

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112219\
 Data File : VU035822.D
 Acq On : 22 Nov 2019 14:45
 Operator : JC/SP
 Sample : K5930-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:17:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 23 00:14:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	227305	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.46	117	264073	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	72012	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	124385	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.93	69	118805	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.60	63	212382	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.69	46	350480	51.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.00%
24) Chloroform-d	5.11	84	220930	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.75	65	136927	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.77	84	434045	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.74	67	157738	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.93	98	350730	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	8.22	79	51936	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.70	63	213836	40.27	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	123094	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	75784	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

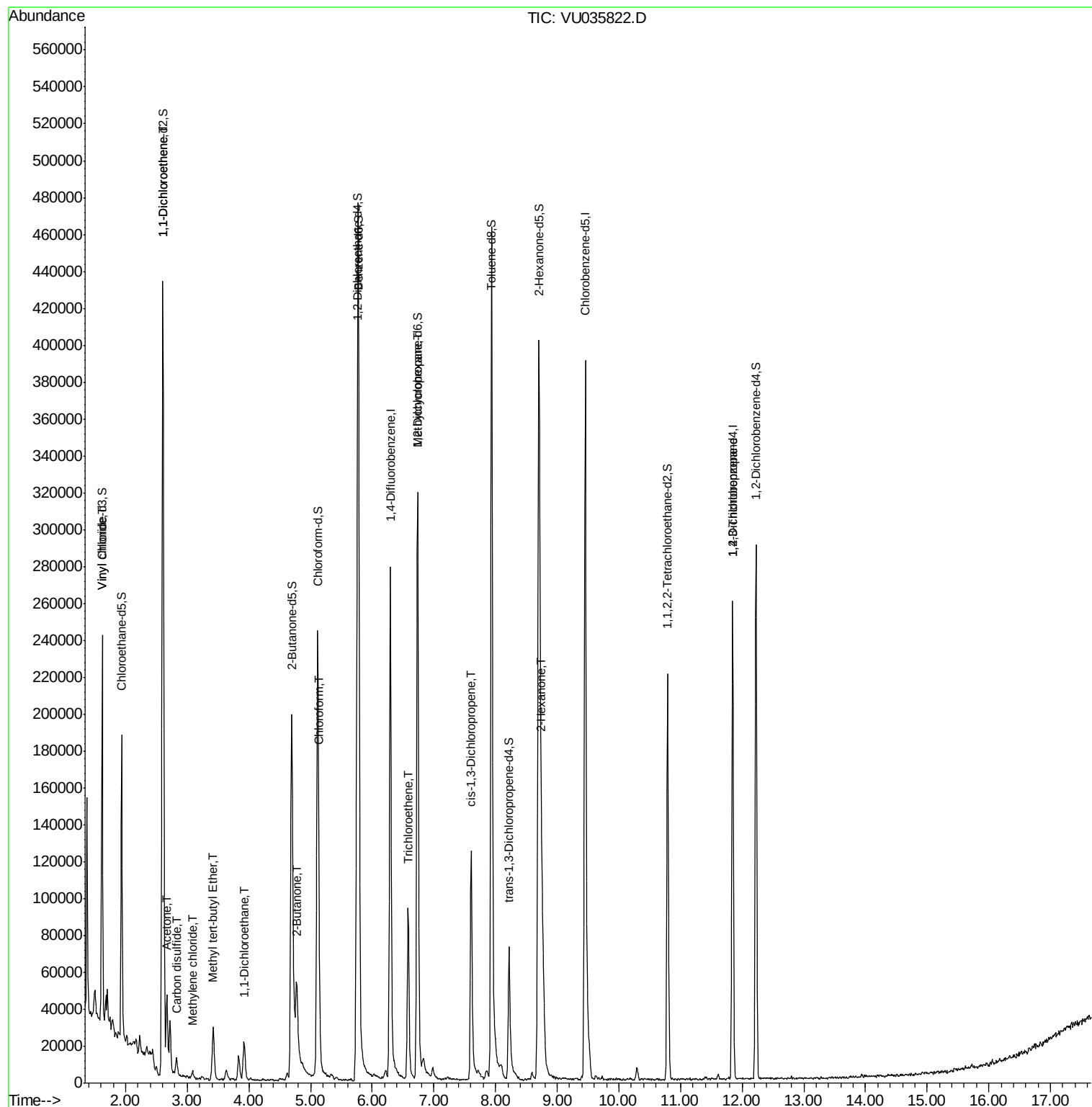
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	11316	0.298	ug/L #	1
12) 1,1-Dichloroethene	2.61	96	92615	3.916	ug/L	90
13) Acetone	2.67	43	46723	7.742	ug/L	98
14) Carbon disulfide	2.83	76	11574	0.147	ug/L	95
16) Methylene chloride	3.09	84	1841	0.064	ug/L	81
17) Methyl tert-butyl Ether	3.42	73	26727	0.467	ug/L	96
19) 1,1-Dichloroethane	3.92	63	25710	0.491	ug/L	94
21) 2-Butanone	4.77	43	63699	8.341	ug/L	100
25) Chloroform	5.14	83	18516	0.364	ug/L	90
34) Trichloroethene	6.58	95	32849	1.215	ug/L	98
35) Methylcyclohexane	6.74	83	35318	0.890	ug/L #	14
39) cis-1,3-Dichloropropene	7.61	75	3577	0.088	ug/L #	65
48) 2-Hexanone	8.75	43	32034	2.267	ug/L #	90
59) 1,2,3-Trichloropropane	11.84	75	10371	0.510	ug/L	92

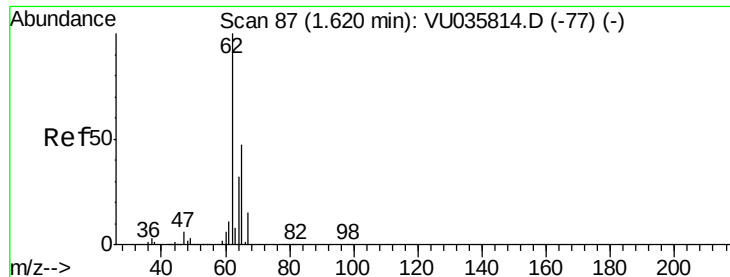
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 23 00:14:30 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.298 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035822.D

Acq: 22 Nov 2019 14:45

Instrument :

MSVOA_U

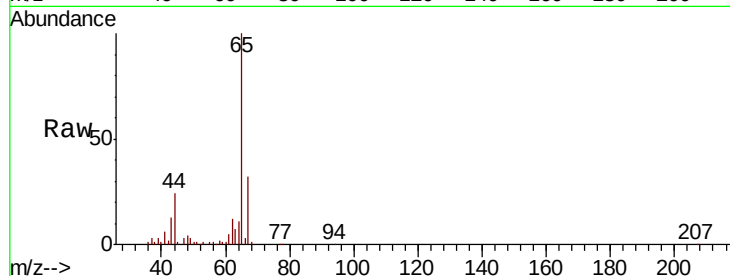
ClientSampleId :

Tot Ion: 62 Resp: 11316

Ion Ratio Lower Upper

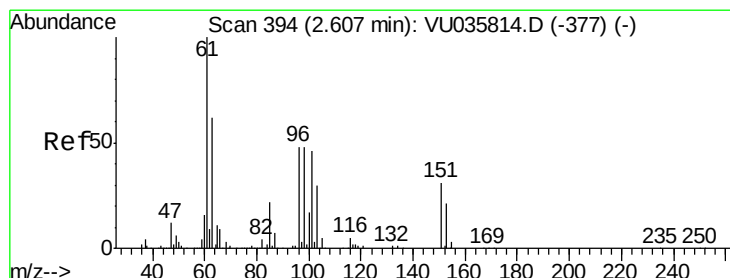
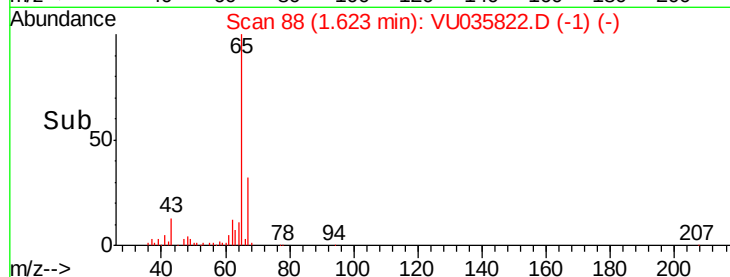
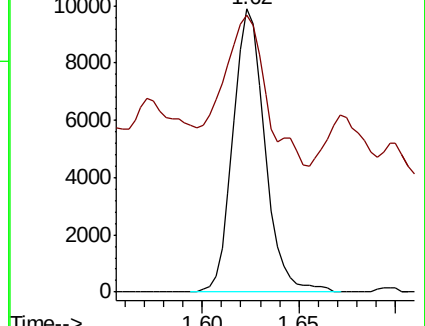
62 100

64 97.7 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU035814.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035814.D (-77) (-)



#12

1,1-Dichloroethene

Concen: 3.916 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035822.D

Acq: 22 Nov 2019 14:45

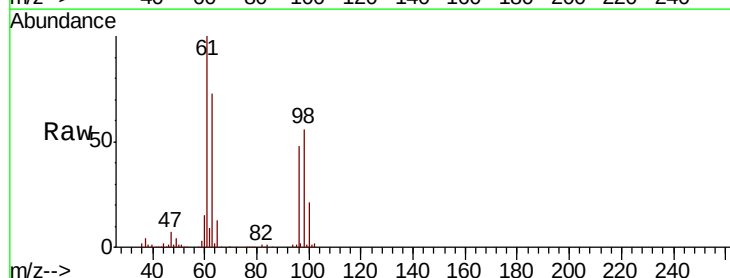
Tgt Ion: 96 Resp: 92615

Ion Ratio Lower Upper

96 100

61 208.2 139.3 258.7

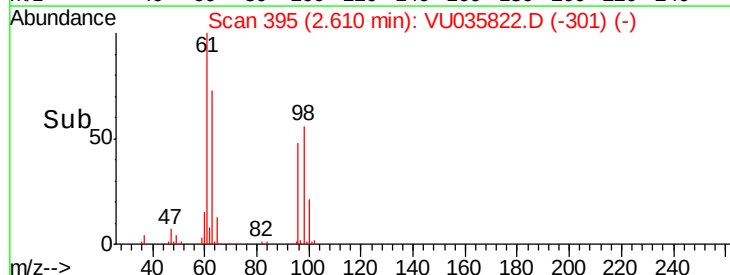
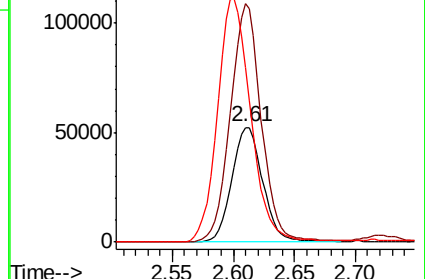
63 151.8 93.7 174.1

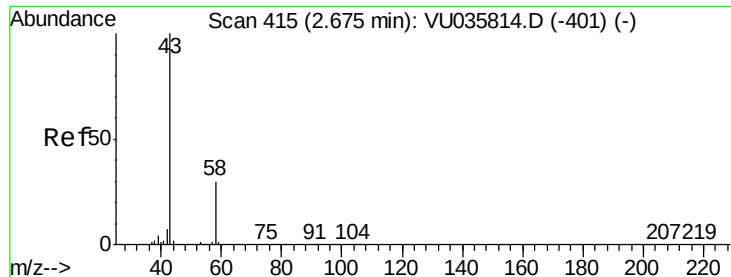


Abundance Ion 96.00 (95.70 to 96.70): VU035814.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU035814.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU035814.D (-377) (-)





#13

Acetone

Concen: 7.742 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035822.D

Acq: 22 Nov 2019 14:45

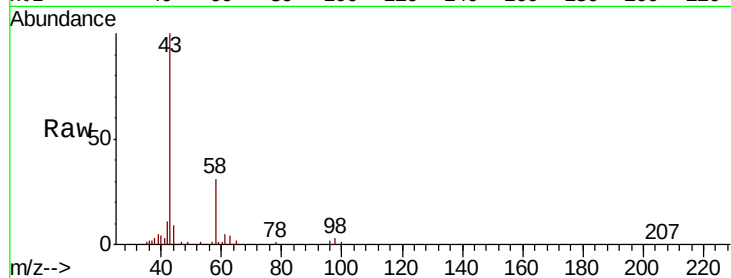
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 46723

Ion Ratio Lower Upper

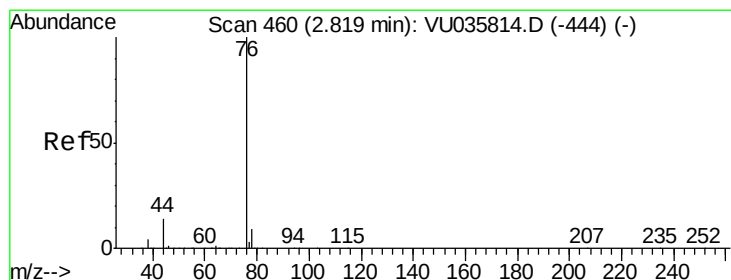
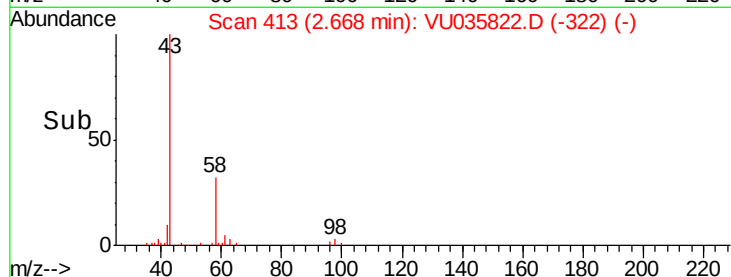
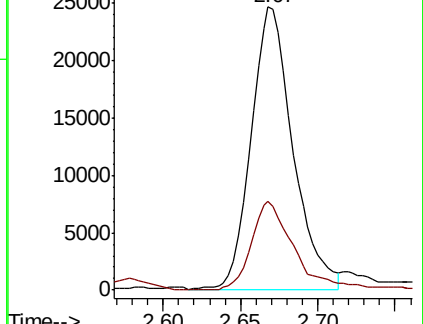
43 100

58 31.8 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035814.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035814.D (-401) (-)



#14

Carbon disulfide

Concen: 0.147 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.01 min

Lab File: VU035822.D

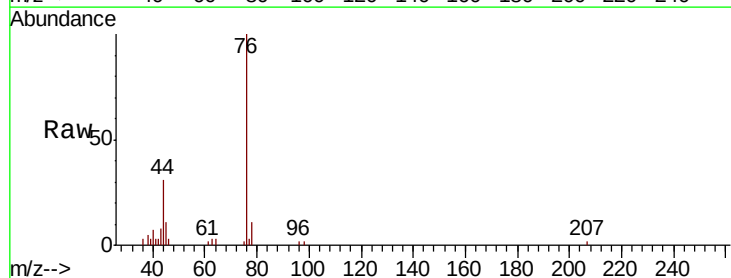
Acq: 22 Nov 2019 14:45

Tgt Ion: 76 Resp: 11574

Ion Ratio Lower Upper

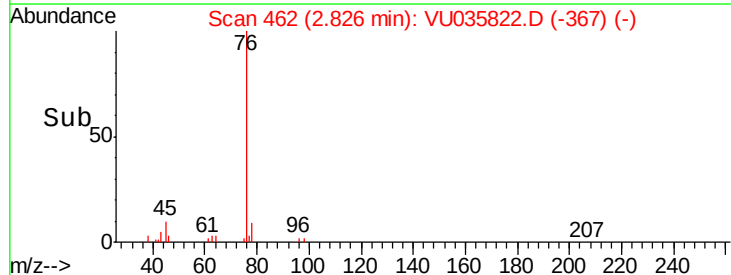
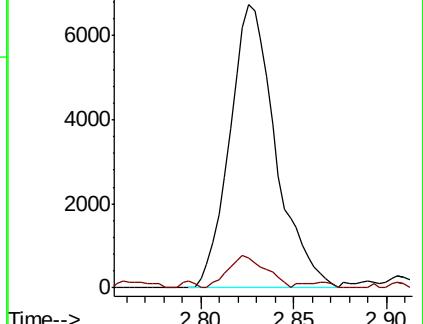
76 100

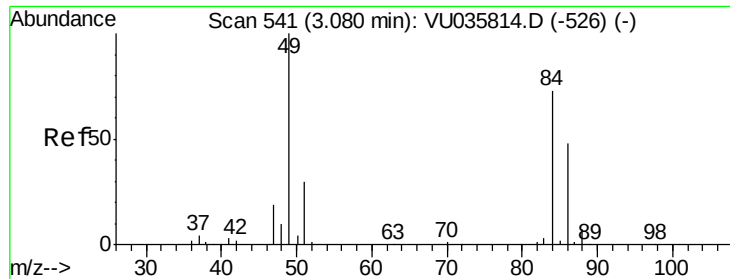
78 10.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035814.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU035814.D (-444) (-)

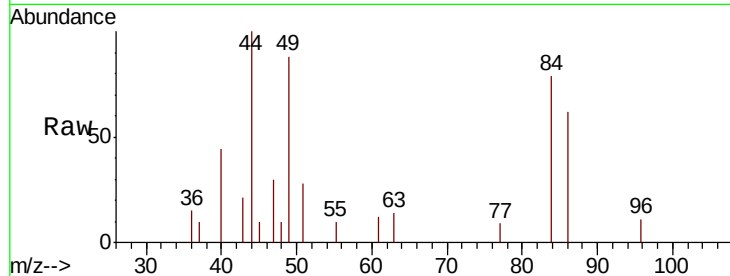




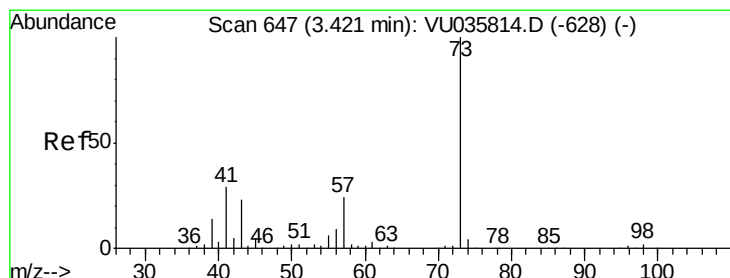
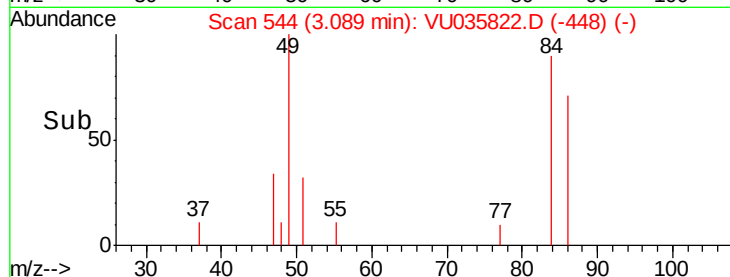
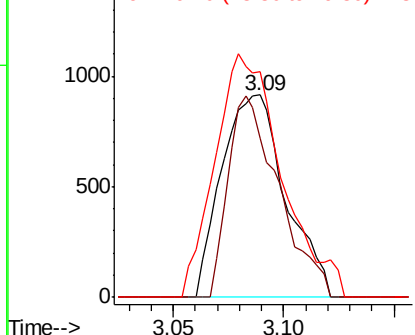
#16
Methylene chloride
Concen: 0.064 ug/L
RT: 3.09 min Scan# 544
Delta R.T. 0.01 min
Lab File: VU035822.D
Acq: 22 Nov 2019 14:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 1841
Ion Ratio Lower Upper
84 100
86 78.8 44.4 82.5
49 111.7 94.0 174.6

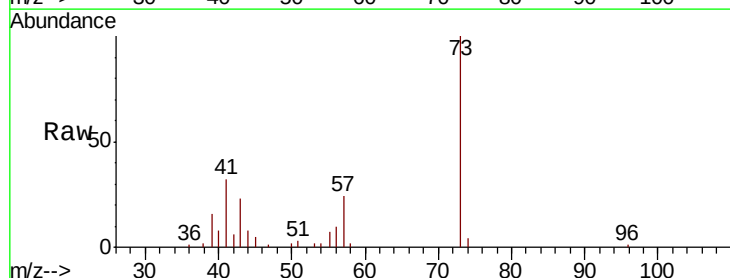


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

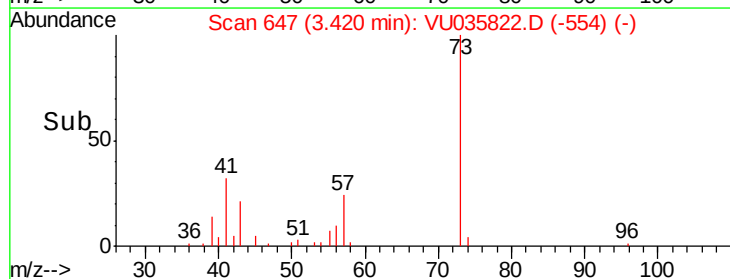
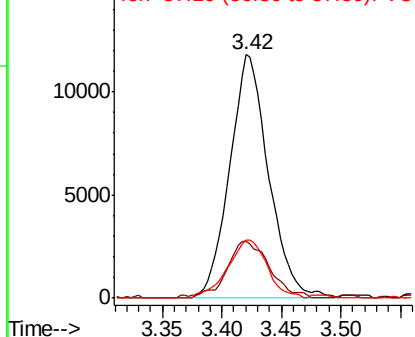


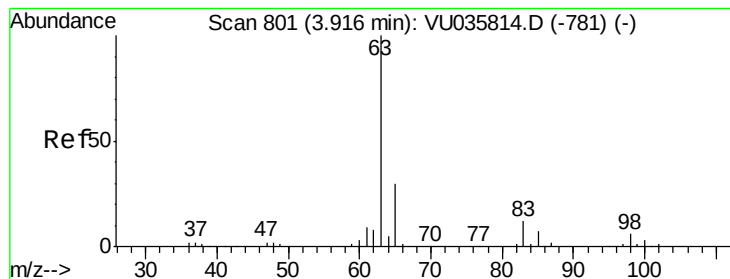
#17
Methyl tert-butyl Ether
Concen: 0.467 ug/L
RT: 3.42 min Scan# 647
Delta R.T. -0.00 min
Lab File: VU035822.D
Acq: 22 Nov 2019 14:45

Tgt Ion: 73 Resp: 26727
Ion Ratio Lower Upper
73 100
43 25.6 17.4 26.2
57 24.4 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: 0.491 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035822.D

Acq: 22 Nov 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :

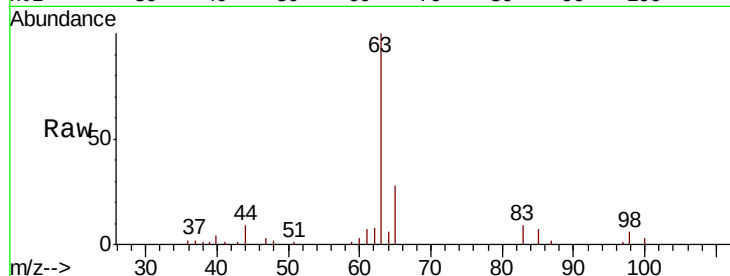
Tot Ion: 63 Resp: 25710

Ion Ratio Lower Upper

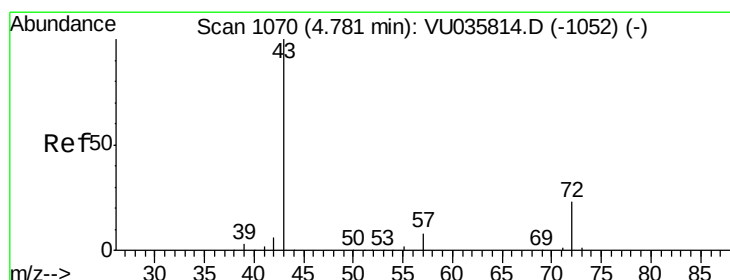
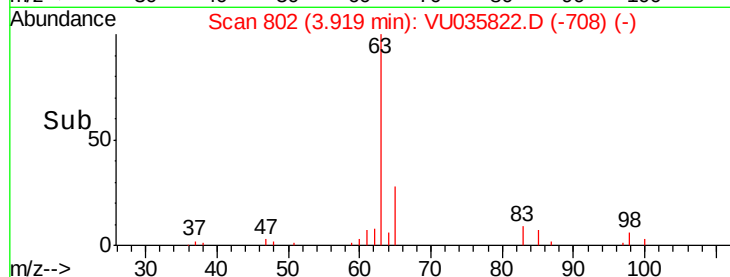
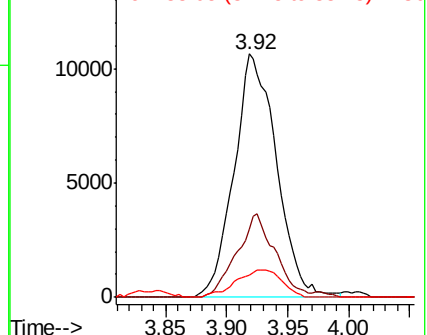
63 100

65 28.3 21.8 40.4

83 9.0 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



#21

2-Butanone

Concen: 8.341 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VU035822.D

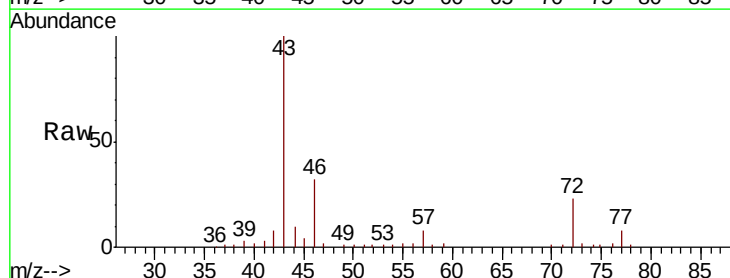
Acq: 22 Nov 2019 14:45

Tgt Ion: 43 Resp: 63699

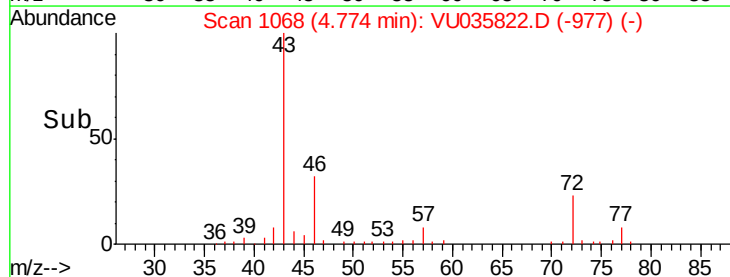
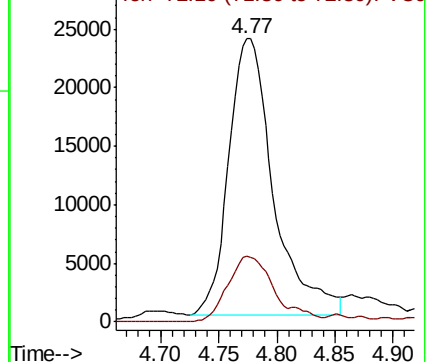
Ion Ratio Lower Upper

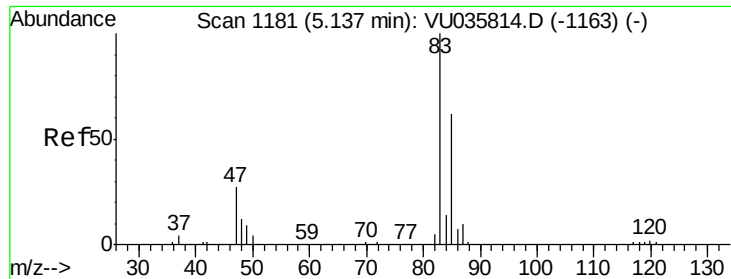
43 100

72 24.9 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0

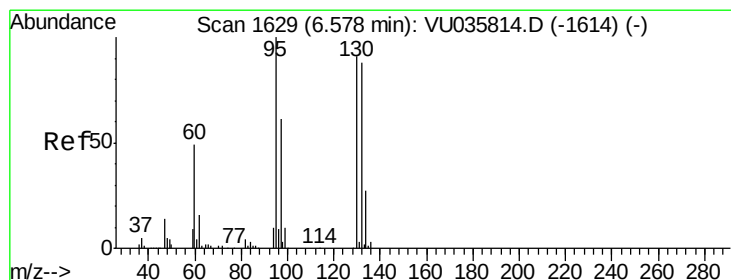
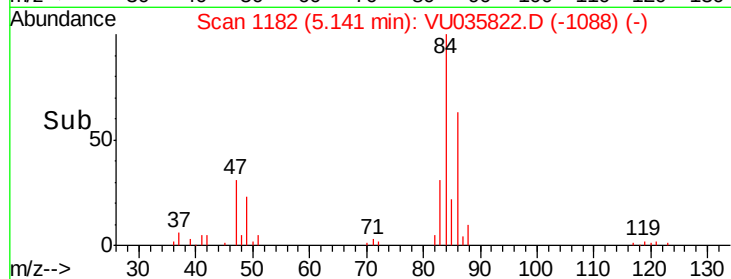
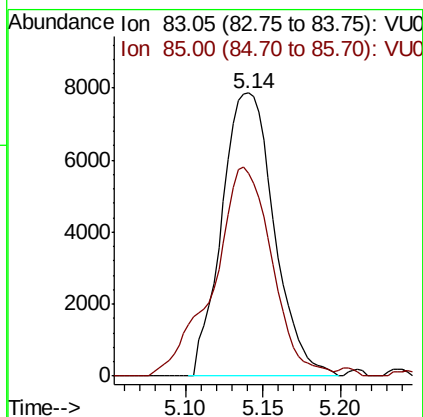
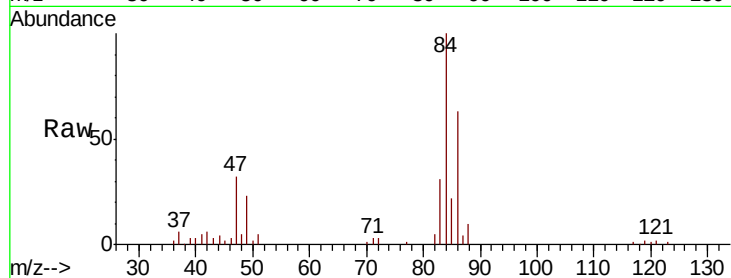




#25
Chloroform
Concen: 0.364 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035822.D
Acq: 22 Nov 2019 14:45

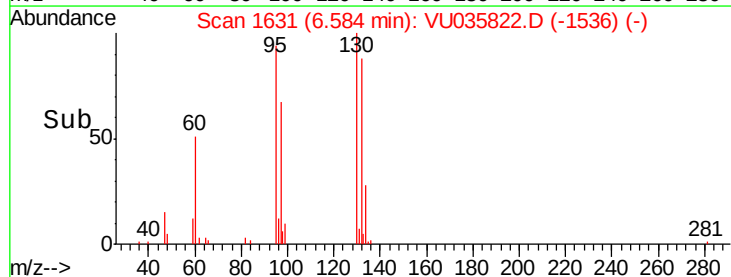
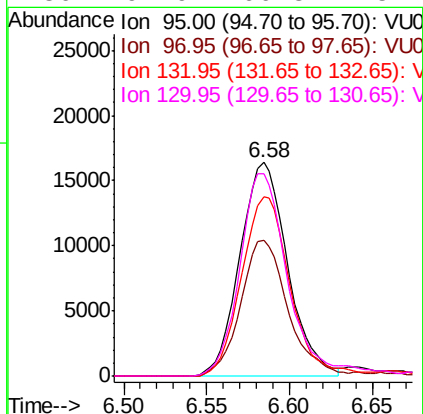
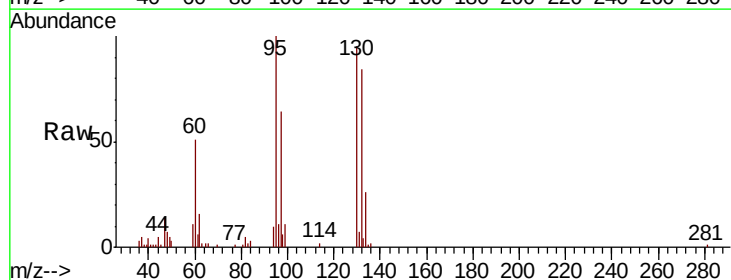
Instrument :
MSVOA_U
ClientSampleId :

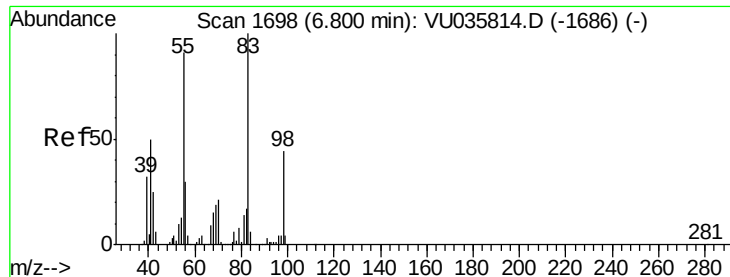
Tot Ion: 83 Resp: 18516
Ion Ratio Lower Upper
83 100
85 71.6 44.6 82.8



#34
Trichloroethene
Concen: 1.215 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VU035822.D
Acq: 22 Nov 2019 14:45

Tgt Ion: 95 Resp: 32849
Ion Ratio Lower Upper
95 100
97 63.6 45.1 83.9
132 84.0 61.9 114.9
130 94.9 66.3 123.1

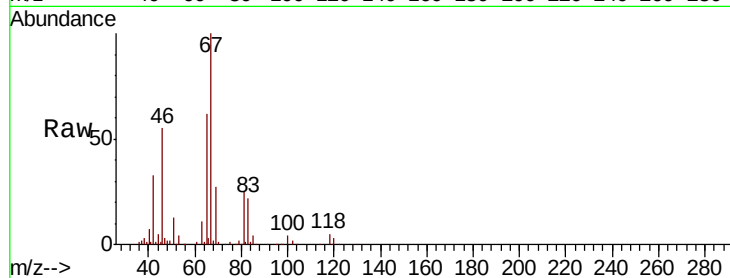




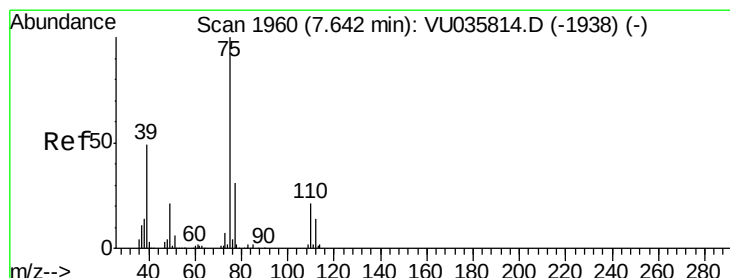
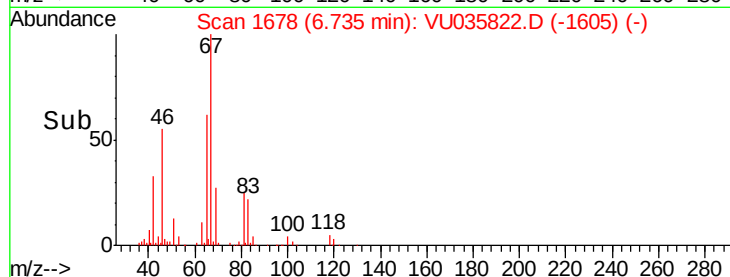
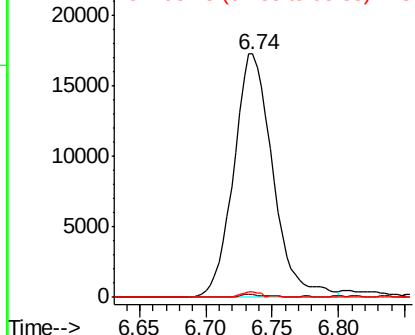
#35
Methylcyclohexane
Concen: 0.890 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035822.D
Acq: 22 Nov 2019 14:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 35318
Ion Ratio Lower Upper
83 100
55 0.5 72.7 109.1#
98 1.1 36.2 54.4#

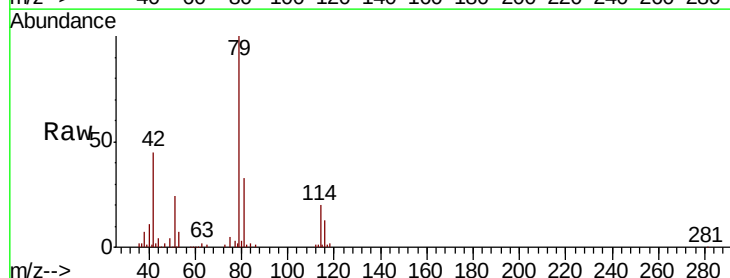


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

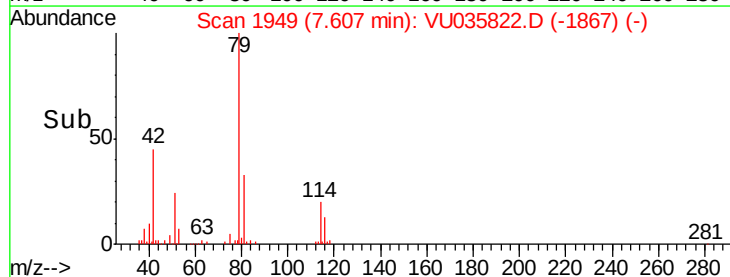
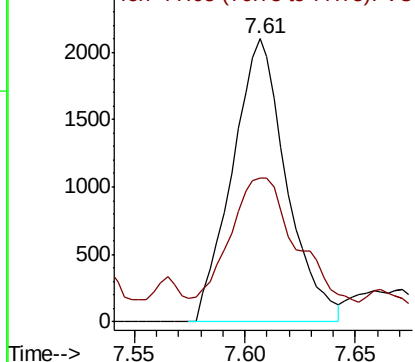


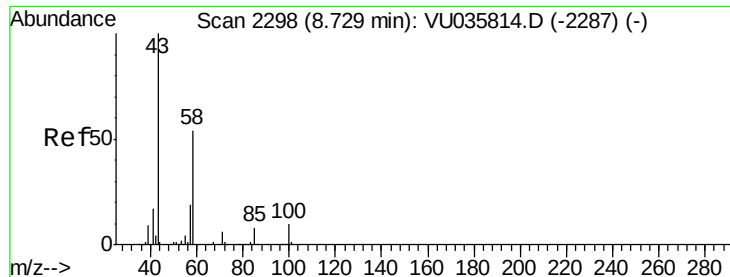
#39
cis-1,3-Dichloropropene
Concen: 0.088 ug/L
RT: 7.61 min Scan# 1949
Delta R.T. -0.04 min
Lab File: VU035822.D
Acq: 22 Nov 2019 14:45

Tgt Ion: 75 Resp: 3577
Ion Ratio Lower Upper
75 100
77 51.0 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0

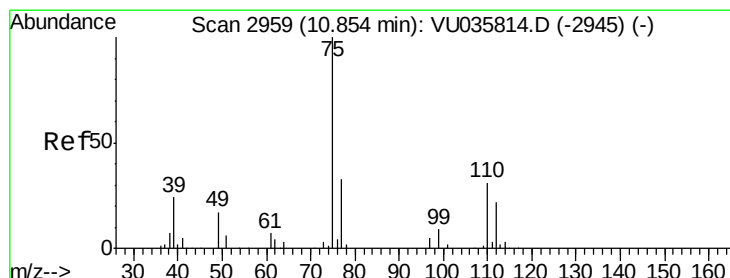
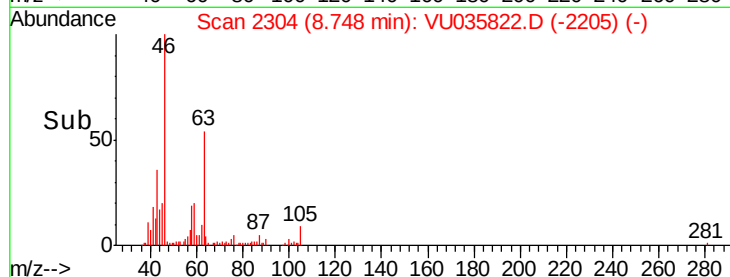
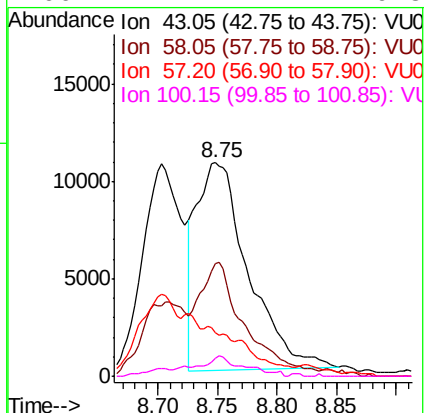
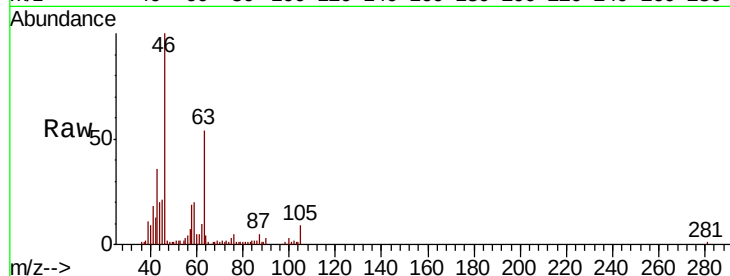




#48
2-Hexanone
Concen: 2.267 ug/L
RT: 8.75 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VU035822.D
Acq: 22 Nov 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 32034
Ion Ratio Lower Upper
43 100
58 49.1 39.8 59.8
57 0.0 14.0 21.0#
100 7.2 7.2 10.8



#59
1,2,3-Trichloropropane
Concen: 0.510 ug/L
RT: 11.84 min Scan# 3267
Delta R.T. 0.99 min
Lab File: VU035822.D
Acq: 22 Nov 2019 14:45

Tgt Ion: 75 Resp: 10371
Ion Ratio Lower Upper
75 100
77 36.1 25.4 38.2

