

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035247.D
 Acq On : 18 Oct 2019 06:27
 Operator : JC/SP
 Sample : K5419-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 18 07:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 07:32:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	336235	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	335374	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	122468	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	132254	6.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.00%
7) Chloroethane-d5	1.93	69	96841	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.60	63	155022	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.71	46	299563	50.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.68%
24) Chloroform-d	5.11	84	181225	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.75	65	111274	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.77	84	406360	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.74	67	131376	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.93	98	384278	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	8.22	79	53131	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.70	63	249847	47.94	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.88%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	107646	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.23	152	116199	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

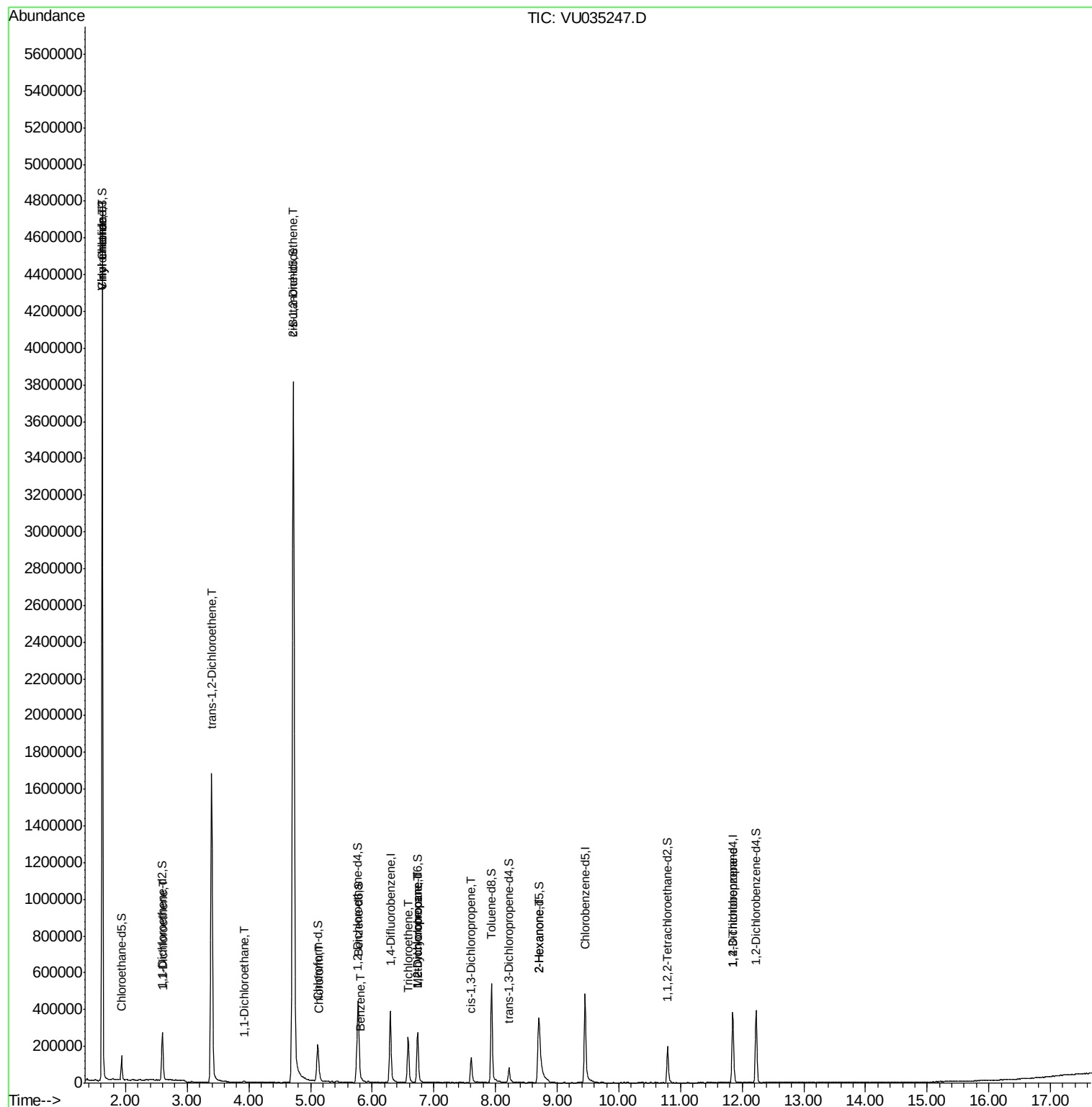
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.62	50	20932	0.737	ug/L #	45
5) Vinyl chloride	1.62	62	3137116	107.608	ug/L	99
12) 1,1-Dichloroethene	2.61	96	9301	0.431	ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	737546	31.638	ug/L	95
19) 1,1-Dichloroethane	3.92	63	7593	0.180	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	2024951	78.588	ug/L	100
25) Chloroform	5.14	83	19292	0.417	ug/L	98
33) Benzene	5.82	78	10921	0.111	ug/L	100
34) Trichloroethene	6.58	95	85963	3.240	ug/L	97
35) Methylcyclohexane	6.74	83	30496	0.688	ug/L #	20
37) 1,2-Dichloropropane	6.74	63	14675	0.586	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	3986	0.095	ug/L #	38
48) 2-Hexanone	8.70	43	40397	3.406	ug/L #	54
59) 1,2,3-Trichloropropane	11.85	75	14982	0.858	ug/L	93

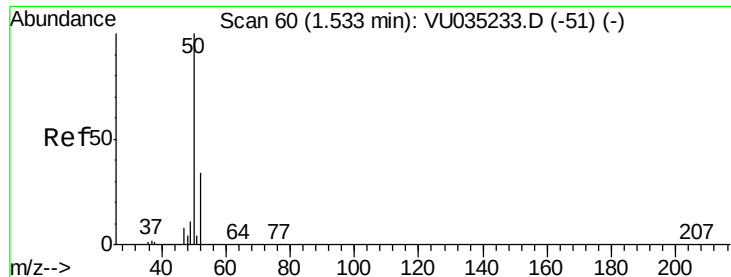
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.737 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.09 min

Lab File: VU035247.D

Acq: 18 Oct 2019 06:27

Instrument :

MSVOA_U

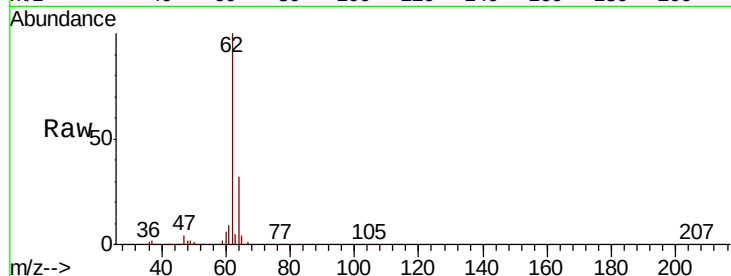
ClientSampleId :

Tot Ion: 50 Resp: 20932

Ion Ratio Lower Upper

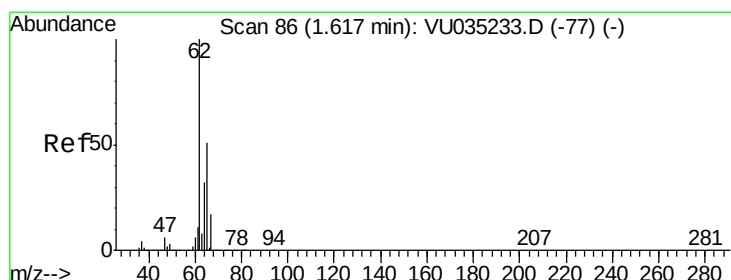
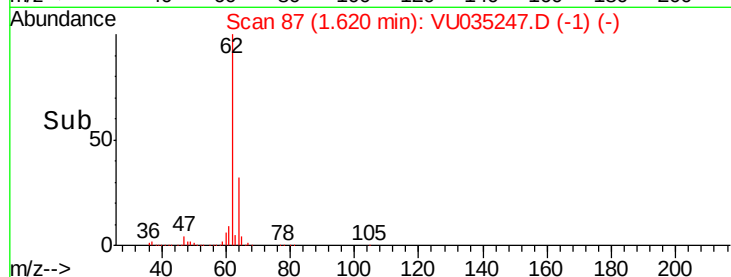
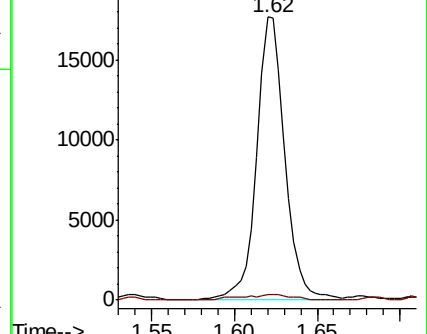
50 100

52 2.0 23.5 43.7#



Abundance Ion 50.05 (49.75 to 50.75): VU035233.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035247.D (-1) (-)



#5

Vinyl chloride

Concen: 107.608 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035247.D

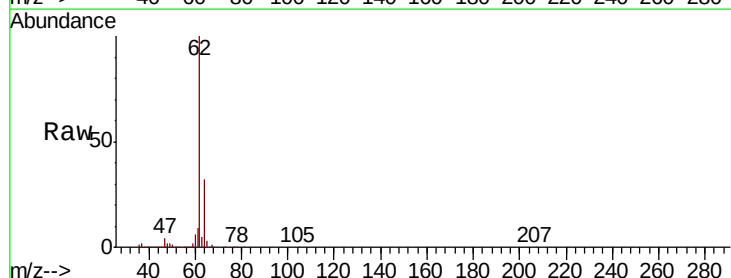
Acq: 18 Oct 2019 06:27

Tgt Ion: 62 Resp: 3137116

Ion Ratio Lower Upper

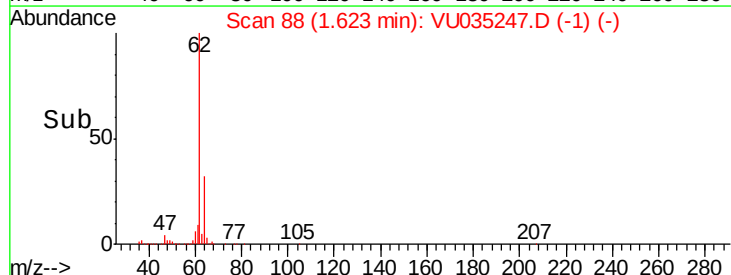
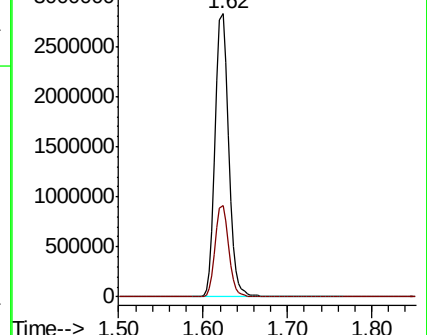
62 100

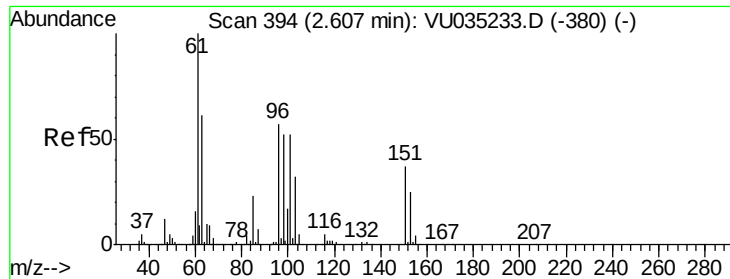
64 32.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035233.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035247.D (-1) (-)





#12

1,1-Dichloroethene

Concen: 0.431 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035247.D

Acq: 18 Oct 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

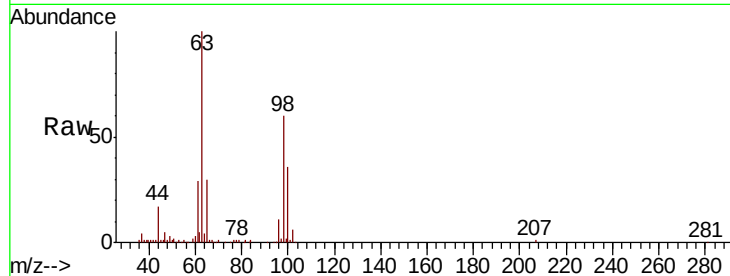
Tot Ion: 96 Resp: 9301

Ion Ratio Lower Upper

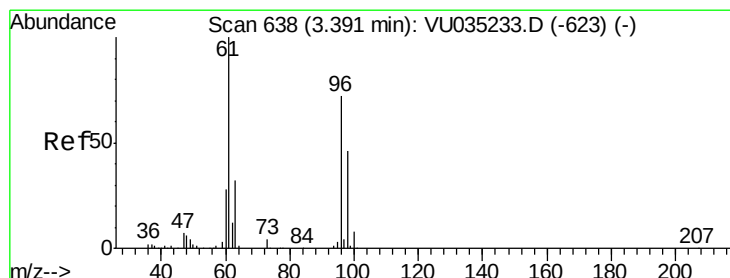
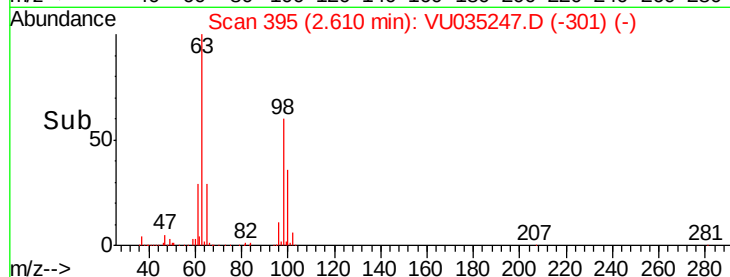
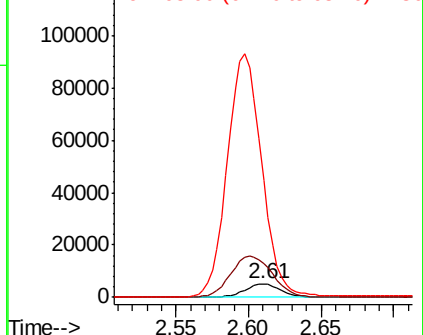
96 100

61 258.2 120.6 224.0#

63 887.3 86.8 161.2#



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



#18

trans-1,2-Dichloroethene

Concen: 31.638 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035247.D

Acq: 18 Oct 2019 06:27

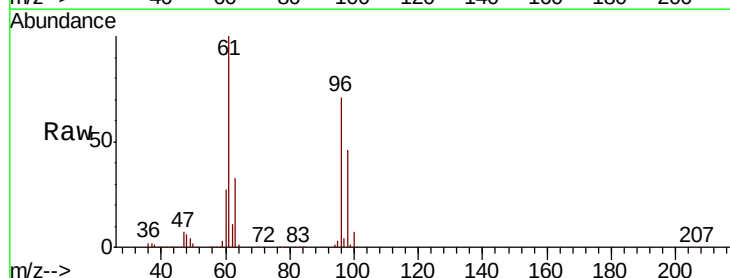
Tgt Ion: 96 Resp: 737546

Ion Ratio Lower Upper

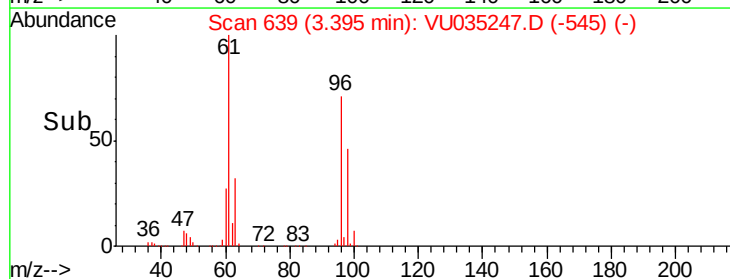
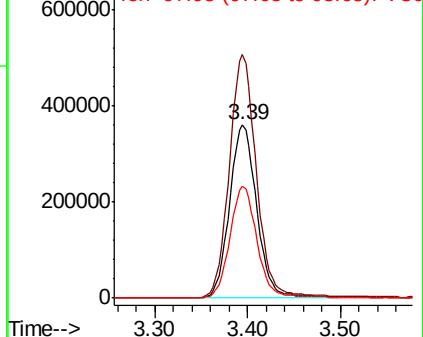
96 100

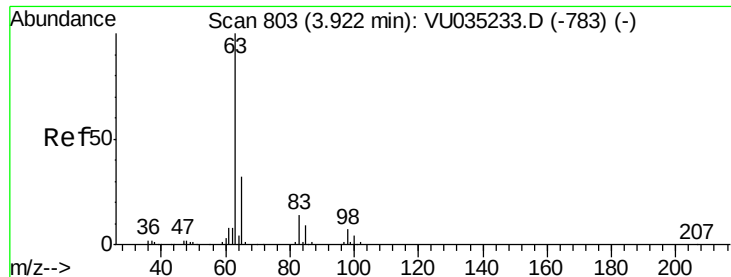
61 140.5 93.0 172.6

98 64.6 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.180 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU035247.D

Acq: 18 Oct 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

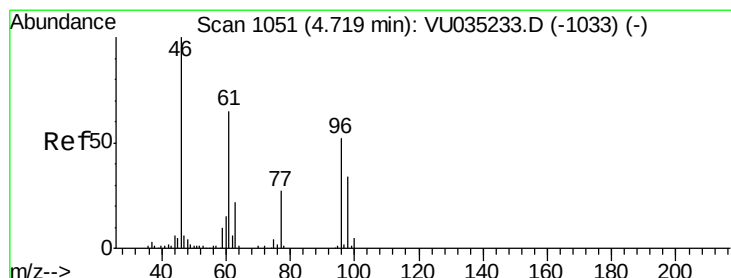
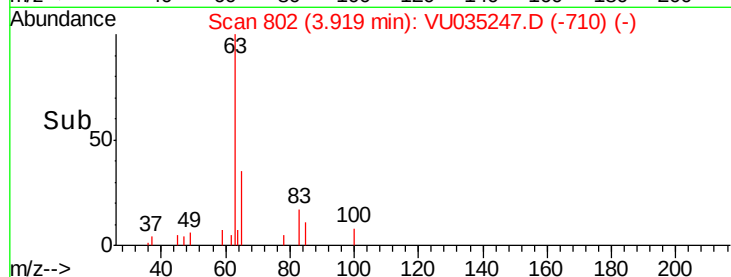
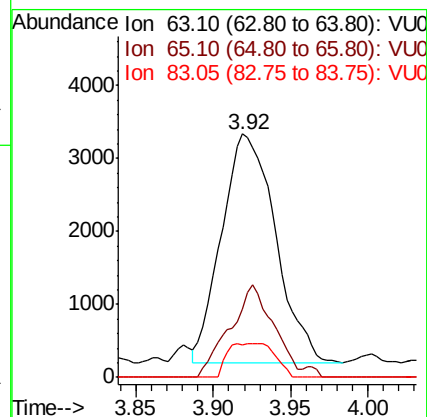
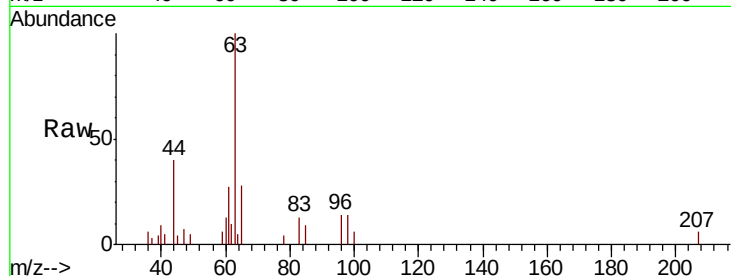
Tot Ion: 63 Resp: 7593

Ion Ratio Lower Upper

63 100

65 27.9 22.4 41.6

83 13.3 9.3 17.3



#22

cis-1,2-Dichloroethene

Concen: 78.588 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035247.D

Acq: 18 Oct 2019 06:27

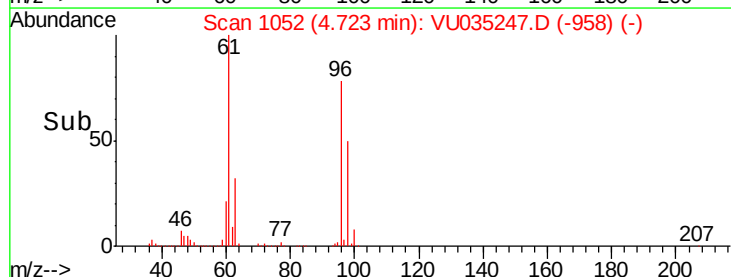
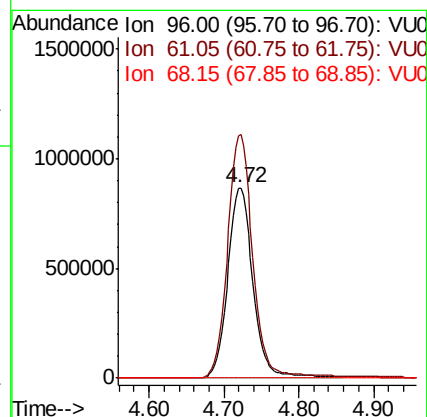
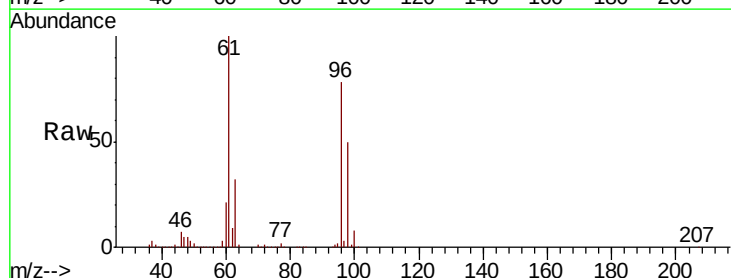
Tgt Ion: 96 Resp: 2024951

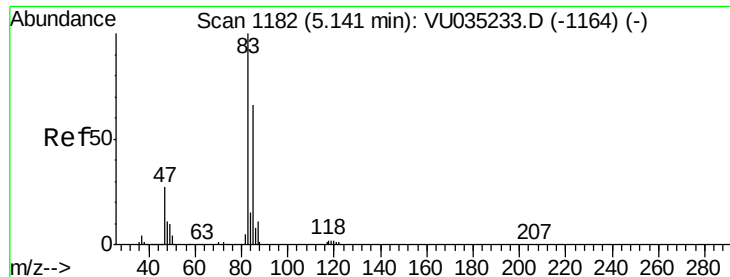
Ion Ratio Lower Upper

96 100

61 128.0 89.7 166.5

68 0.0 0.0 0.0

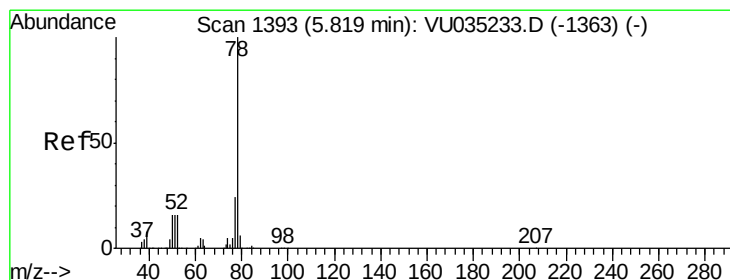
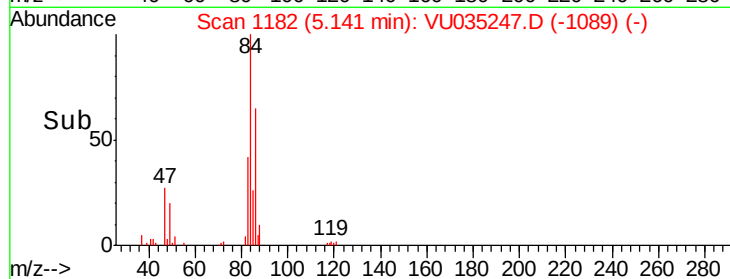
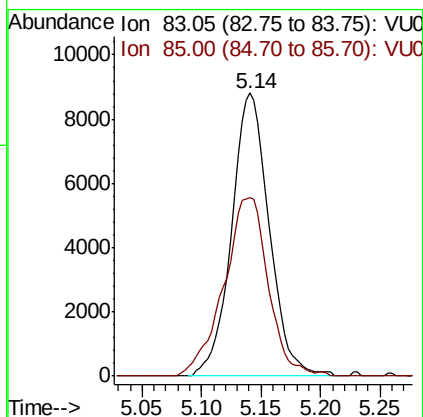
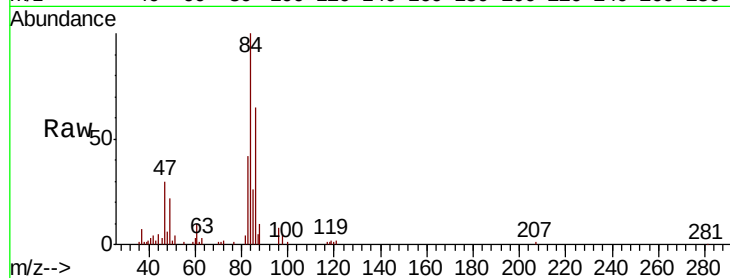




#25
Chloroform
Concen: 0.417 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035247.D
Acq: 18 Oct 2019 06:27

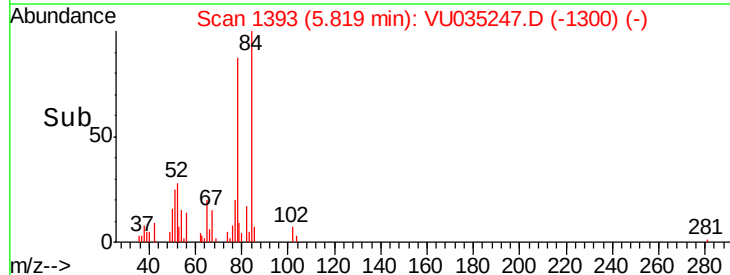
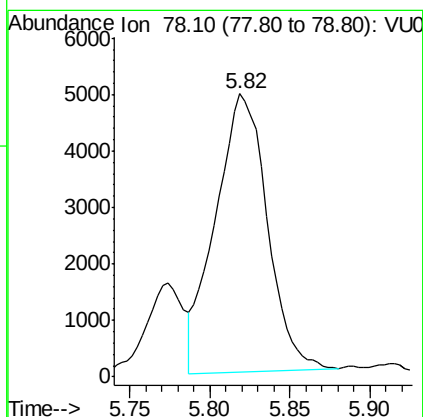
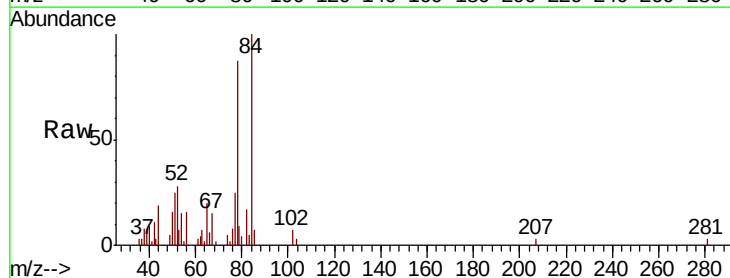
Instrument :
MSVOA_U
ClientSampleId :

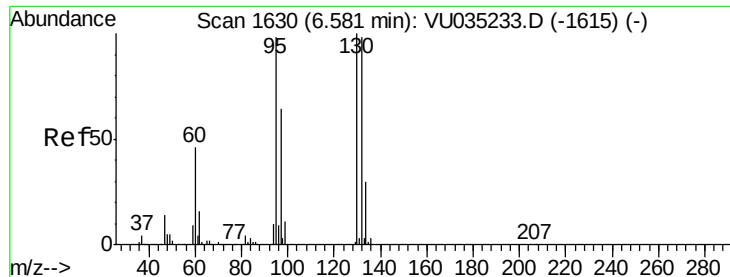
Tot Ion: 83 Resp: 19292
Ion Ratio Lower Upper
83 100
85 63.1 45.1 83.9



#33
Benzene
Concen: 0.111 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035247.D
Acq: 18 Oct 2019 06:27

Tgt Ion: 78 Resp: 10921





#34

Trichloroethene

Concen: 3.240 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035247.D

Acq: 18 Oct 2019 06:27

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 85963

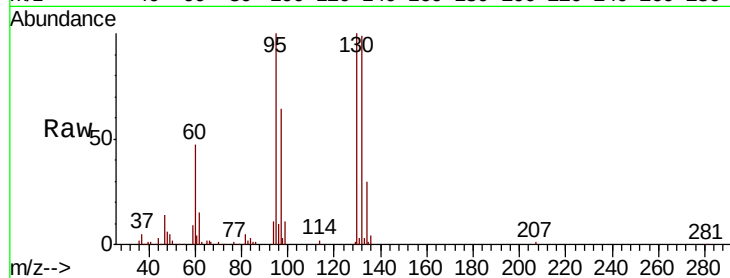
Ion Ratio Lower Upper

95 100

97 63.8 46.6 86.6

132 98.7 68.7 127.7

130 99.7 73.9 137.3

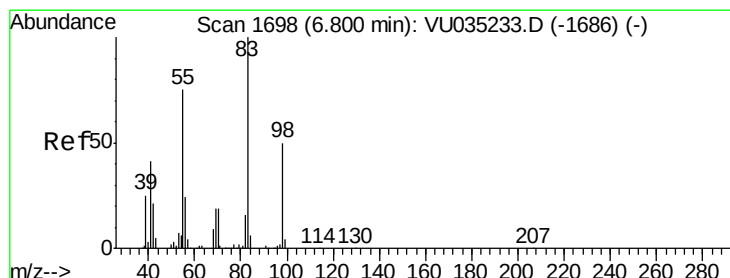
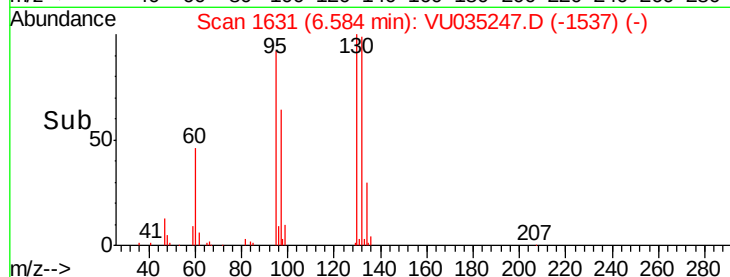
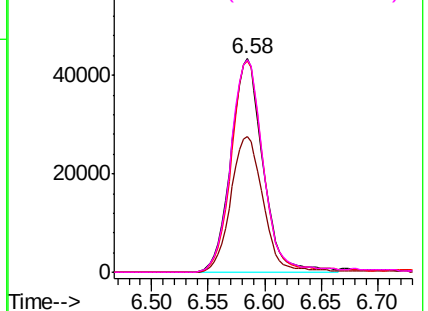


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.688 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035247.D

Acq: 18 Oct 2019 06:27

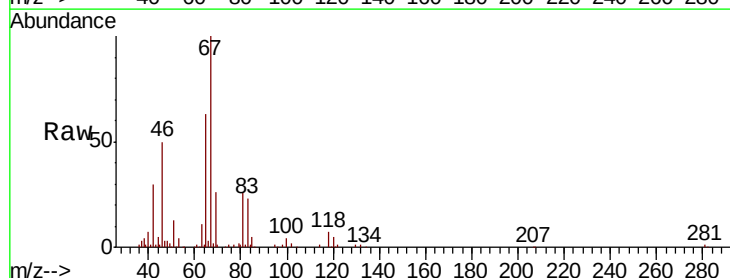
Tgt Ion: 83 Resp: 30496

Ion Ratio Lower Upper

83 100

55 1.4 60.4 90.6#

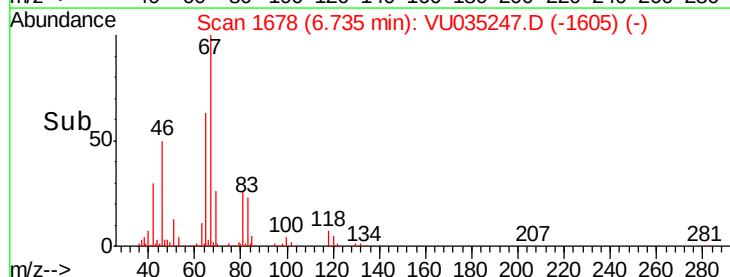
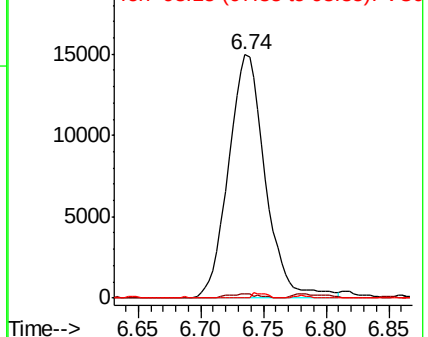
98 0.8 39.5 59.3#

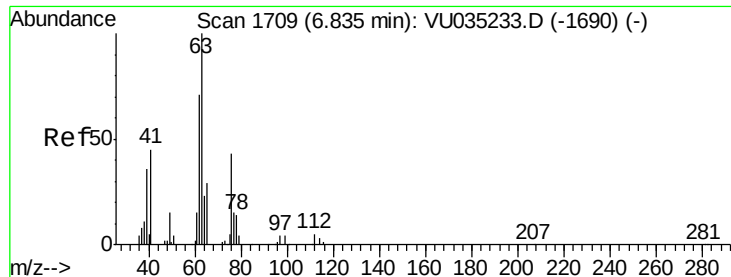


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

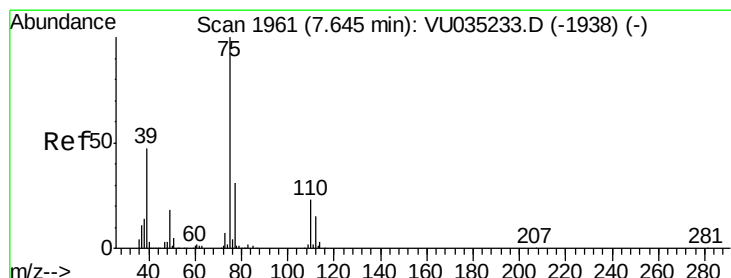
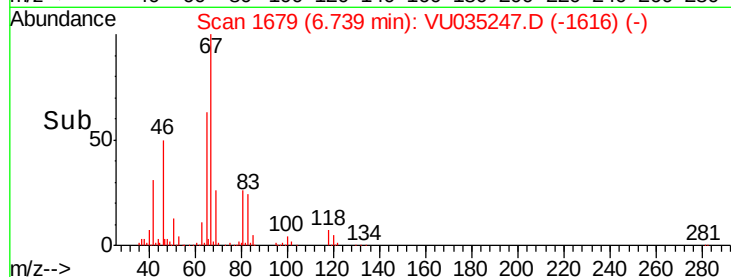
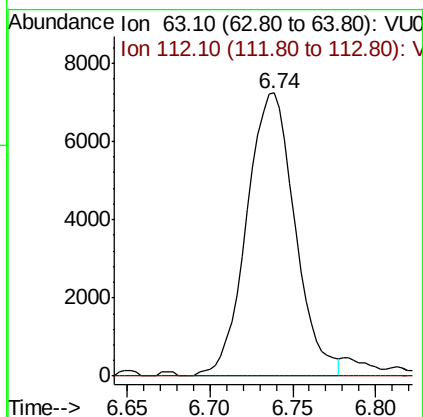
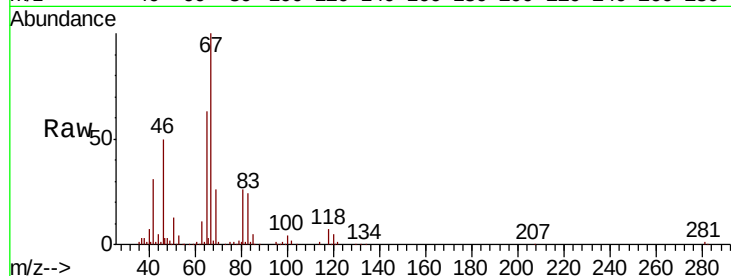




#37
 1,2-Dichloropropane
 Concen: 0.586 ug/L
 RT: 6.74 min Scan# 1679
 Delta R.T. -0.10 min
 Lab File: VU035247.D
 Acq: 18 Oct 2019 06:27

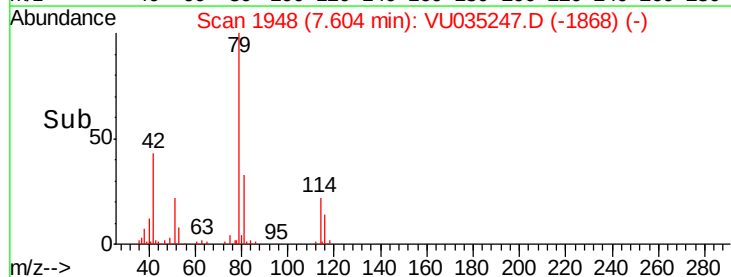
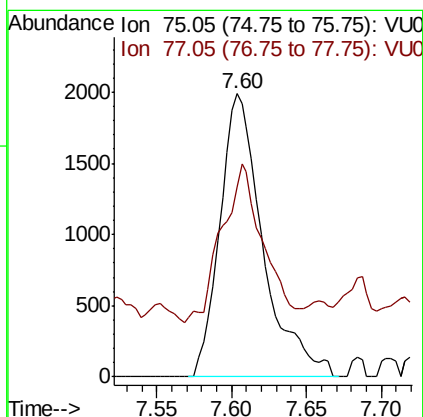
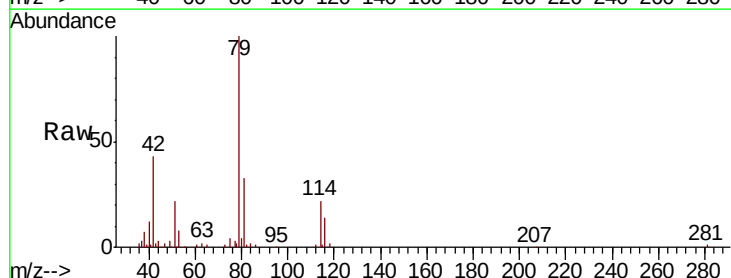
Instrument :
 MSVOA_U
 ClientSampled :

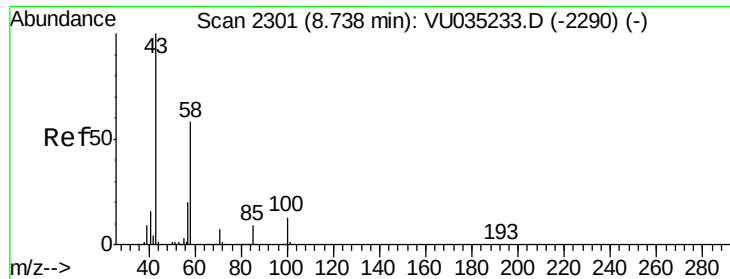
Tot Ion: 63 Resp: 14675
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035247.D
 Acq: 18 Oct 2019 06:27

Tgt Ion: 75 Resp: 3986
 Ion Ratio Lower Upper
 75 100
 77 67.3 22.7 42.1#

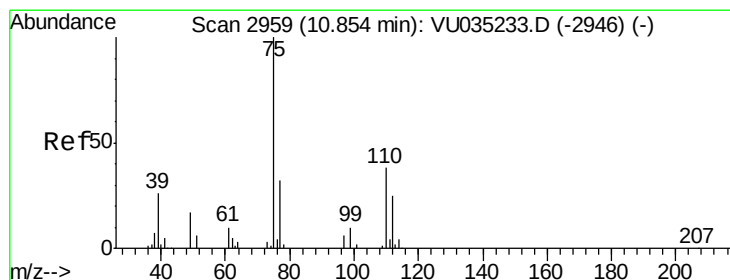
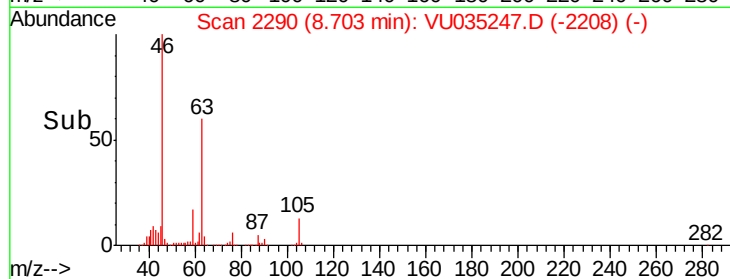
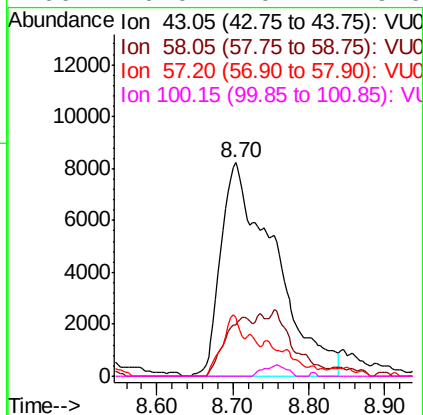
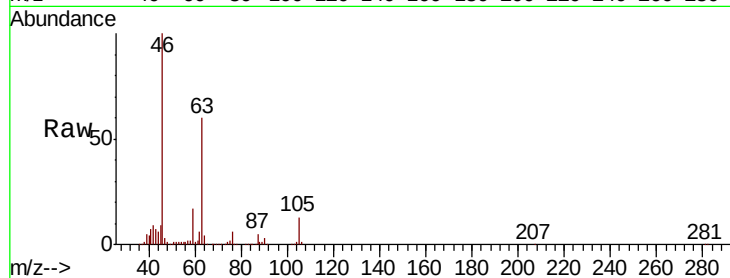




#48
 2-Hexanone
 Concen: 3.406 ug/L
 RT: 8.70 min Scan# 2290
 Delta R.T. -0.04 min
 Lab File: VU035247.D
 Acq: 18 Oct 2019 06:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 40397
 Ion Ratio Lower Upper
 43 100
 58 13.6 45.1 67.7#
 57 10.6 16.0 24.0#
 100 0.0 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.858 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.99 min
 Lab File: VU035247.D
 Acq: 18 Oct 2019 06:27

Tgt Ion: 75 Resp: 14982
 Ion Ratio Lower Upper
 75 100
 77 36.9 26.2 39.2

