

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101819\
 Data File : VU035281.D
 Acq On : 18 Oct 2019 21:07
 Operator : JC/SP
 Sample : K5419-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:43:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 03:38:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	339744	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	326059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	133724	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	93206	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.93	69	86202	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.59	63	129984	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.71	46	279777	47.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.00%
24) Chloroform-d	5.11	84	182829	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.75	65	102046	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.77	84	368211	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.74	67	119146	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.93	98	337300	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	8.22	79	48719	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.68	63	231390	45.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.34%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	102915	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	123437	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

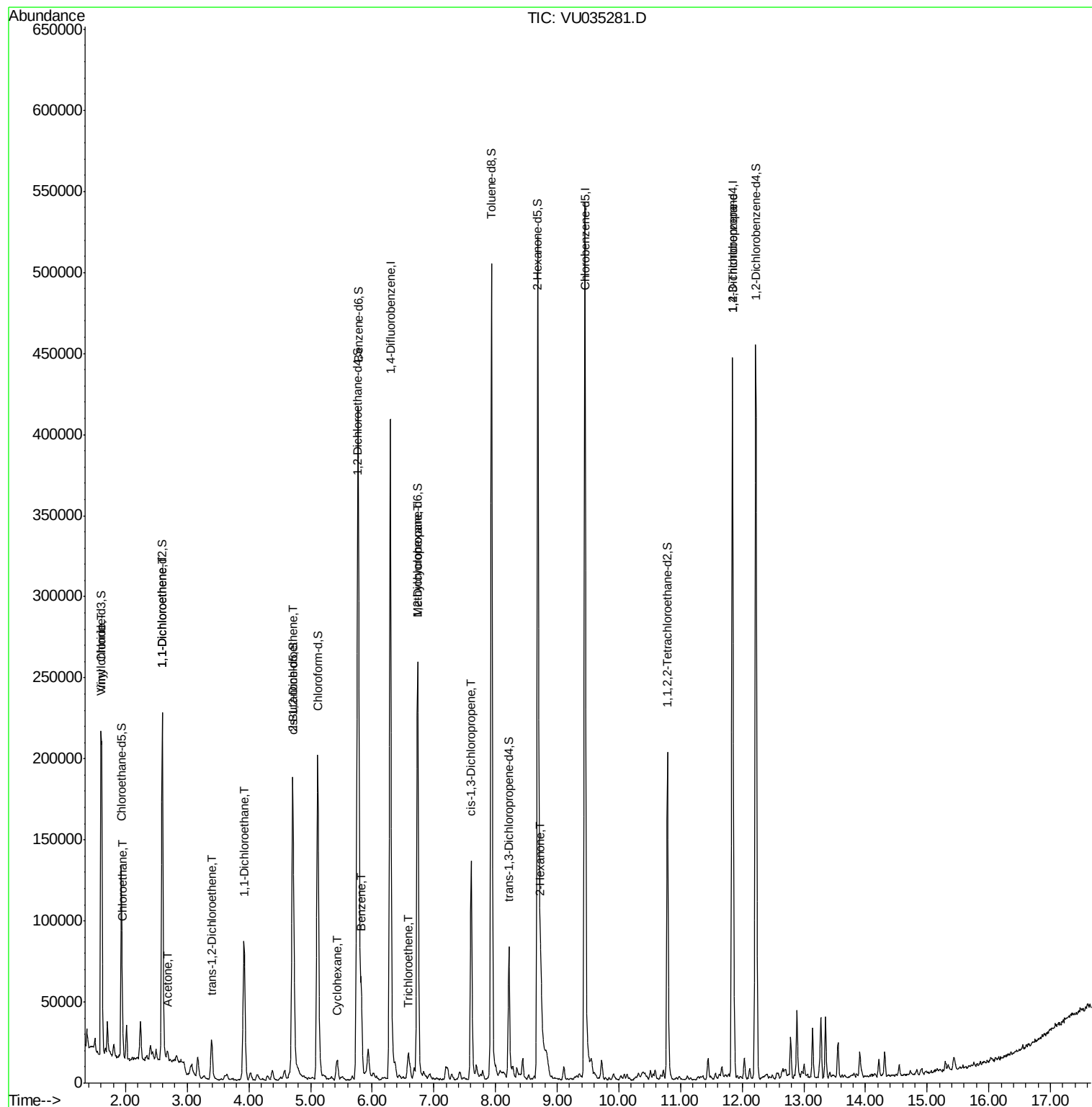
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	19045	0.647	ug/L	92
8) Chloroethane	1.95	64	5849	0.308	ug/L	97
12) 1,1-Dichloroethene	2.60	96	1566	0.072	ug/L #	1
13) Acetone	2.68	43	5874	1.418	ug/L	92
18) trans-1,2-Dichloroethene	3.39	96	7720	0.328	ug/L	88
19) 1,1-Dichloroethane	3.92	63	98278	2.307	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	7763	0.298	ug/L	94
30) Cyclohexane	5.43	56	6356	0.155	ug/L	88
33) Benzene	5.82	78	55212	0.576	ug/L	100
34) Trichloroethene	6.58	95	4009	0.155	ug/L	97
35) Methylcyclohexane	6.74	83	28954	0.672	ug/L #	19
39) cis-1,3-Dichloropropene	7.60	75	3273	0.080	ug/L #	14
48) 2-Hexanone	8.74	43	13636	1.183	ug/L #	96
59) 1,2,3-Trichloropropane	11.84	75	16358	0.964	ug/L #	86

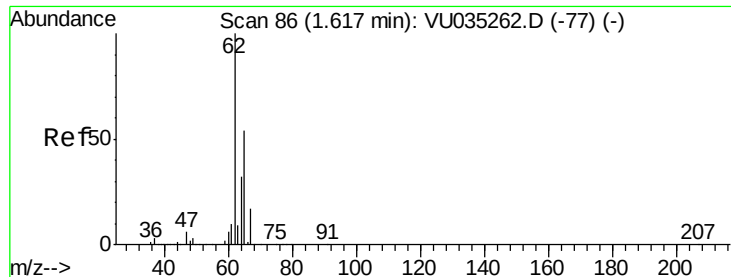
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 03:38:09 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.647 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035281.D

Acq: 18 Oct 2019 21:07

Instrument :

MSVOA_U

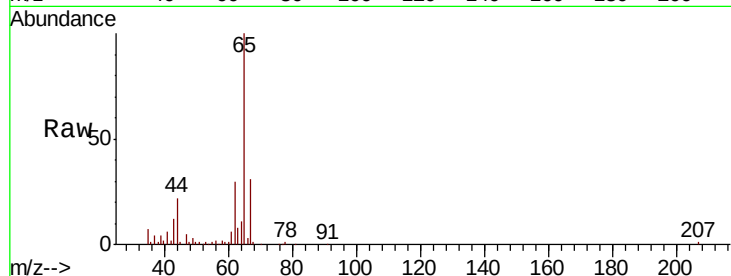
ClientSampleId :

Tot Ion: 62 Resp: 19045

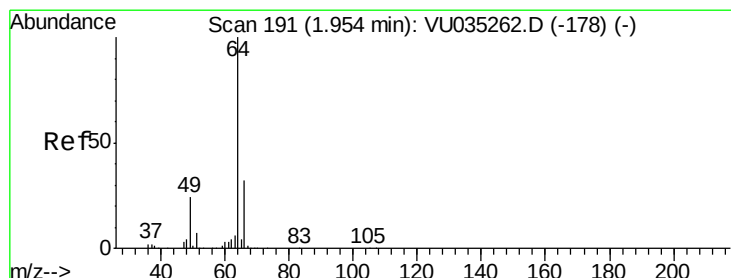
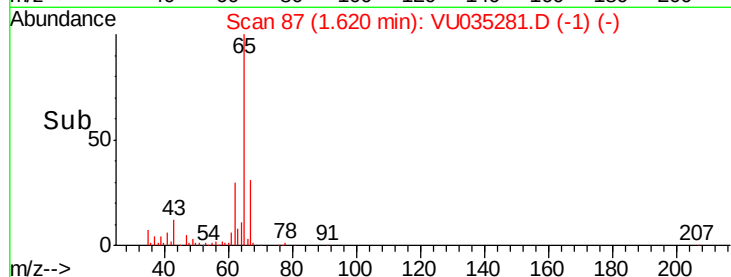
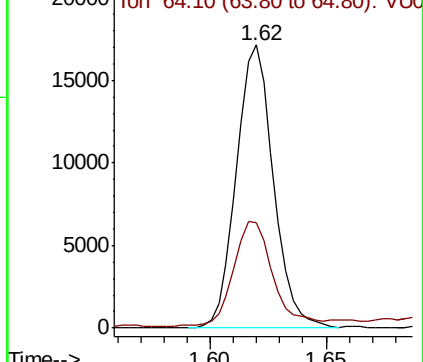
Ion Ratio Lower Upper

62 100

64 37.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035281.D (-1) (-)



#8

Chloroethane

Concen: 0.308 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035281.D

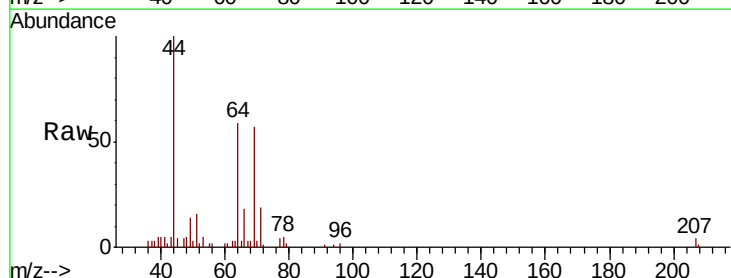
Acq: 18 Oct 2019 21:07

Tgt Ion: 64 Resp: 5849

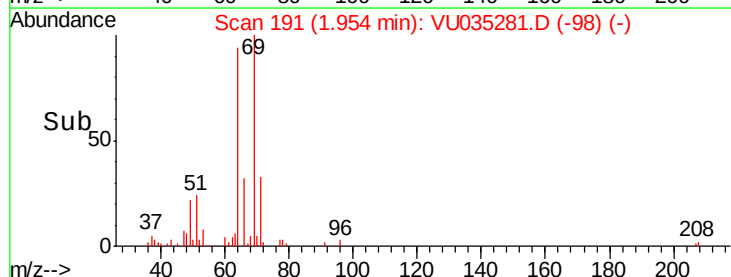
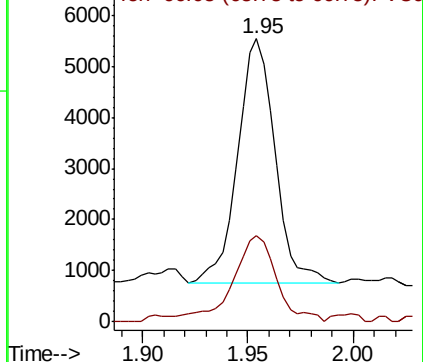
Ion Ratio Lower Upper

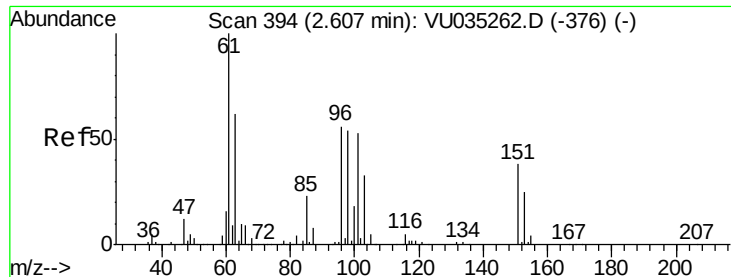
64 100

66 30.7 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU035281.D (-98) (-)

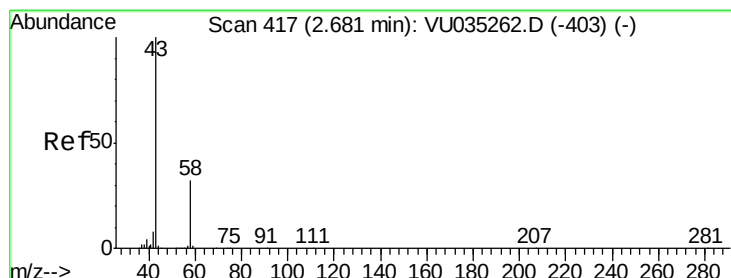
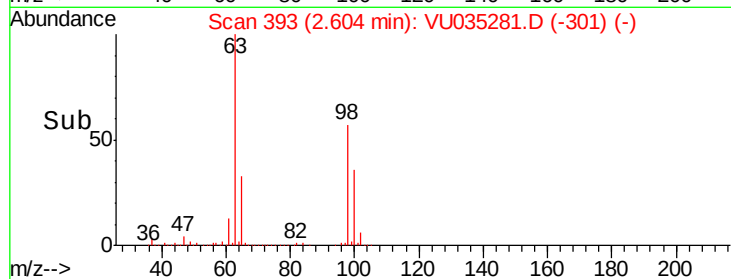
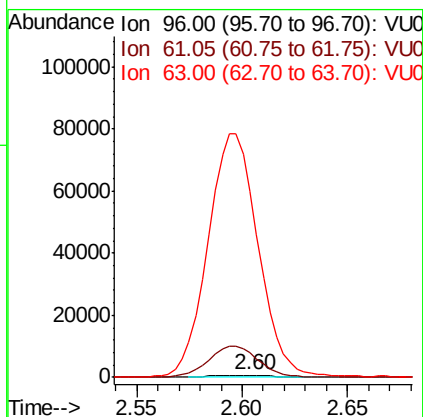
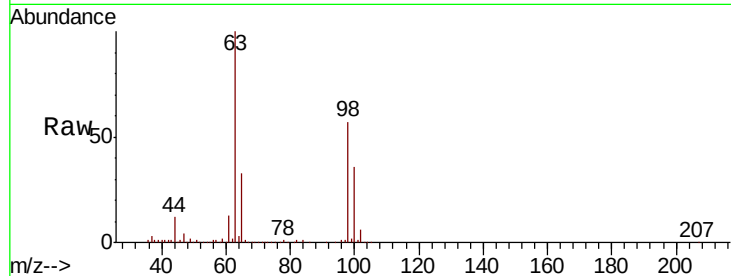




#12
 1,1-Dichloroethene
 Concen: 0.072 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU035281.D
 Acq: 18 Oct 2019 21:07

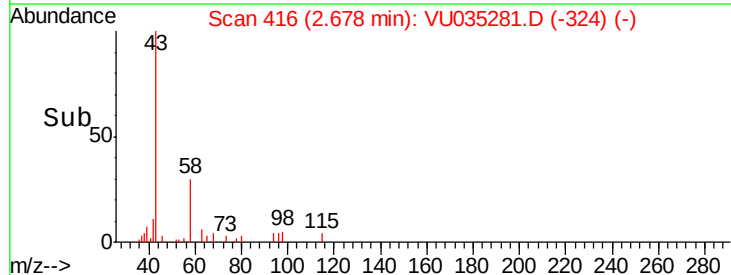
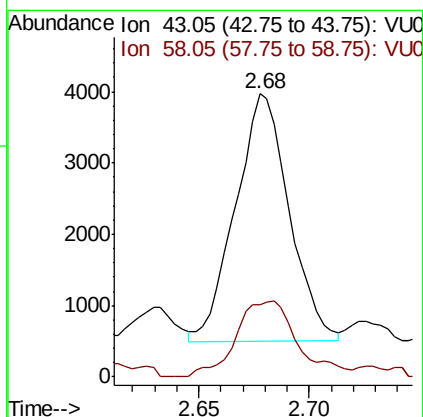
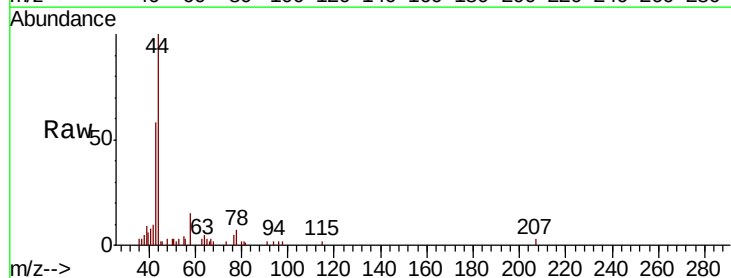
Instrument :
 MSVOA_U
 ClientSampled :

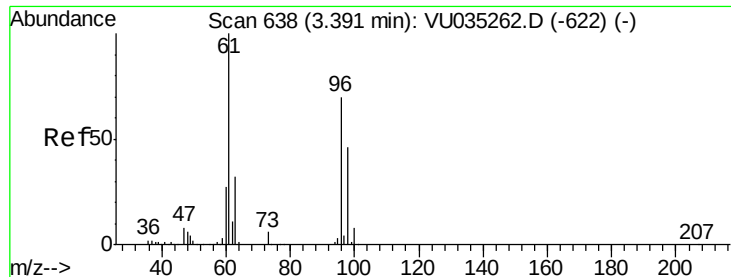
Tot Ion: 96 Resp: 1566
 Ion Ratio Lower Upper
 96 100
 61 1135.9 120.6 224.0#
 63 8634.0 86.8 161.2#



#13
 Acetone
 Concen: 1.418 ug/L
 RT: 2.68 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VU035281.D
 Acq: 18 Oct 2019 21:07

Tgt Ion: 43 Resp: 5874
 Ion Ratio Lower Upper
 43 100
 58 35.3 0.0 61.8





#18

trans-1,2-Dichloroethene

Concen: 0.328 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035281.D

Acq: 18 Oct 2019 21:07

Instrument :

MSVOA_U

ClientSampleId :

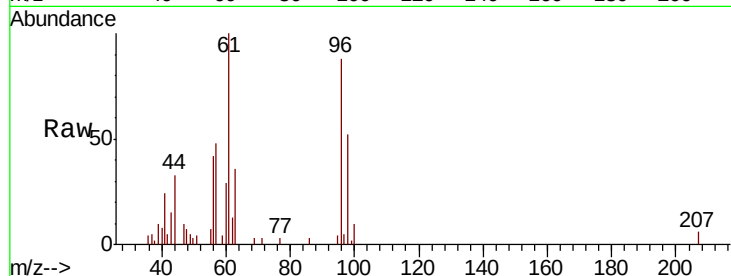
Tot Ion: 96 Resp: 7720

Ion Ratio Lower Upper

96 100

61 114.3 93.0 172.6

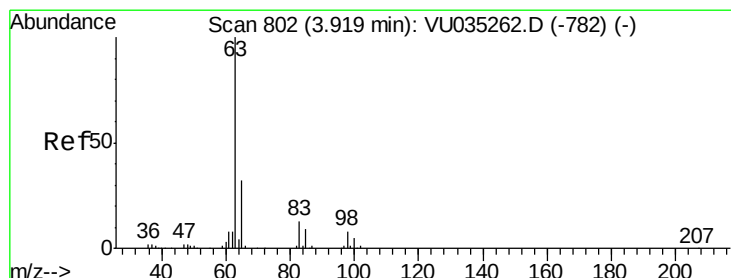
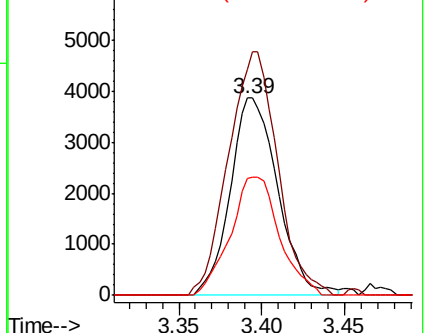
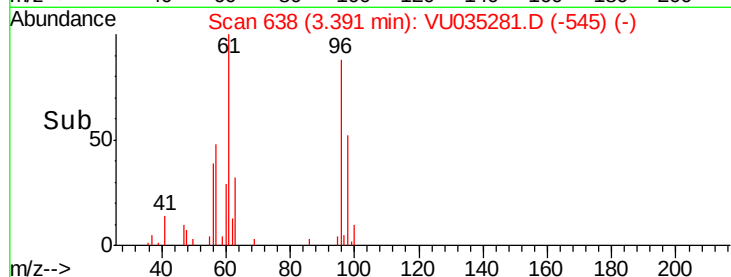
98 59.1 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035281.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035281.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035281.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 2.307 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035281.D

Acq: 18 Oct 2019 21:07

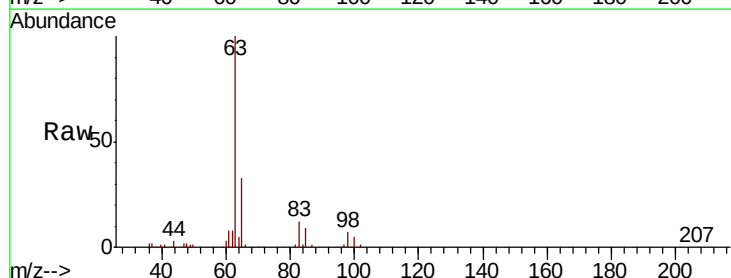
Tgt Ion: 63 Resp: 98278

Ion Ratio Lower Upper

63 100

65 33.3 22.4 41.6

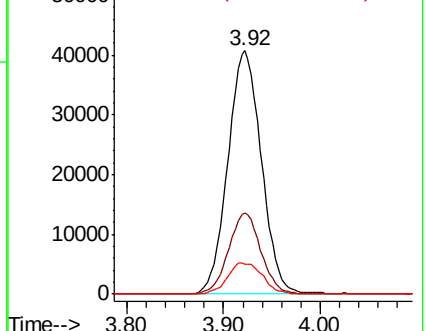
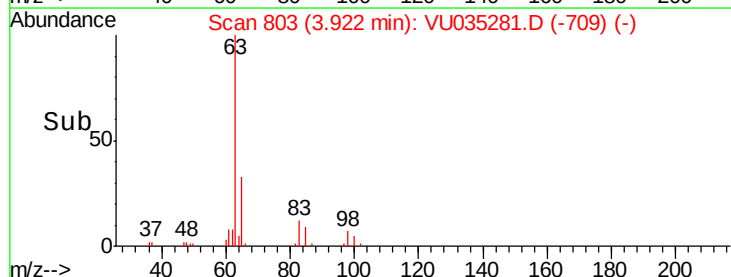
83 12.5 9.3 17.3

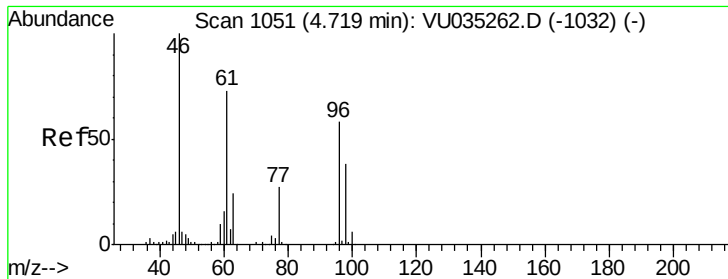


Abundance Ion 63.10 (62.80 to 63.80): VU035281.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035281.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035281.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.298 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035281.D

Acq: 18 Oct 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :

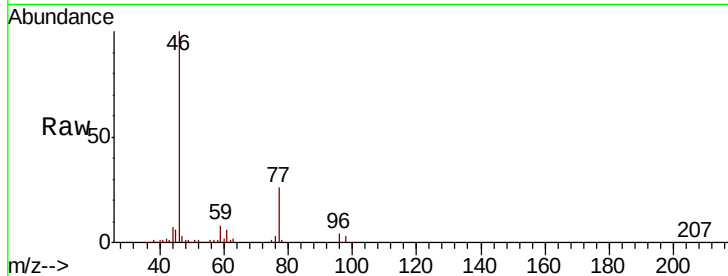
Tot Ion: 96 Resp: 7763

Ion Ratio Lower Upper

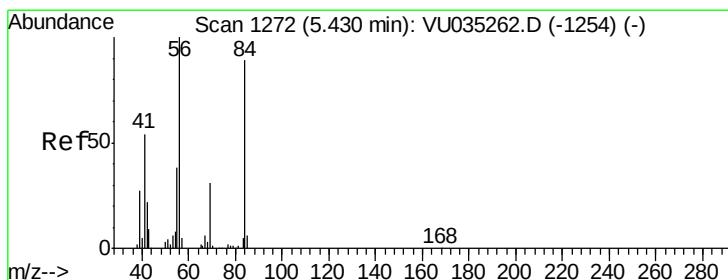
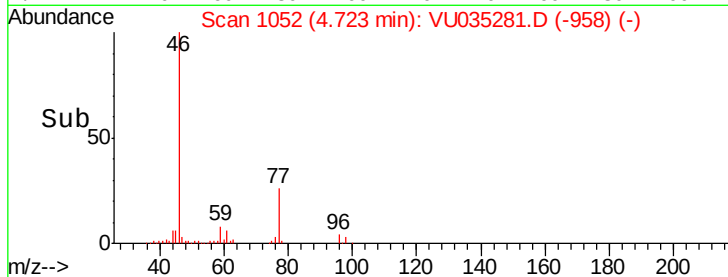
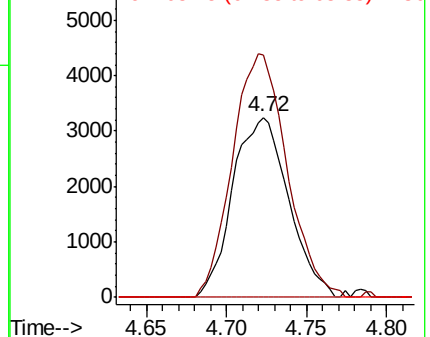
96 100

61 134.8 89.7 166.5

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



#30

Cyclohexane

Concen: 0.155 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VU035281.D

Acq: 18 Oct 2019 21:07

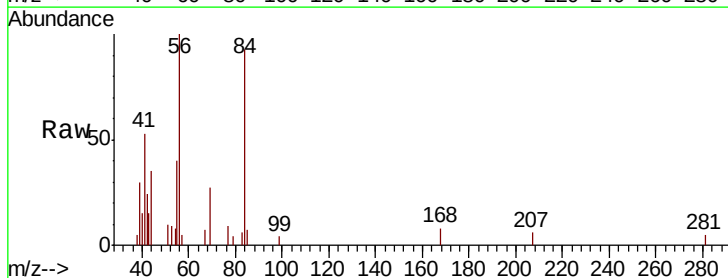
Tgt Ion: 56 Resp: 6356

Ion Ratio Lower Upper

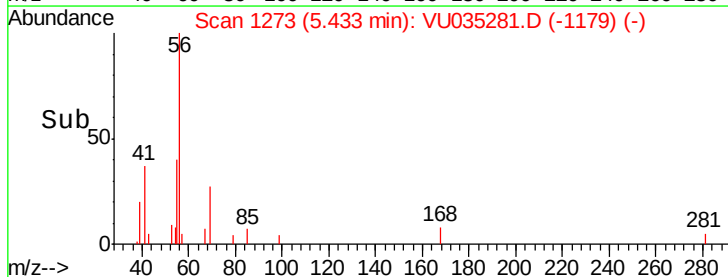
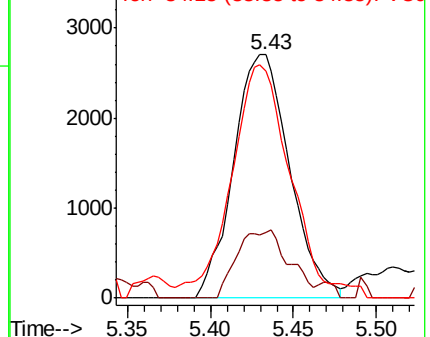
56 100

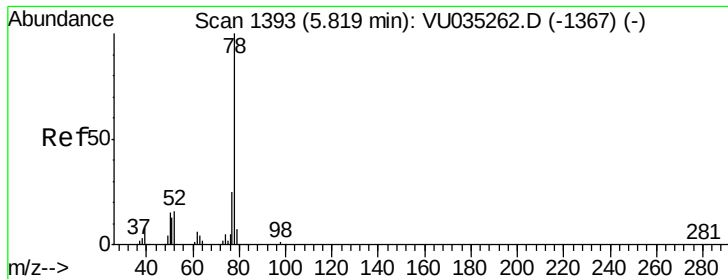
69 25.7 24.6 36.8

84 101.2 71.5 107.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 0.576 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035281.D

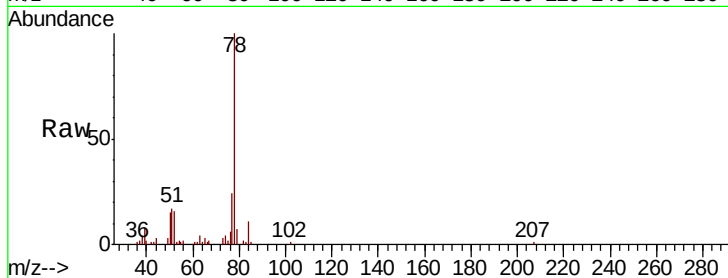
Acq: 18 Oct 2019 21:07

Instrument :

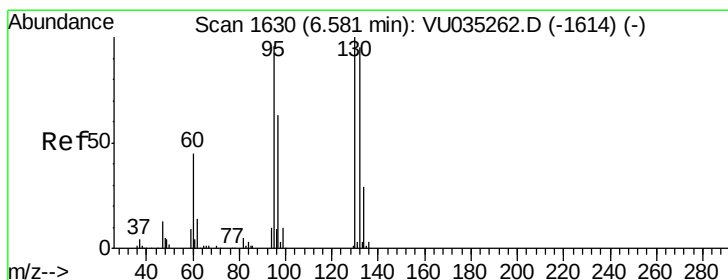
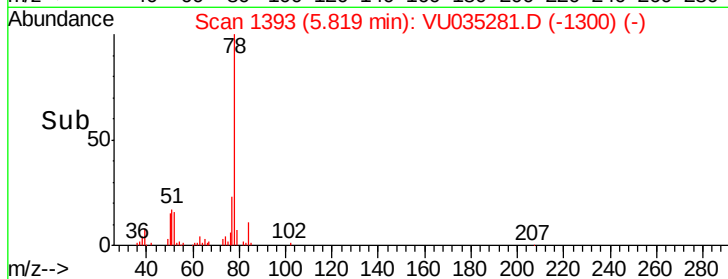
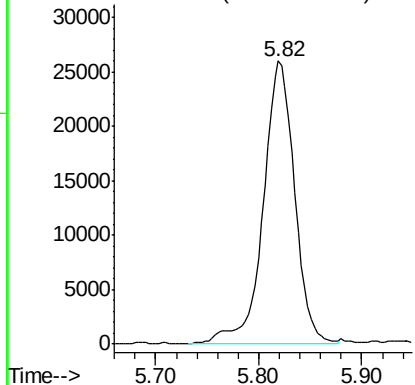
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 55212



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.155 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035281.D

Acq: 18 Oct 2019 21:07

Tgt Ion: 95 Resp: 4009

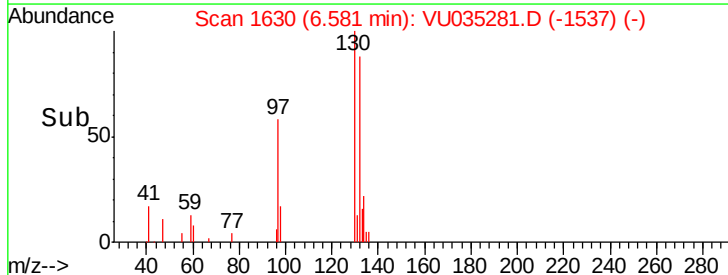
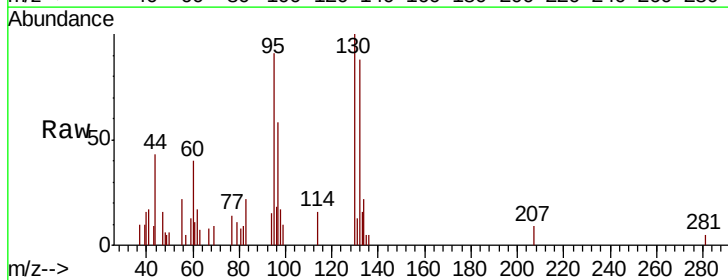
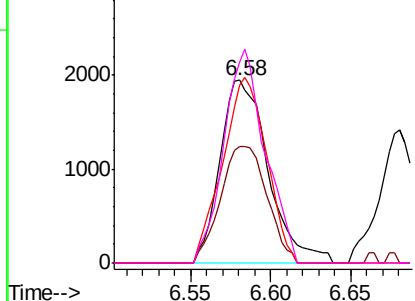
Ion	Ratio	Lower	Upper
95	100		
97	64.1	46.6	86.6
132	97.5	68.7	127.7
130	110.3	73.9	137.3

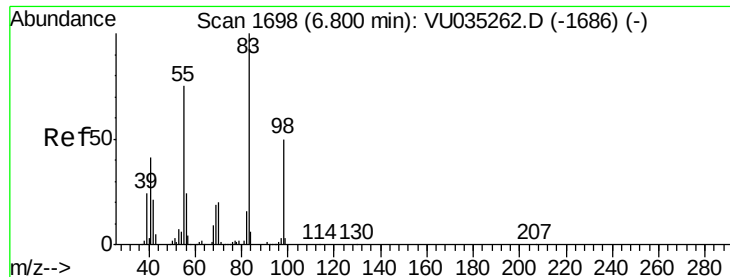
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

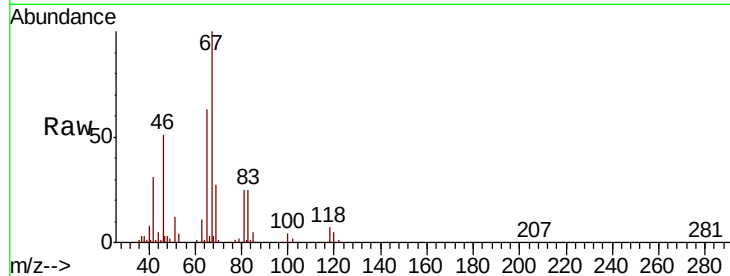




#35
Methylcyclohexane
Concen: 0.672 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035281.D
Acq: 18 Oct 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :

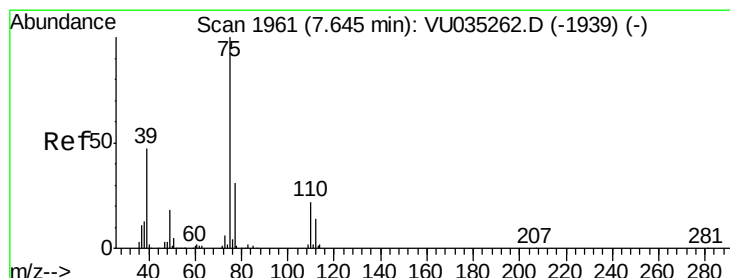
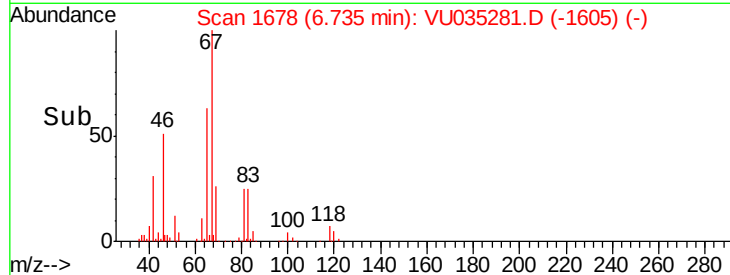
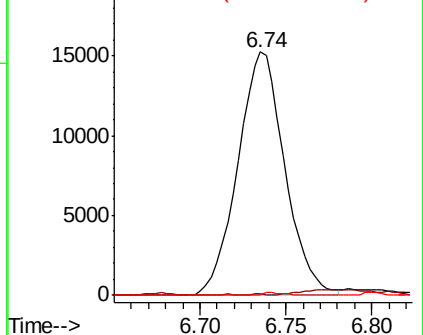
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.5	60.4	90.6#
98	0.5	39.5	59.3#



Abundance Ion 83.15 (82.85 to 83.85): VU035281.D (-1678) (-)

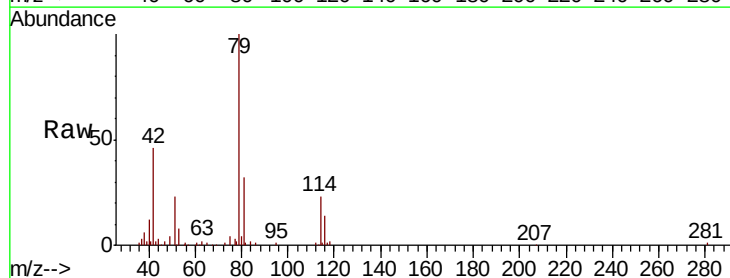
Ion 55.10 (54.80 to 55.80): VU035281.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU035281.D (-1678) (-)



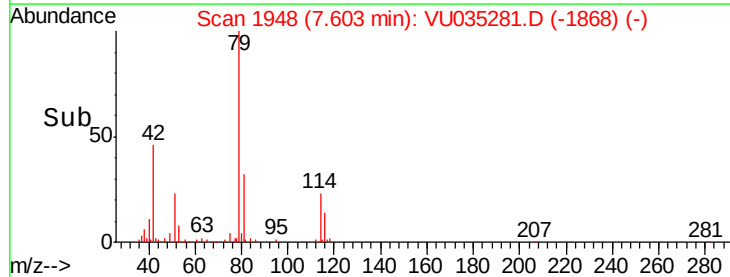
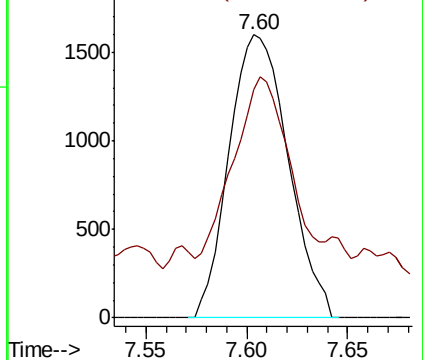
#39
cis-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.60 min Scan# 1948
Delta R.T. -0.04 min
Lab File: VU035281.D
Acq: 18 Oct 2019 21:07

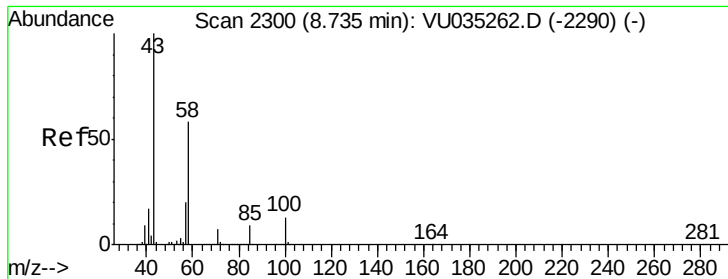
Tgt Ion	Ratio	Lower	Upper
75	100		
77	80.5	22.7	42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035281.D (-1948) (-)

Ion 77.05 (76.75 to 77.75): VU035281.D (-1948) (-)

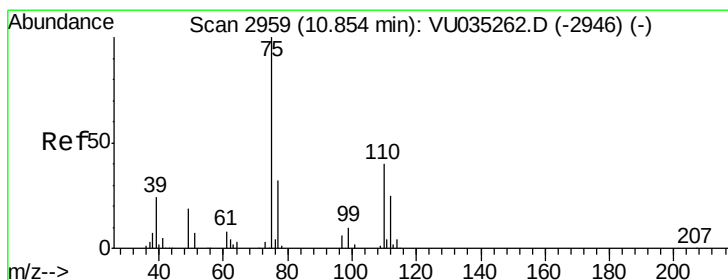
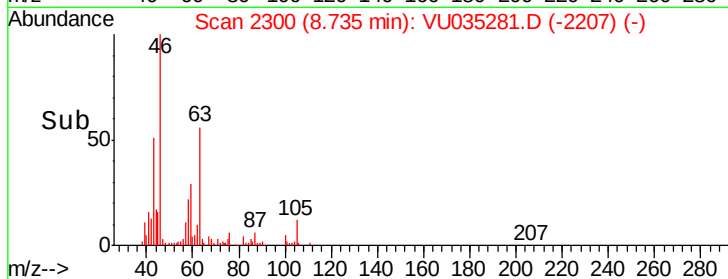
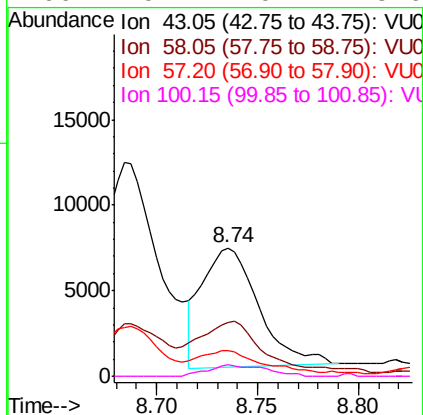
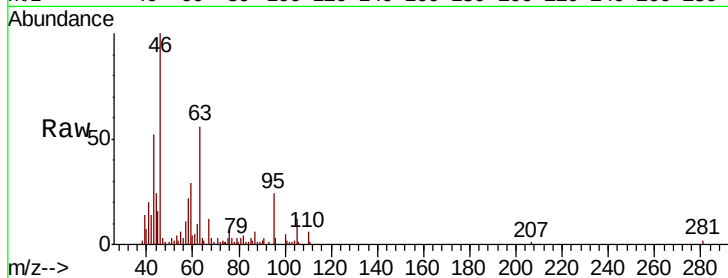




#48
 2-Hexanone
 Concen: 1.183 ug/L
 RT: 8.74 min Scan# 2300
 Delta R.T. -0.00 min
 Lab File: VU035281.D
 Acq: 18 Oct 2019 21:07

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 13636
 Ion Ratio Lower Upper
 43 100
 58 60.0 45.1 67.7
 57 20.2 16.0 24.0
 100 9.7 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.964 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035281.D
 Acq: 18 Oct 2019 21:07

Tgt Ion: 75 Resp: 16358
 Ion Ratio Lower Upper
 75 100
 77 40.4 26.2 39.2#

