

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033895.D
 Acq On : 22 Aug 2019 00:29
 Operator : JC/SP
 Sample : K4454-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2C00

Quant Time: Aug 22 08:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 07:18:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	392561	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405039	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	168272	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	161098	45.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.22%
7) Chloroethane-d5	1.67	69	133971	40.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.12%
11) 1,1-Dichloroethene-d2	2.25	63	199590	33.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.62%
21) 2-Butanone-d5	4.15	46	202801	109.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.49%
24) Chloroform-d	4.62	84	254641	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
26) 1,2-Dichloroethane-d4	5.28	65	169770	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
32) Benzene-d6	5.32	84	511498	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.66%
36) 1,2-Dichloropropane-d6	6.31	67	173590	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.38%
41) Toluene-d8	7.55	98	435686	41.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.10%
43) trans-1,3-Dichloropropene-	7.83	79	69286	40.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.78%
47) 2-Hexanone-d5	8.30	63	122399	90.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.34%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	246327	48.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.90%
64) 1,2-Dichlorobenzene-d4	11.84	152	168230	50.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.32%

Target Compounds

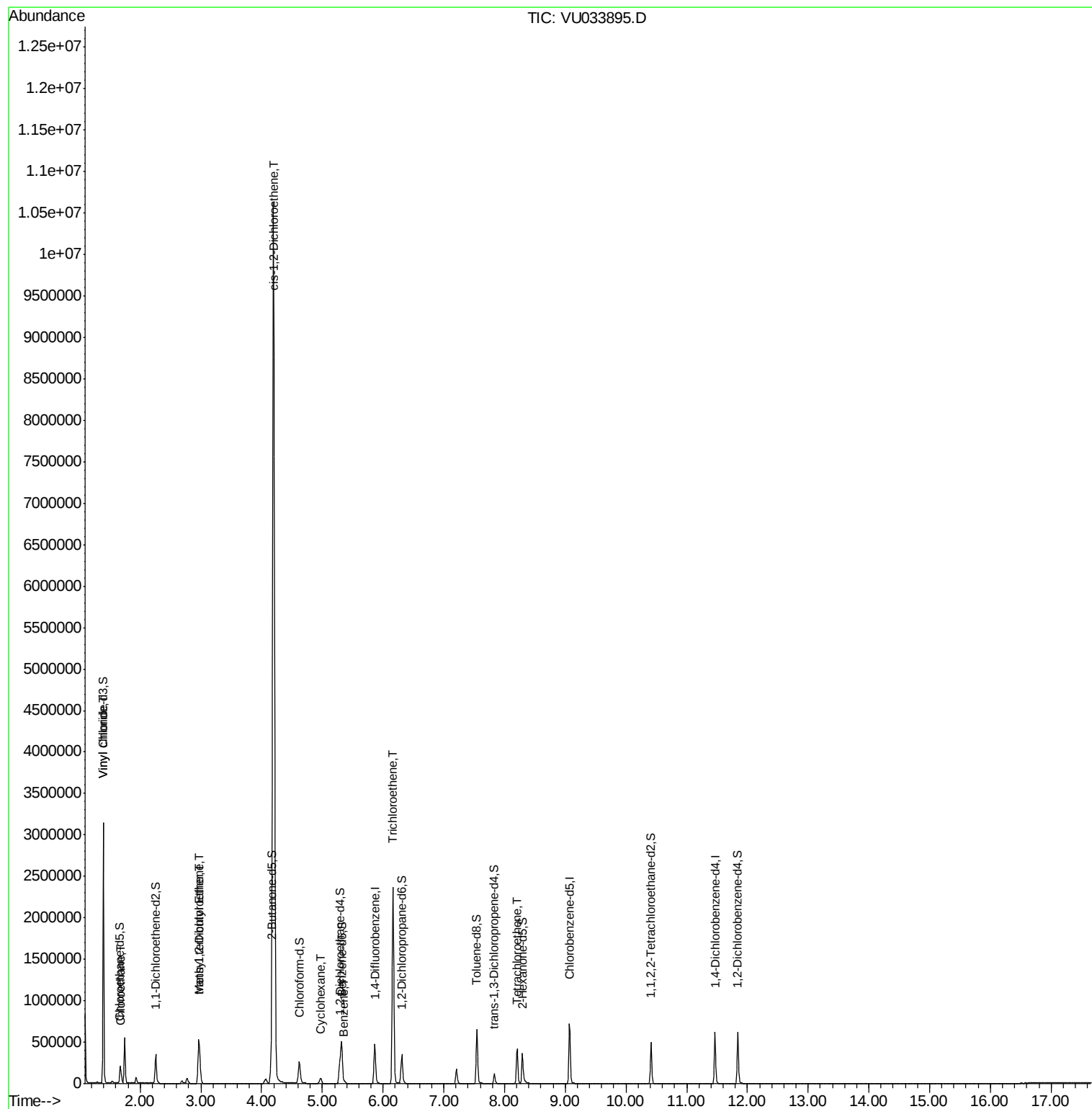
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	1783448	404.483	ug/L	98
8) Chloroethane	1.69	64	65148	21.329	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	134440	47.535	ug/L	97
18) Methyl tert-butyl Ether	2.98	73	279363	33.847	ug/L	95
20) cis-1,2-Dichloroethene	4.20	96	5797402	1894.913	ug/L	94
29) Cyclohexane	4.97	56	29760	6.858	ug/L	98
33) Benzene	5.37	78	18576	1.518	ug/L	100
34) Trichloroethene	6.16	95	796970	244.065	ug/L	99
46) Tetrachloroethene	8.21	164	94342	36.037	ug/L	98

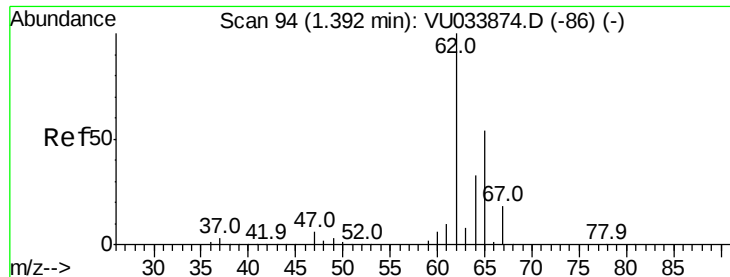
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 404.483 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033895.D

Acq: 22 Aug 2019 00:29

Instrument :

MSVOA_U

ClientSampleId :

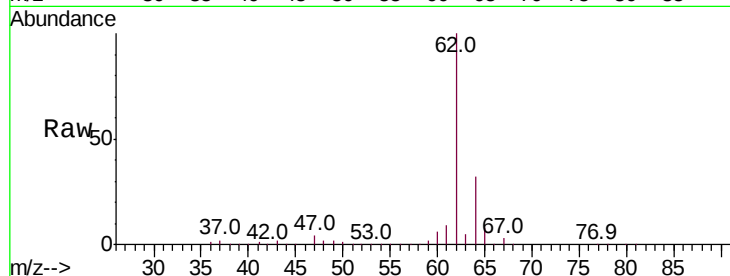
F2C00

Tot Ion: 62 Resp: 1783448

Ion Ratio Lower Upper

62 100

64 32.2 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU033874.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033895.D (-61) (-)

2000000

1500000

1000000

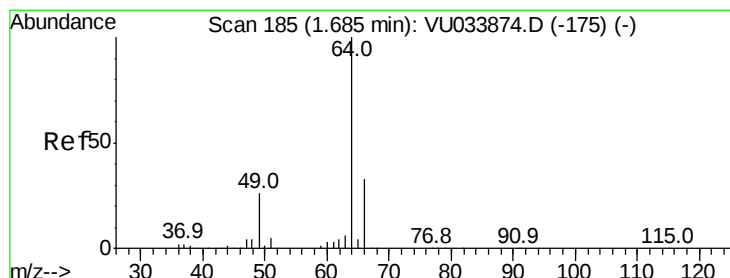
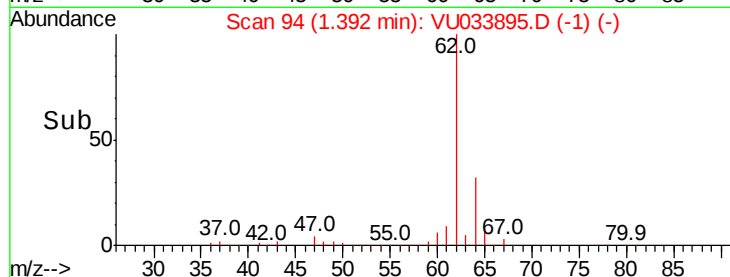
500000

0

1.39

1.35 1.40 1.45

Time-->



#8

Chloroethane

Concen: 21.329 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033895.D

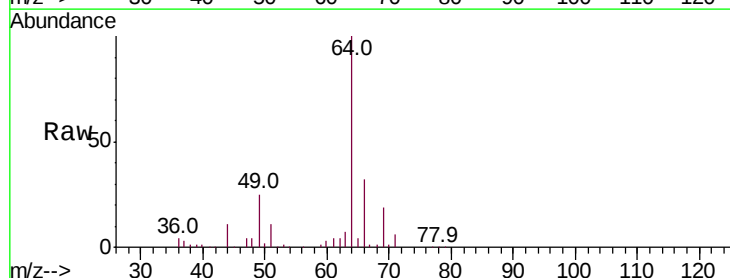
Acq: 22 Aug 2019 00:29

Tgt Ion: 64 Resp: 65148

Ion Ratio Lower Upper

64 100

66 32.3 23.9 44.3



Abundance Ion 64.00 (63.70 to 64.70): VU033874.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033895.D (-61) (-)

60000

50000

40000

30000

20000

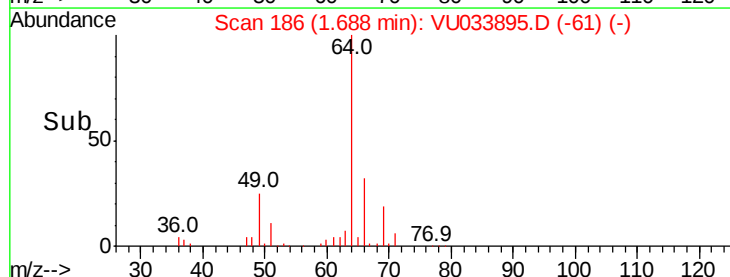
10000

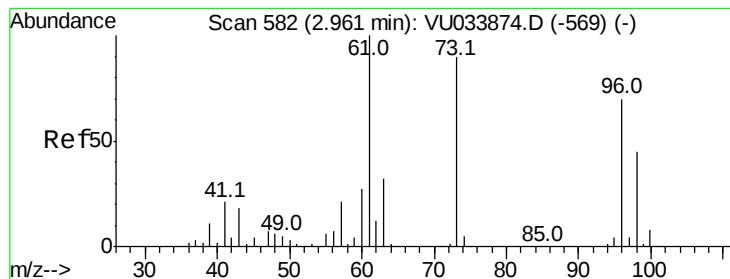
0

1.69

1.65 1.70 1.75

Time-->





#17

trans-1,2-Dichloroethene

Concen: 47.535 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033895.D

Acq: 22 Aug 2019 00:29

Instrument :

MSVOA_U

ClientSampleId :

F2C00

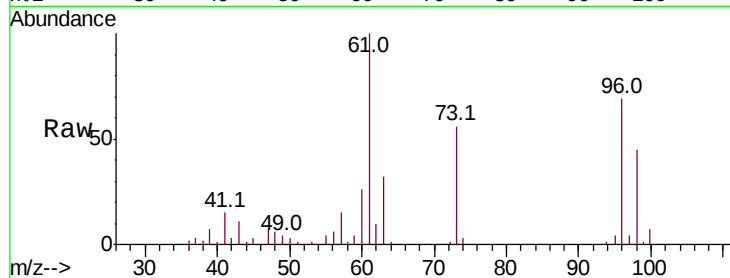
Tot Ion: 96 Resp: 134440

Ion Ratio Lower Upper

96 100

61 144.2 98.6 183.2

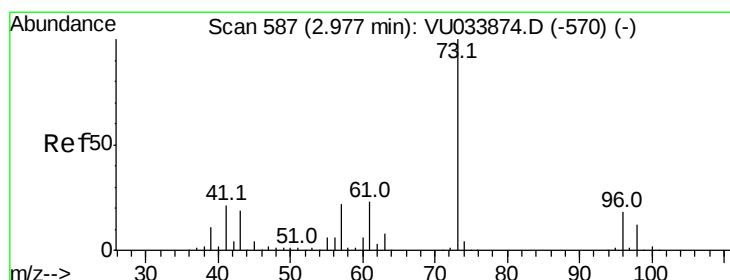
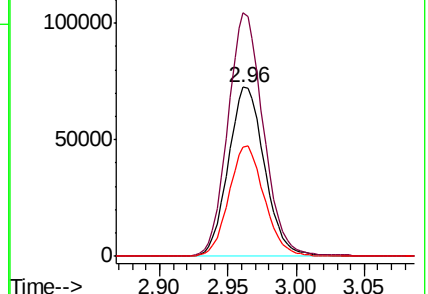
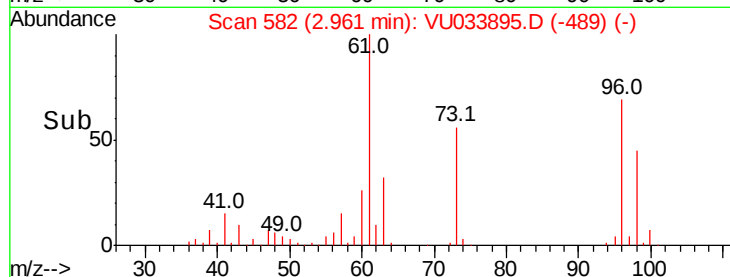
98 65.1 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 33.847 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033895.D

Acq: 22 Aug 2019 00:29

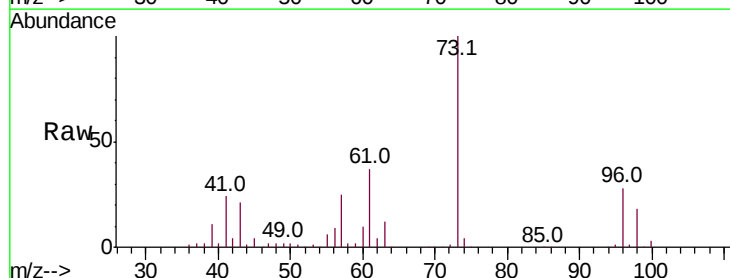
Tgt Ion: 73 Resp: 279363

Ion Ratio Lower Upper

73 100

43 20.9 15.2 22.8

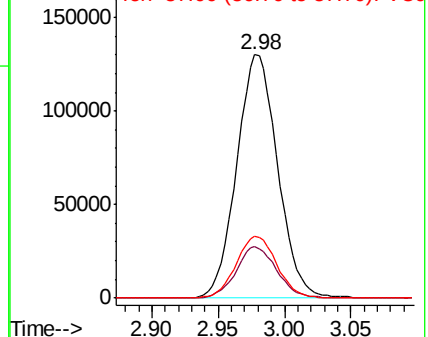
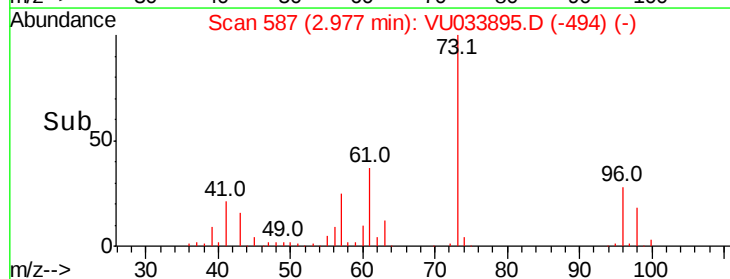
57 25.2 17.8 26.8

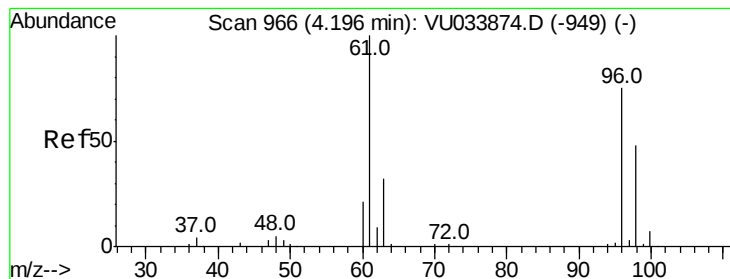


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





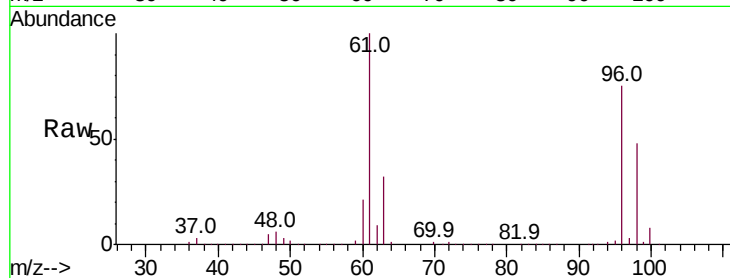
#20

cis-1,2-Dichloroethene
 Concen: 1894.913 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033895.D
 Acq: 22 Aug 2019 00:29

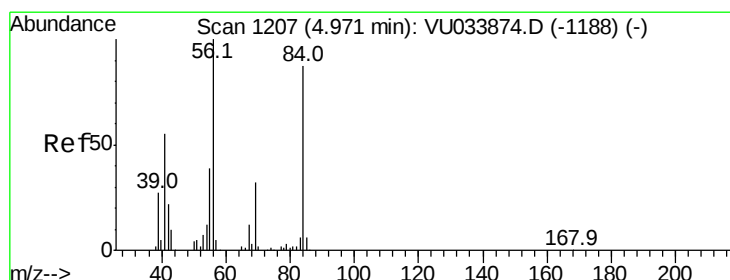
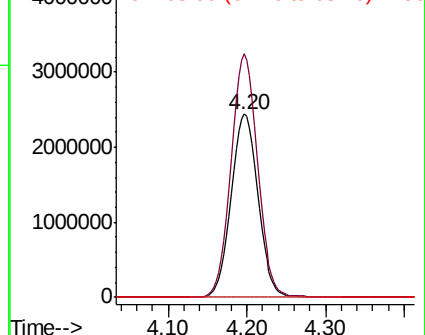
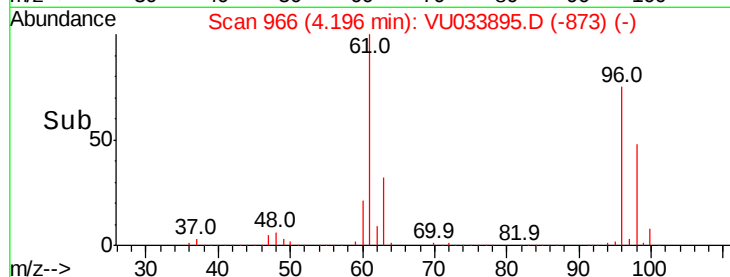
Instrument :
 MSVOA_U
 ClientSampleId :
 F2C00

Tot Ion: 96 Resp: 5797402

Ion	Ratio	Lower	Upper
96	100		
61	132.8	88.2	163.8
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

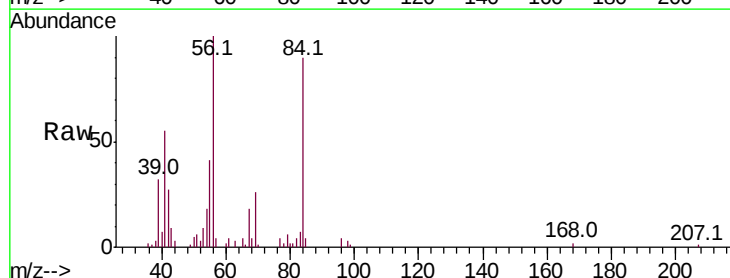


#29

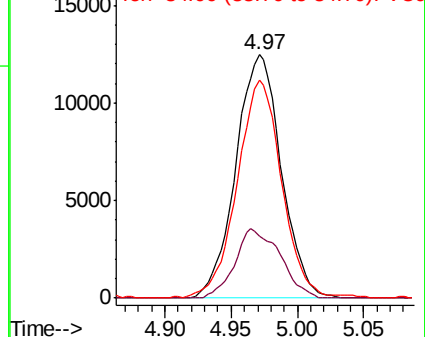
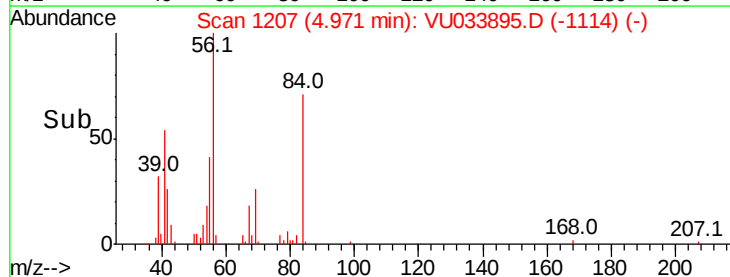
Cyclohexane
 Concen: 6.858 ug/L
 RT: 4.97 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VU033895.D
 Acq: 22 Aug 2019 00:29

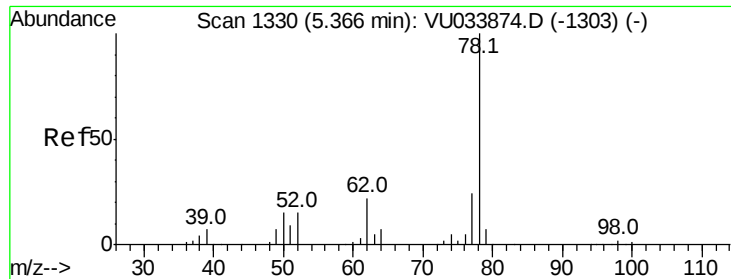
Tgt Ion: 56 Resp: 29760

Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.4	36.6
84	87.3	69.0	103.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
 Ion 69.00 (68.70 to 69.70): VU0
 Ion 84.00 (83.70 to 84.70): VU0





#33

Benzene

Concen: 1.518 ug/L

RT: 5.37 min Scan# 1330

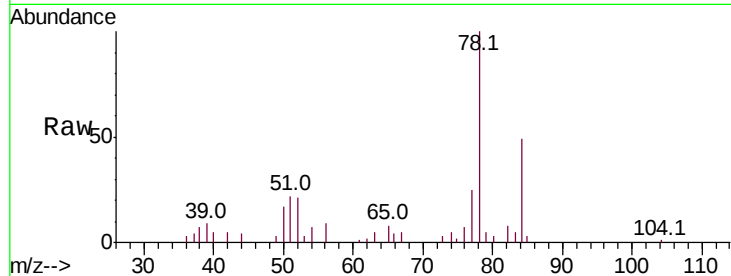
Delta R.T. 0.00 min

Lab File: VU033895.D

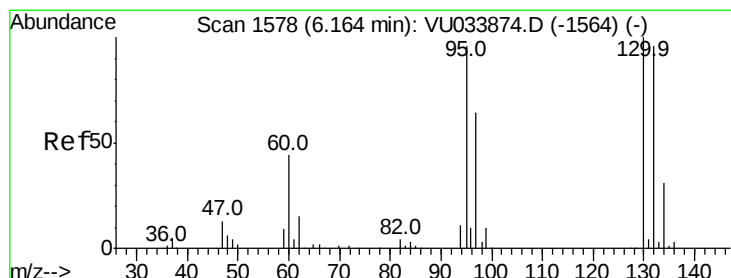
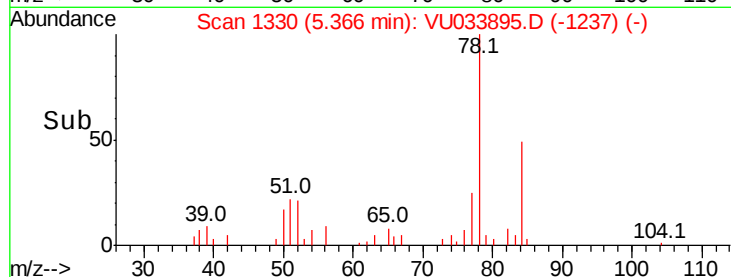
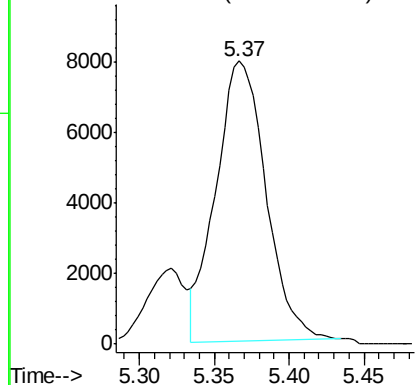
Acq: 22 Aug 2019 00:29

Instrument :
MSVOA_U
ClientSampleId :
F2C00

Tgt Ion: 78 Resp: 18576



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 244.065 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033895.D

Acq: 22 Aug 2019 00:29

Tgt Ion: 95 Resp: 796970

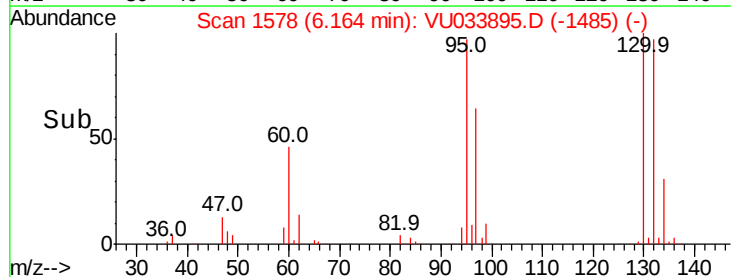
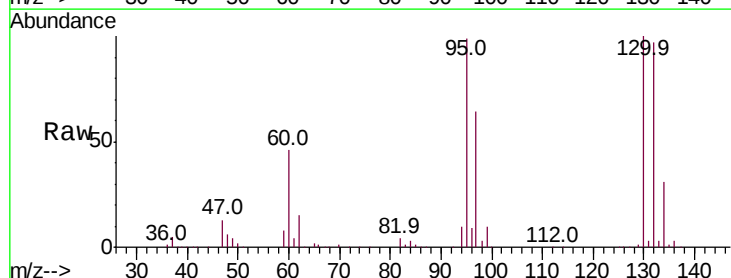
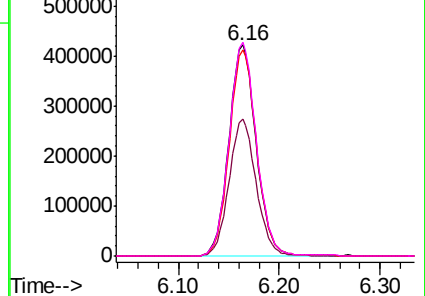
Ion	Ratio	Lower	Upper
95	100		
97	64.8	46.3	86.1
132	97.9	67.9	126.1
130	101.2	72.0	133.6

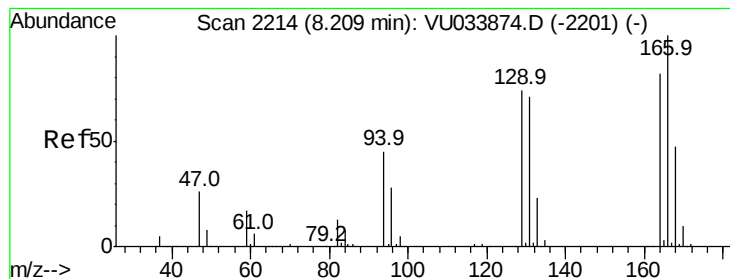
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#46

Tetrachloroethene

Concen: 36.037 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033895.D

Acq: 22 Aug 2019 00:29

Instrument :
MSVOA_U
ClientSampleId :
F2C00

Tot Ion:164 Resp: 94342

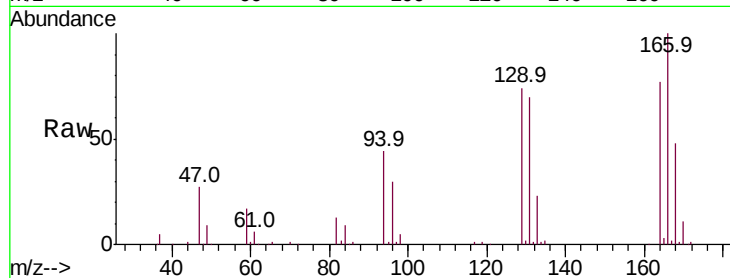
Ion Ratio Lower Upper

164 100

129 96.1 64.4 119.6

131 90.9 63.8 118.4

166 129.3 90.9 168.7



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

