

Data File : VU028165.D
Acq On : 15 Nov 2018 11:45
Operator : MD/SY
Sample : J5943-12DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FL1DL

Quant Time: Nov 16 00:47:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	130240	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	123435	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	56171	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44674	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.68	69	37756	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.28	63	64752	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.19	46	163765	52.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.50%
24) Chloroform-d	4.65	84	81018	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.31	65	47153	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.34	84	162899	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.33	67	60297	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.57	98	142245	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.85	79	18238	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.31	63	123871	47.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41367	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	48938	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.41	62	145800	10.451 ug/L	99
12) 1,1-Dichloroethene	2.29	96	1155	0.133 ug/L #	1
13) Acetone	2.32	43	1795	0.850 ug/L	65
16) Methylene chloride	2.70	84	3438	0.336 ug/L	92
18) trans-1,2-Dichloroethene	2.99	96	13749	1.493 ug/L	95
19) 1,1-Dichloroethane	3.45	63	27052	1.397 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	63761	6.281 ug/L	97
25) Chloroform	4.68	83	22337	1.286 ug/L	97
33) Benzene	5.39	78	5061	0.122 ug/L	100
34) Trichloroethene	6.19	95	1528	0.149 ug/L	92
35) Methylcyclohexane	6.33	83	12385	0.701 ug/L #	16
37) 1,2-Dichloropropane	6.33	63	5864	0.510 ug/L #	92
38) Bromodichloromethane	6.76	83	2459	0.201 ug/L #	83
39) cis-1,3-Dichloropropene	7.23	75	1319	0.085 ug/L #	35
48) 2-Hexanone	8.36	43	2319	0.412 ug/L #	71
59) 1,2,3-Trichloropropane	11.48	75	8212	1.271 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111518\
Quantitation Report (Not Reviewed)

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QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

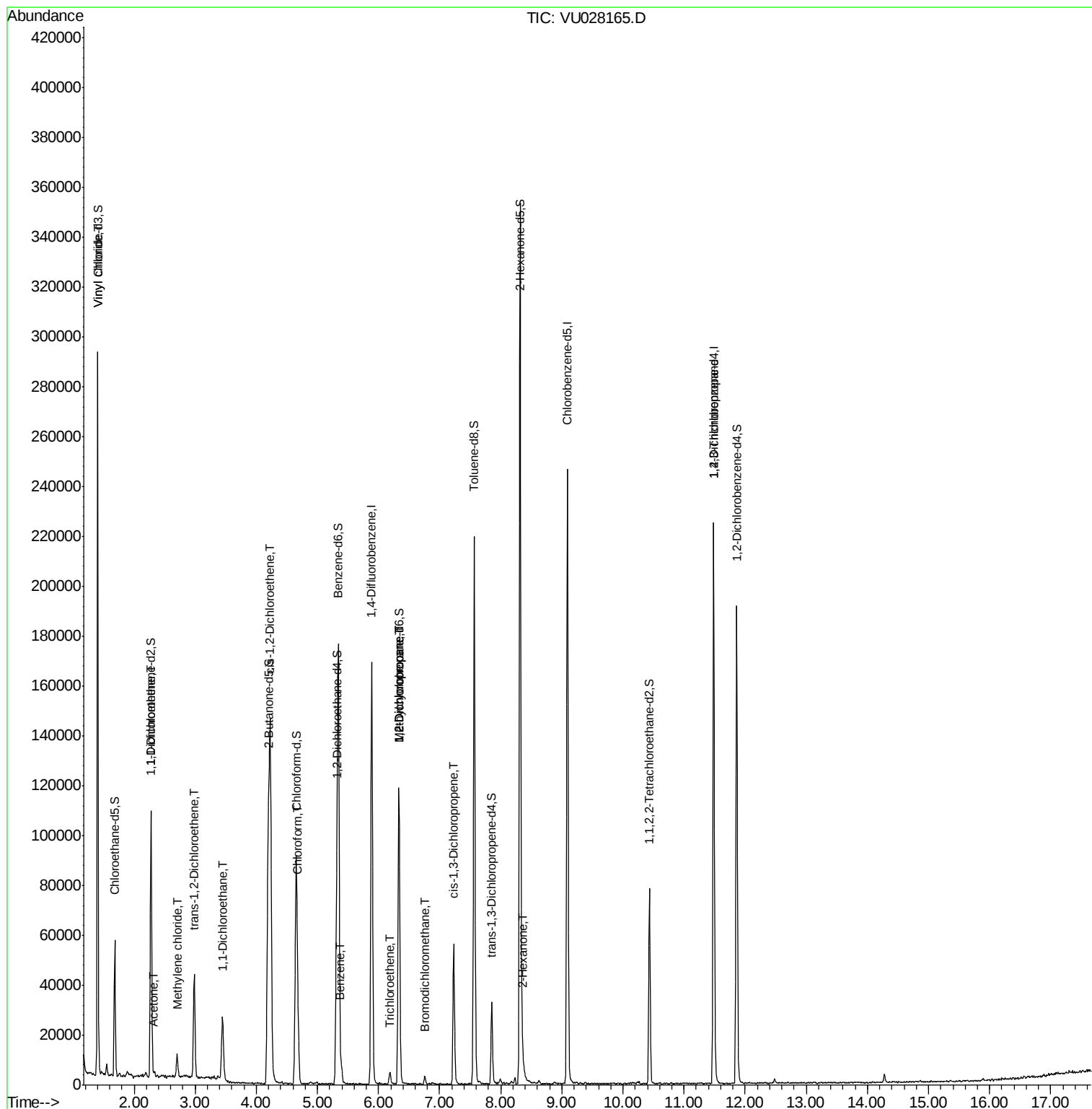
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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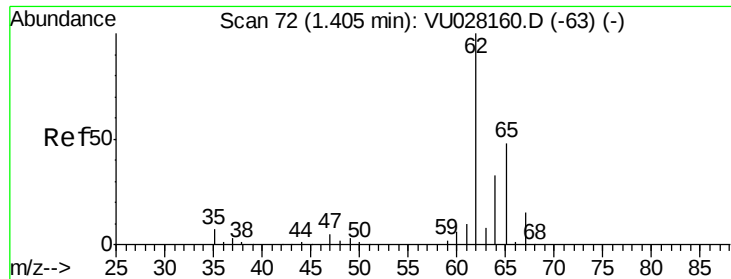
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 10.451 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028165.D

Acq: 15 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

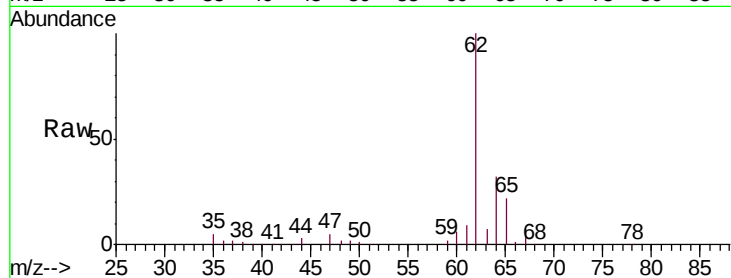
H0FL1DL

Tgt Ion: 62 Resp: 145800

Ion Ratio Lower Upper

62 100

64 31.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.41

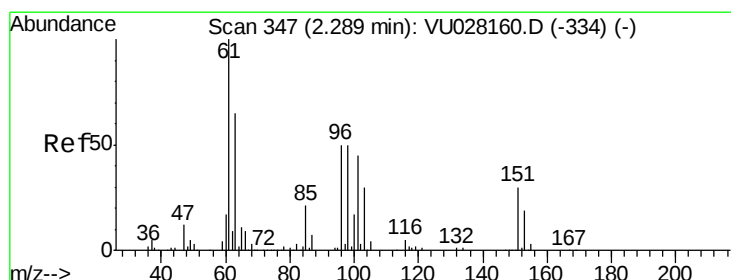
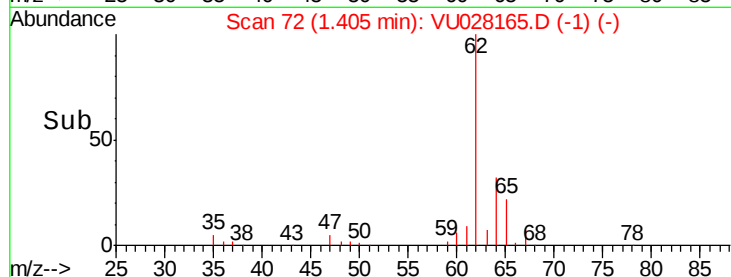
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.133 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028165.D

Acq: 15 Nov 2018 11:45

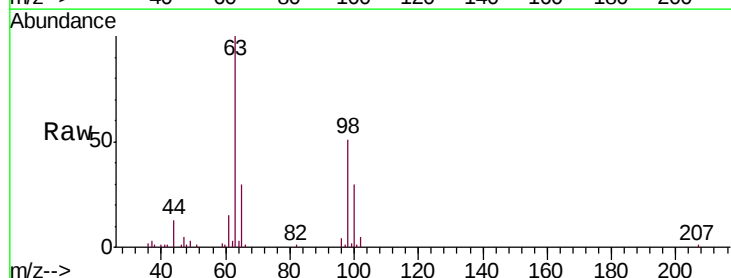
Tgt Ion: 96 Resp: 1155

Ion Ratio Lower Upper

96 100

61 402.3 134.8 250.3#

63 2625.0 100.1 185.9#



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

50000

40000

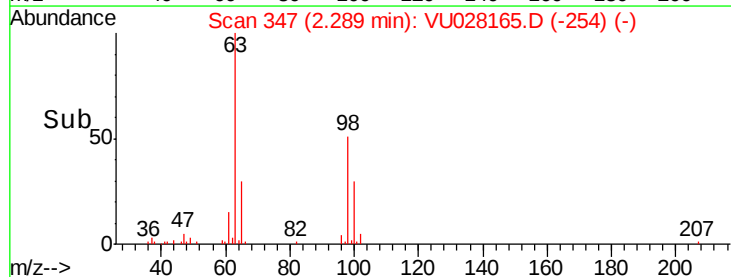
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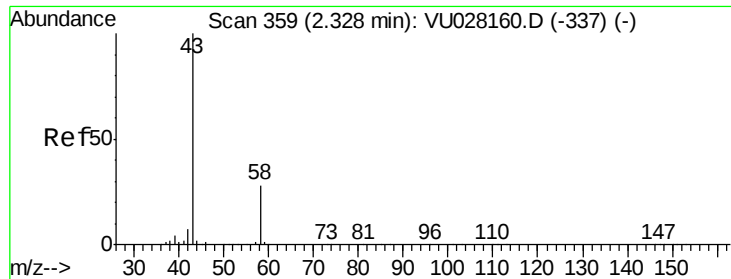
20000

10000

0

Time-->





#13

Acetone

Concen: 0.850 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028165.D

Acq: 15 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

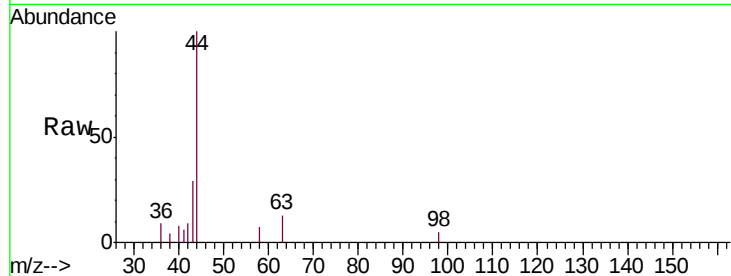
H0FL1DL

Tgt Ion: 43 Resp: 1795

Ion Ratio Lower Upper

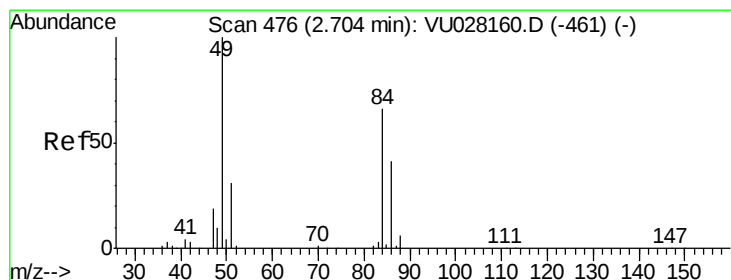
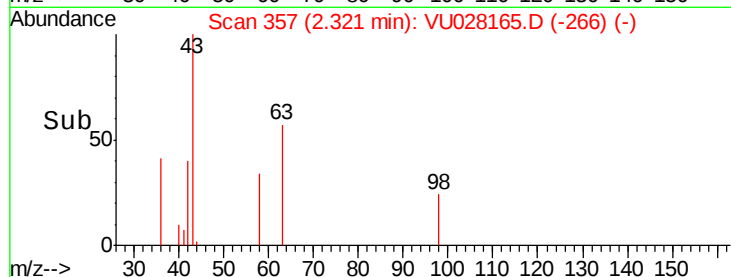
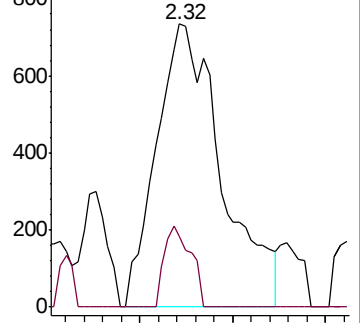
43 100

58 11.7 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.336 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028165.D

Acq: 15 Nov 2018 11:45

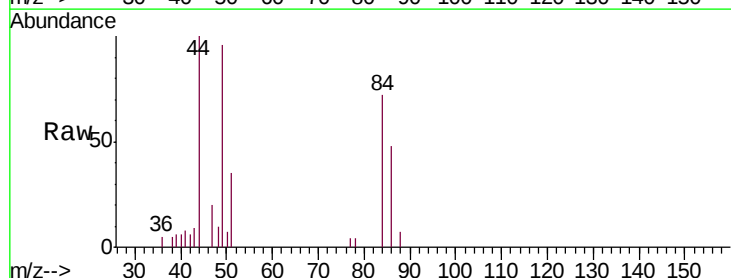
Tgt Ion: 84 Resp: 3438

Ion Ratio Lower Upper

84 100

86 66.5 44.6 82.8

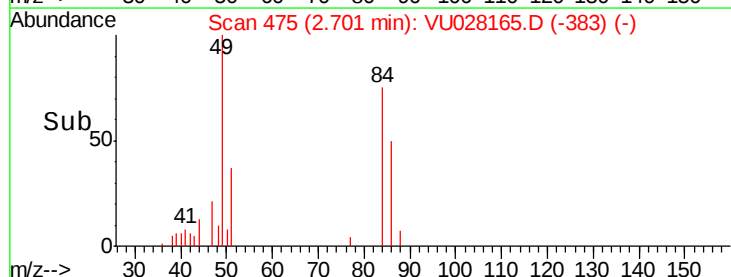
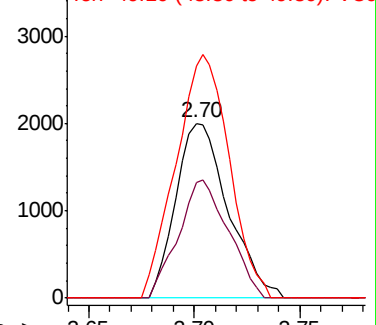
49 133.2 102.5 190.3

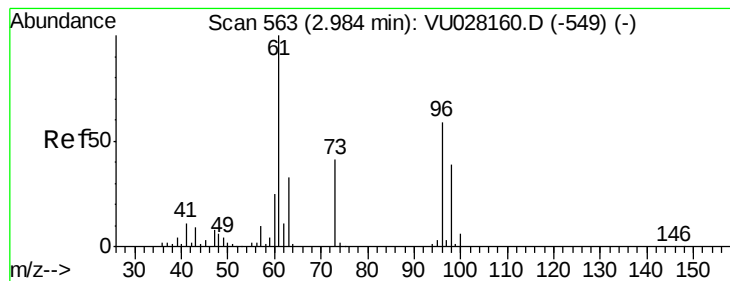


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 1.493 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028165.D

Acq: 15 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

H0FL1DL

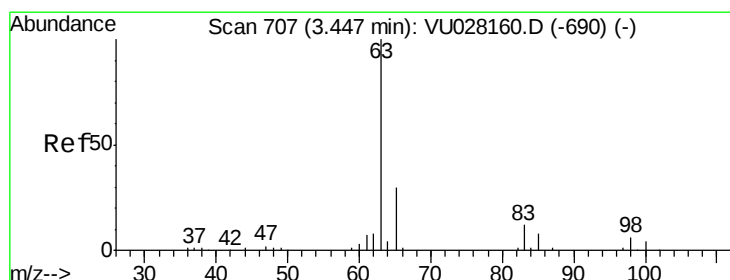
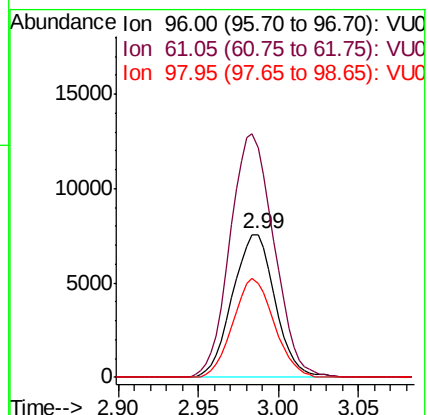
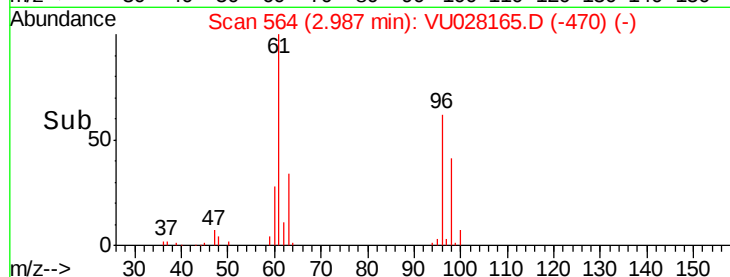
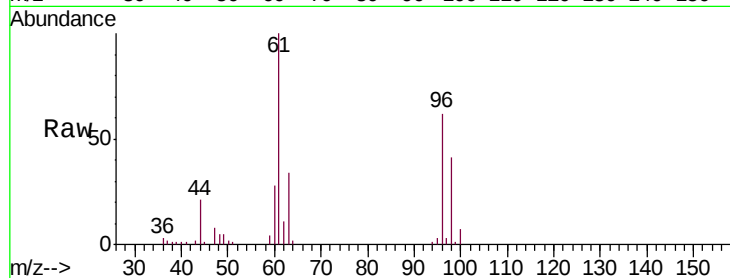
Tgt Ion: 96 Resp: 13749

Ion Ratio Lower Upper

96 100

61 161.1 118.5 220.1

98 65.9 44.9 83.5



#19

1,1-Dichloroethane

Concen: 1.397 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028165.D

Acq: 15 Nov 2018 11:45

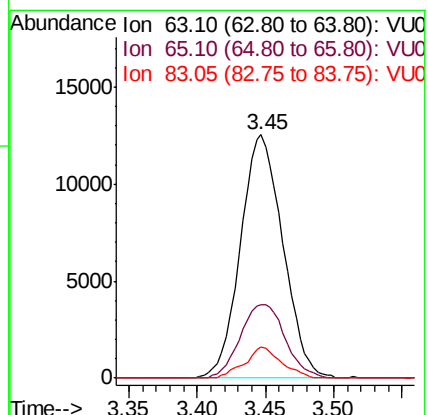
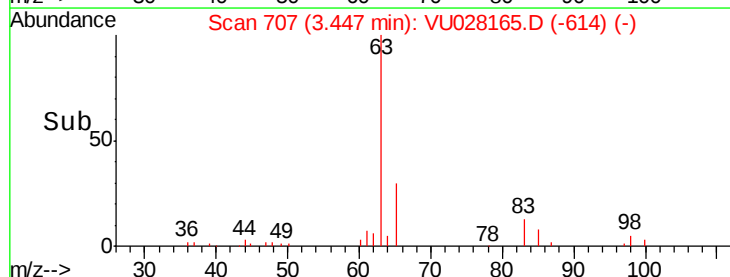
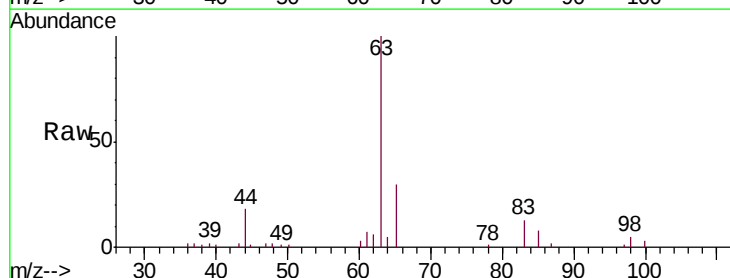
Tgt Ion: 63 Resp: 27052

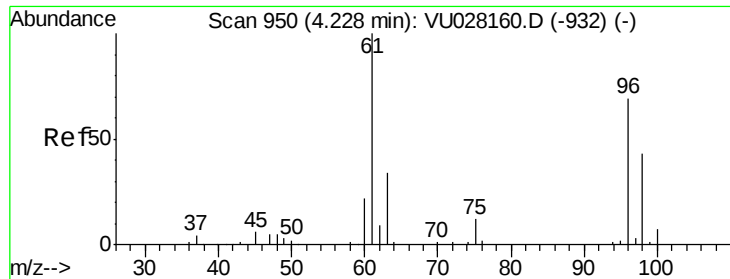
Ion Ratio Lower Upper

63 100

65 30.4 22.2 41.2

83 12.9 8.9 16.5

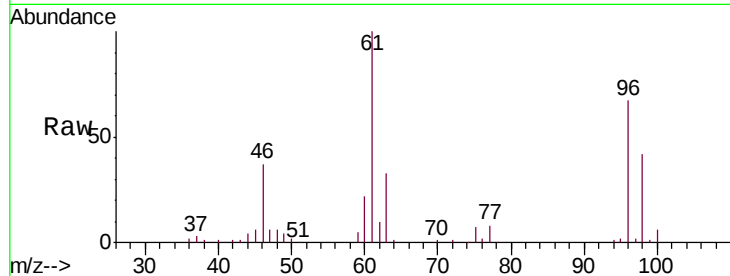




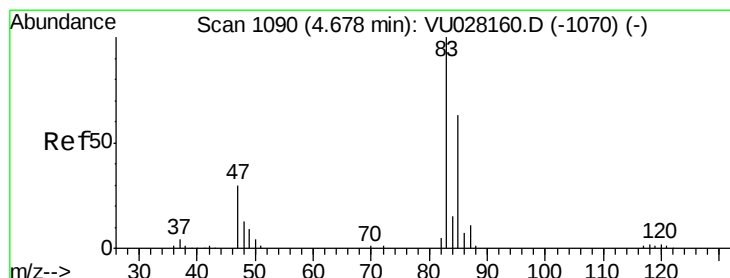
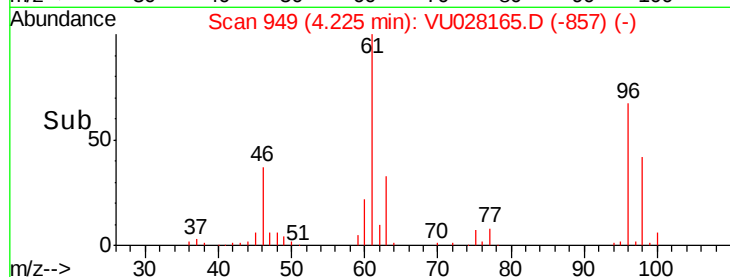
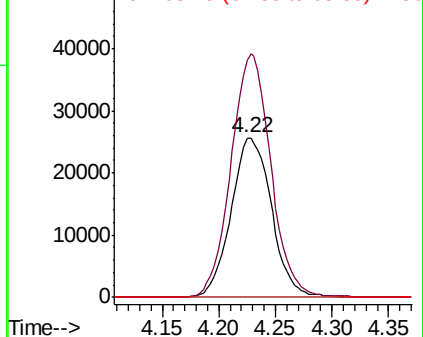
#22
 cis-1,2-Dichloroethene
 Concen: 6.281 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028165.D
 Acq: 15 Nov 2018 11:45

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FL1DL

Tgt Ion: 96 Resp: 63761
 Ion Ratio Lower Upper
 96 100
 61 148.8 101.8 189.0
 68 0.0 0.0 0.0

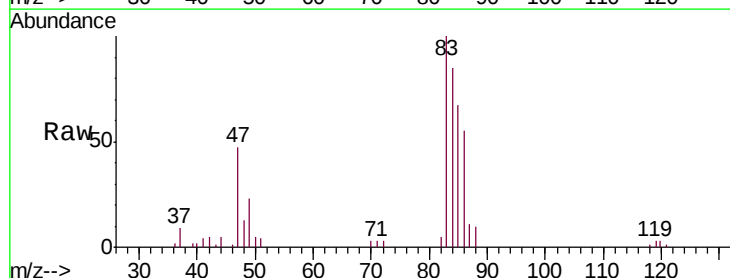


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

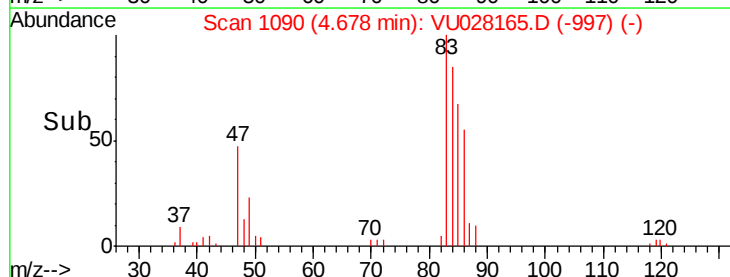
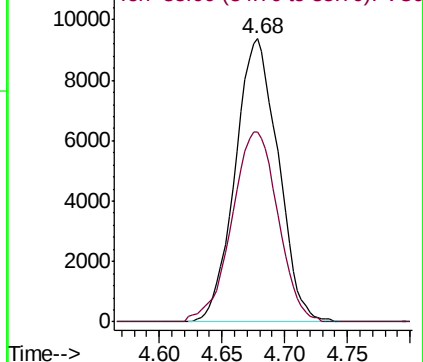


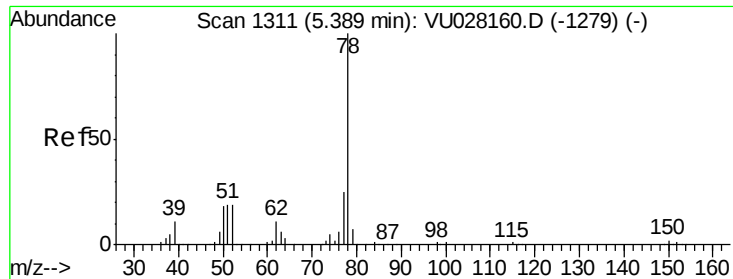
#25
 Chloroform
 Concen: 1.286 ug/L
 RT: 4.68 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VU028165.D
 Acq: 15 Nov 2018 11:45

Tgt Ion: 83 Resp: 22337
 Ion Ratio Lower Upper
 83 100
 85 67.0 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.122 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028165.D

Acq: 15 Nov 2018 11:45

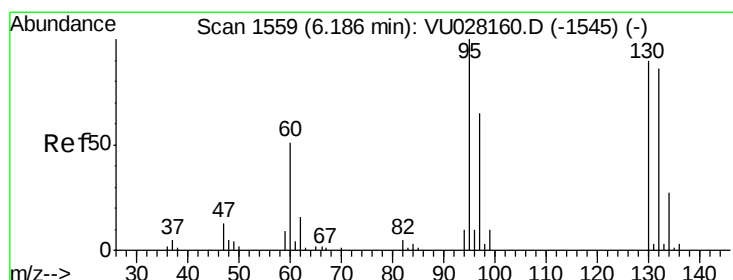
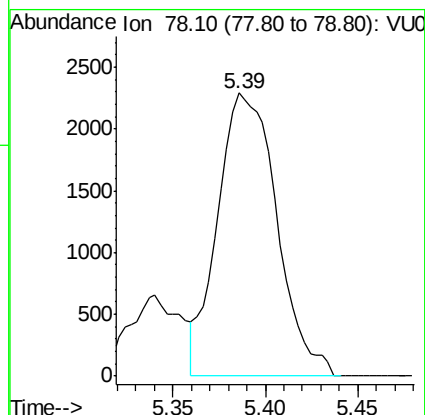
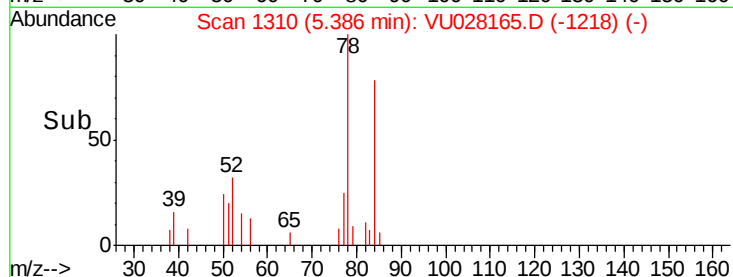
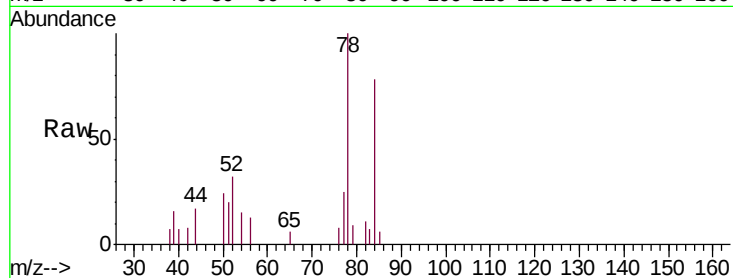
Instrument :

MSVOA_U

ClientSampleId :

H0FL1DL

Tgt Ion: 78 Resp: 5061



#34

Trichloroethene

Concen: 0.149 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028165.D

Acq: 15 Nov 2018 11:45

Tgt Ion: 95 Resp: 1528

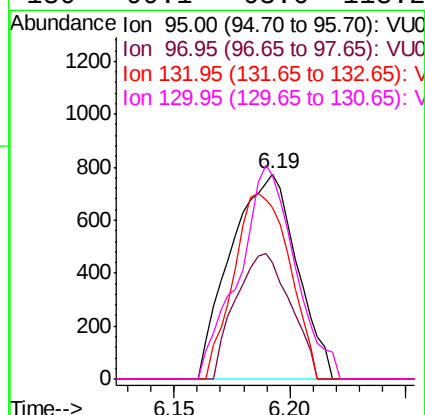
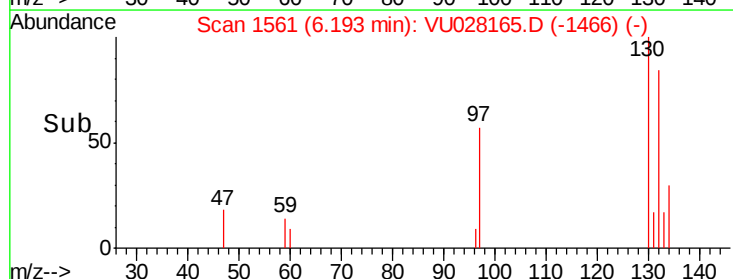
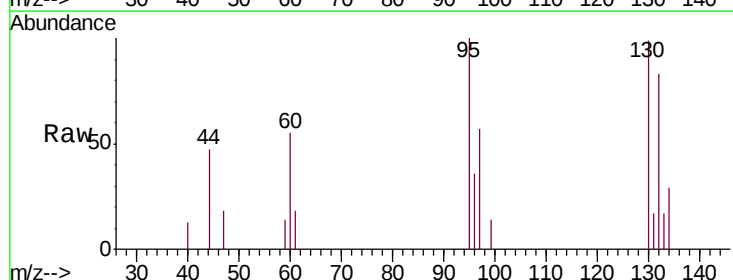
Ion	Ratio	Lower	Upper
95	100		
97	56.5	45.3	84.1
132	83.5	63.0	117.0
130	99.1	63.6	118.2

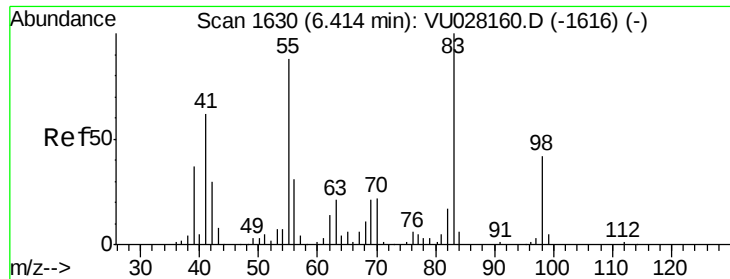
Ion 95 100

Ion 97 56.5 45.3 84.1

Ion 132 83.5 63.0 117.0

Ion 130 99.1 63.6 118.2

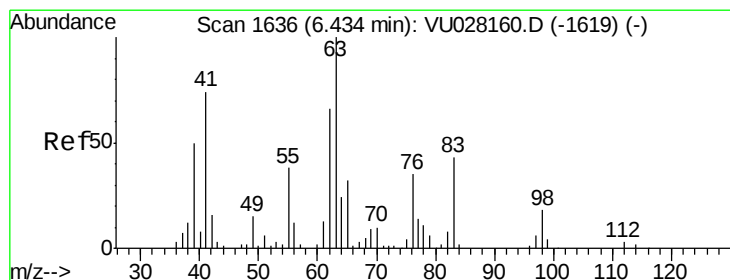
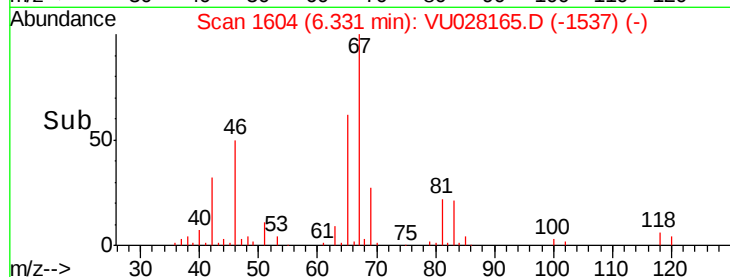
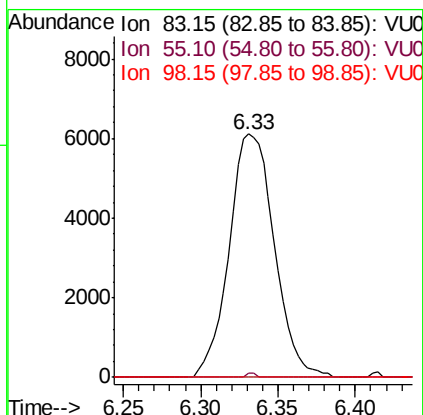
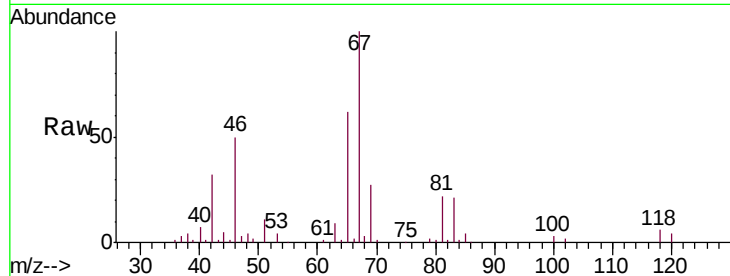




#35
Methylcyclohexane
Concen: 0.701 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028165.D
Acq: 15 Nov 2018 11:45

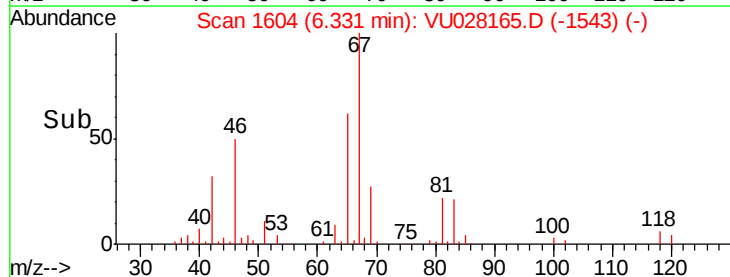
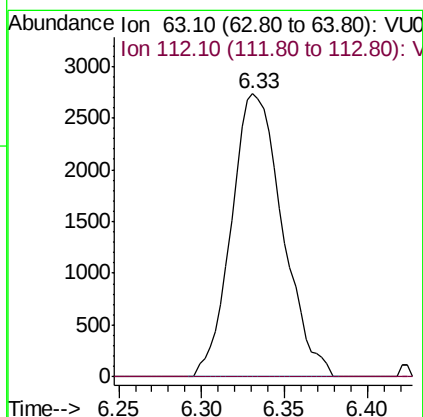
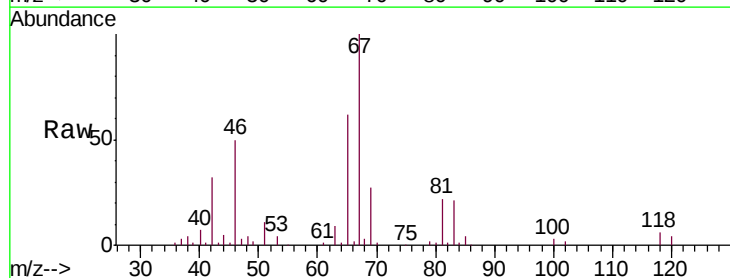
Instrument :
MSVOA_U
ClientSampleId :
H0FL1DL

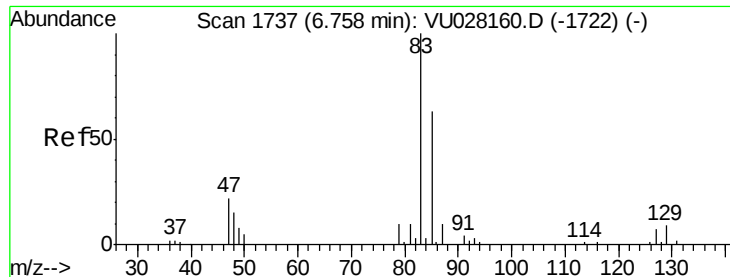
Tgt Ion: 83 Resp: 12385
Ion Ratio Lower Upper
83 100
55 0.3 69.0 103.4#
98 1.2 33.3 49.9#



#37
1,2-Dichloropropane
Concen: 0.510 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU028165.D
Acq: 15 Nov 2018 11:45

Tgt Ion: 63 Resp: 5864
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.4#

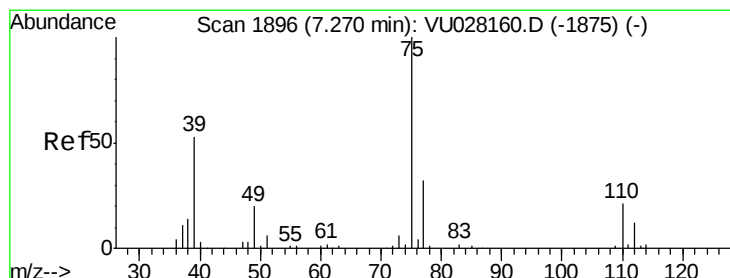
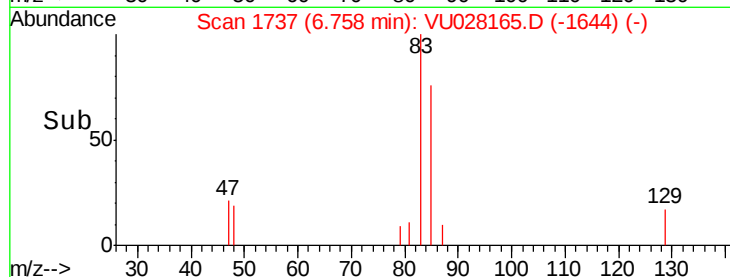
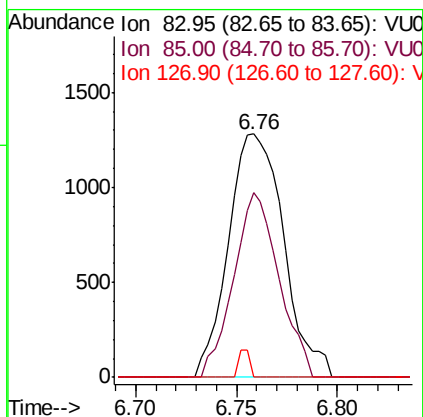
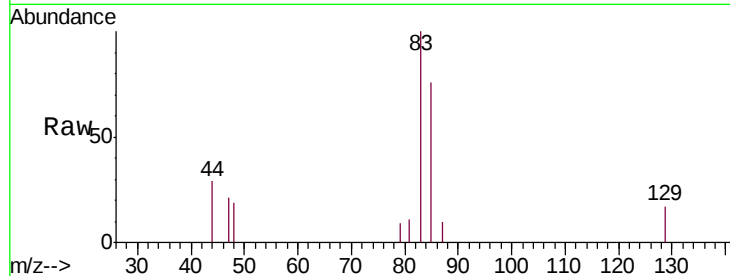




#38
 Bromodichloromethane
 Concen: 0.201 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU028165.D
 Acq: 15 Nov 2018 11:45

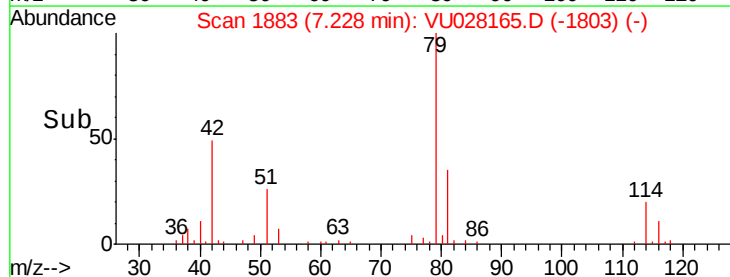
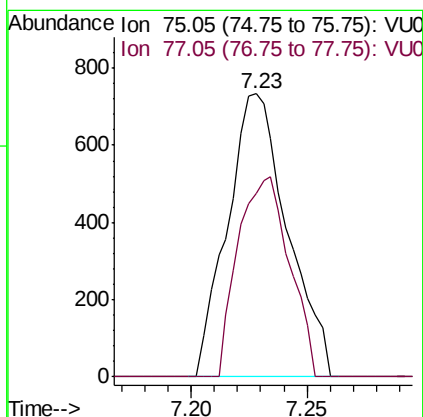
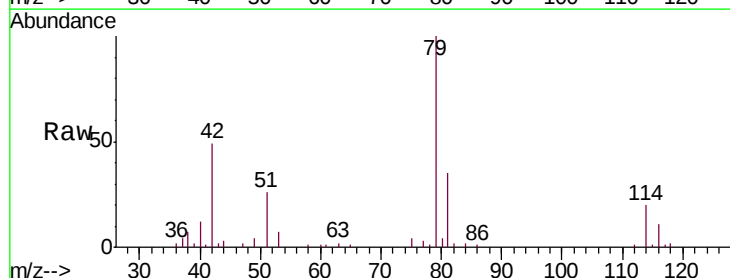
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FL1DL

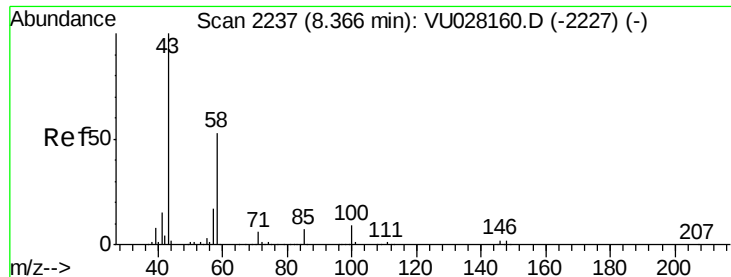
Tgt Ion: 83 Resp: 2459
 Ion Ratio Lower Upper
 83 100
 85 75.8 44.5 82.7
 127 0.0 6.8 10.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028165.D
 Acq: 15 Nov 2018 11:45

Tgt Ion: 75 Resp: 1319
 Ion Ratio Lower Upper
 75 100
 77 65.1 20.9 38.9#

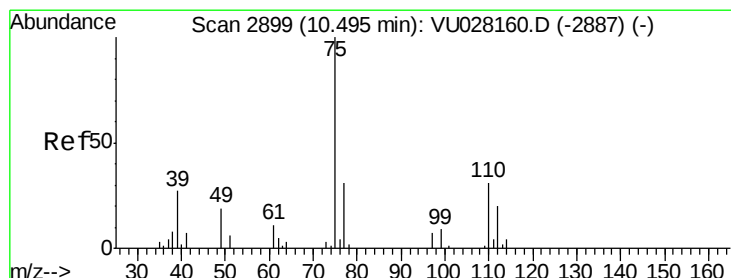
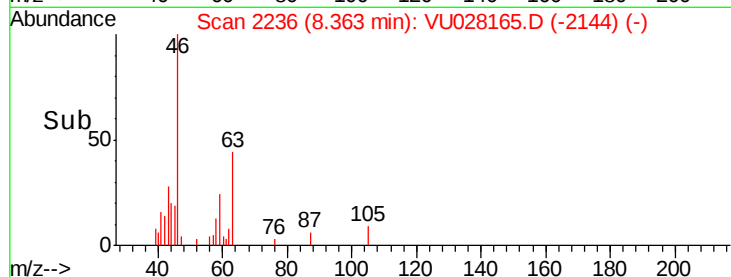
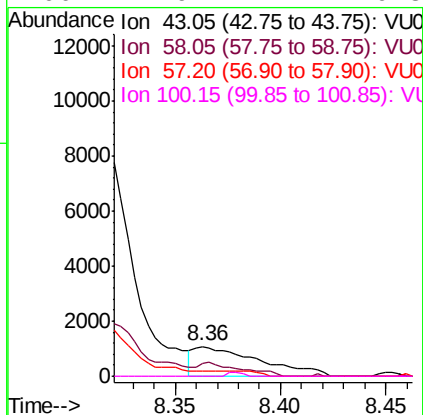
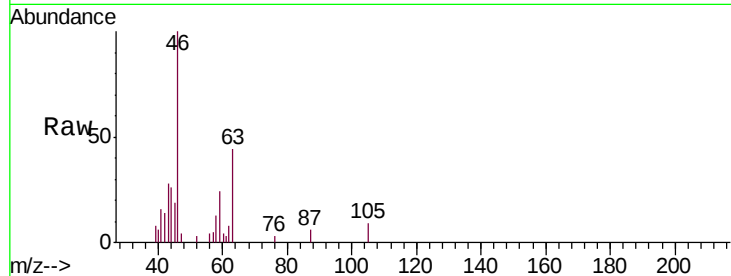




#48
2-Hexanone
Concen: 0.412 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028165.D
Acq: 15 Nov 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :
H0FL1DL

Tgt Ion:	43	Resp:	2319
Ion	Ratio	Lower	Upper
43	100		
58	32.3	41.7	62.5#
57	0.0	14.0	21.0#
100	2.9	7.2	10.8#



#59
1,2,3-Trichloropropane
Concen: 1.271 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU028165.D
Acq: 15 Nov 2018 11:45

Tgt Ion:	75	Resp:	8212
Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.4	38.0

