

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101819\
 Data File : VU035282.D
 Acq On : 18 Oct 2019 21:31
 Operator : JC/SP
 Sample : K5419-12DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:43:31 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	328768	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	329461	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	132682	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86677	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.90	69	78983	4.31	ug/L	-0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.58	63	125086	3.37	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.70	46	288070	50.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.00%
24) Chloroform-d	5.11	84	175905	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.75	65	102056	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.77	84	360267	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.73	67	117924	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.93	98	334513	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.21	79	49610	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.68	63	270953	52.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.84%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	107308	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	113611	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	24711	0.867 ug/L	91
12) 1,1-Dichloroethene	2.59	96	2174	0.103 ug/L #	1
13) Acetone	2.67	43	4571	1.141 ug/L	92
16) Methylene chloride	3.08	84	4758	0.187 ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	68709	3.014 ug/L	91
21) 2-Butanone	4.88	43	55029	8.425 ug/L #	48
22) cis-1,2-Dichloroethene	4.71	96	137213	5.446 ug/L	99
25) Chloroform	5.13	83	9163	0.203 ug/L	96
34) Trichloroethene	6.58	95	80043	3.071 ug/L	97
35) Methylcyclohexane	6.73	83	27321	0.627 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	13374	0.543 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	3408	0.083 ug/L #	25
47) Tetrachloroethene	8.58	164	2237	0.103 ug/L	96
49) Dibromochloromethane	8.58	129	2131	0.092 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	15212	0.887 ug/L	90

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

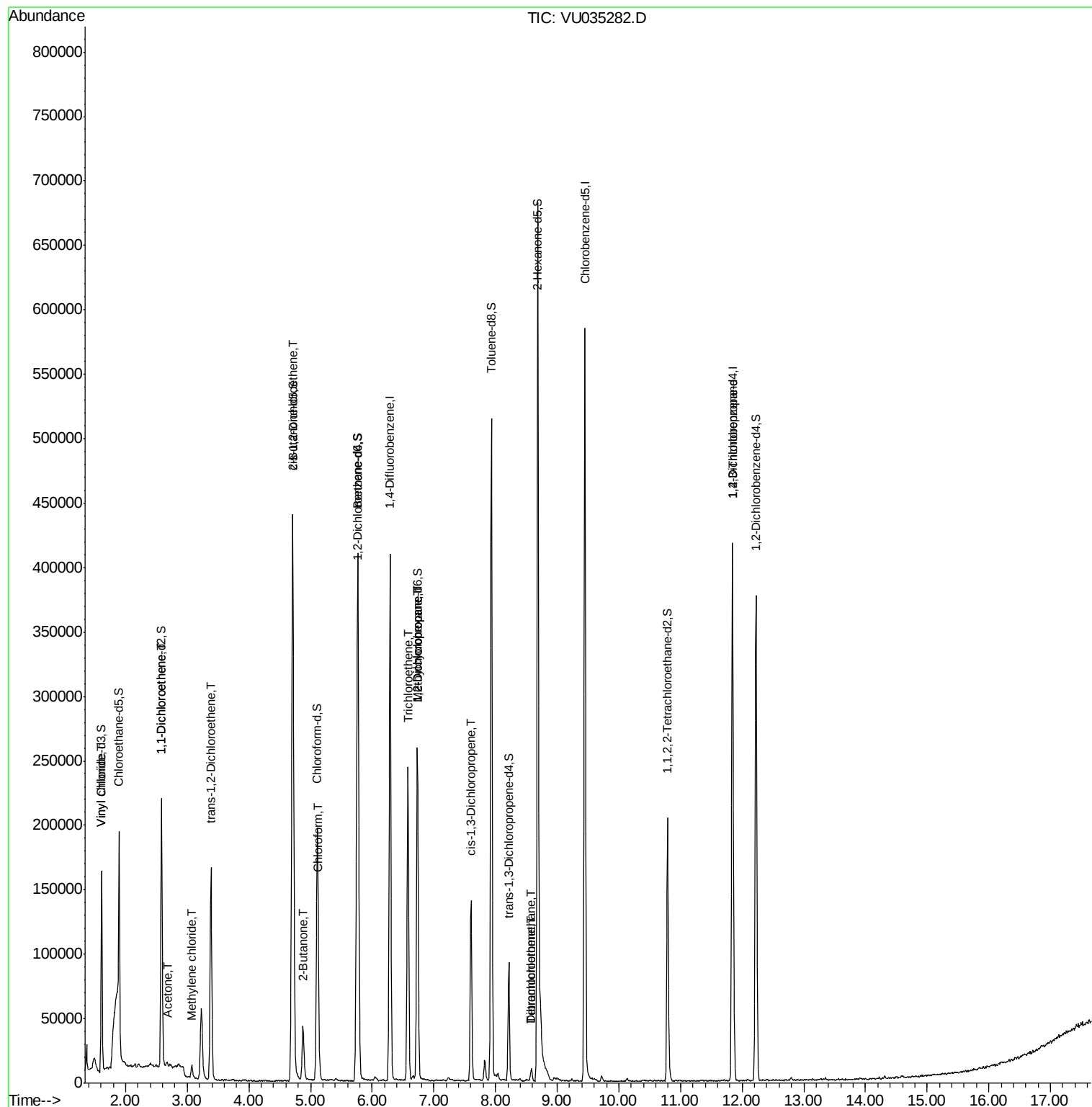
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

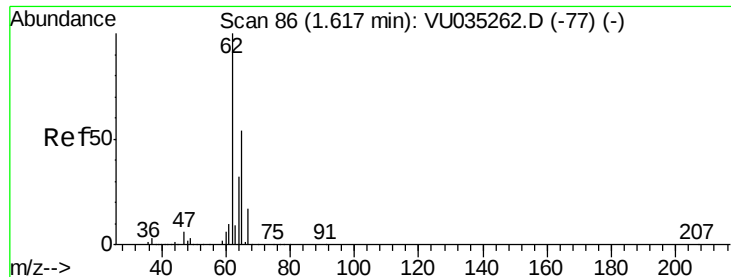
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101819\
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QLast Update : Sat Oct 19 03:38:09 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.867 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

Instrument :

MSVOA_U

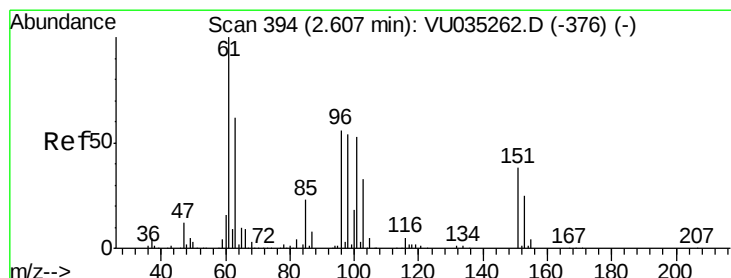
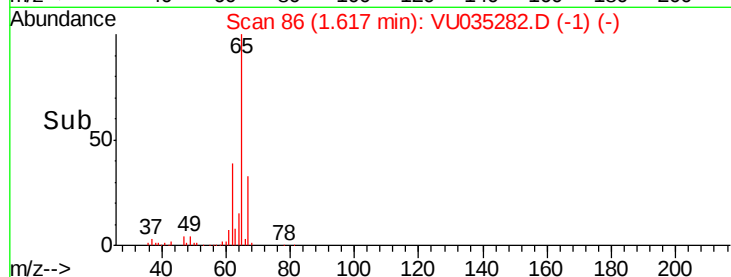
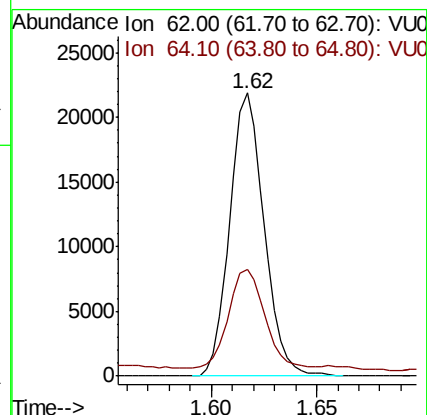
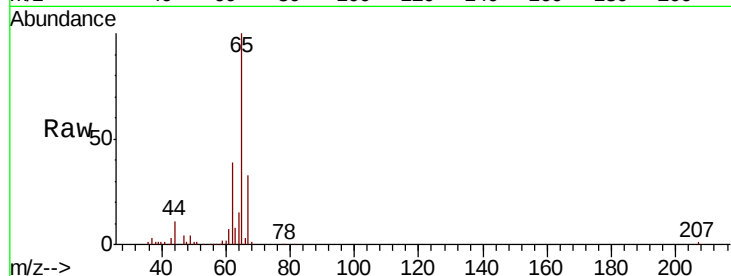
ClientSampleId :

Tot Ion: 62 Resp: 24711

Ion Ratio Lower Upper

62 100

64 37.9 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.103 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

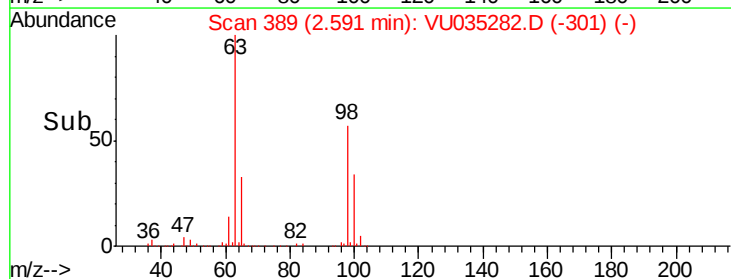
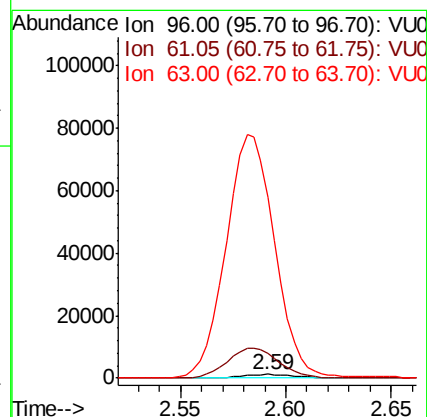
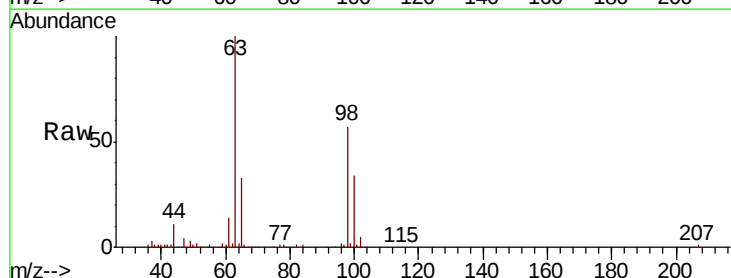
Tgt Ion: 96 Resp: 2174

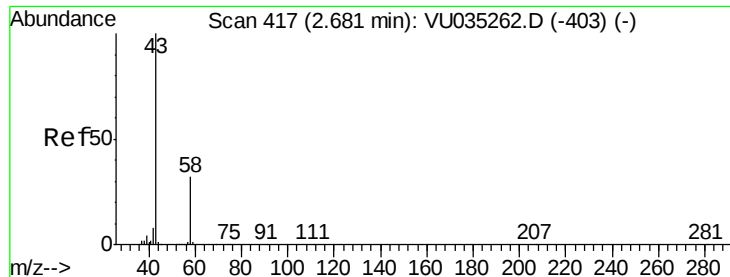
Ion Ratio Lower Upper

96 100

61 661.0 120.6 224.0#

63 4853.1 86.8 161.2#





#13

Acetone

Concen: 1.141 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

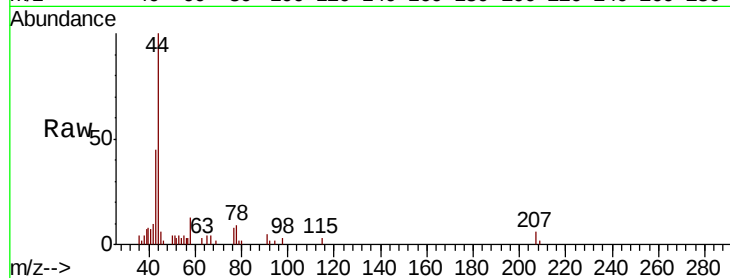
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 4571

Ion Ratio Lower Upper

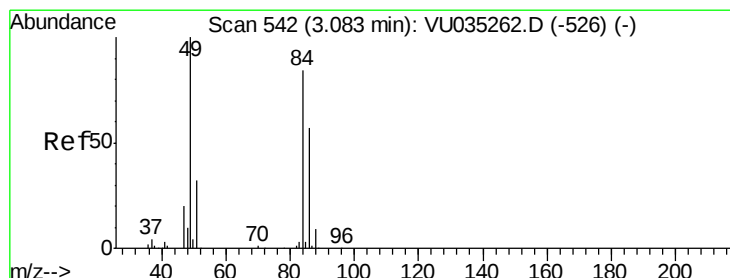
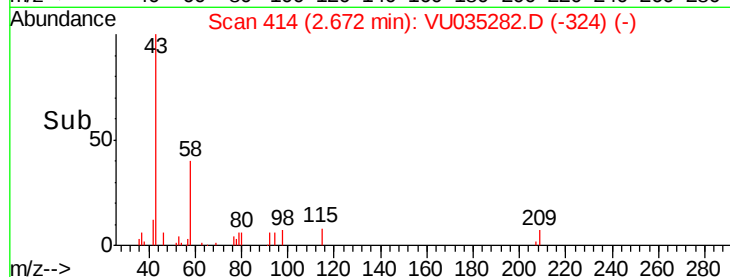
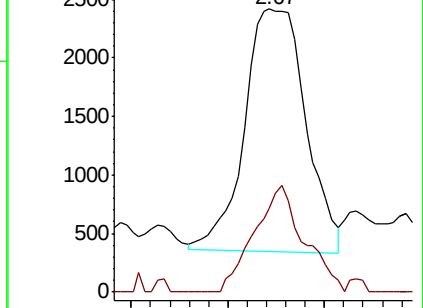
43 100

58 35.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035282.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035282.D (-403) (-)



#16

Methylene chloride

Concen: 0.187 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.01 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

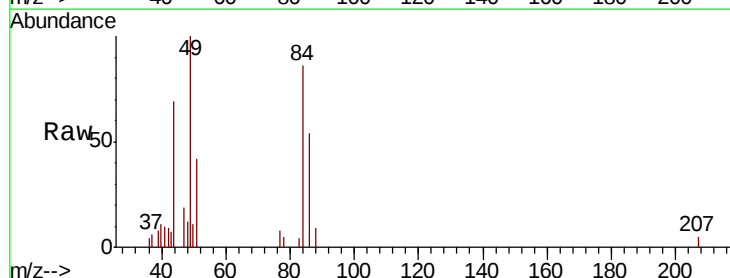
Tgt Ion: 84 Resp: 4758

Ion Ratio Lower Upper

84 100

86 63.0 45.4 84.2

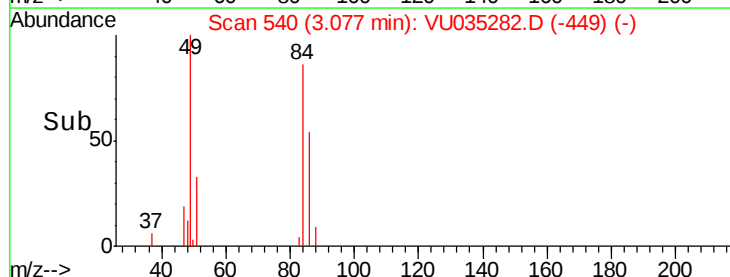
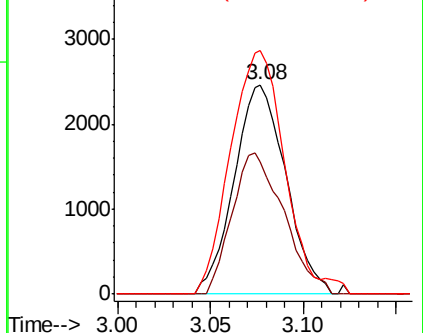
49 116.4 86.8 161.2

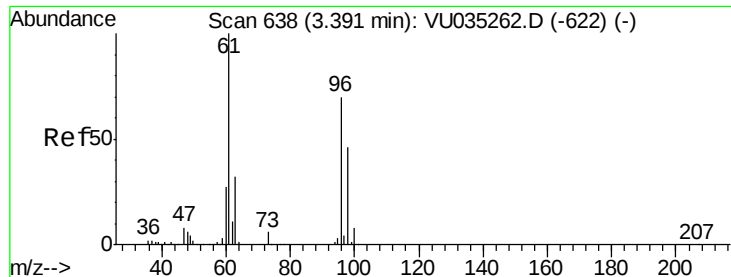


Abundance Ion 84.05 (83.75 to 84.75): VU035282.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035282.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035282.D (-526) (-)





#18

trans-1,2-Dichloroethene

Concen: 3.014 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.01 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

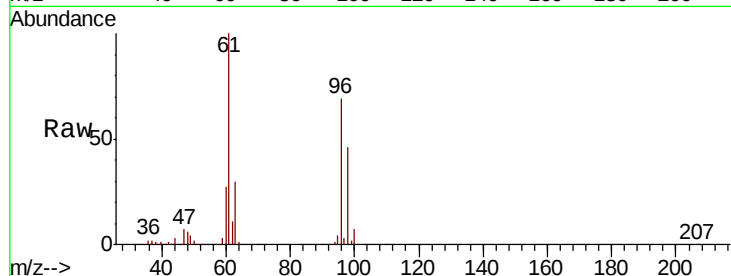
Tot Ion: 96 Resp: 68709

Ion Ratio Lower Upper

96 100

61 144.5 93.0 172.6

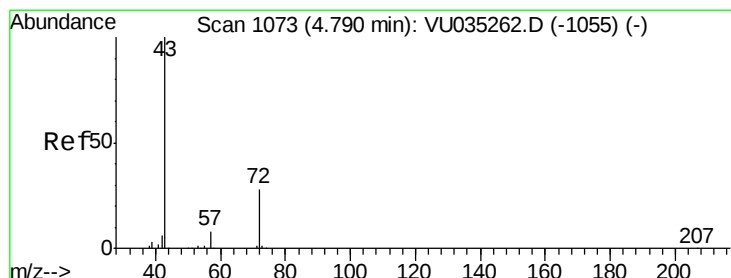
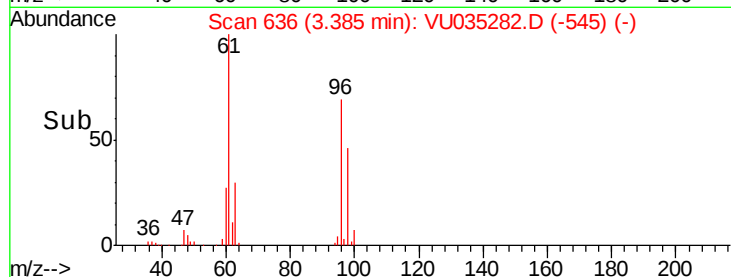
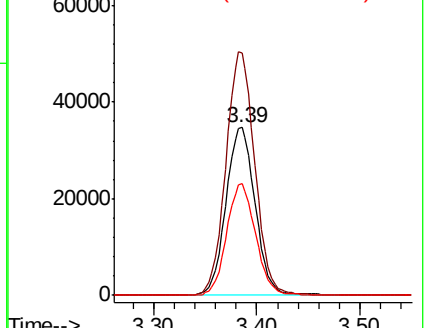
98 67.0 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035282.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035282.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035282.D (-545) (-)



#21

2-Butanone

Concen: 8.425 ug/L

RT: 4.88 min Scan# 1100

Delta R.T. 0.09 min

Lab File: VU035282.D

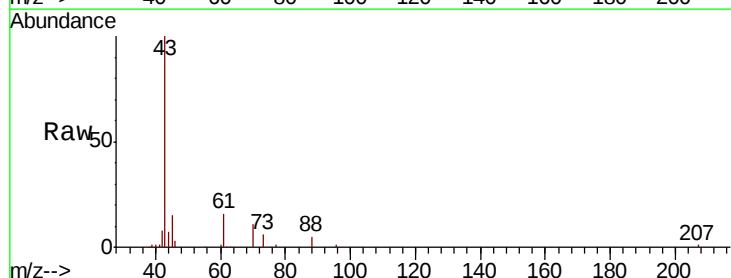
Acq: 18 Oct 2019 21:31

Tgt Ion: 43 Resp: 55029

Ion Ratio Lower Upper

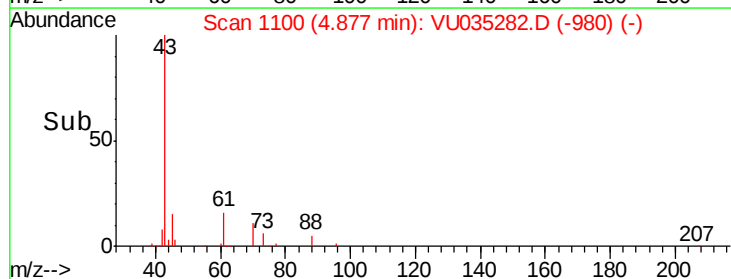
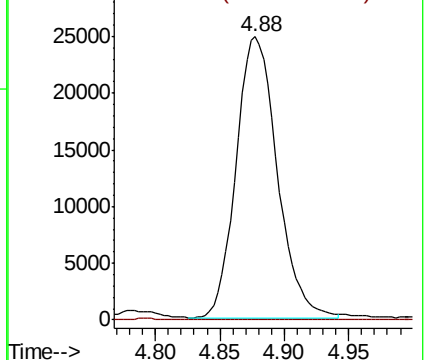
43 100

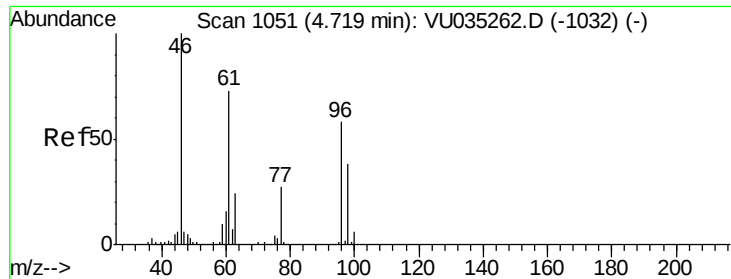
72 0.2 13.6 40.8#



Abundance Ion 43.05 (42.75 to 43.75): VU035282.D (-980) (-)

Ion 72.10 (71.80 to 72.80): VU035282.D (-980) (-)

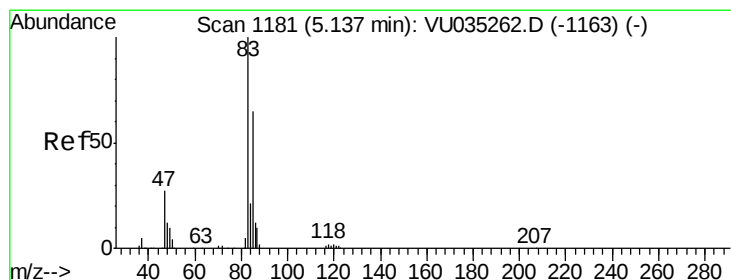
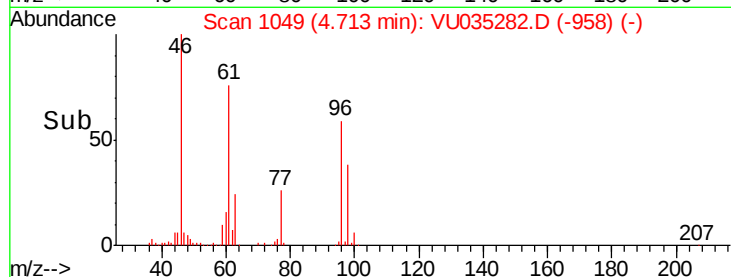
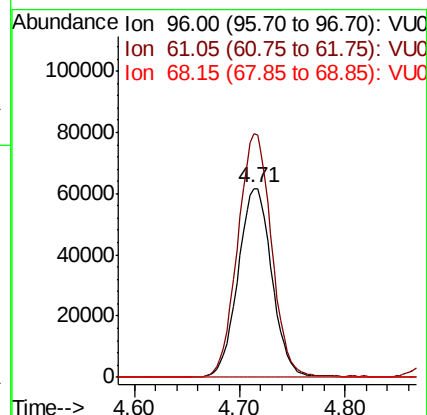
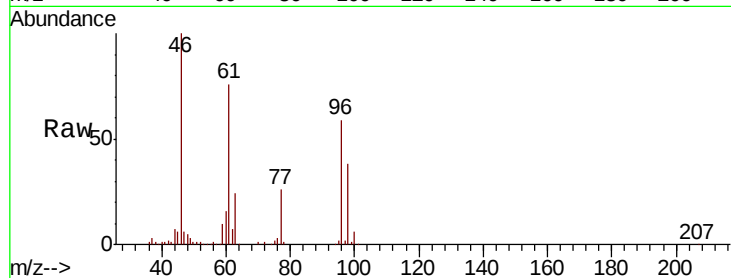




#22
 cis-1,2-Dichloroethene
 Concen: 5.446 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VU035282.D
 Acq: 18 Oct 2019 21:31

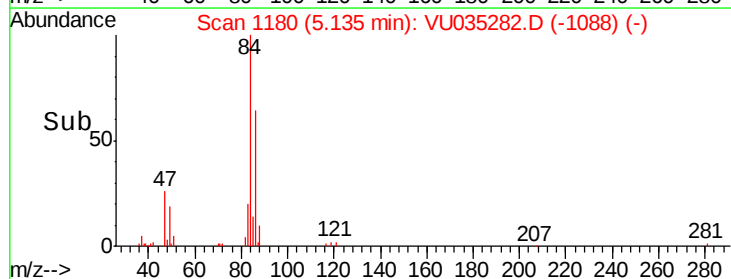
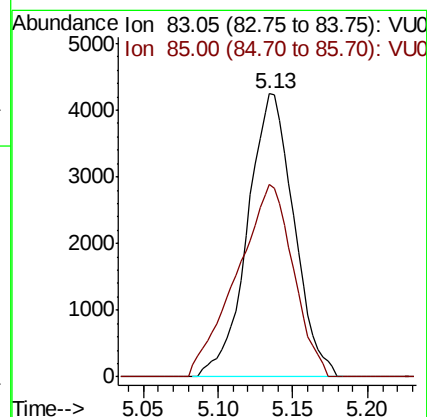
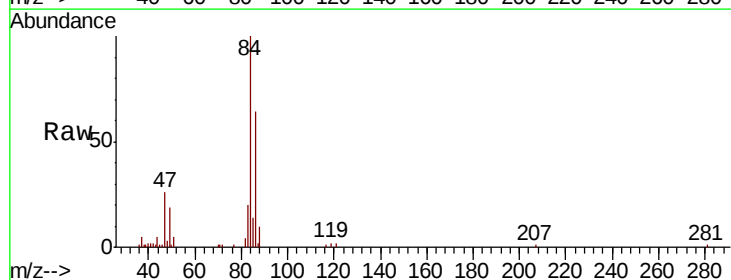
Instrument :
 MSVOA_U
 ClientSampled :

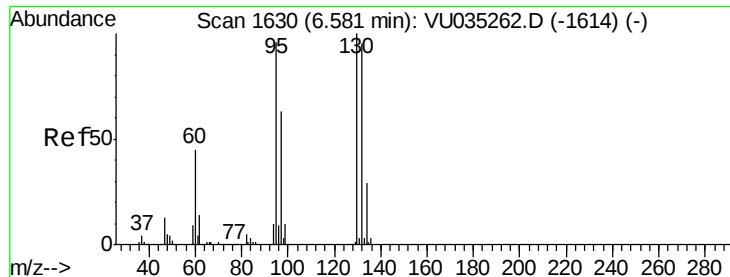
Tot Ion: 96 Resp: 137213
 Ion Ratio Lower Upper
 96 100
 61 128.7 89.7 166.5
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.203 ug/L
 RT: 5.13 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VU035282.D
 Acq: 18 Oct 2019 21:31

Tgt Ion: 83 Resp: 9163
 Ion Ratio Lower Upper
 83 100
 85 67.9 45.1 83.9





#34

Trichloroethene

Concen: 3.071 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 80043

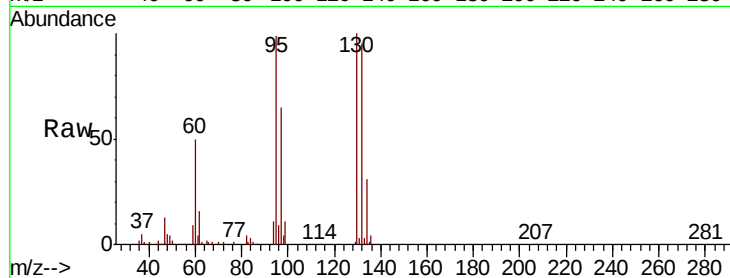
Ion Ratio Lower Upper

95 100

97 65.5 46.6 86.6

132 96.0 68.7 127.7

130 101.3 73.9 137.3

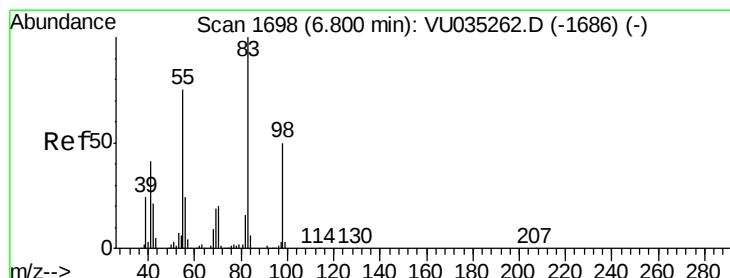
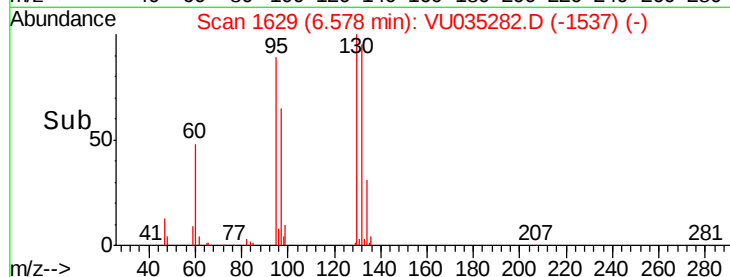
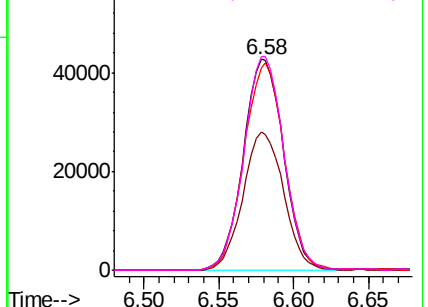


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.627 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

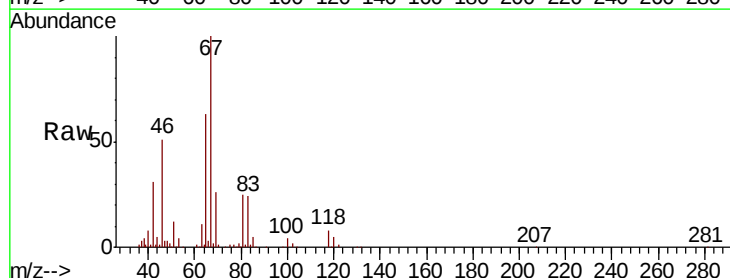
Tgt Ion: 83 Resp: 27321

Ion Ratio Lower Upper

83 100

55 0.8 60.4 90.6#

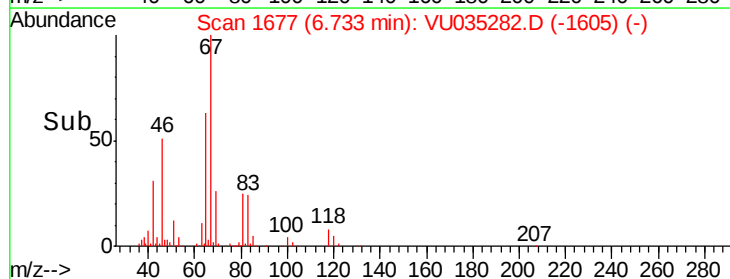
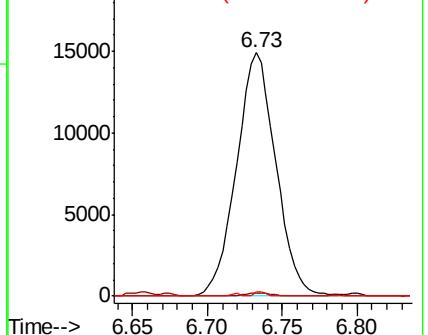
98 0.5 39.5 59.3#

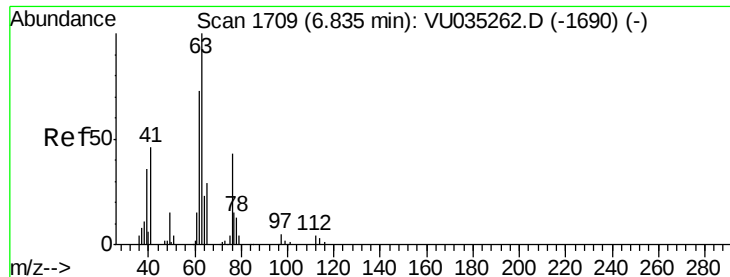


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.543 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

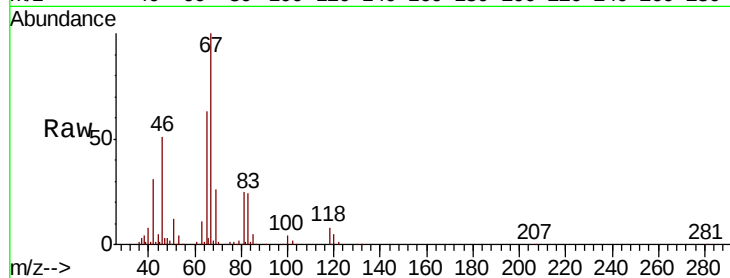
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 13374

Ion Ratio Lower Upper

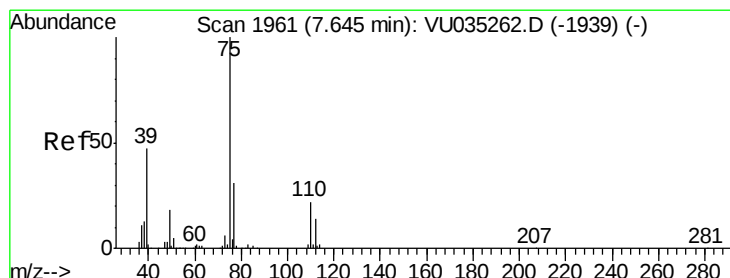
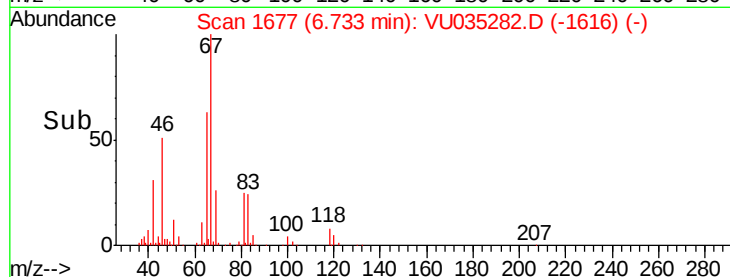
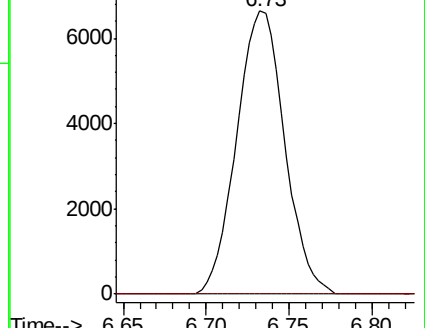
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035282.D (-1677) (-)

Ion 112.10 (111.80 to 112.80): VU035282.D (-1677) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035282.D

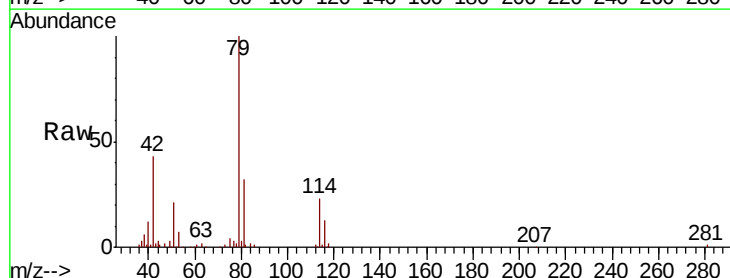
Acq: 18 Oct 2019 21:31

Tgt Ion: 75 Resp: 3408

Ion Ratio Lower Upper

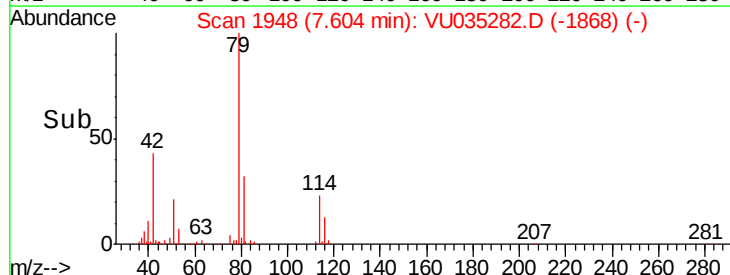
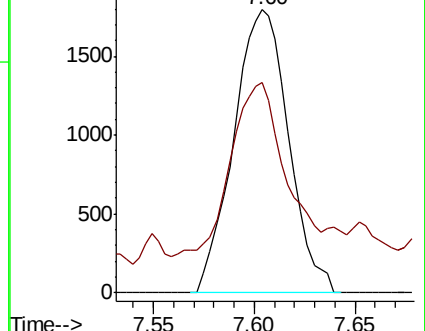
75 100

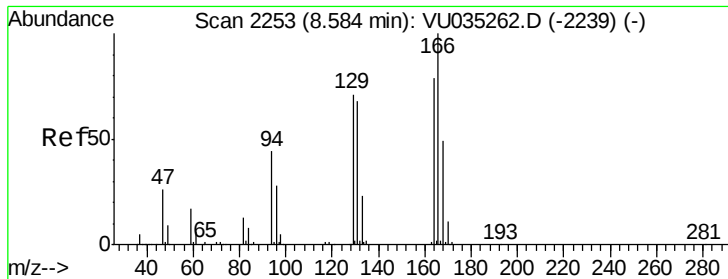
77 74.5 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035282.D (-1868) (-)

Ion 77.05 (76.75 to 77.75): VU035282.D (-1868) (-)

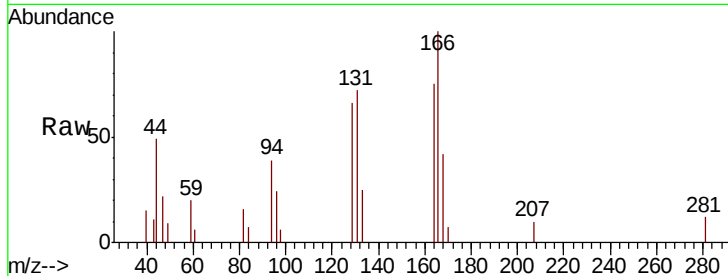




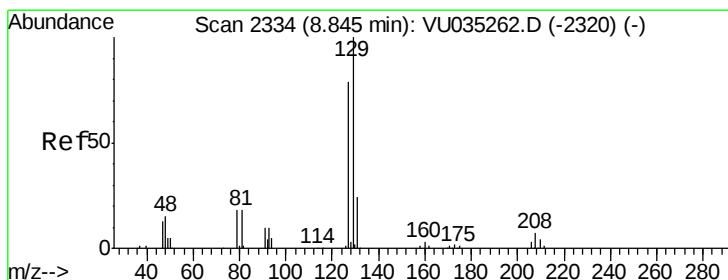
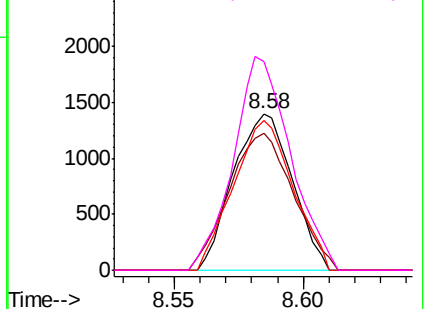
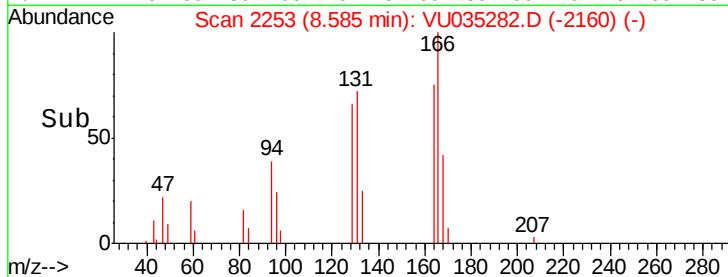
#47
Tetrachloroethene
Concen: 0.103 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035282.D
Acq: 18 Oct 2019 21:31

Instrument :
MSVOA_U
ClientSampleId :

Tot	Ion:164	Resp:	2237
Ion	Ratio	Lower	Upper
164	100		
129	87.4	65.2	121.0
131	95.4	62.9	116.9
166	133.0	91.5	169.9

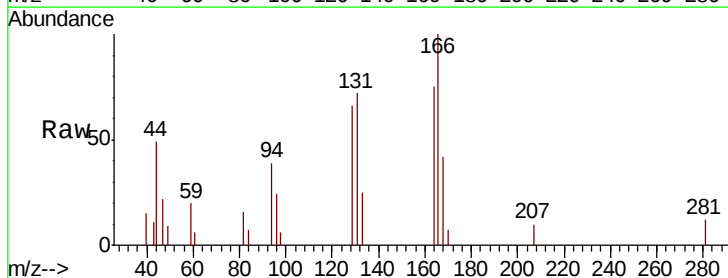


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

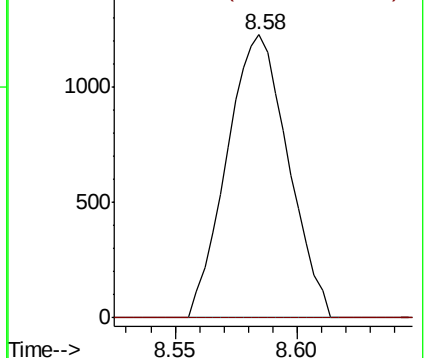
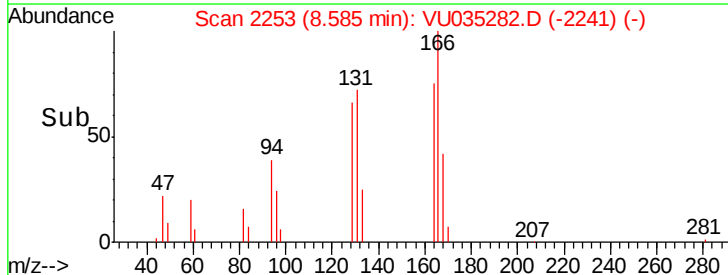


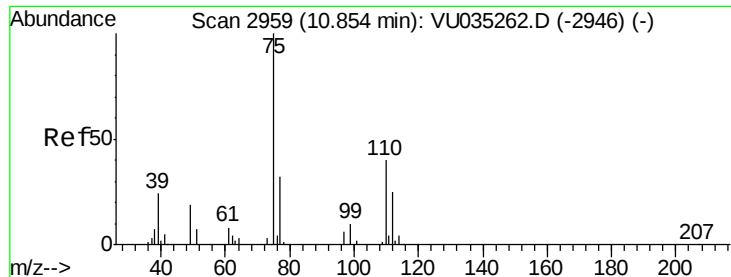
#49
Dibromochloromethane
Concen: 0.092 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035282.D
Acq: 18 Oct 2019 21:31

Tgt	Ion:129	Resp:	2131
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	99.8#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.887 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035282.D

Acq: 18 Oct 2019 21:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 15212

Ion Ratio Lower Upper

75 100

77 38.6 26.2 39.2

