

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112919\
 Data File : VU035925.D
 Acq On : 29 Nov 2019 16:10
 Operator : JC/SP
 Sample : K6056-07DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE14DL

Quant Time: Nov 30 04:52:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 30 03:20:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230441	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270632	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	99685	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	128226	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.93	69	129257	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.60	63	245127	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.70	46	364562	52.33	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.66%
24) Chloroform-d	5.11	84	233859	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.75	65	133714	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.77	84	443655	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	6.73	67	158025	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.93	98	344340	3.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.20%
43) trans-1,3-Dichloropropene-	8.22	79	52846	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.68	63	271155	49.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	134810	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	110608	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

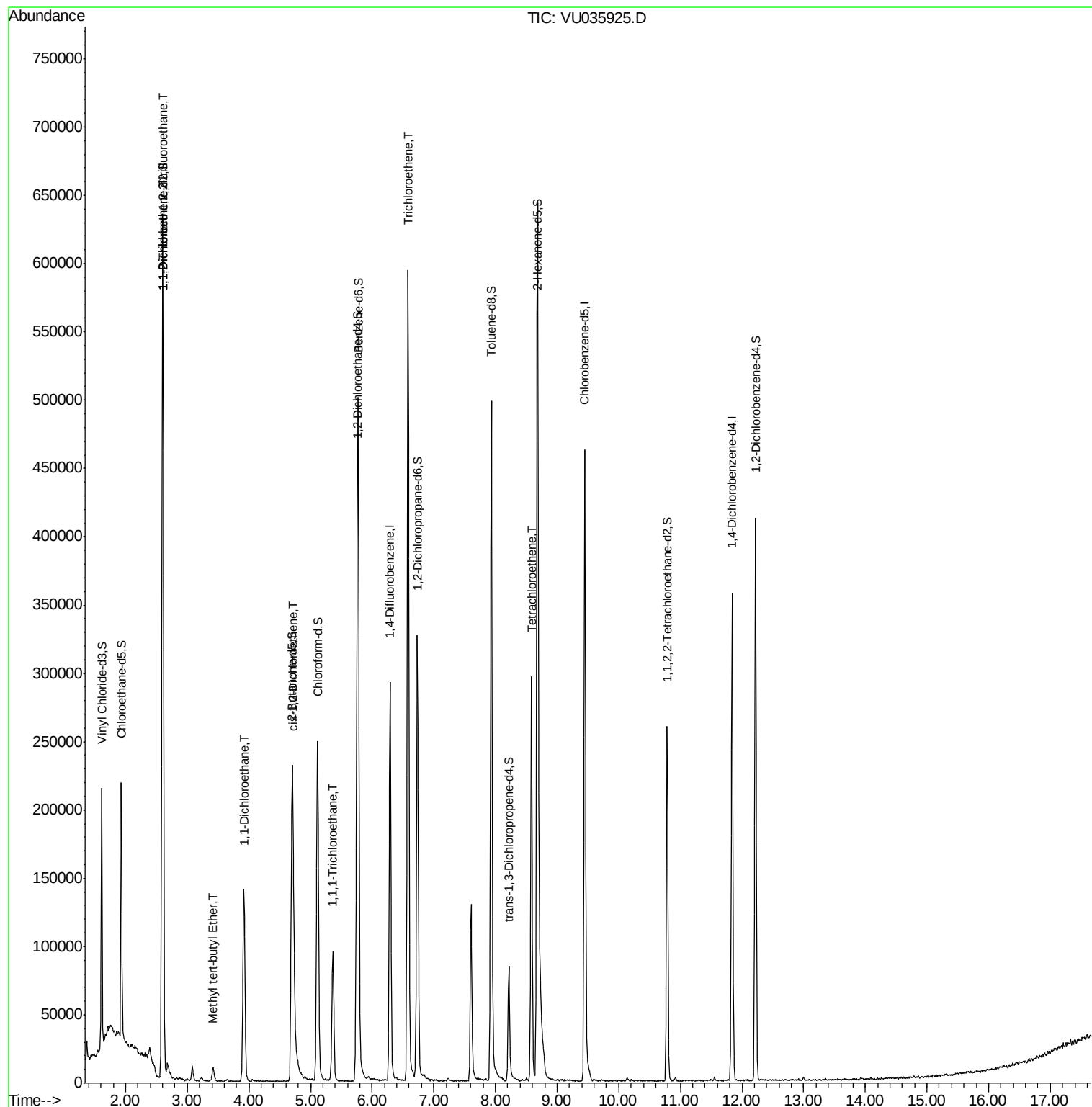
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	17134	0.675	ug/L	93
12) 1,1-Dichloroethene	2.61	96	148448	6.191	ug/L	84
17) Methyl tert-butyl Ether	3.42	73	8878	0.153	ug/L #	90
19) 1,1-Dichloroethane	3.92	63	164120	3.094	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	25650	0.975	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	67619	1.547	ug/L	97
34) Trichloroethene	6.58	95	209723	7.572	ug/L	98
47) Tetrachloroethene	8.58	164	66125	3.137	ug/L	98

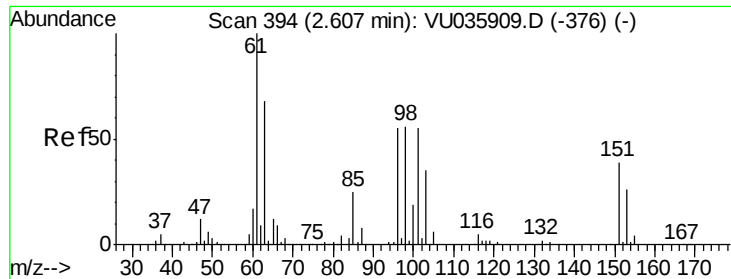
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration





#10

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

Concen: 0.675 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

BFE14DL

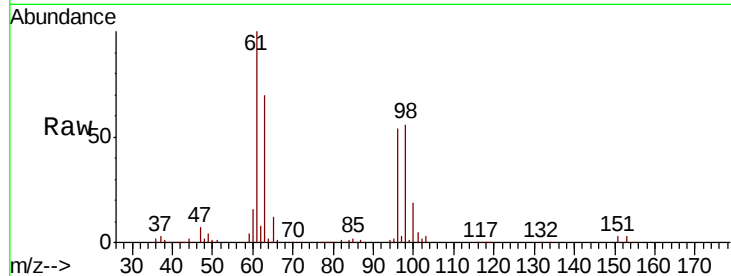
Tot Ion:101 Resp: 17134

Ion Ratio Lower Upper

101 100

85 38.5 38.1 57.1

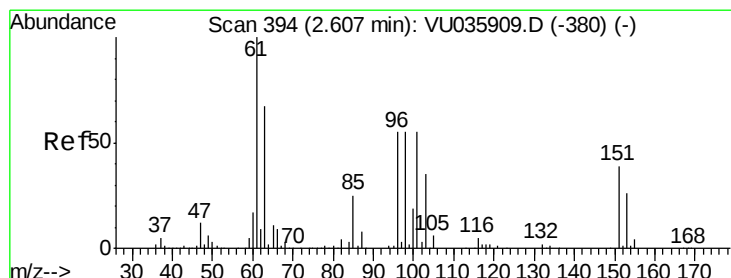
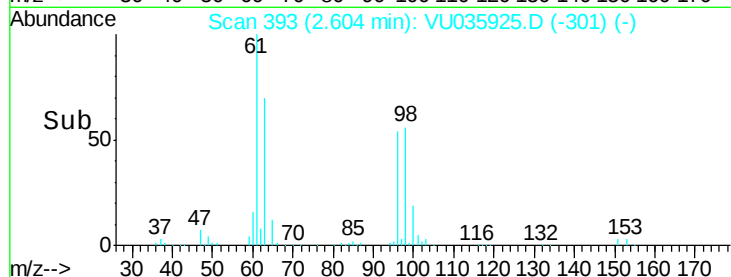
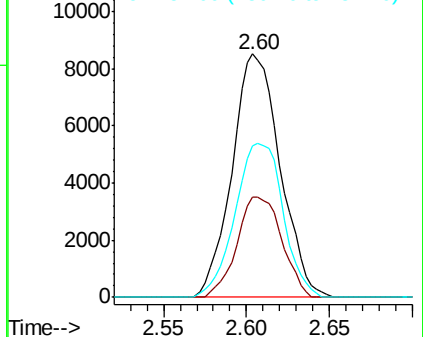
151 63.3 52.0 78.0



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: 6.191 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

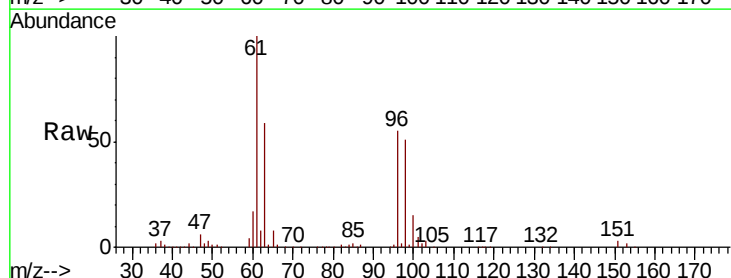
Tgt Ion: 96 Resp: 148448

Ion Ratio Lower Upper

96 100

61 181.9 139.3 258.7

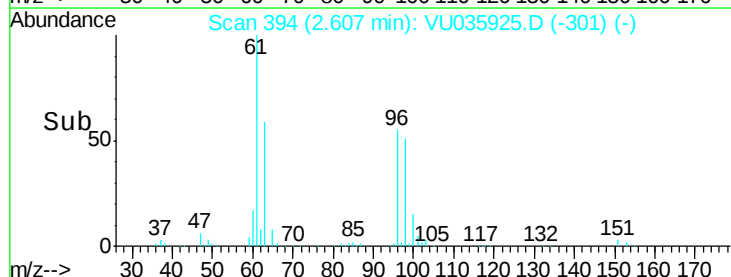
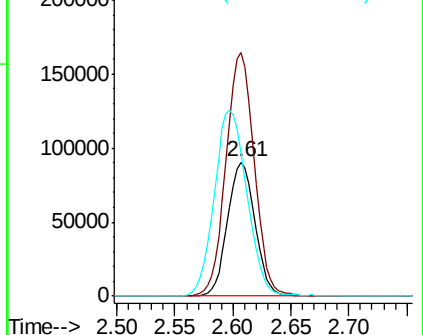
63 107.5 93.7 174.1

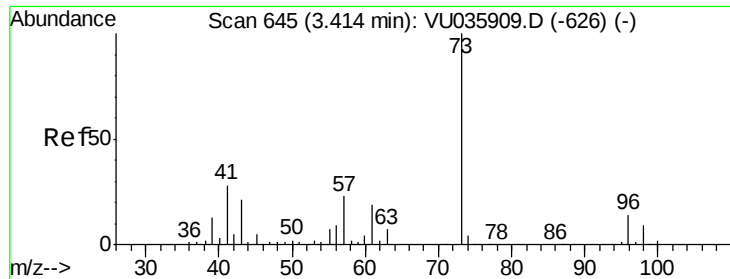


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

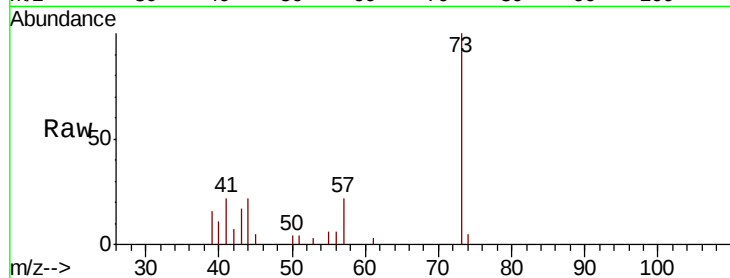




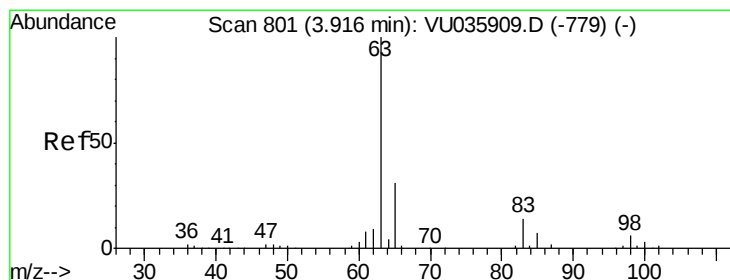
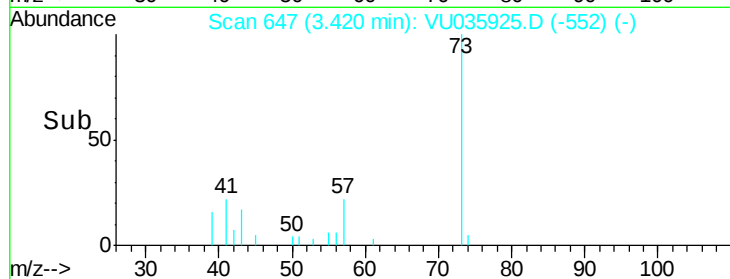
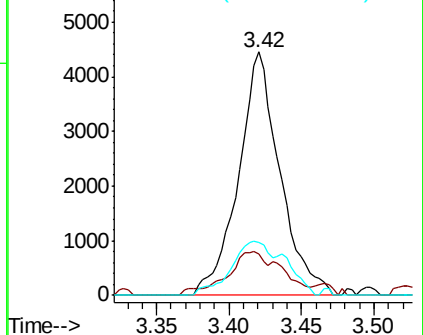
#17
Methvl tert-butvl Ether
Concen: 0.153 ug/L
RT: 3.42 min Scan# 647
Delta R.T. 0.01 min
Lab File: VU035925.D
Acq: 29 Nov 2019 16:10

Instrument :
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BFE14DL

Tot Ion: 73 Resp: 8878
Ion Ratio Lower Upper
73 100
43 16.7 17.4 26.2#
57 28.6 19.4 29.0

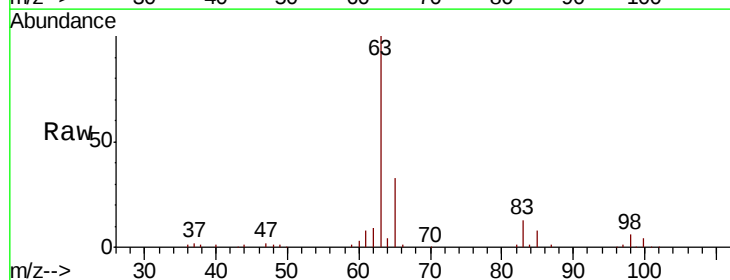


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

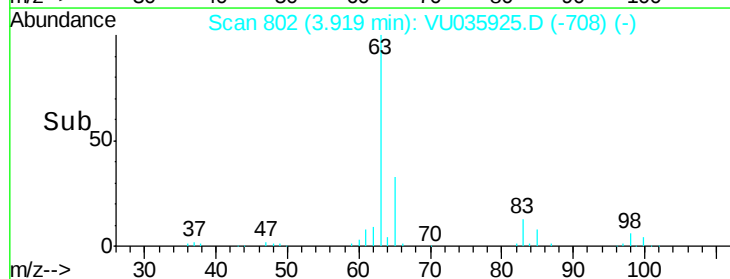
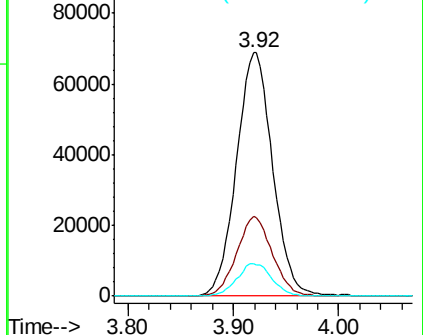


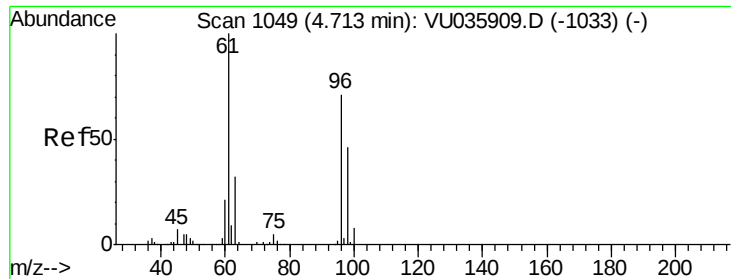
#19
1,1-Dichloroethane
Concen: 3.094 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU035925.D
Acq: 29 Nov 2019 16:10

Tgt Ion: 63 Resp: 164120
Ion Ratio Lower Upper
63 100
65 32.6 21.8 40.4
83 13.4 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.975 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

BFE14DL

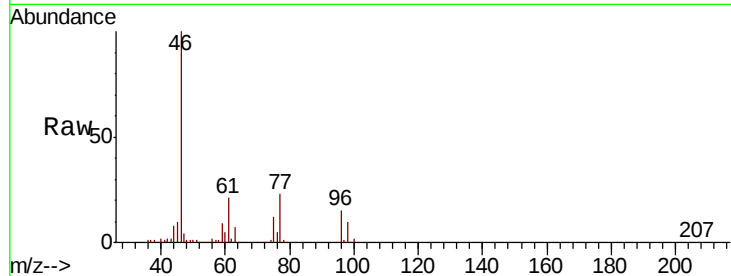
Tot Ion: 96 Resp: 25650

Ion Ratio Lower Upper

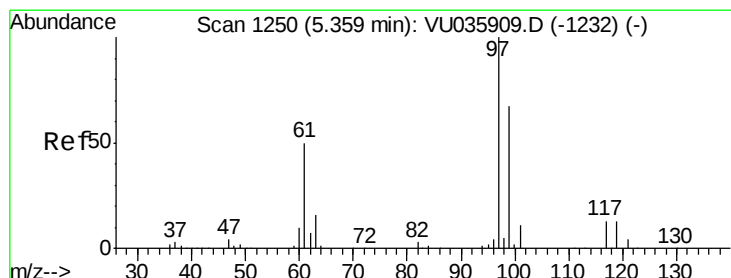
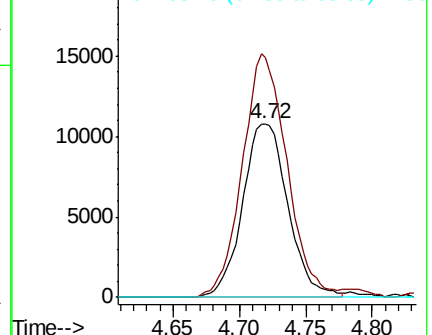
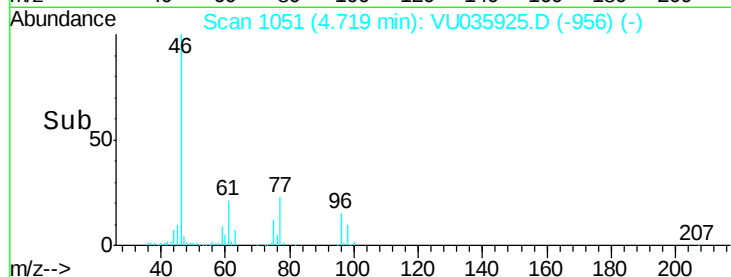
96 100

61 138.0 98.1 182.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035925.D (-956) (-)



#29

1,1,1-Trichloroethane

Concen: 1.547 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

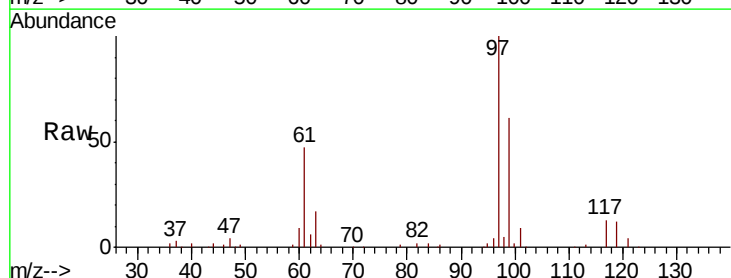
Tgt Ion: 97 Resp: 67619

Ion Ratio Lower Upper

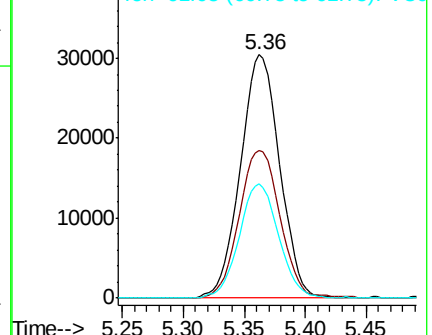
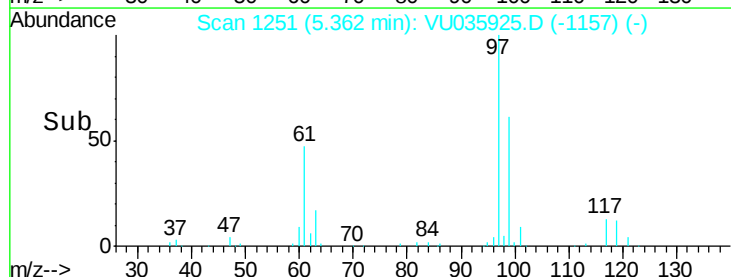
97 100

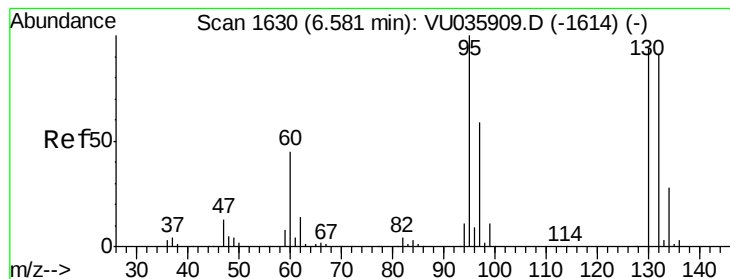
99 63.5 51.9 77.9

61 47.2 40.3 60.5



Abundance Ion 96.95 (96.65 to 97.65): VU035925.D (-1157) (-)





#34

Trichloroethene

Concen: 7.572 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Instrument :

MSVOA_U

ClientSampleId :

BFE14DL

Tot Ion: 95 Resp: 209723

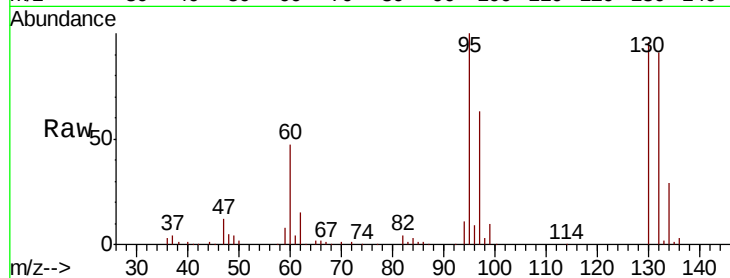
Ion Ratio Lower Upper

95 100

97 63.4 45.1 83.9

132 91.3 61.9 114.9

130 95.8 66.3 123.1

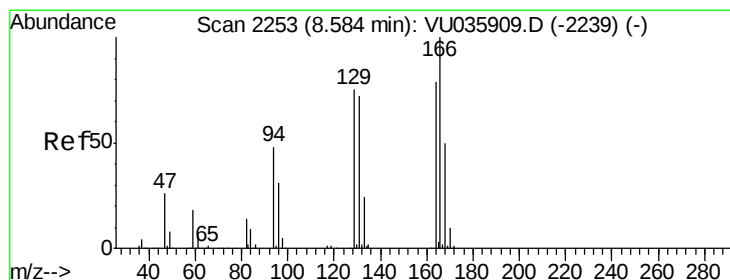
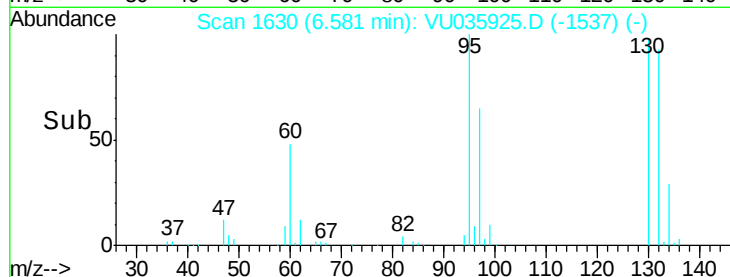
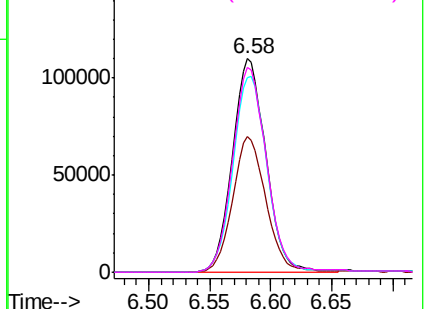


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 3.137 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035925.D

Acq: 29 Nov 2019 16:10

Tgt Ion: 164 Resp: 66125

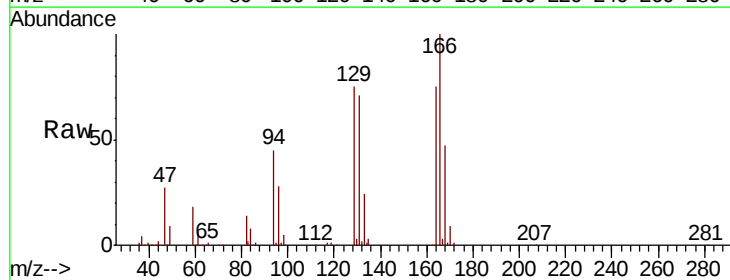
Ion Ratio Lower Upper

164 100

129 100.3 68.8 127.8

131 94.8 67.3 124.9

166 133.8 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

