

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112719\
 Data File : VU035895.D
 Acq On : 27 Nov 2019 14:34
 Operator : JC/SP
 Sample : K6057-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 28 05:01:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 04:57:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	239128	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	287923	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	87228	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	132606	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.93	69	126827	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.59	63	165345	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.69	46	252757	34.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.92%
24) Chloroform-d	5.11	84	211945	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.20%
26) 1,2-Dichloroethane-d4	5.75	65	129289	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.77	84	432445	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
36) 1,2-Dichloropropane-d6	6.74	67	152175	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.20%
41) Toluene-d8	7.93	98	335361	3.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.20%#
43) trans-1,3-Dichloropropene-	8.21	79	49931	3.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.20%
46) 2-Hexanone-d5	8.69	63	271855	46.96	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.92%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	131622	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	89871	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

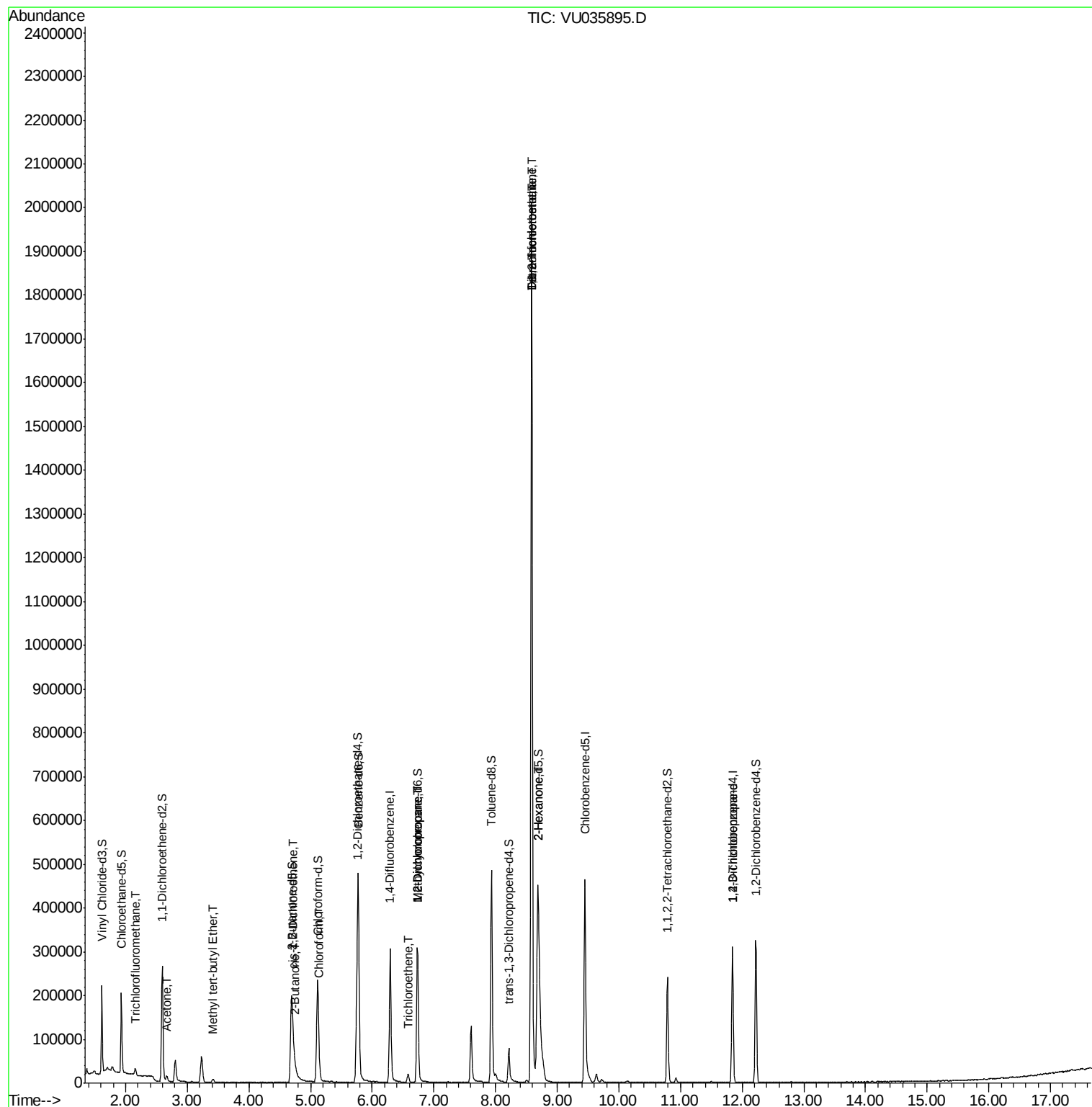
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	7744	0.167	ug/L #	84
13) Acetone	2.67	43	14483	2.281	ug/L	91
17) Methyl tert-butyl Ether	3.42	73	6974	0.116	ug/L	94
21) 2-Butanone	4.75	43	21210	2.640	ug/L #	60
22) cis-1,2-Dichloroethene	4.72	96	6324	0.232	ug/L	77
25) Chloroform	5.14	83	22710	0.424	ug/L	97
34) Trichloroethene	6.58	95	6108	0.207	ug/L #	89
35) Methylcyclohexane	6.73	83	33841	0.783	ug/L #	14
37) 1,2-Dichloropropane	6.74	63	16120	0.473	ug/L #	91
45) 1,1,2-Trichloroethane	8.59	97	4092	0.184	ug/L #	1
47) Tetrachloroethene	8.58	164	457876	20.420	ug/L	98
48) 2-Hexanone	8.68	43	44031	2.858	ug/L #	64
49) Dibromochloromethane	8.58	129	434737	16.591	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	11923	0.538	ug/L	90

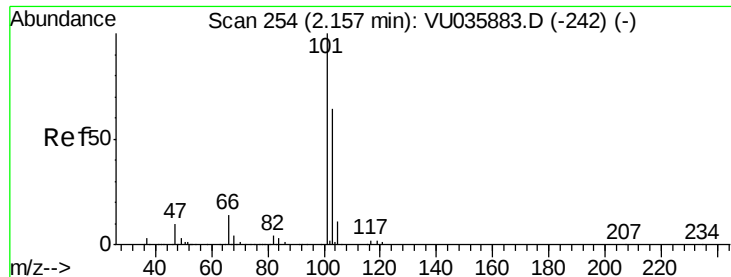
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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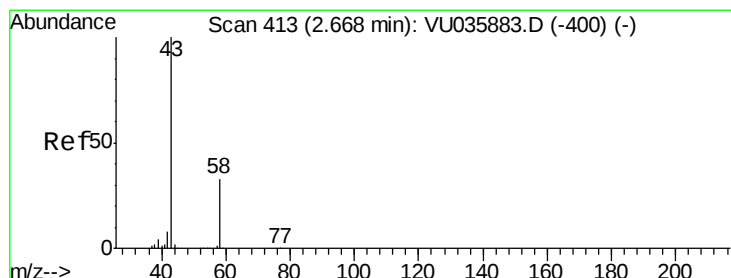
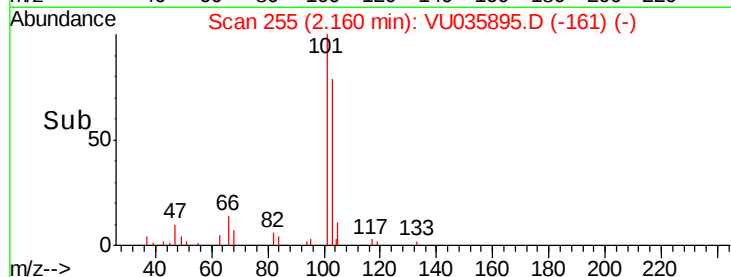
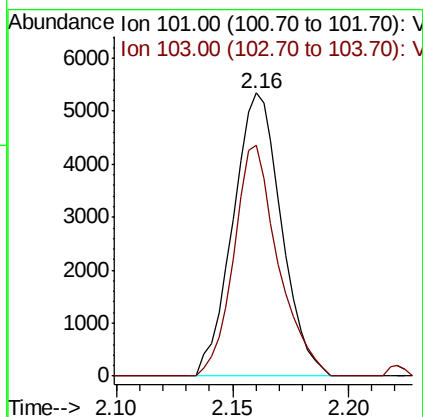
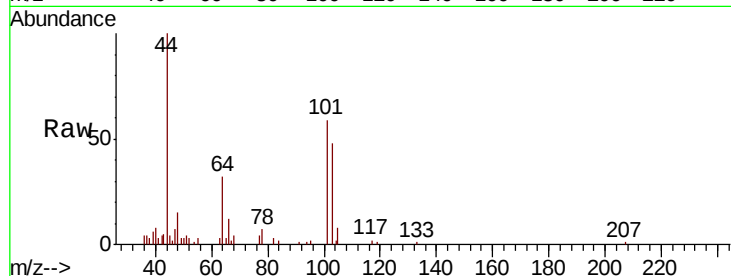


#9

Trichlorofluoromethane
 Concen: 0.167 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU035895.D
 Acq: 27 Nov 2019 14:34

Instrument :
 MSVOA_U
 ClientSampleId :

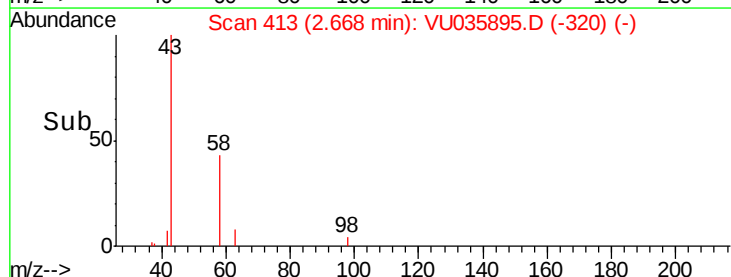
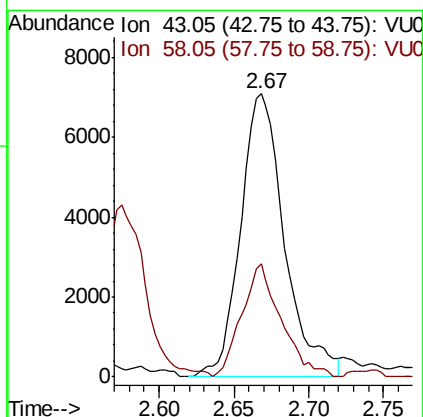
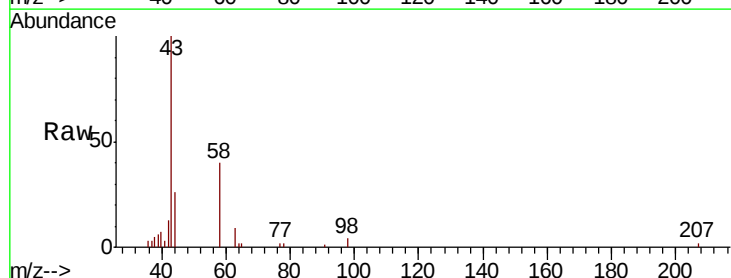
Tot Ion:101 Resp: 7744
 Ion Ratio Lower Upper
 101 100
 103 74.7 49.8 74.6#

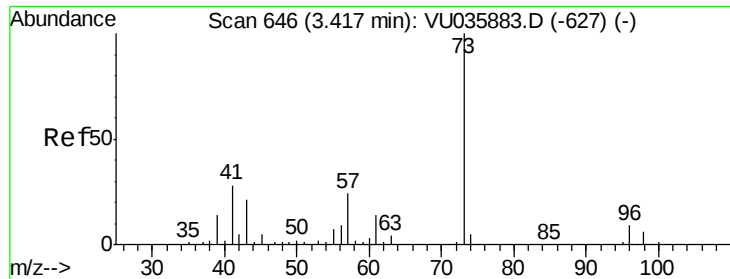


#13

Acetone
 Concen: 2.281 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. -0.00 min
 Lab File: VU035895.D
 Acq: 27 Nov 2019 14:34

Tgt Ion: 43 Resp: 14483
 Ion Ratio Lower Upper
 43 100
 58 35.8 0.0 61.2

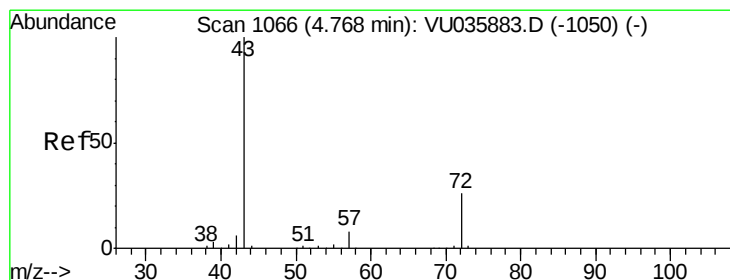
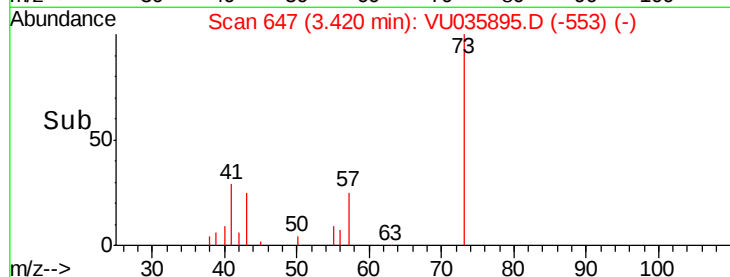
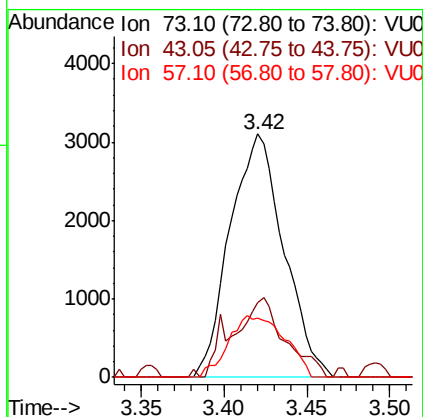
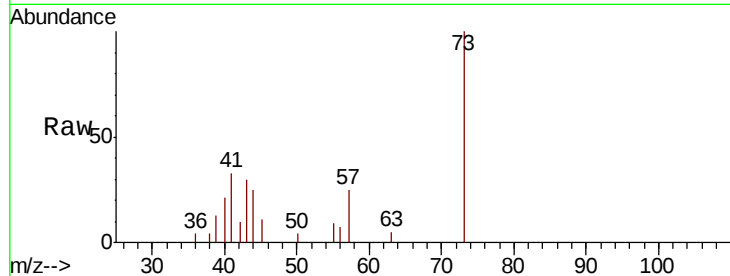




#17
Methvl tert-butvl Ether
Concen: 0.116 ug/L
RT: 3.42 min Scan# 647
Delta R.T. 0.00 min
Lab File: VU035895.D
Acq: 27 Nov 2019 14:34

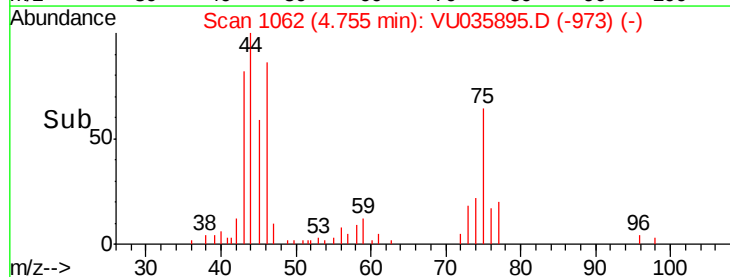
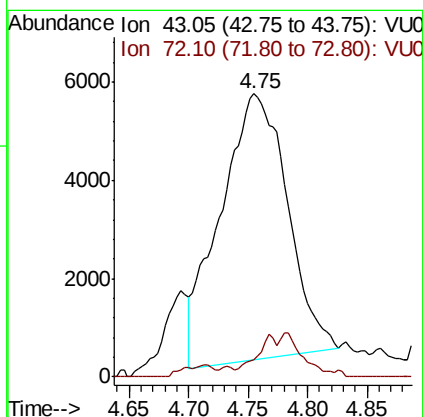
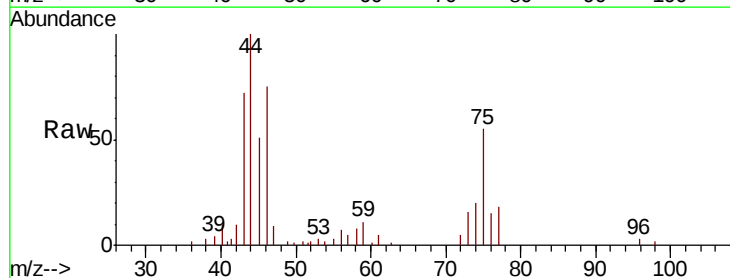
Instrument :
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ClientSampleId :

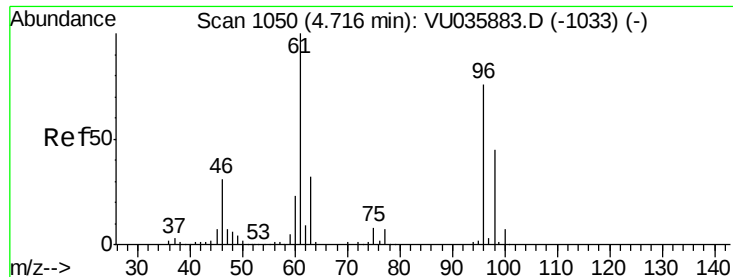
Tot Ion: 73 Resp: 6974
Ion Ratio Lower Upper
73 100
43 25.2 17.4 26.2
57 26.4 19.4 29.0



#21
2-Butanone
Concen: 2.640 ug/L
RT: 4.75 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VU035895.D
Acq: 27 Nov 2019 14:34

Tgt Ion: 43 Resp: 21210
Ion Ratio Lower Upper
43 100
72 4.9 12.4 37.4#





#22

cis-1,2-Dichloroethene

Concen: 0.232 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035895.D

Acq: 27 Nov 2019 14:34

Instrument :
MSVOA_U
ClientSampleId :

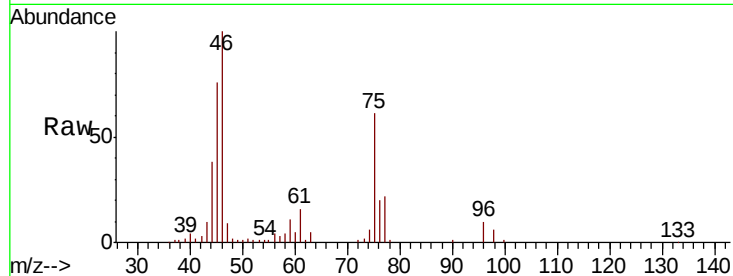
Tot Ion: 96 Resp: 6324

Ion Ratio Lower Upper

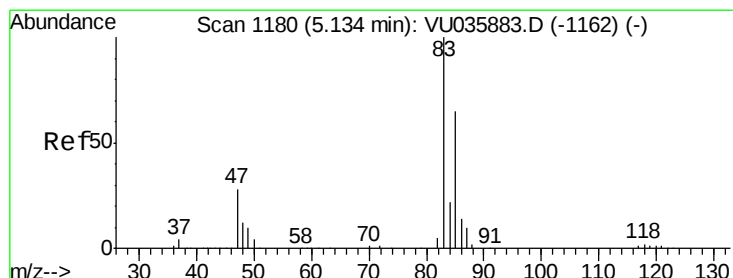
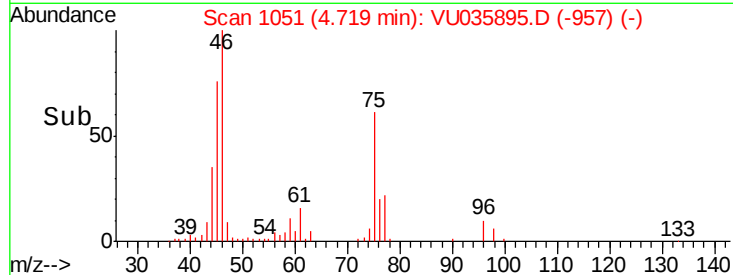
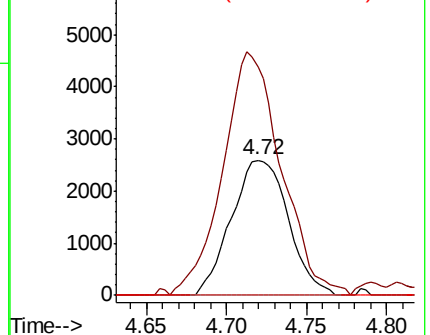
96 100

61 168.6 98.1 182.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.424 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VU035895.D

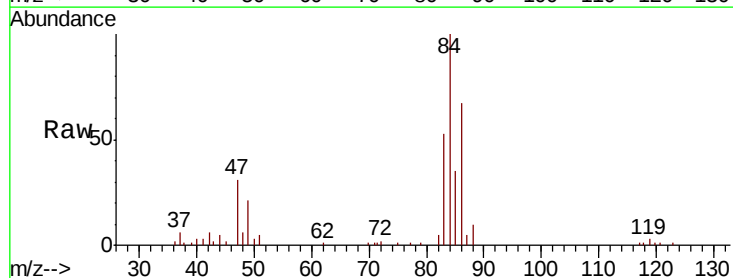
Acq: 27 Nov 2019 14:34

Tgt Ion: 83 Resp: 22710

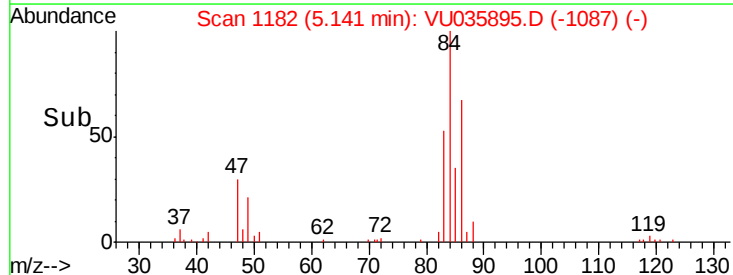
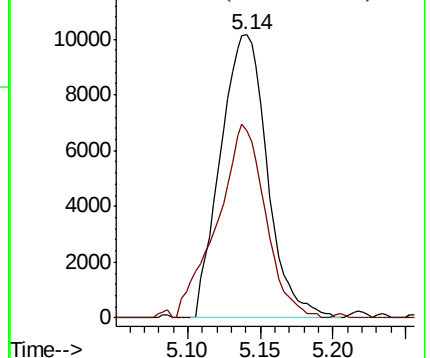
Ion Ratio Lower Upper

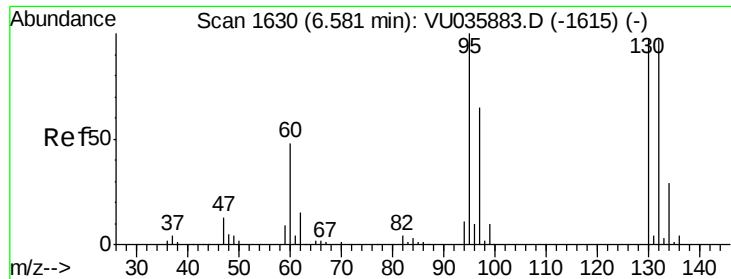
83 100

85 66.2 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

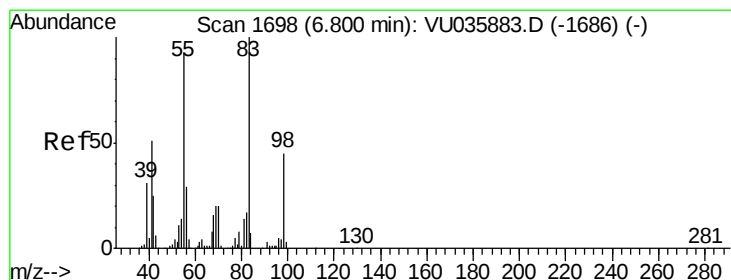
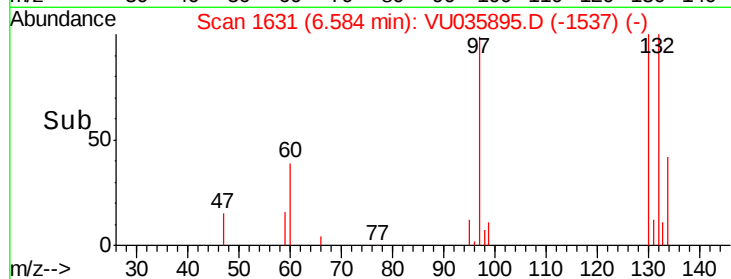
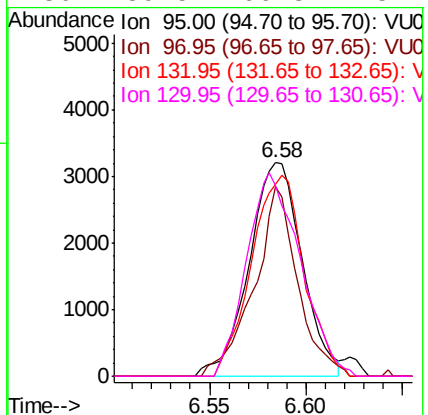
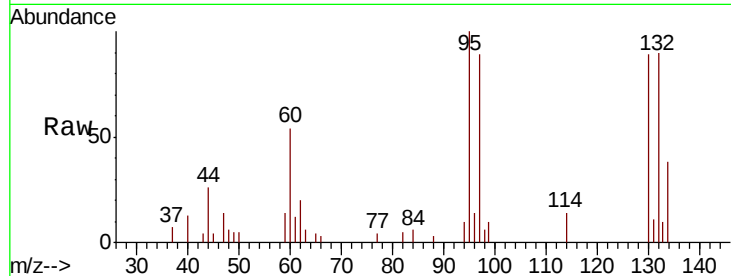




#34
 Trichloroethene
 Concen: 0.207 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035895.D
 Acq: 27 Nov 2019 14:34

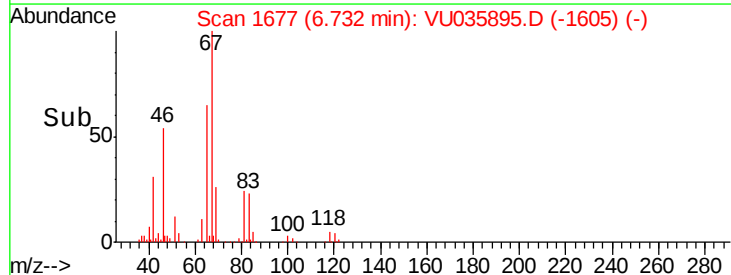
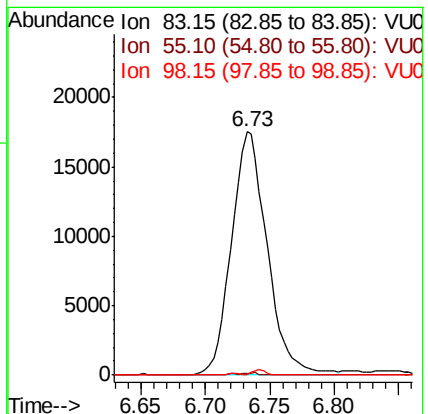
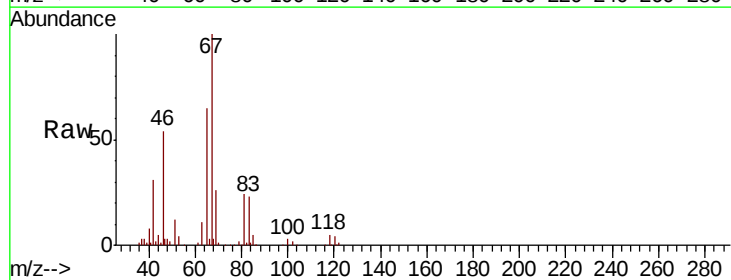
Instrument :
 MSVOA_U
 ClientSampled :

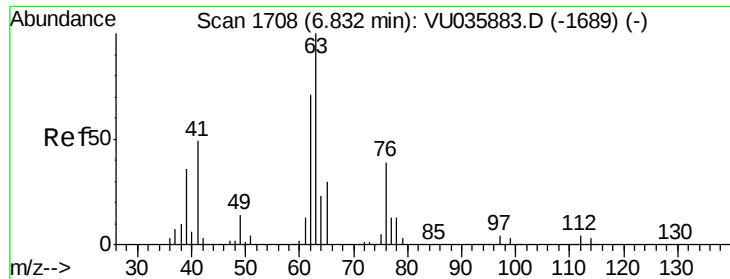
Tot Ion: 95 Resp: 6108
 Ion Ratio Lower Upper
 95 100
 97 88.8 45.1 83.9#
 132 89.9 61.9 114.9
 130 89.5 66.3 123.1



#35
 Methylcyclohexane
 Concen: 0.783 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.07 min
 Lab File: VU035895.D
 Acq: 27 Nov 2019 14:34

Tgt Ion: 83 Resp: 33841
 Ion Ratio Lower Upper
 83 100
 55 0.4 72.7 109.1#
 98 0.8 36.2 54.4#

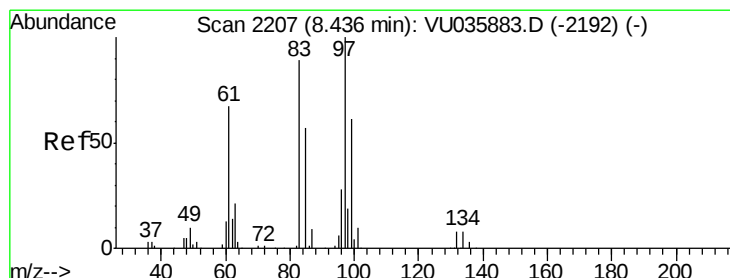
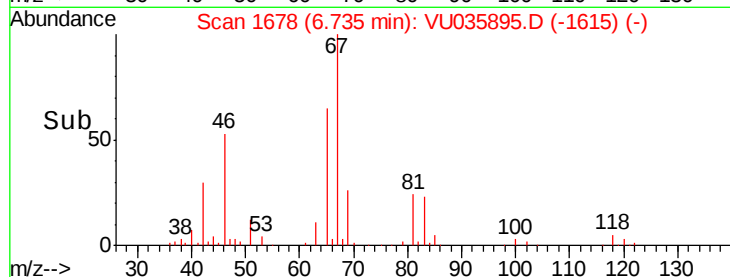
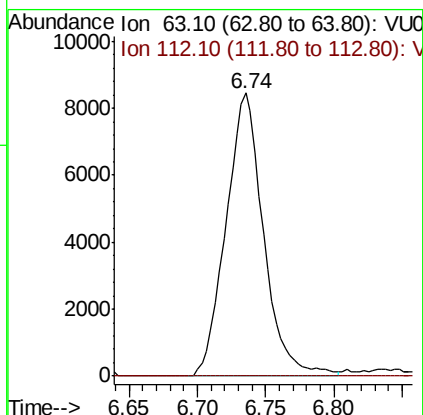
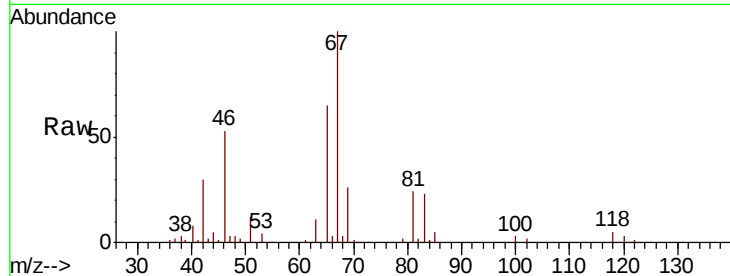




#37
 1,2-Dichloropropane
 Concen: 0.473 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035895.D
 Acq: 27 Nov 2019 14:34

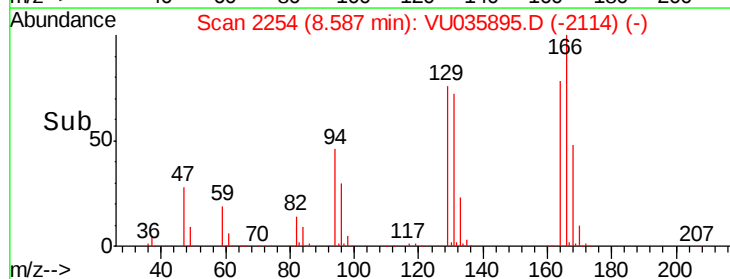
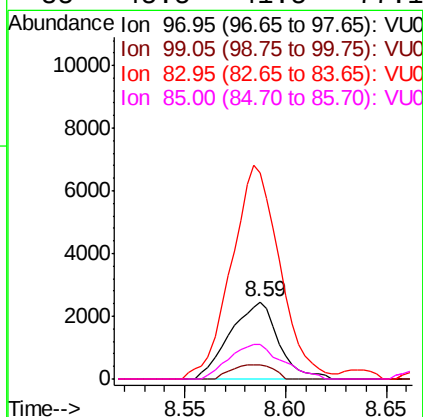
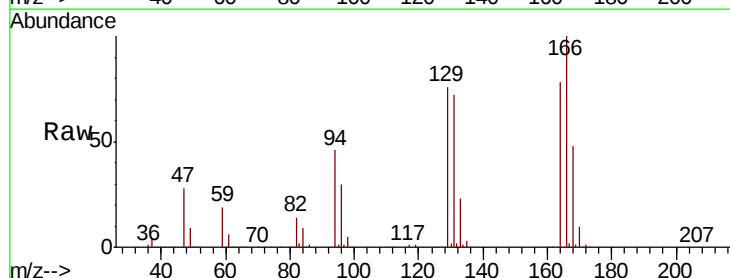
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 MSVOA_U
 ClientSampleId :

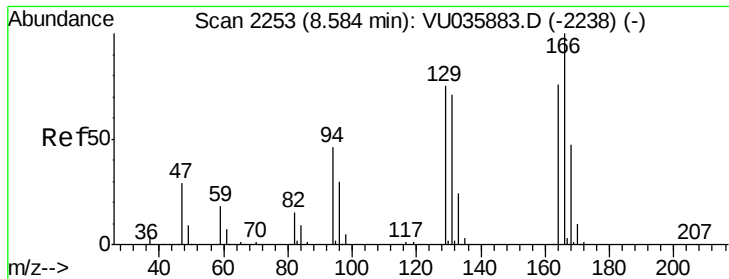
Tot Ion: 63 Resp: 16120
 Ion Ratio Lower Upper
 63 100
 112 0.3 2.7 4.1#



#45
 1,1,2-Trichloroethane
 Concen: 0.184 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.15 min
 Lab File: VU035895.D
 Acq: 27 Nov 2019 14:34

Tgt Ion: 97 Resp: 4092
 Ion Ratio Lower Upper
 97 100
 99 18.3 44.2 82.0#
 83 267.0 62.2 115.6#
 85 45.5 41.5 77.1

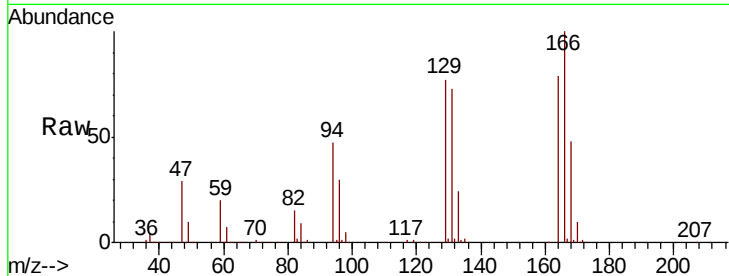




#47
Tetrachloroethene
Concen: 20.420 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035895.D
Acq: 27 Nov 2019 14:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.8	127.8
131	92.9	67.3	124.9
166	127.2	91.6	170.2



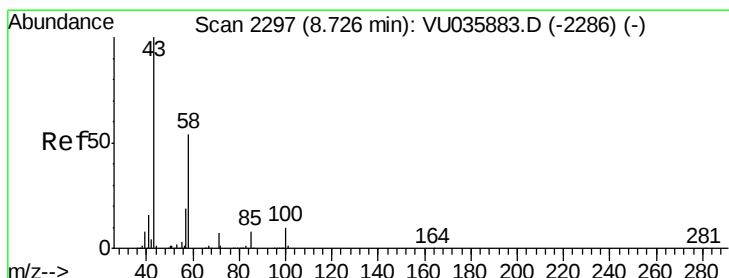
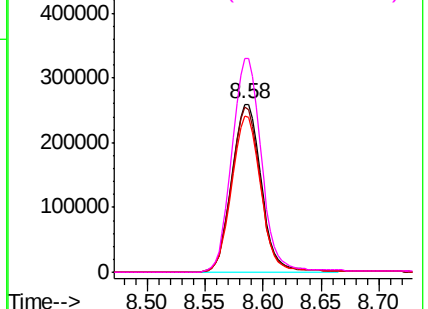
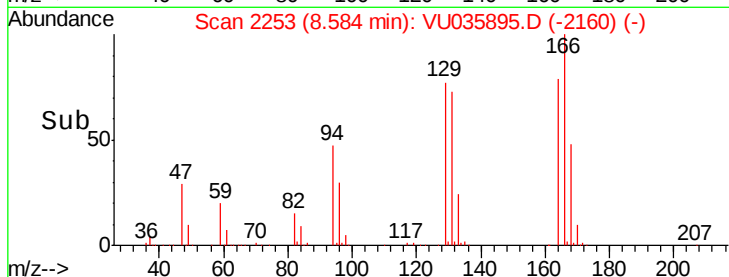
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

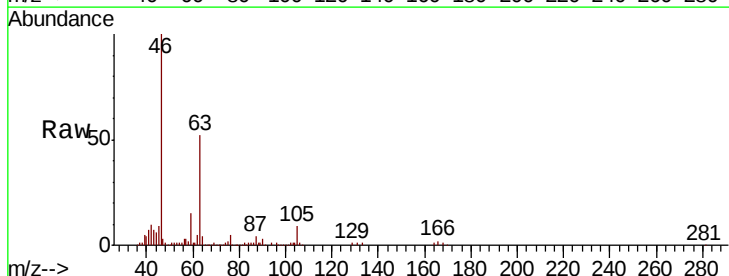
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48
2-Hexanone
Concen: 2.858 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.04 min
Lab File: VU035895.D
Acq: 27 Nov 2019 14:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.3	39.8	59.8#
57	31.5	14.0	21.0#
100	1.5	7.2	10.8#



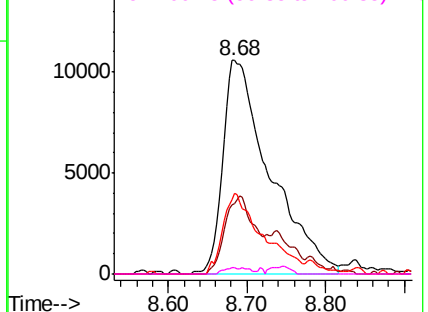
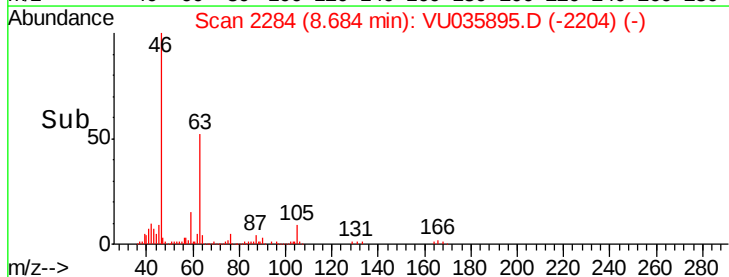
Abundance

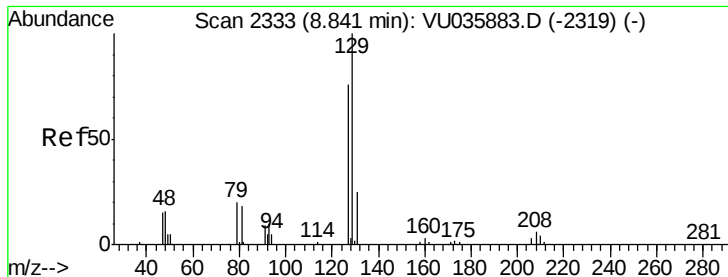
Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 16.591 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035895.D

Acq: 27 Nov 2019 14:34

Instrument :

MSVOA_U

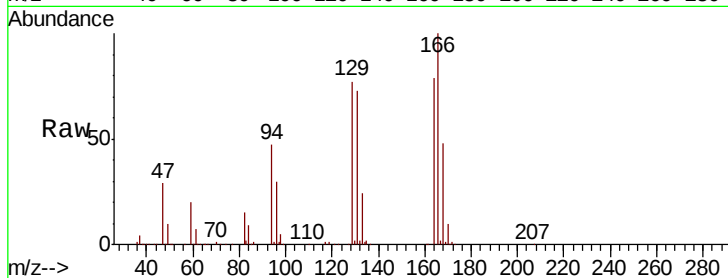
ClientSampled :

Tot Ion:129 Resp: 434737

Ion Ratio Lower Upper

129 100

127 0.1 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

250000

200000

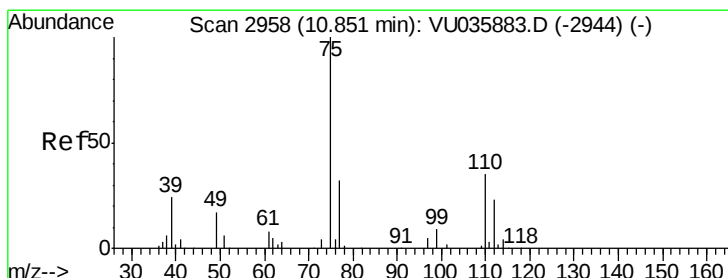
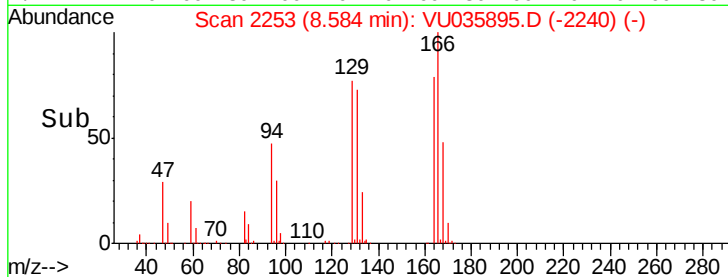
150000

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.538 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035895.D

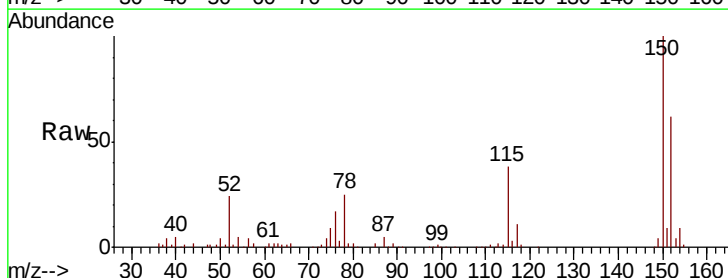
Acq: 27 Nov 2019 14:34

Tgt Ion: 75 Resp: 11923

Ion Ratio Lower Upper

75 100

77 37.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.84

8000

6000

4000

2000

0

Time-->

