

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112219\
 Data File : VU035820.D
 Acq On : 22 Nov 2019 13:56
 Operator : JC/SP
 Sample : K5930-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:17:28 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	240568	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	282657	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	81977	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	124412	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.93	69	116739	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.60	63	210021	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.69	46	346051	47.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.16%
24) Chloroform-d	5.12	84	212171	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
26) 1,2-Dichloroethane-d4	5.75	65	137079	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.78	84	430990	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.74	67	154961	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	7.94	98	345093	3.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.40%#
43) trans-1,3-Dichloropropene-	8.22	79	53754	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.70	63	211401	37.20	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.40%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	121094	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	77622	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

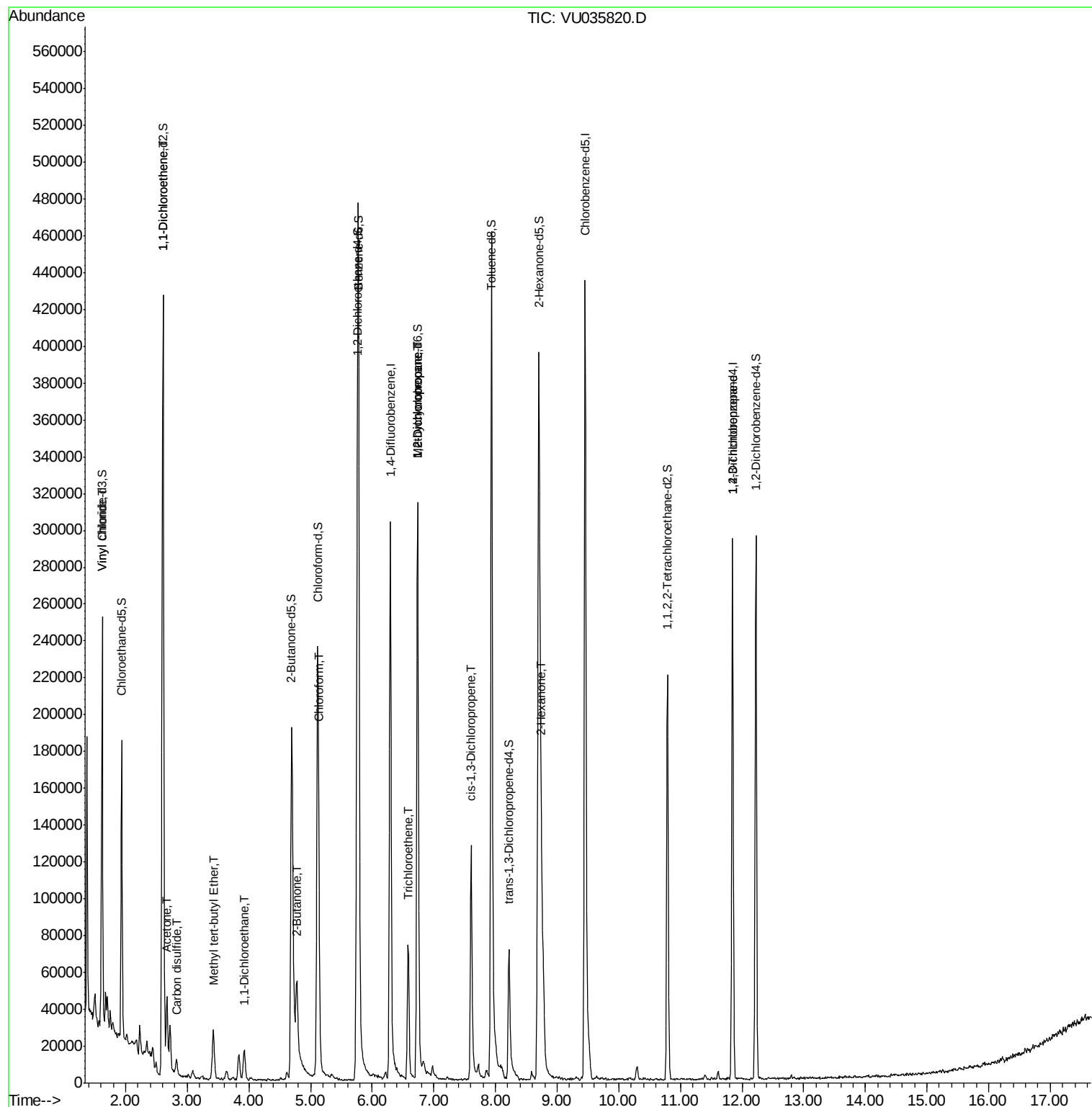
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	11597	0.289	ug/L #	1
12) 1,1-Dichloroethene	2.61	96	91143	3.641	ug/L	90
13) Acetone	2.67	43	44632	6.987	ug/L	92
14) Carbon disulfide	2.83	76	9682	0.116	ug/L	100
17) Methyl tert-butyl Ether	3.42	73	25277	0.417	ug/L #	91
19) 1,1-Dichloroethane	3.93	63	19160	0.346	ug/L	100
21) 2-Butanone	4.78	43	68264	8.446	ug/L	94
25) Chloroform	5.14	83	24486	0.454	ug/L	94
34) Trichloroethene	6.58	95	26064	0.901	ug/L	95
35) Methylcyclohexane	6.74	83	33824	0.797	ug/L #	14
37) 1,2-Dichloropropane	6.74	63	16900	0.505	ug/L #	90
39) cis-1,3-Dichloropropene	7.61	75	3495	0.081	ug/L #	43
48) 2-Hexanone	8.75	43	32307	2.136	ug/L #	74
59) 1,2,3-Trichloropropane	11.84	75	11985	0.551	ug/L	90

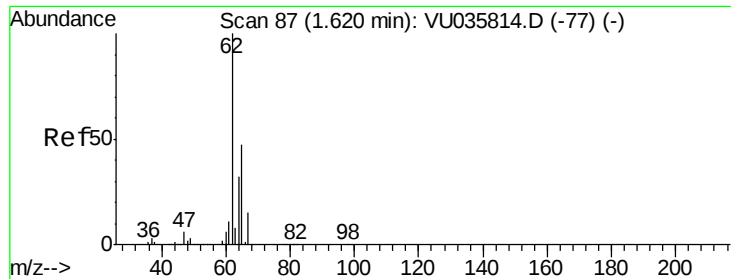
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.289 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035820.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_U

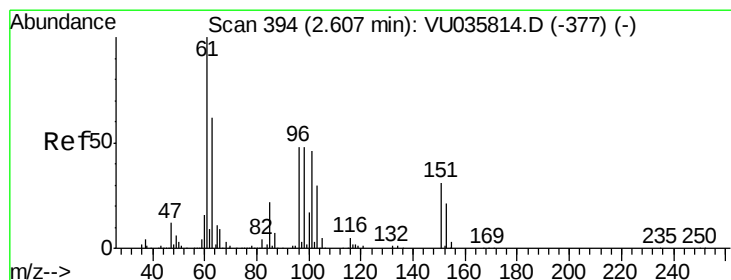
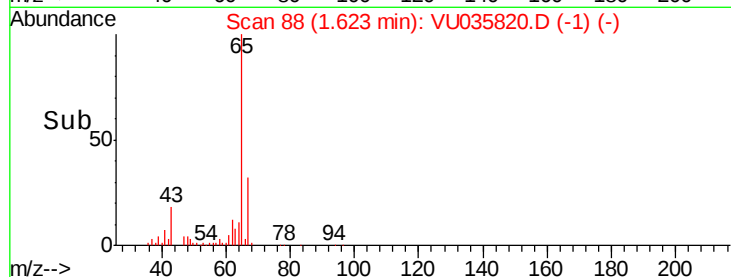
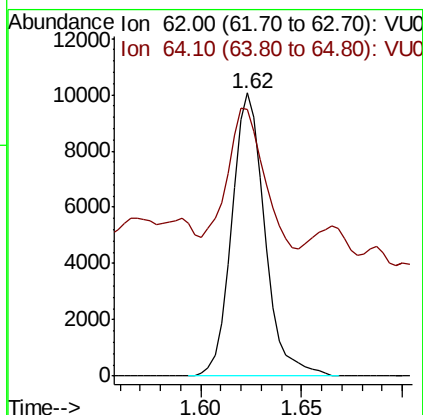
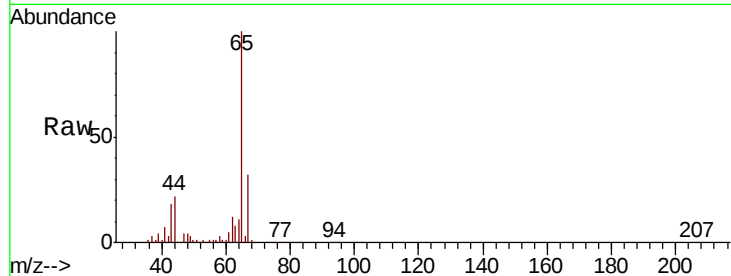
ClientSampleId :

Tot Ion: 62 Resp: 11597

Ion Ratio Lower Upper

62 100

64 94.3 22.5 41.9#



#12

1,1-Dichloroethene

Concen: 3.641 ug/L

RT: 2.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: VU035820.D

Acq: 22 Nov 2019 13:56

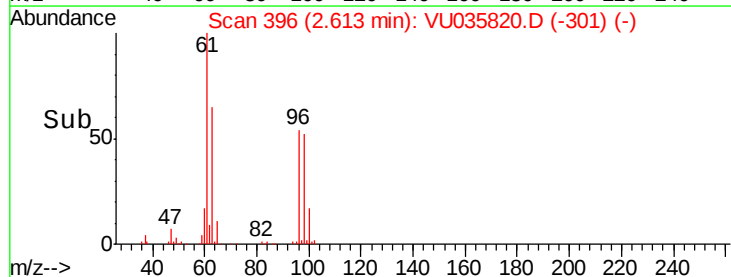
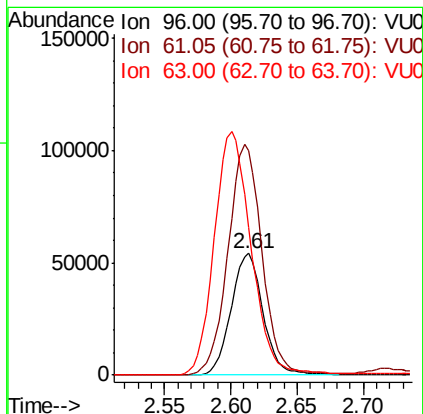
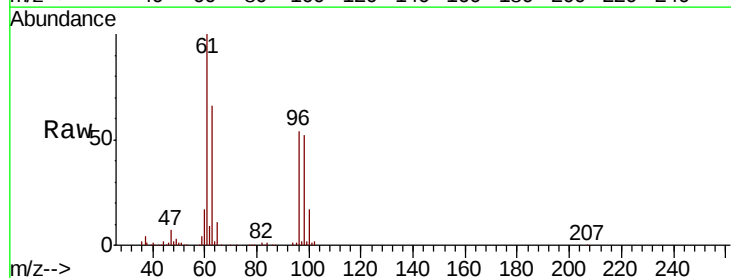
Tgt Ion: 96 Resp: 91143

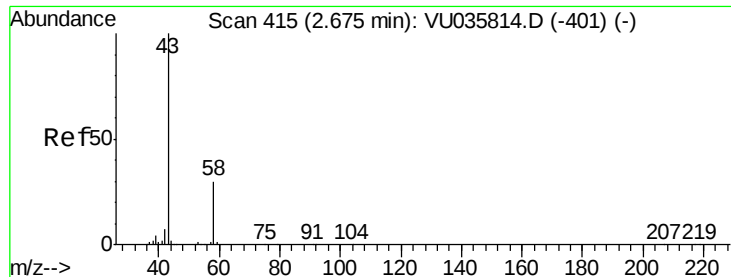
Ion Ratio Lower Upper

96 100

61 184.5 139.3 258.7

63 121.4 93.7 174.1





#13

Acetone

Concen: 6.987 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035820.D

Acq: 22 Nov 2019 13:56

Instrument :

MSVOA_U

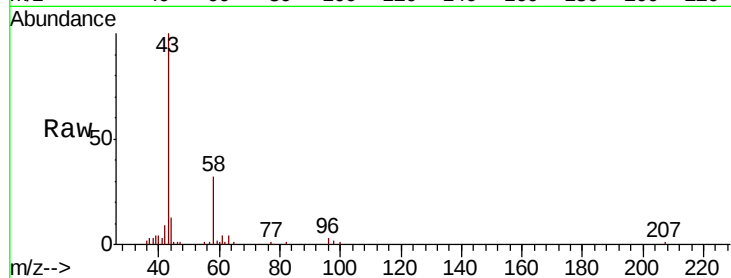
ClientSampled :

Tot Ion: 43 Resp: 44632

Ion Ratio Lower Upper

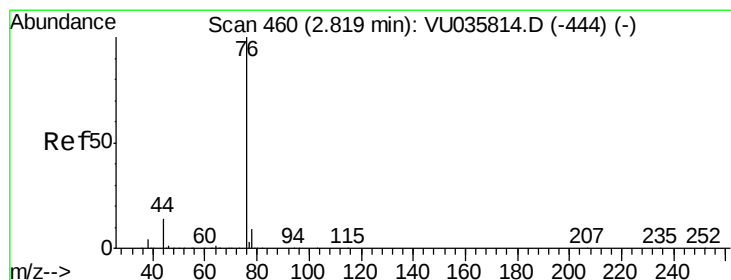
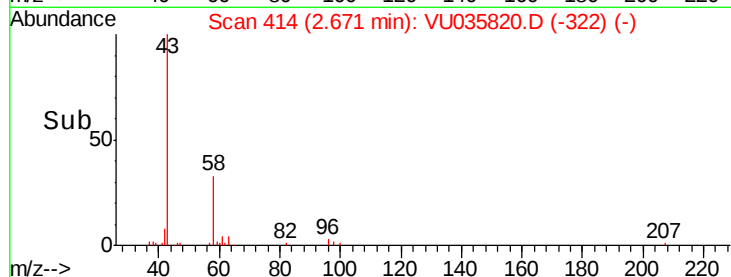
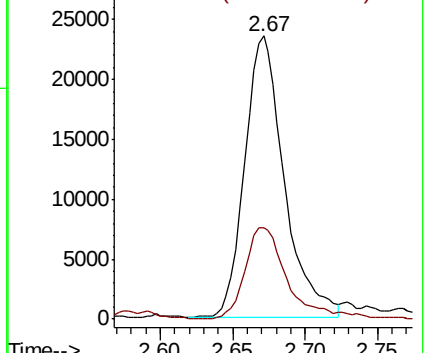
43 100

58 35.1 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: 0.116 ug/L

RT: 2.83 min Scan# 463

Delta R.T. 0.01 min

Lab File: VU035820.D

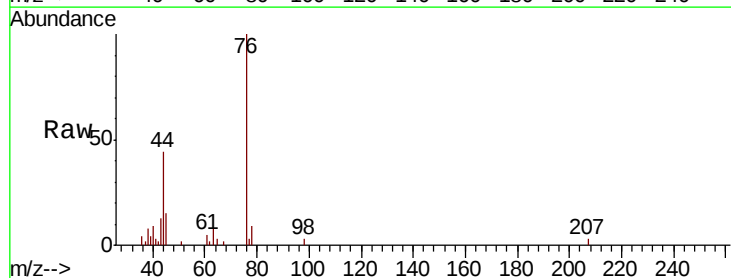
Acq: 22 Nov 2019 13:56

Tgt Ion: 76 Resp: 9682

Ion Ratio Lower Upper

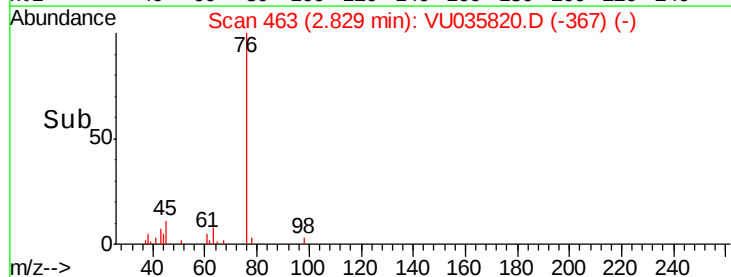
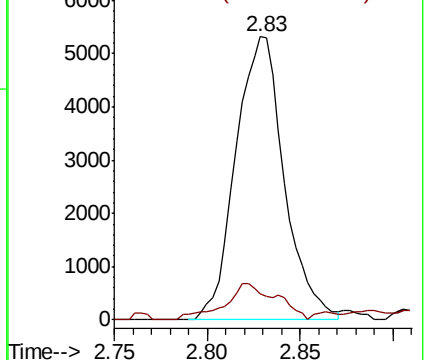
76 100

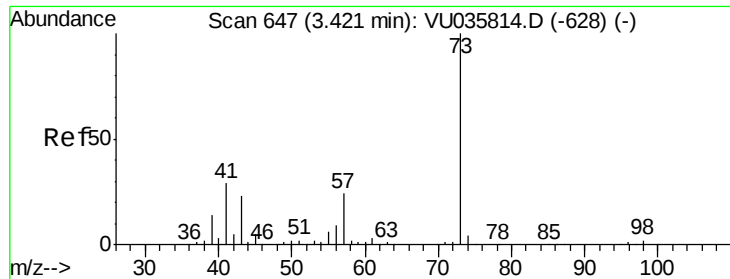
78 9.2 7.3 10.9



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

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

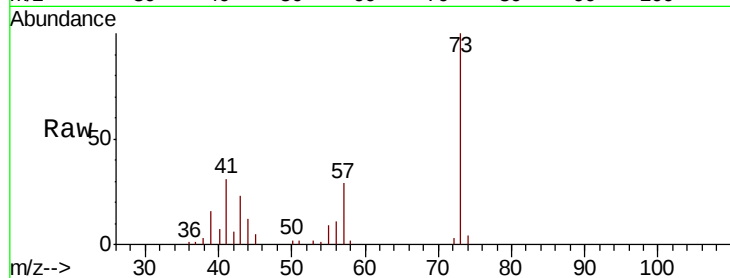




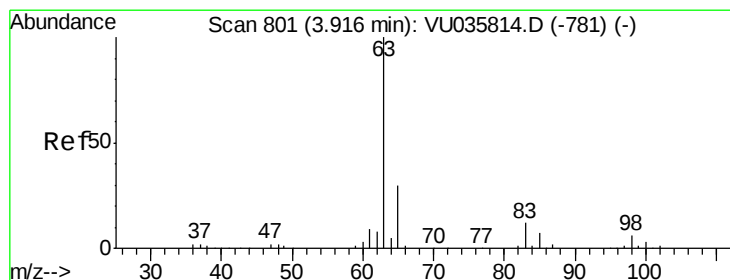
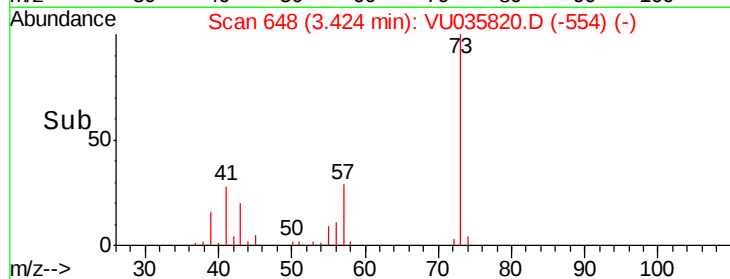
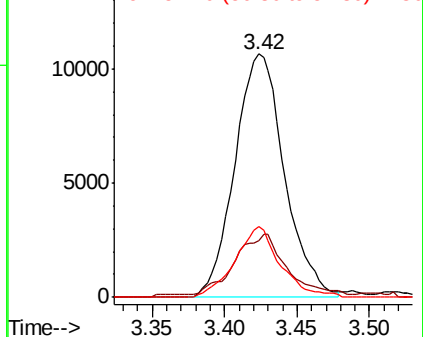
#17
Methvl tert-butvl Ether
Concen: 0.417 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.00 min
Lab File: VU035820.D
Acq: 22 Nov 2019 13:56

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 25277
Ion Ratio Lower Upper
73 100
43 28.4 17.4 26.2#
57 26.5 19.4 29.0

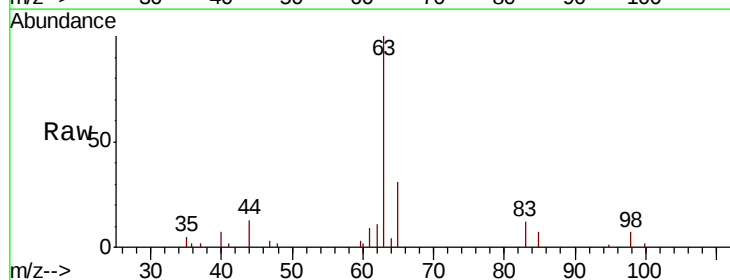


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

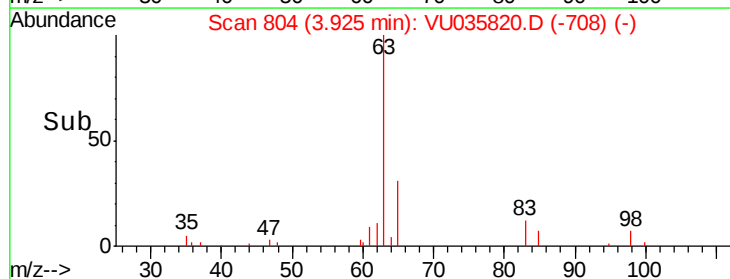
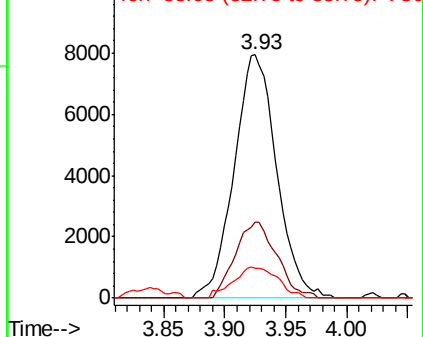


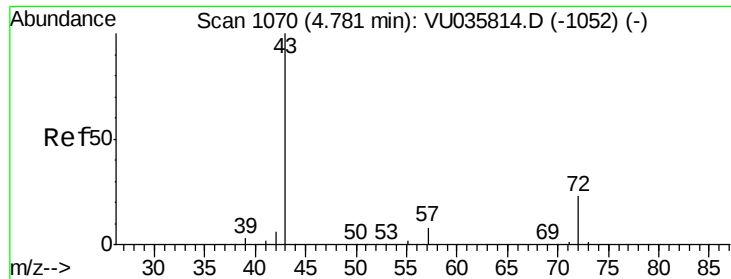
#19
1,1-Dichloroethane
Concen: 0.346 ug/L
RT: 3.93 min Scan# 804
Delta R.T. 0.01 min
Lab File: VU035820.D
Acq: 22 Nov 2019 13:56

Tgt Ion: 63 Resp: 19160
Ion Ratio Lower Upper
63 100
65 31.0 21.8 40.4
83 12.0 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: 8.446 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VU035820.D

Acq: 22 Nov 2019 13:56

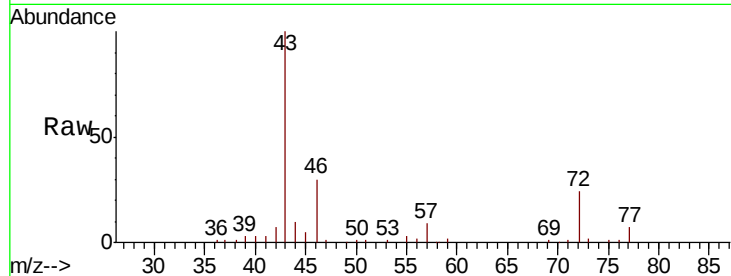
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 68264

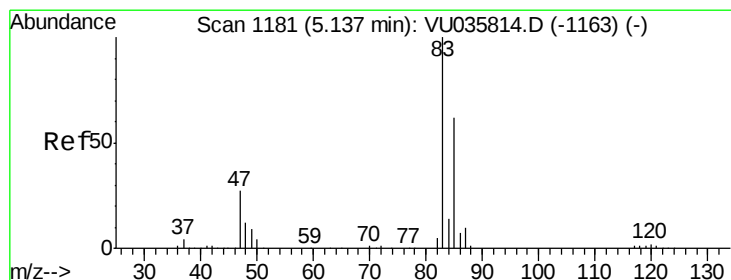
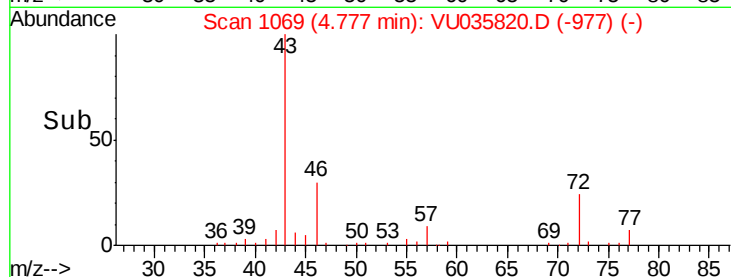
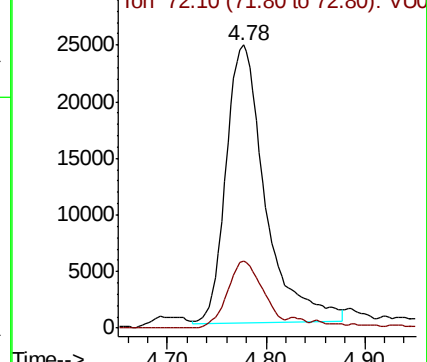
Ion Ratio Lower Upper

43 100

72 21.8 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035814.D (-1052) (-)



#25

Chloroform

Concen: 0.454 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035820.D

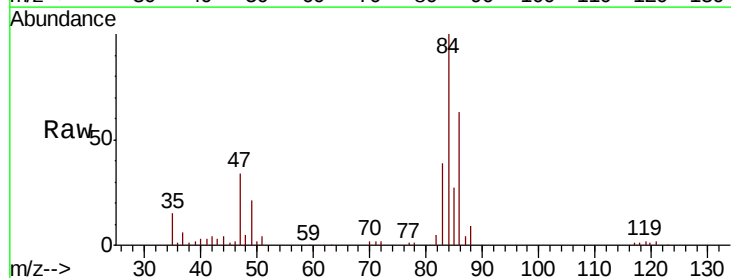
Acq: 22 Nov 2019 13:56

Tgt Ion: 83 Resp: 24486

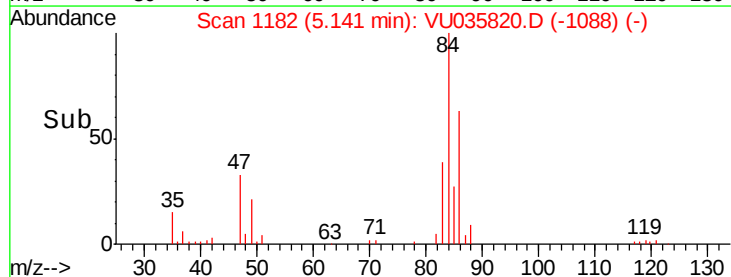
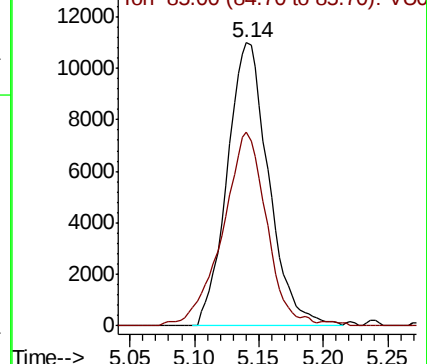
Ion Ratio Lower Upper

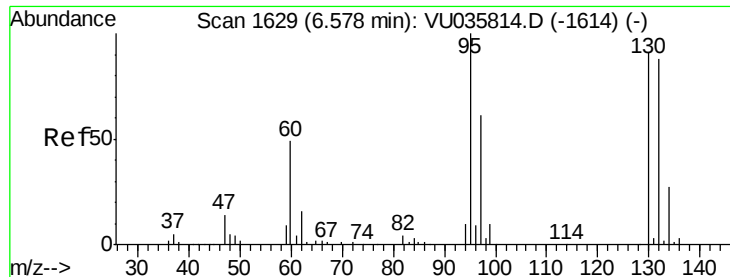
83 100

85 68.7 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035814.D (-1163) (-)

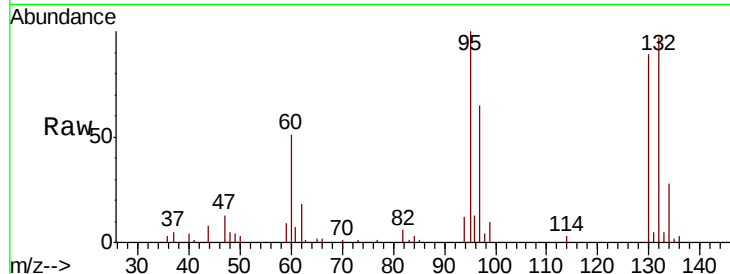




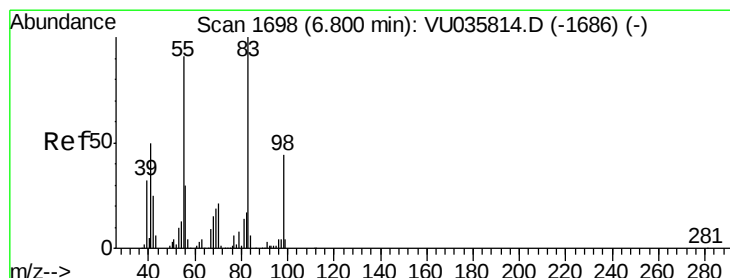
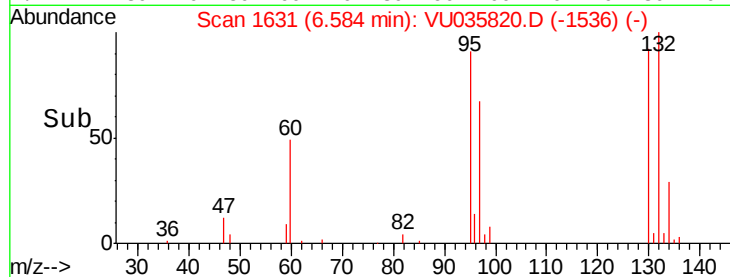
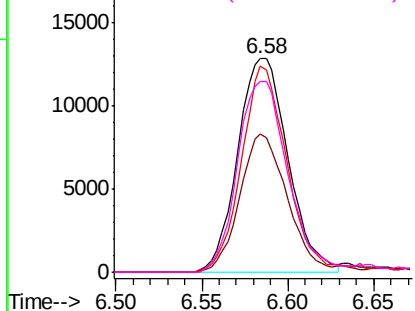
#34
 Trichloroethene
 Concen: 0.901 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: VU035820.D
 Acq: 22 Nov 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	26064
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.1	83.9
132	96.6	61.9	114.9
130	89.0	66.3	123.1

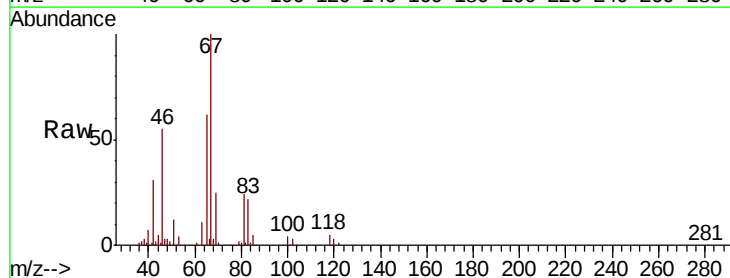


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

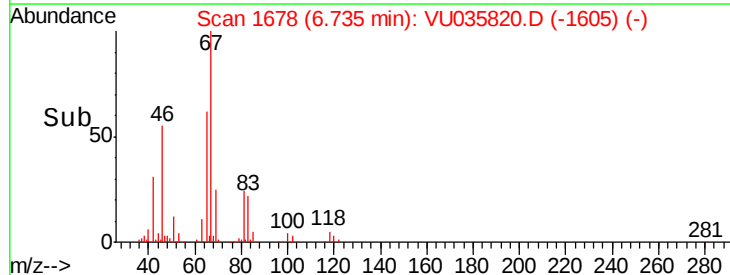
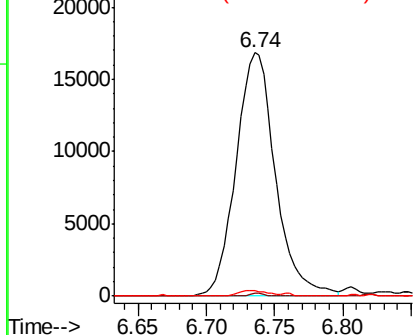


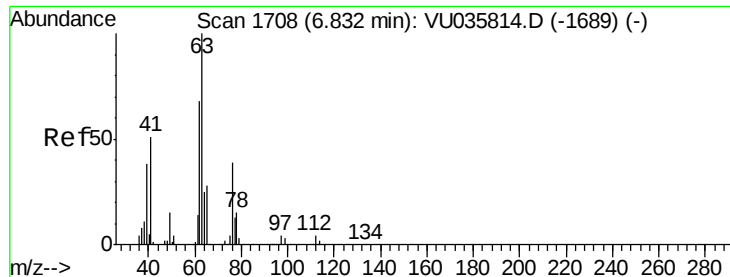
#35
 Methylcyclohexane
 Concen: 0.797 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.06 min
 Lab File: VU035820.D
 Acq: 22 Nov 2019 13:56

Tgt Ion:	83	Resp:	33824
Ion	Ratio	Lower	Upper
83	100		
55	0.3	72.7	109.1#
98	2.0	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

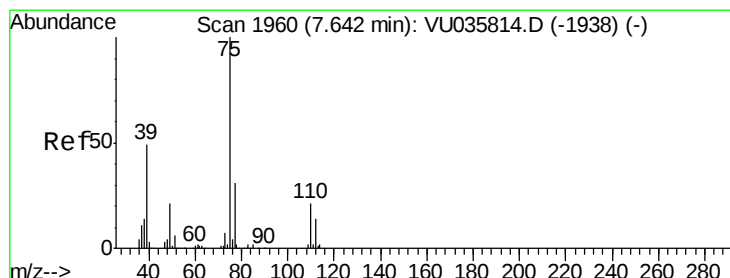
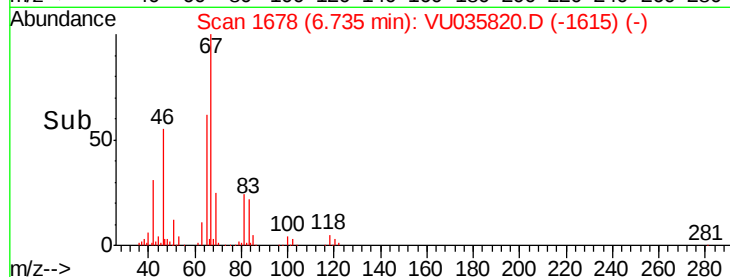
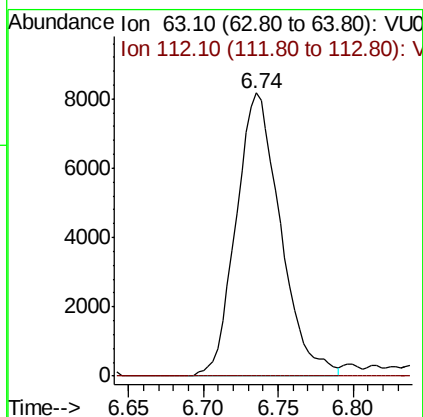
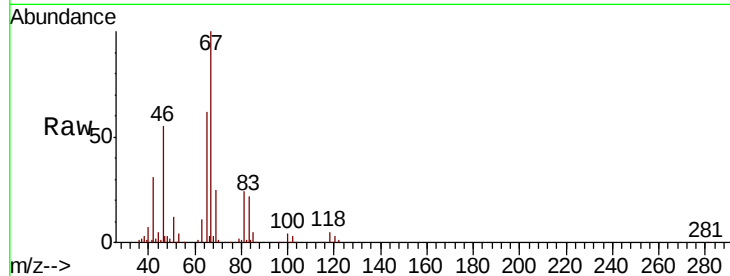




#37
 1,2-Dichloropropane
 Concen: 0.505 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035820.D
 Acq: 22 Nov 2019 13:56

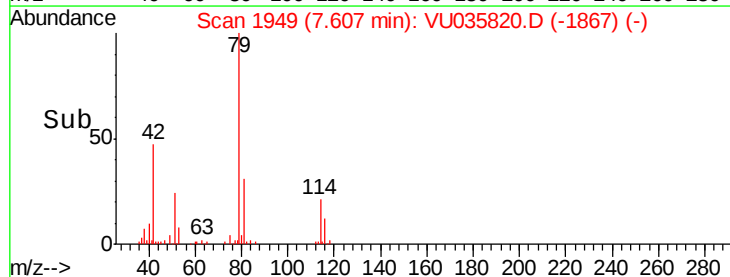
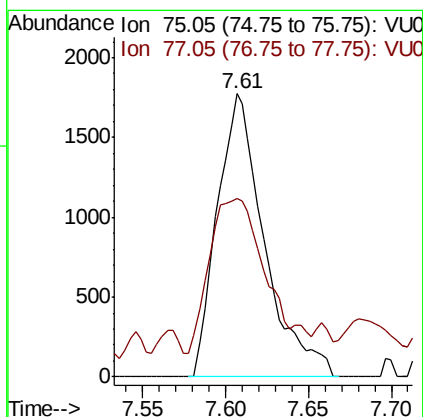
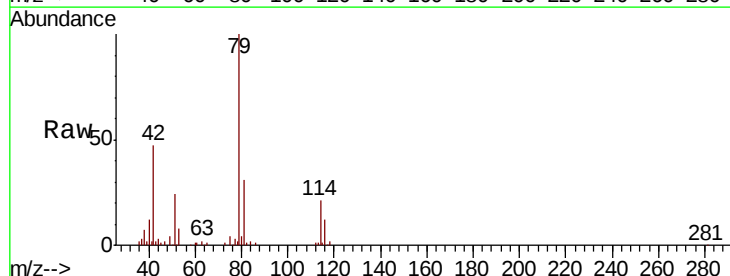
Instrument :
 MSVOA_U
 ClientSampleId :

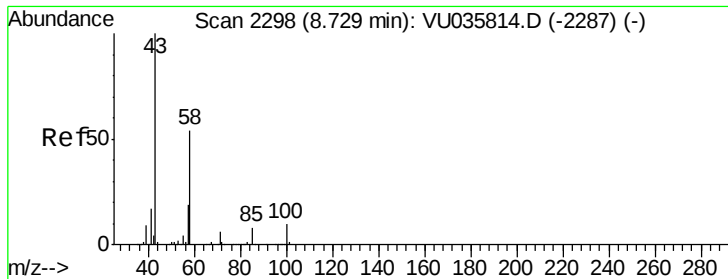
Tot Ion: 63 Resp: 16900
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU035820.D
 Acq: 22 Nov 2019 13:56

Tgt Ion: 75 Resp: 3495
 Ion Ratio Lower Upper
 75 100
 77 63.0 22.1 41.1#

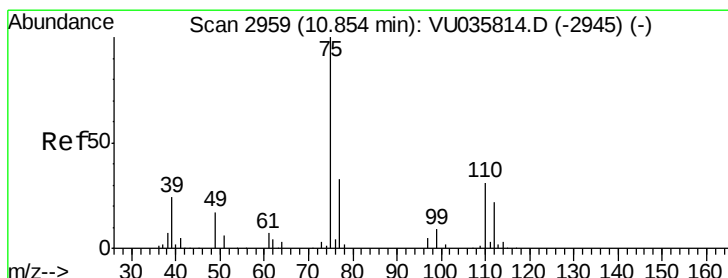
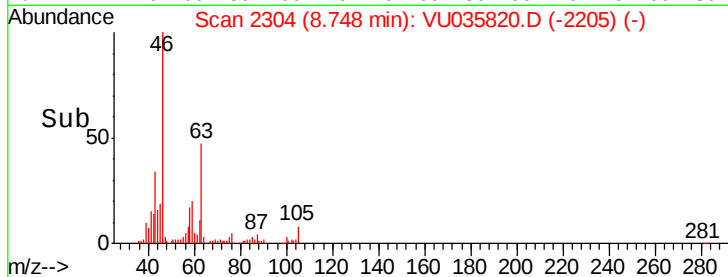
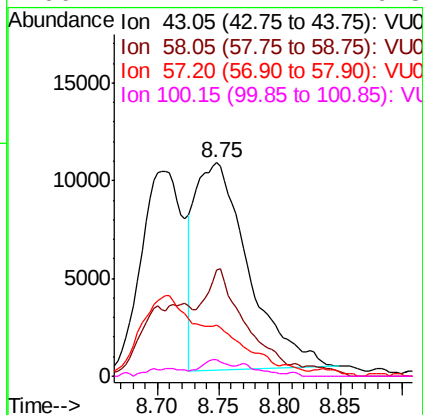
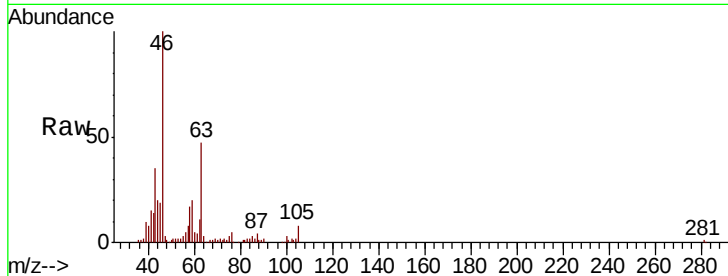




#48
2-Hexanone
Concen: 2.136 ug/L
RT: 8.75 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VU035820.D
Acq: 22 Nov 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 32307
Ion Ratio Lower Upper
43 100
58 33.8 39.8 59.8#
57 0.0 14.0 21.0#
100 4.4 7.2 10.8#



#59
1,2,3-Trichloropropane
Concen: 0.551 ug/L
RT: 11.84 min Scan# 3267
Delta R.T. 0.99 min
Lab File: VU035820.D
Acq: 22 Nov 2019 13:56

Tgt Ion: 75 Resp: 11985
Ion Ratio Lower Upper
75 100
77 37.2 25.4 38.2

