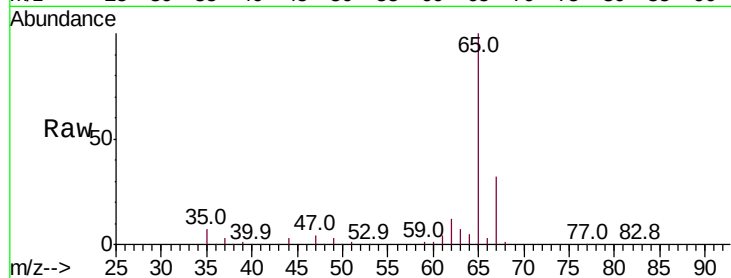
ClientSampled :

Tot Ion: 62 Resp: 12508

Ion Ratio Lower Upper

62 100

64 45.2 23.6 43.8#



#16

Methylene chloride

Concen: 0.885 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU033681.D

Acq: 09 Aug 2019 08:45

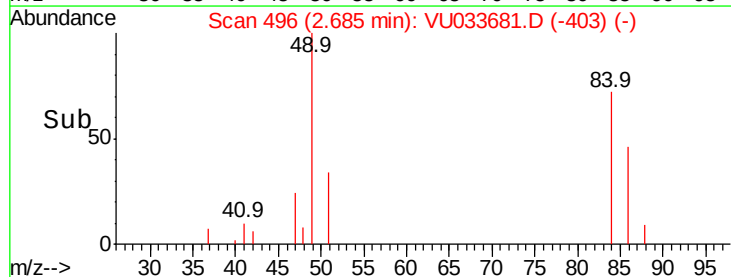
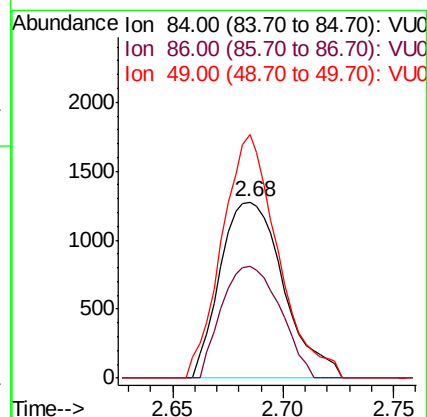
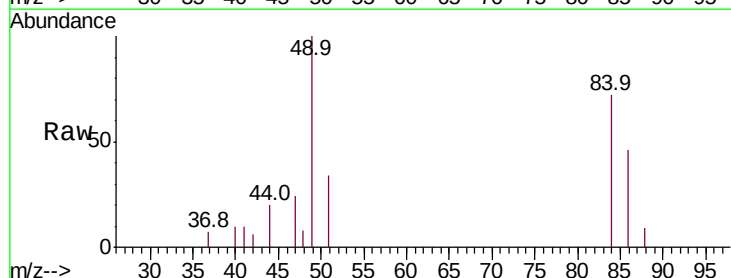
Tgt Ion: 84 Resp: 2546

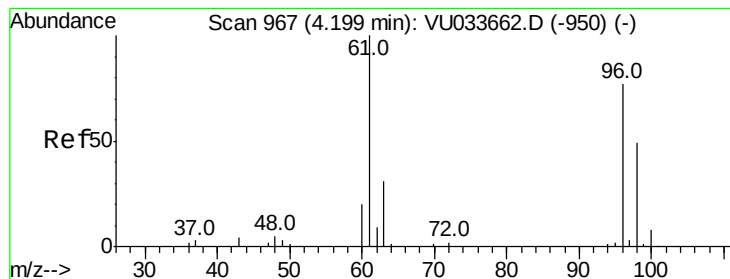
Ion Ratio Lower Upper

84 100

86 63.1 46.0 85.4

49 138.1 84.4 156.8





#20

cis-1,2-Dichloroethene

Concen: 169.122 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033681.D

Acq: 09 Aug 2019 08:45

Instrument :
MSVOA_U
ClientSampleId :

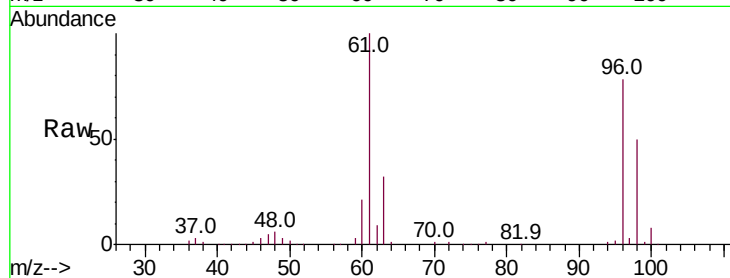
Tot Ion: 96 Resp: 481615

Ion Ratio Lower Upper

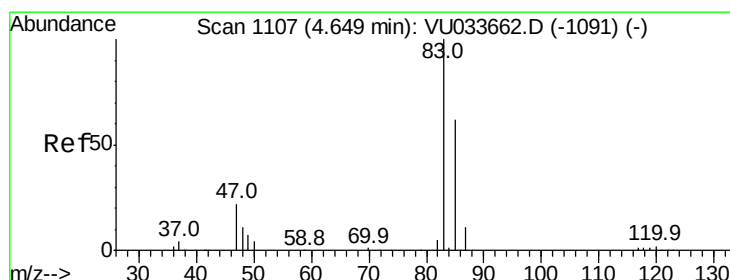
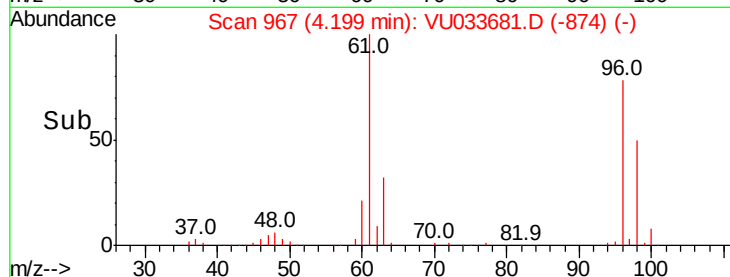
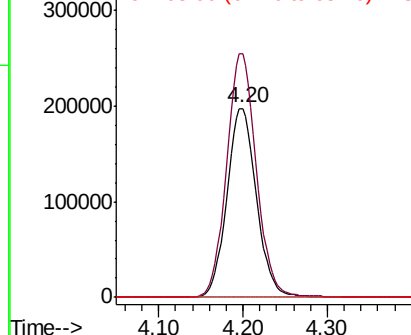
96 100

61 128.7 93.0 172.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



#25

Chloroform

Concen: 2.352 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033681.D

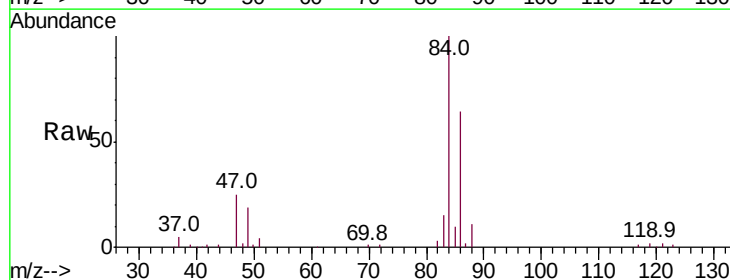
Acq: 09 Aug 2019 08:45

Tgt Ion: 83 Resp: 12154

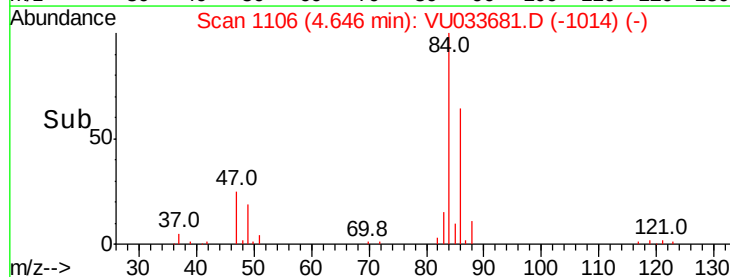
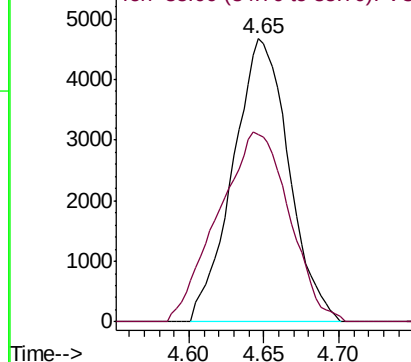
Ion Ratio Lower Upper

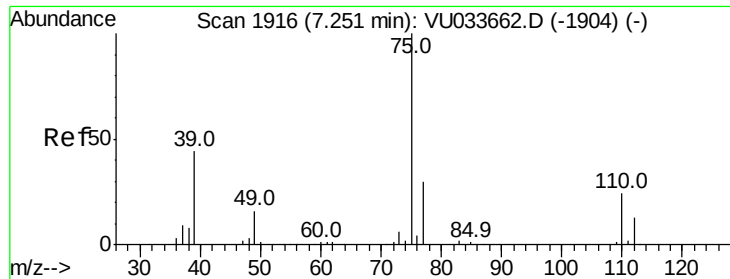
83 100

85 66.4 47.2 87.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



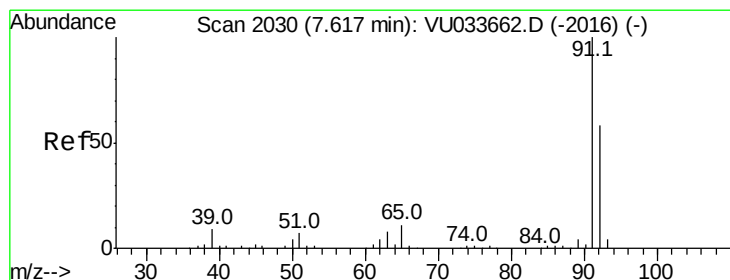
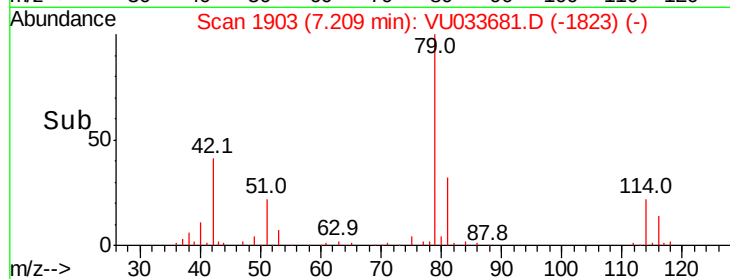
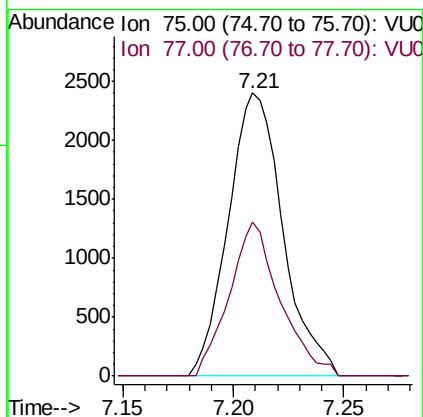
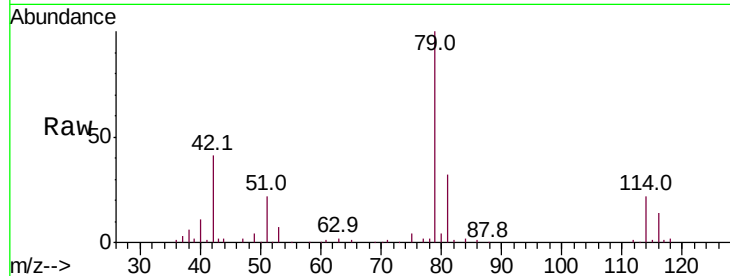


#39

cis-1,3-Dichloropropene
Concen: 0.949 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033681.D
Acq: 09 Aug 2019 08:45

Instrument :
MSVOA_U
ClientSampled :

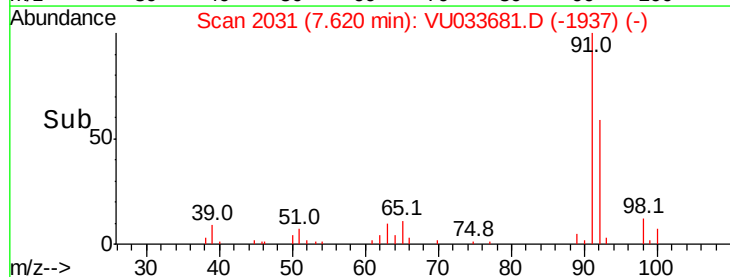
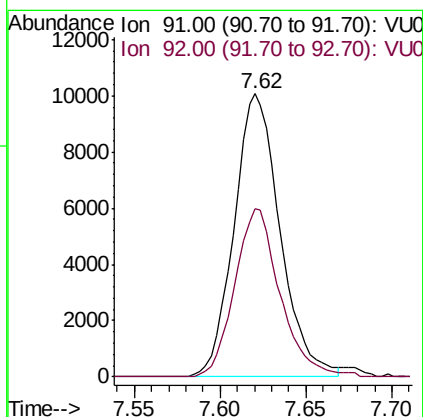
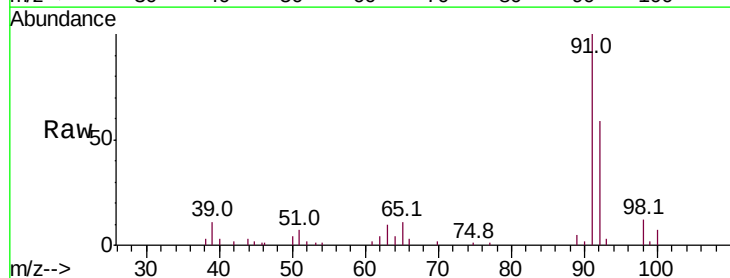
Tot Ion: 75 Resp: 4137
Ion Ratio Lower Upper
75 100
77 54.5 22.5 41.9#

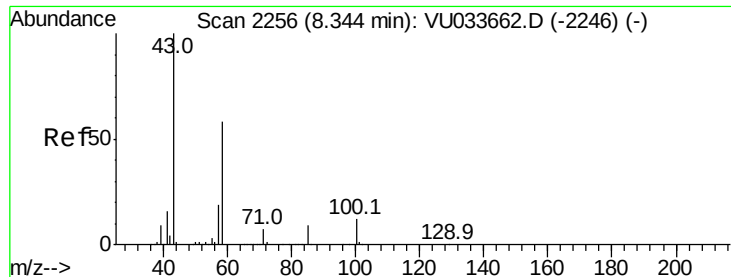


#42

Toluene
Concen: 1.615 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU033681.D
Acq: 09 Aug 2019 08:45

Tgt Ion: 91 Resp: 18764
Ion Ratio Lower Upper
91 100
92 59.3 39.6 73.6

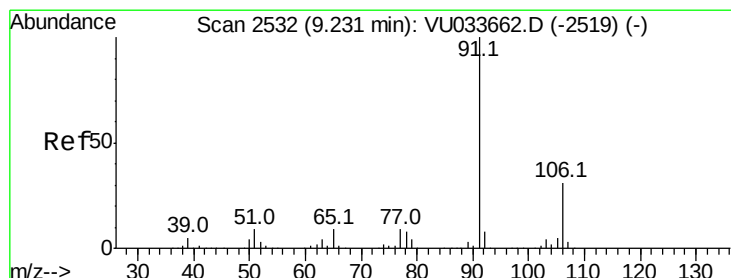
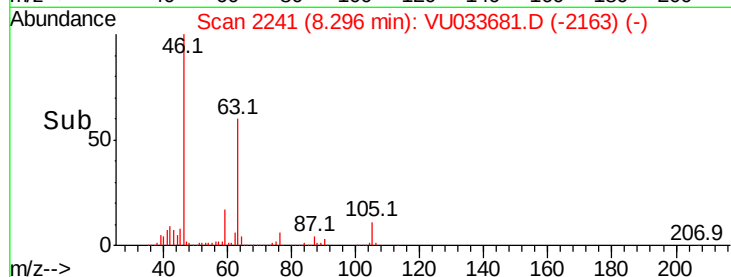
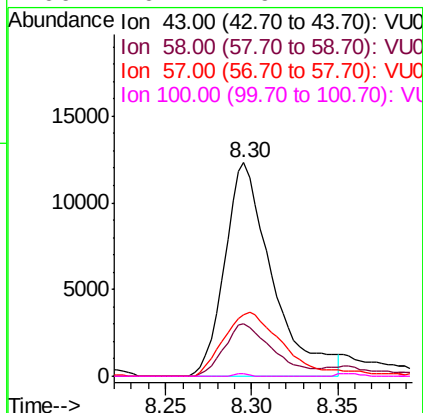
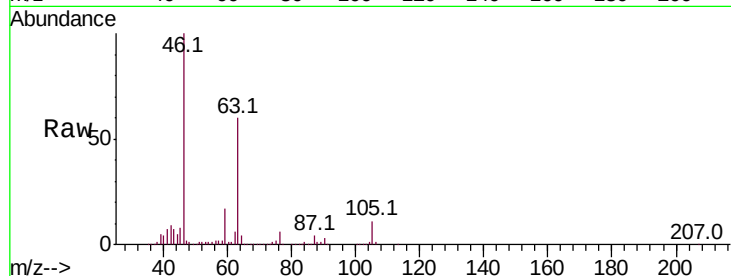




#48
2-Hexanone
Concen: 6.732 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.05 min
Lab File: VU033681.D
Acq: 09 Aug 2019 08:45

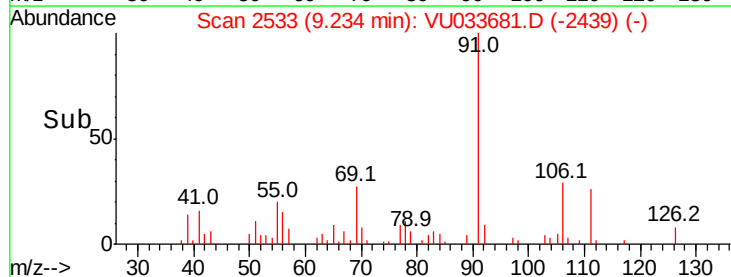
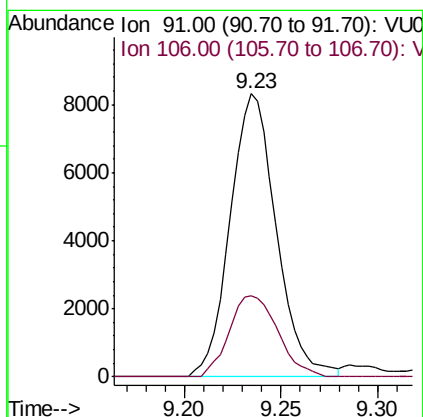
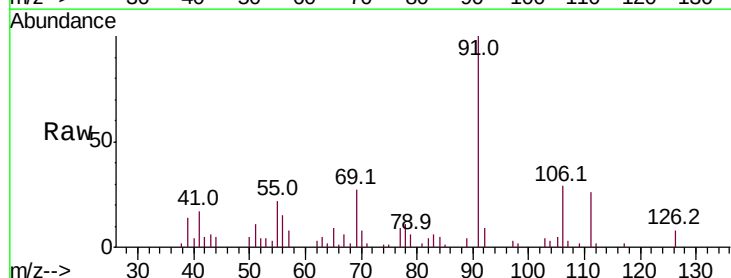
Instrument :
MSVOA_U
ClientSampleId :

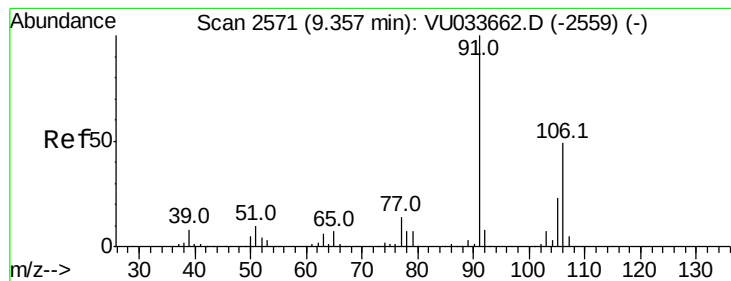
Tot Ion: 43 Resp: 23581
Ion Ratio Lower Upper
43 100
58 25.3 44.8 67.2#
57 35.9 15.5 23.3#
100 0.4 9.4 14.2#



#52
Ethylbenzene
Concen: 1.109 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033681.D
Acq: 09 Aug 2019 08:45

Tgt Ion: 91 Resp: 13844
Ion Ratio Lower Upper
91 100
106 28.7 21.9 40.7





#53

m,p-Xylene

Concen: 3.955 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033681.D

Acq: 09 Aug 2019 08:45

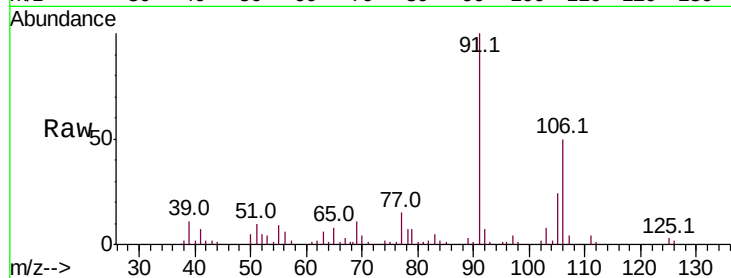
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 18714

Ion Ratio Lower Upper

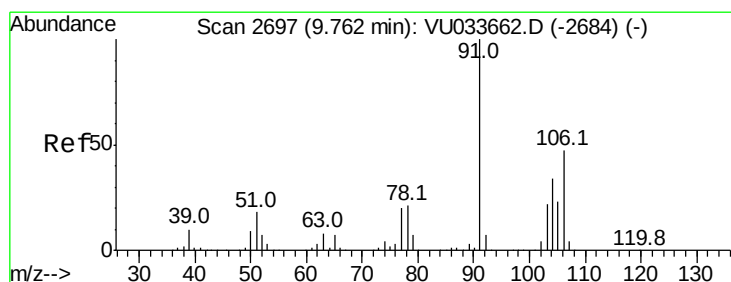
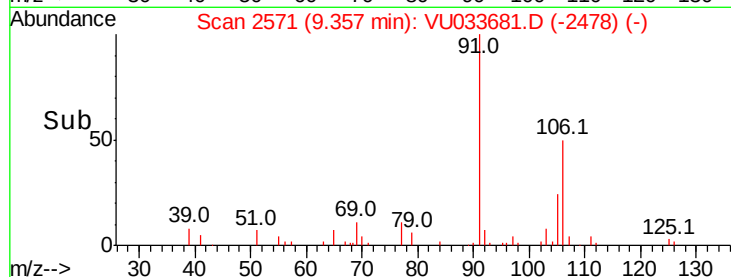
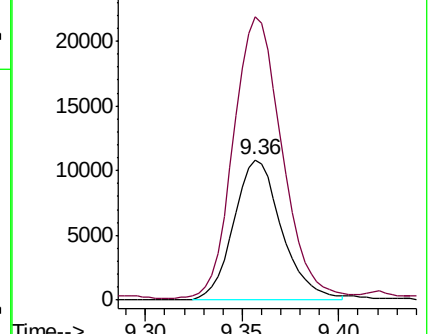
106 100

91 201.7 138.5 257.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.384 ug/L

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033681.D

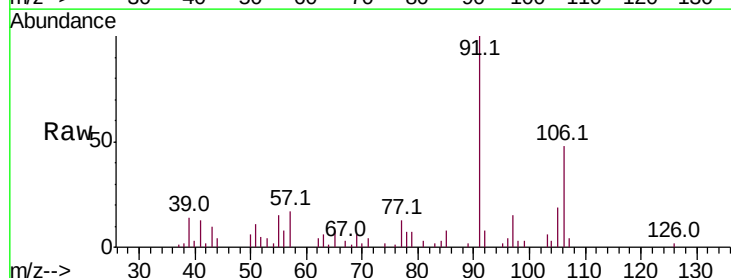
Acq: 09 Aug 2019 08:45

Tgt Ion:106 Resp: 6489

Ion Ratio Lower Upper

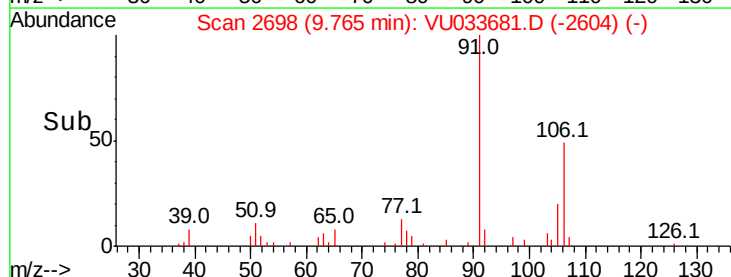
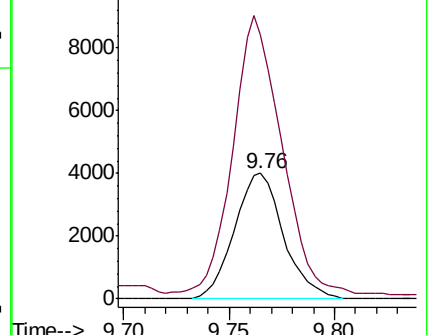
106 100

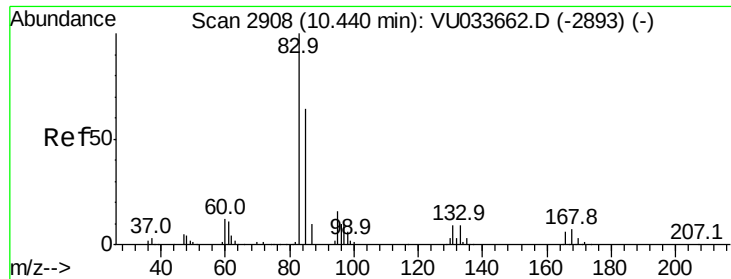
91 210.3 152.1 282.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.919 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033681.D

Acq: 09 Aug 2019 08:45

Instrument :

MSVOA_U

ClientSampleId :

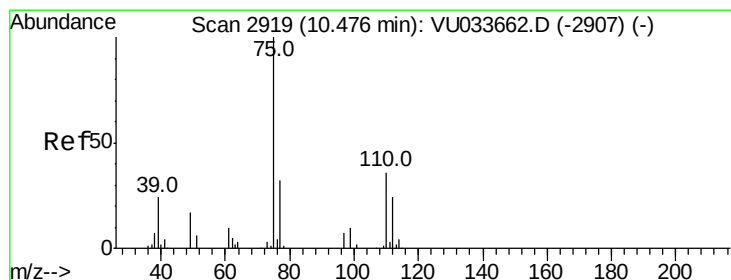
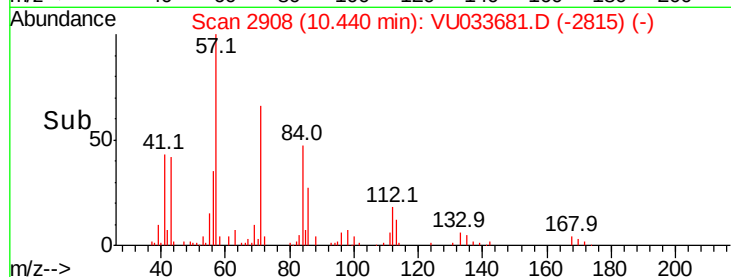
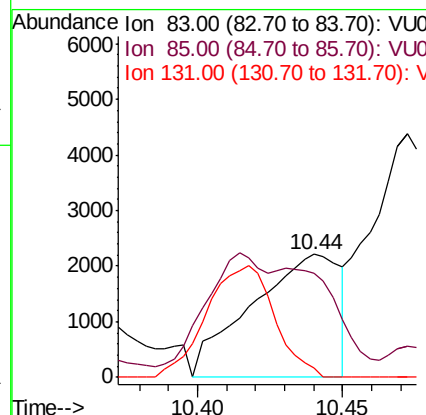
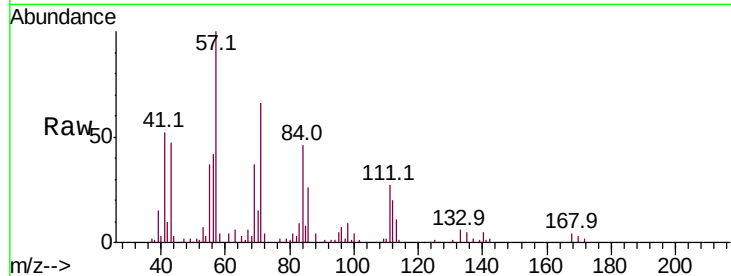
Tot Ion: 83 Resp: 4712

Ion Ratio Lower Upper

83 100

85 85.2 45.7 84.9#

131 7.6 7.7 11.5#



#59

1,2,3-Trichloropropane

Concen: 5.351 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033681.D

Acq: 09 Aug 2019 08:45

Tgt Ion: 75 Resp: 21401

Ion Ratio Lower Upper

75 100

77 37.6 25.5 38.3

