

Data File : VU035161.D
Acq On : 14 Oct 2019 19:48
Operator : JC/SP
Sample : K5310-18DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
OU2-MD-2-001-01DL

Quant Time: Oct 15 07:59:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	159726	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	170464	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	58201	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47366	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.68	69	45440	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.26	63	68519	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.17	46	144683	52.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.06%
24) Chloroform-d	4.62	84	83362	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.29	65	53720	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.32	84	176858	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.31	67	63650	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.55	98	149047	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.84	79	17725	3.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.80%
46) 2-Hexanone-d5	8.31	63	102428	44.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.56%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	53573	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	50177	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	66899	4.253 ug/L	99
8) Chloroethane	1.69	64	938	0.099 ug/L #	41
12) 1,1-Dichloroethene	2.26	96	704	0.069 ug/L #	1
16) Methylene chloride	2.68	84	1898	0.149 ug/L	91
18) trans-1,2-Dichloroethene	2.96	96	2465	0.224 ug/L	88
22) cis-1,2-Dichloroethene	4.20	96	144051	11.755 ug/L	91
25) Chloroform	4.65	83	13590	0.554 ug/L	95
34) Trichloroethene	6.17	95	22264	1.681 ug/L	97
35) Methylcyclohexane	6.31	83	14003	0.653 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	7222	0.521 ug/L #	88
45) 1,1,2-Trichloroethane	8.21	97	1168	0.127 ug/L #	1
47) Tetrachloroethene	8.21	164	129410	12.073 ug/L	93
48) 2-Hexanone	8.31	43	17495	2.927 ug/L #	48
49) Dibromochloromethane	8.21	129	122756	11.548 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	7717	0.861 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

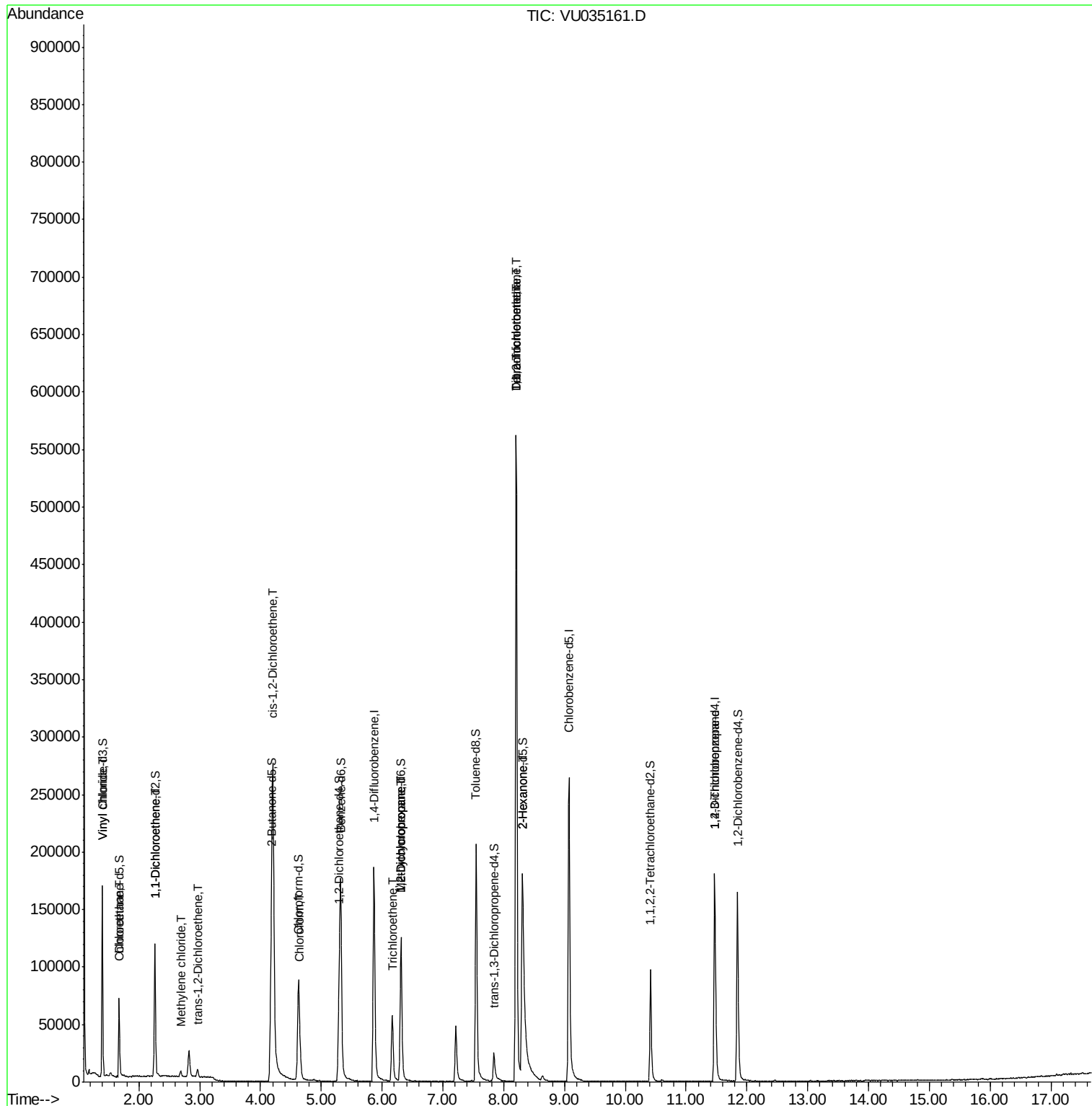
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

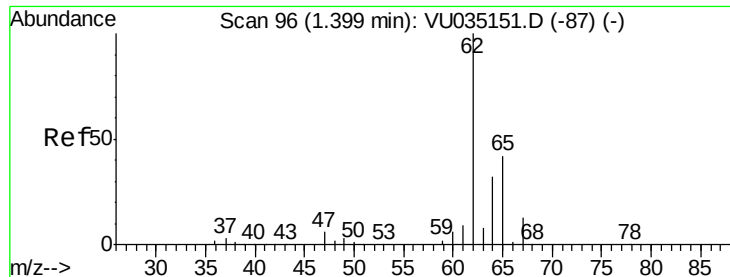
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.253 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035161.D

Acq: 14 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

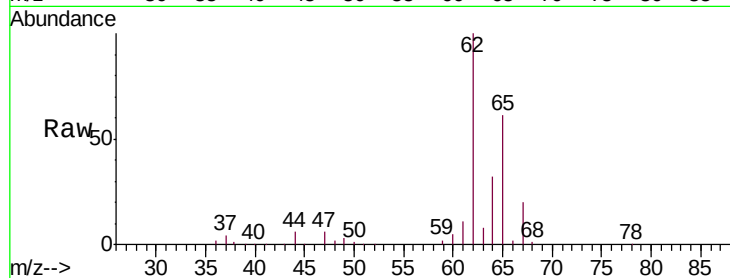
OU2-MD-2-001-01DL

Tgt Ion: 62 Resp: 66899

Ion Ratio Lower Upper

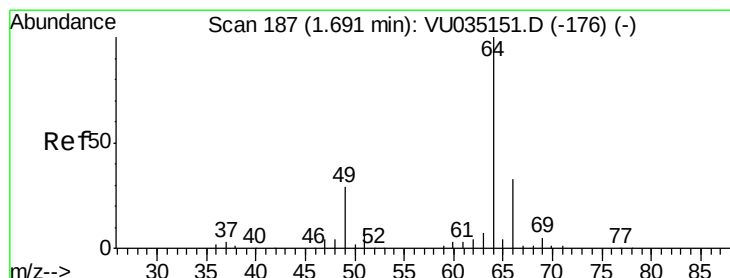
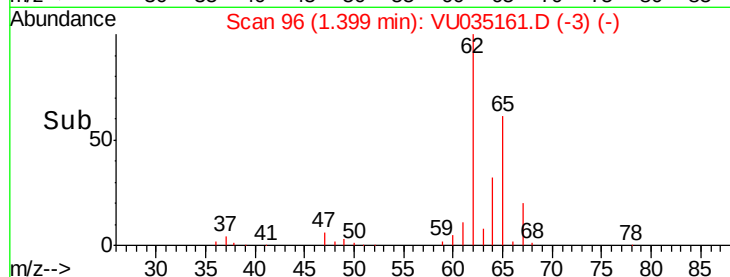
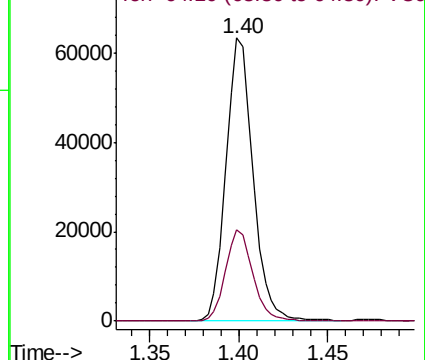
62 100

64 32.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.099 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU035161.D

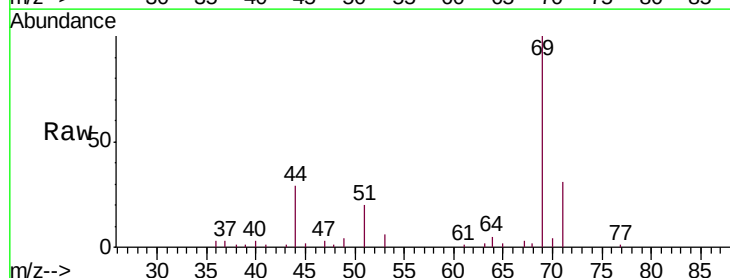
Acq: 14 Oct 2019 19:48

Tgt Ion: 64 Resp: 938

Ion Ratio Lower Upper

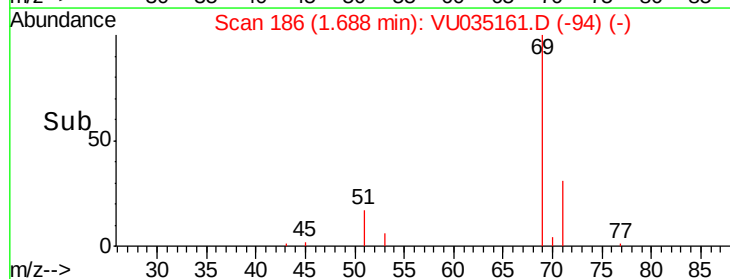
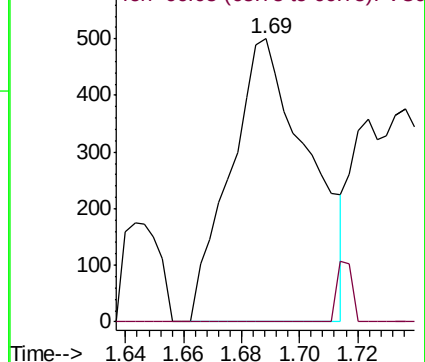
64 100

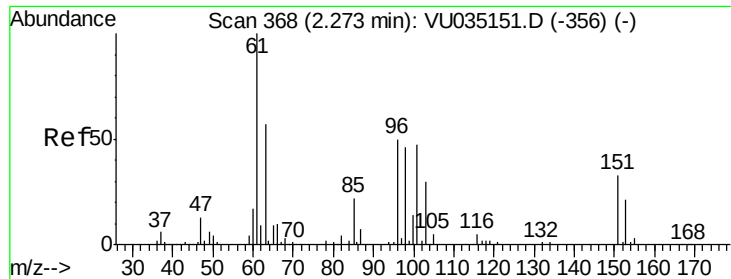
66 0.0 23.2 43.2#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

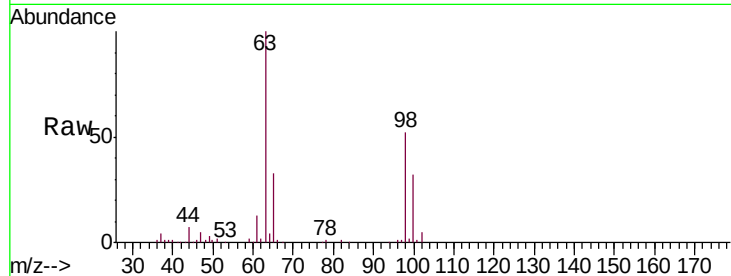




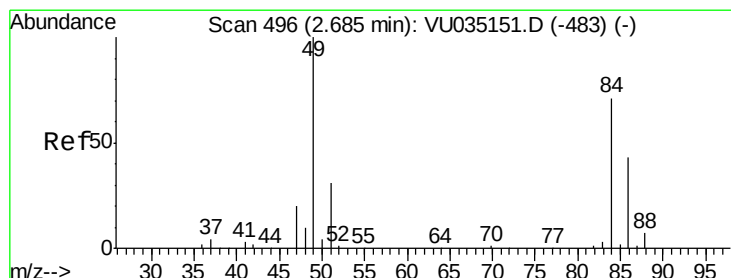
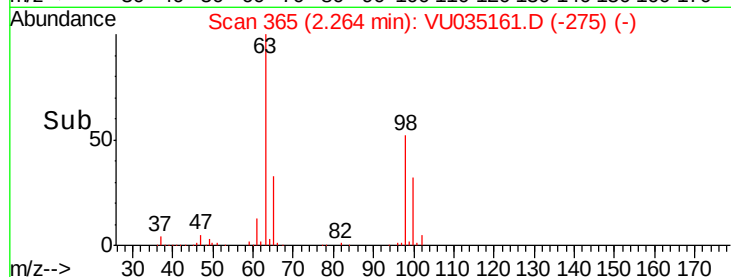
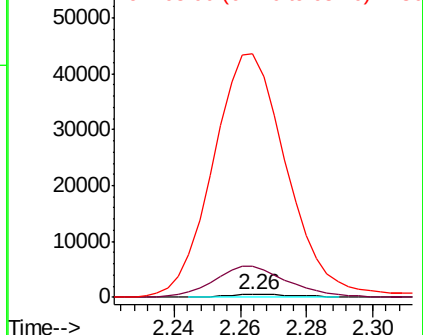
#12
 1,1-Dichloroethene
 Concen: 0.069 ug/L
 RT: 2.26 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VU035161.D
 Acq: 14 Oct 2019 19:48

Instrument :
 MSVOA_U
 ClientSampleId :
 OU2-MD-2-001-01DL

Tgt Ion: 96 Resp: 704
 Ion Ratio Lower Upper
 96 100
 61 1197.6 129.3 240.1#
 63 9488.5 108.9 202.3#

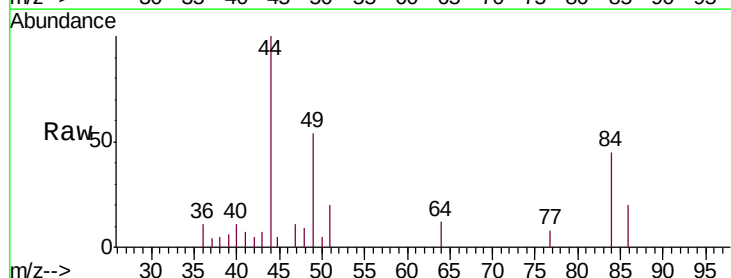


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

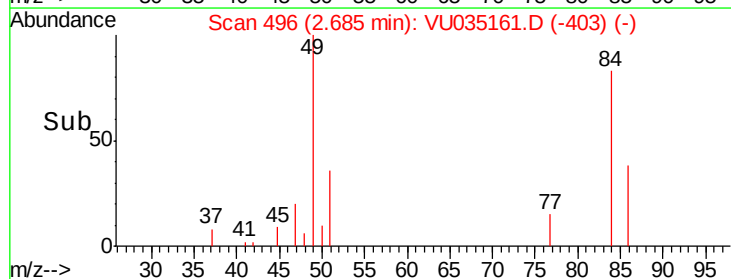
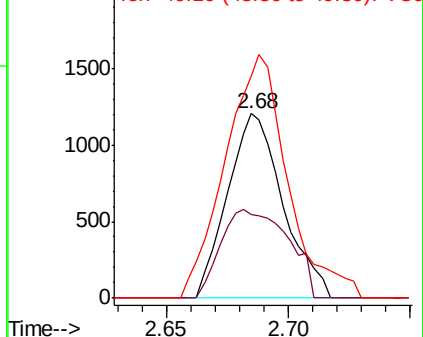


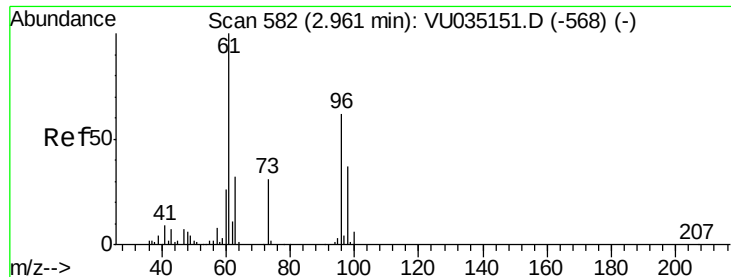
#16
 Methylene chloride
 Concen: 0.149 ug/L
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU035161.D
 Acq: 14 Oct 2019 19:48

Tgt Ion: 84 Resp: 1898
 Ion Ratio Lower Upper
 84 100
 86 45.4 42.5 78.9
 49 120.3 86.9 161.3



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





#18

trans-1,2-Dichloroethene

Concen: 0.224 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU035161.D

Acq: 14 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

OU2-MD-2-001-01DL

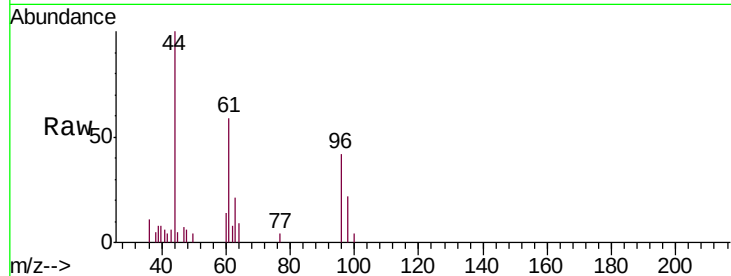
Tgt Ion: 96 Resp: 2465

Ion Ratio Lower Upper

96 100

61 139.2 107.1 198.9

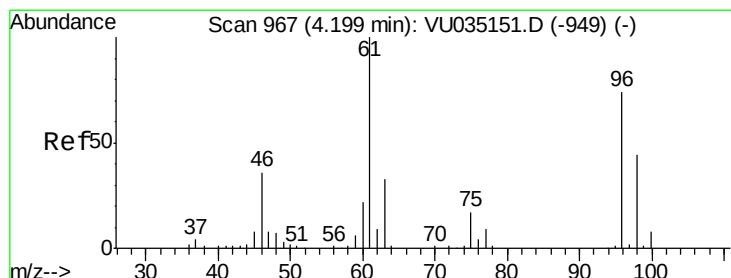
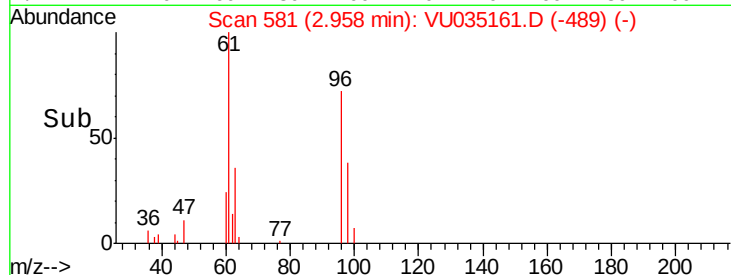
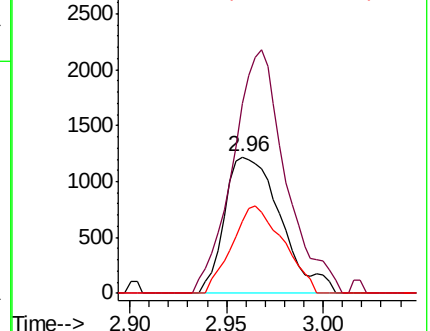
98 53.2 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035161.D (-568) (-)

Ion 61.05 (60.75 to 61.75): VU035161.D (-568) (-)

Ion 97.95 (97.65 to 98.65): VU035161.D (-568) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.755 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035161.D

Acq: 14 Oct 2019 19:48

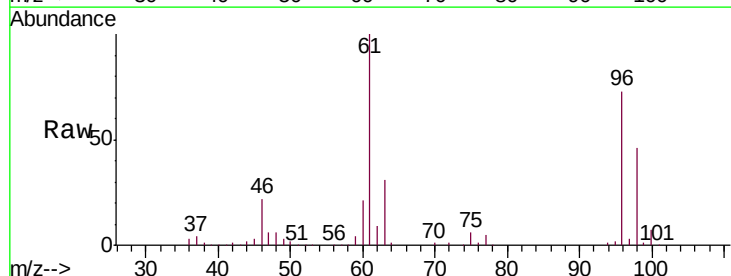
Tgt Ion: 96 Resp: 144051

Ion Ratio Lower Upper

96 100

61 137.4 89.2 165.6

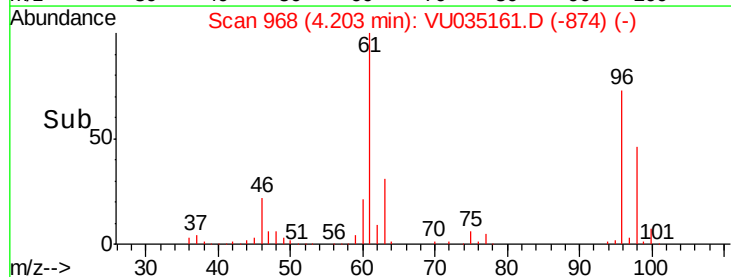
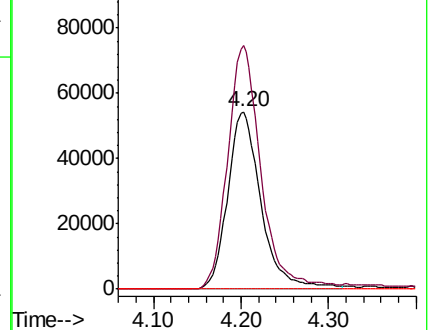
68 0.0 0.0 0.0

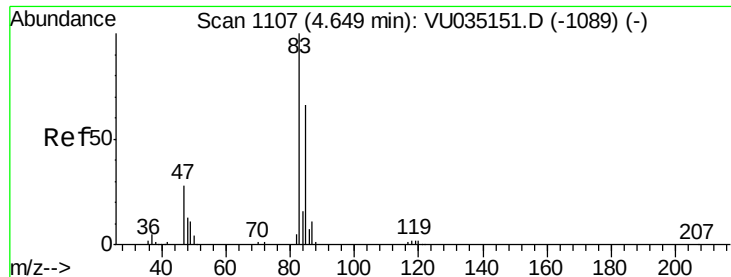


Abundance Ion 96.00 (95.70 to 96.70): VU035161.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU035161.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU035161.D (-949) (-)

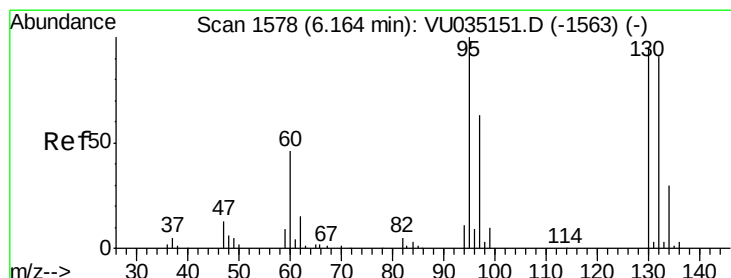
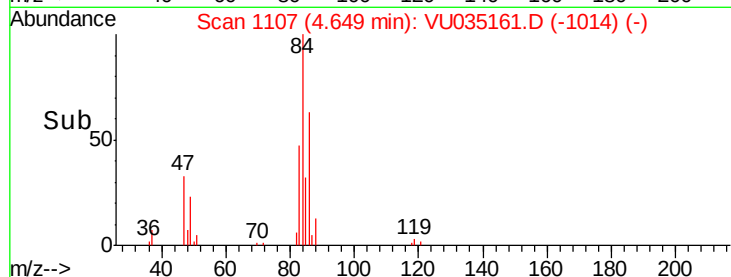
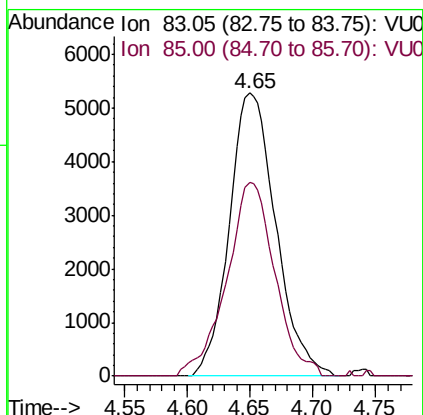
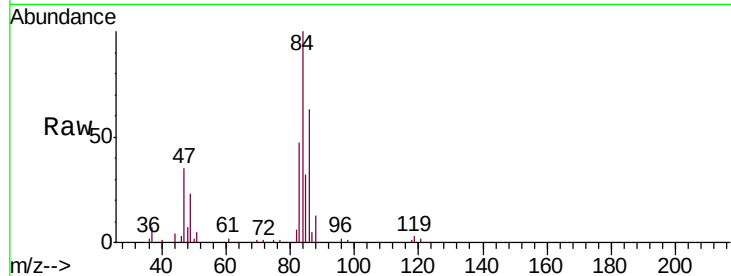




#25
Chloroform
Concen: 0.554 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035161.D
Acq: 14 Oct 2019 19:48

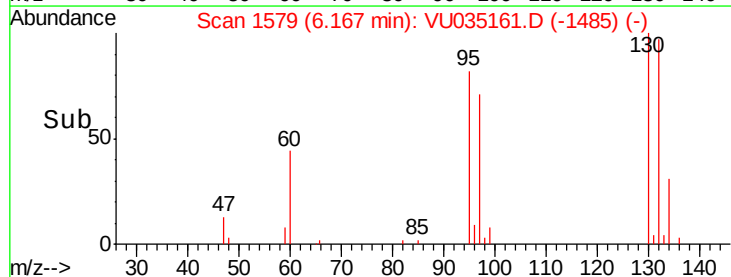
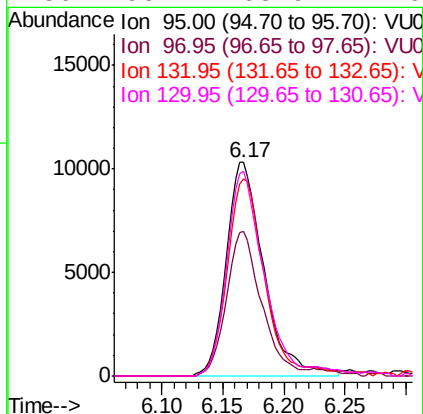
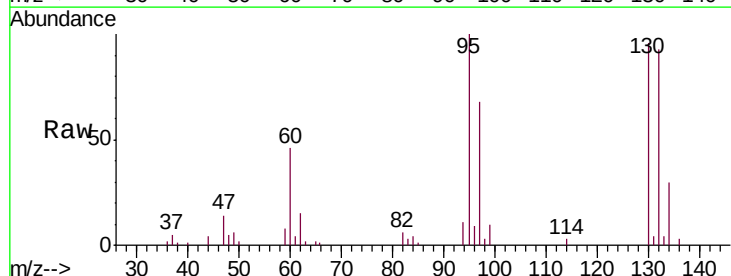
Instrument :
MSVOA_U
ClientSampleId :
OU2-MD-2-001-01DL

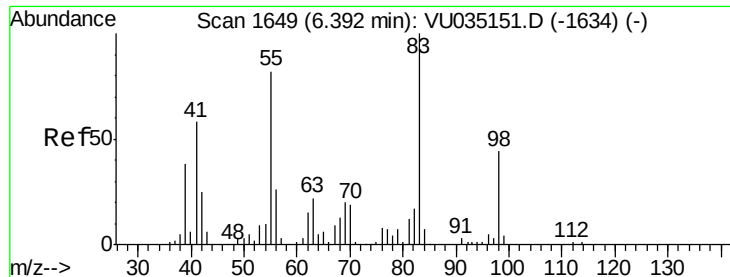
Tgt Ion: 83 Resp: 13590
Ion Ratio Lower Upper
83 100
85 68.5 45.4 84.4



#34
Trichloroethene
Concen: 1.681 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU035161.D
Acq: 14 Oct 2019 19:48

Tgt Ion: 95 Resp: 22264
Ion Ratio Lower Upper
95 100
97 67.9 44.5 82.7
132 92.6 66.6 123.8
130 95.7 68.9 127.9





#35

Methylcyclohexane

Concen: 0.653 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035161.D

Acq: 14 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

OU2-MD-2-001-01DL

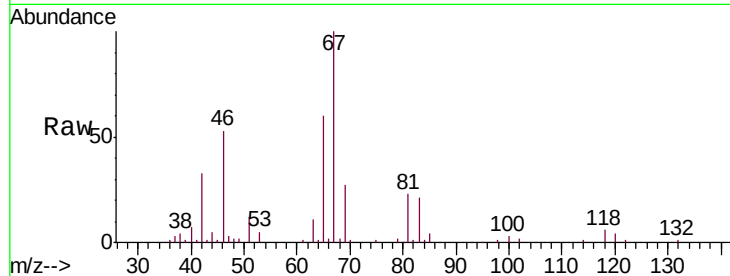
Tgt Ion: 83 Resp: 14003

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 1.6 36.2 54.2#

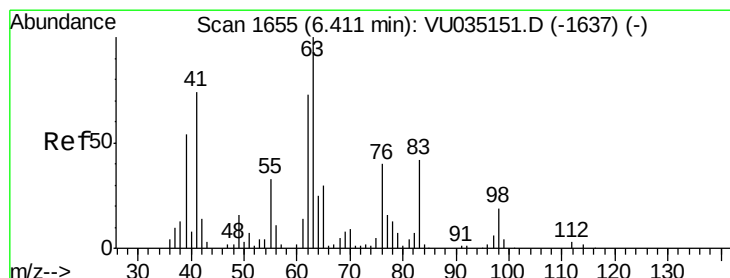
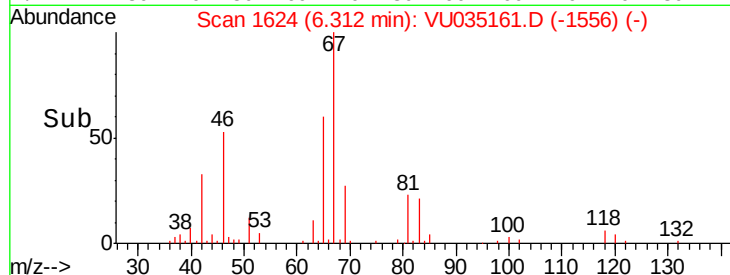


Abundance Ion 83.15 (82.85 to 83.85): VU035161.D (-1624) (-)

Ion 55.10 (54.80 to 55.80): VU035161.D (-1624) (-)

Ion 98.15 (97.85 to 98.85): VU035161.D (-1624) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 0.521 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035161.D

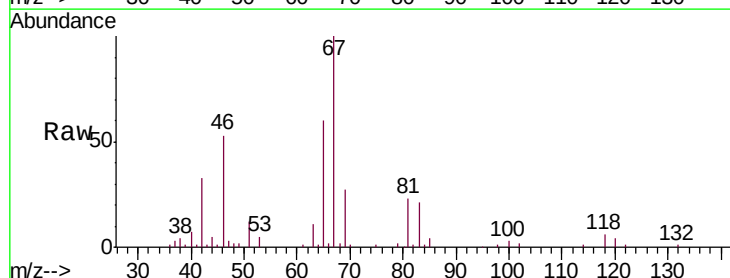
Acq: 14 Oct 2019 19:48

Tgt Ion: 63 Resp: 7222

Ion Ratio Lower Upper

63 100

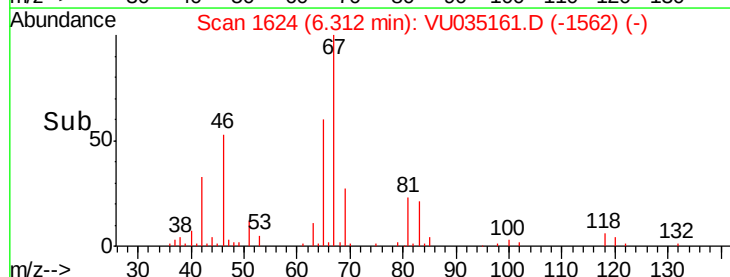
112 0.0 3.1 4.7#

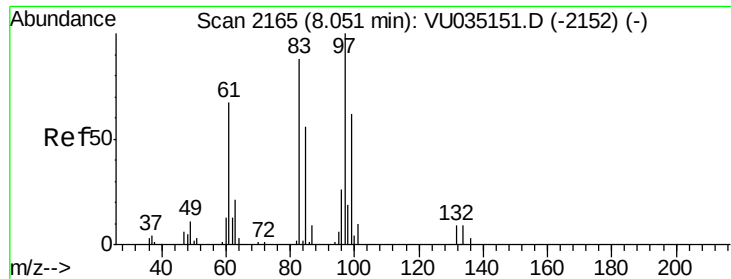


Abundance Ion 63.10 (62.80 to 63.80): VU035161.D (-1624) (-)

Ion 112.10 (111.80 to 112.80): VU035161.D (-1624) (-)

Time-->

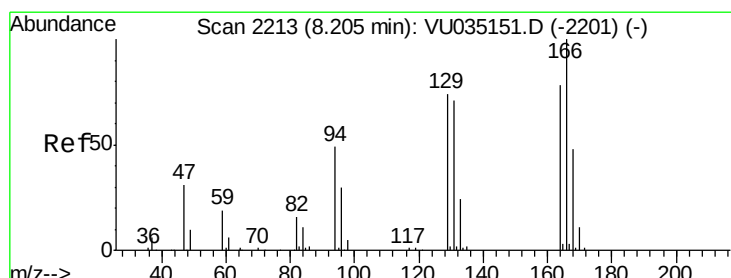
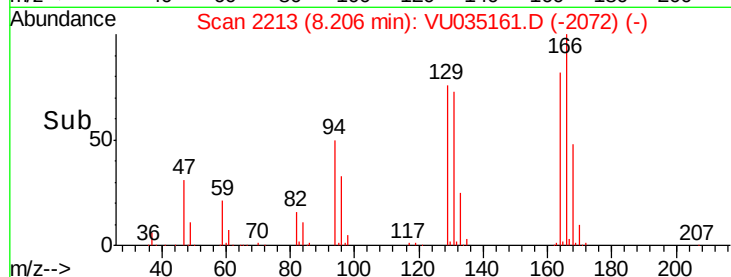
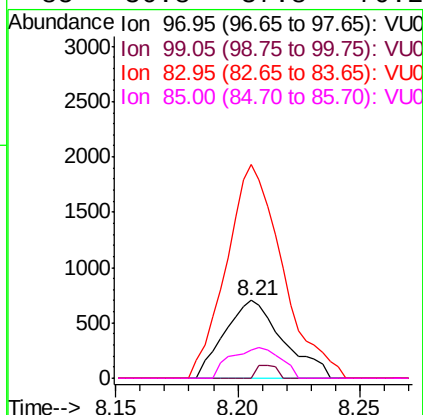
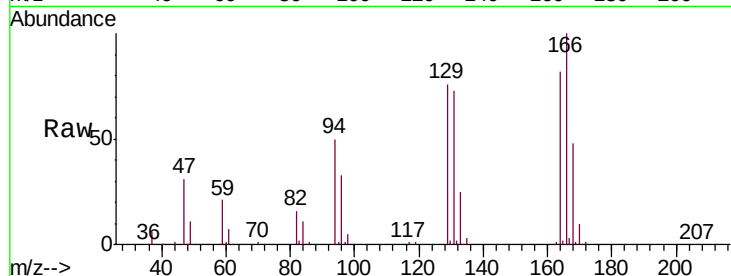




#45
 1,1,2-Trichloroethane
 Concen: 0.127 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.15 min
 Lab File: VU035161.D
 Acq: 14 Oct 2019 19:48

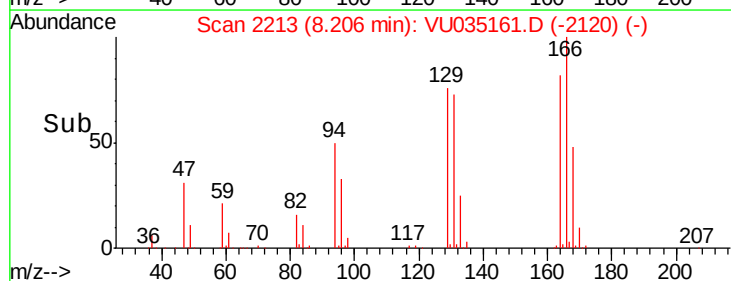
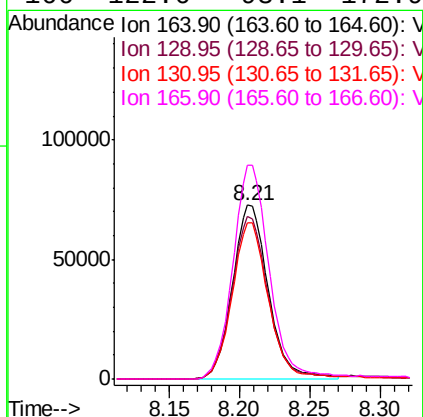
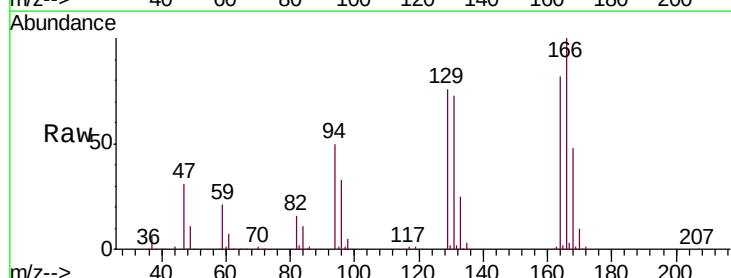
Instrument :
 MSVOA_U
 ClientSampleId :
 OU2-MD-2-001-01DL

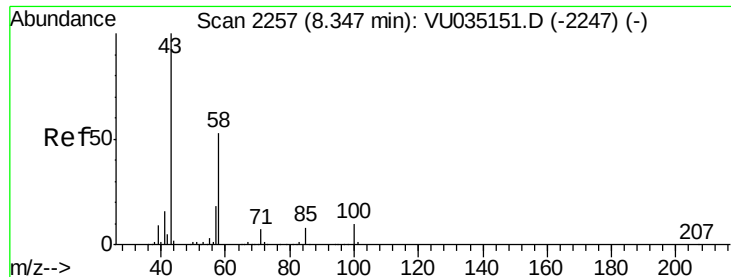
Tgt Ion: 97 Resp: 1168
 Ion Ratio Lower Upper
 97 100
 99 0.0 42.3 78.5#
 83 275.3 58.0 107.6#
 85 36.8 37.8 70.2#



#47
 Tetrachloroethene
 Concen: 12.073 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU035161.D
 Acq: 14 Oct 2019 19:48

Tgt Ion: 164 Resp: 129410
 Ion Ratio Lower Upper
 164 100
 129 93.2 68.5 127.1
 131 89.7 67.3 124.9
 166 122.6 93.1 172.9

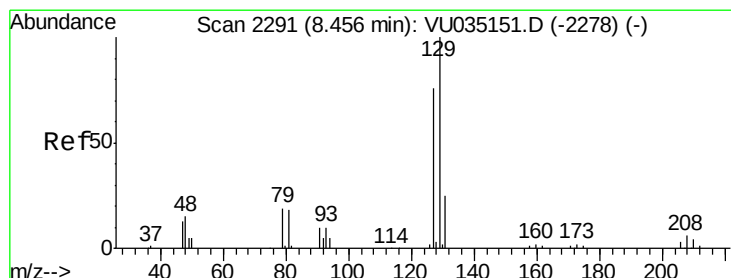
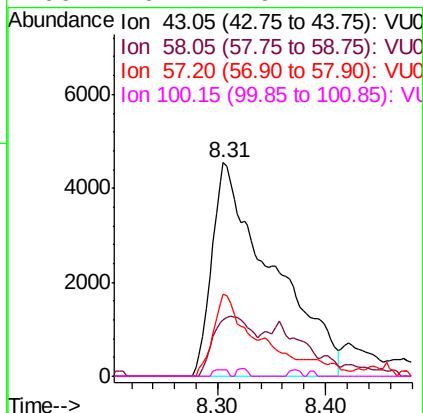
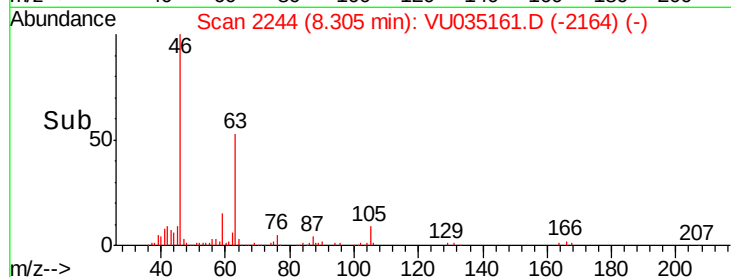
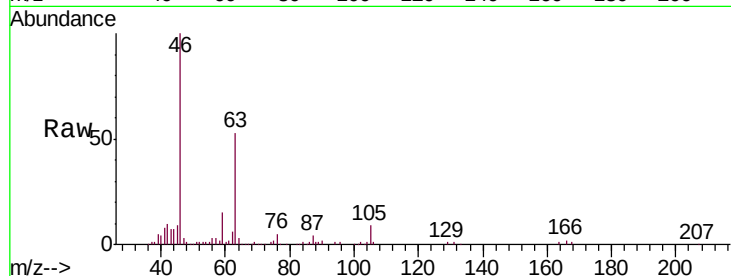




#48
2-Hexanone
Concen: 2.927 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.04 min
Lab File: VU035161.D
Acq: 14 Oct 2019 19:48

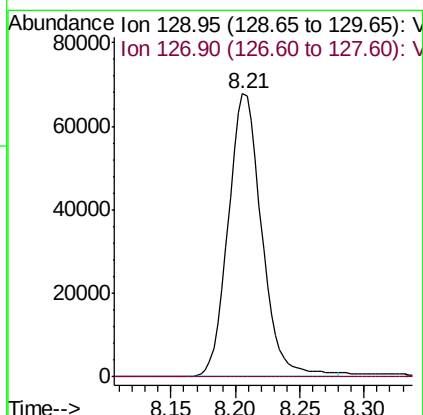
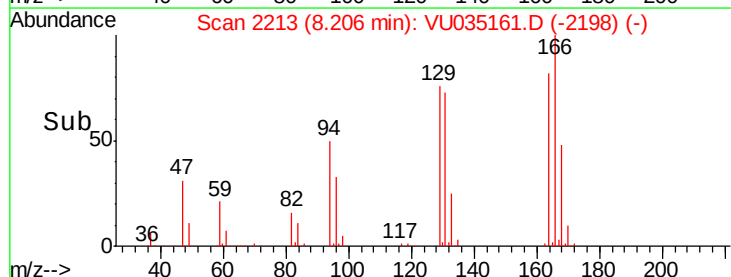
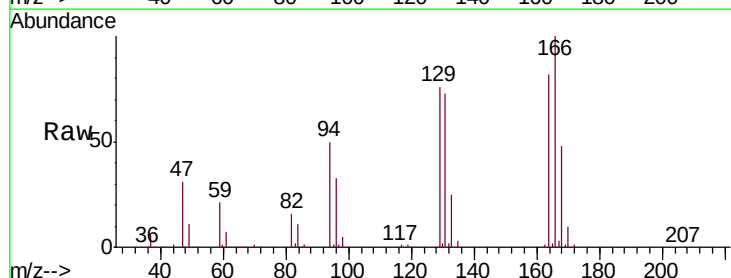
Instrument :
MSVOA_U
ClientSampleId :
OU2-MD-2-001-01DL

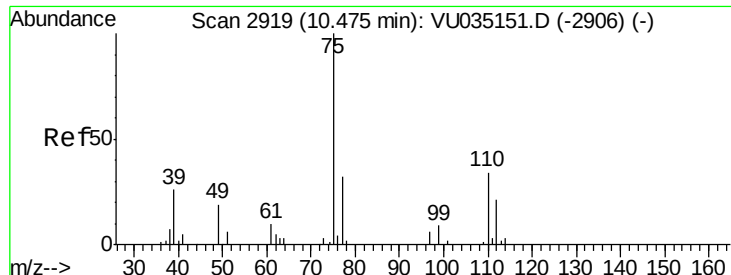
Tgt Ion:	43	Resp:	17495
Ion	Ratio	Lower	Upper
43	100		
58	0.0	44.1	66.1#
57	19.9	15.8	23.8
100	0.7	9.4	14.2#



#49
Dibromochloromethane
Concen: 11.548 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU035161.D
Acq: 14 Oct 2019 19:48

Tgt Ion:	129	Resp:	122756
Ion	Ratio	Lower	Upper
129	100		
127	0.0	51.9	96.5#





#59

1,2,3-Trichloropropane

Concen: 0.861 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU035161.D

Acq: 14 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

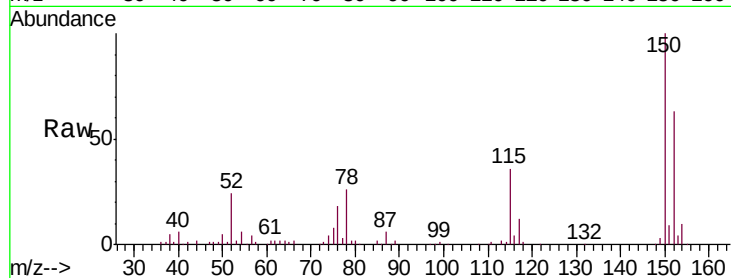
OU2-MD-2-001-01DL

Tgt Ion: 75 Resp: 7717

Ion Ratio Lower Upper

75 100

77 34.0 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

