

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111618\
 Data File : VU028214.D
 Acq On : 17 Nov 2018 04:04
 Operator : MD/SY
 Sample : J5986-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:27:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 17 03:46:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	157233	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	154402	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69160	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70072	5.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.40%
7) Chloroethane-d5	1.68	69	52241	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.28	63	95933	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.20	46	223593	59.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.18%
24) Chloroform-d	4.65	84	104931	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.31	65	65849	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.34	84	226256	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.33	67	82626	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.57	98	196975	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	25181	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.31	63	162705	50.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57613	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	67727	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	866497	51.450	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	774	0.075	ug/L #	34
12) 1,1-Dichloroethene	2.29	96	2813	0.269	ug/L #	1
13) Acetone	2.31	43	13115	5.146	ug/L	50
17) Methyl tert-butyl Ether	3.01	73	383100	13.107	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	81252	7.310	ug/L	96
19) 1,1-Dichloroethane	3.44	63	21155	0.905	ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	1104973	90.166	ug/L	96
25) Chloroform	4.68	83	3112	0.148	ug/L	92
30) Cyclohexane	5.00	56	1662	0.068	ug/L #	91
33) Benzene	5.39	78	16581	0.319	ug/L	100
34) Trichloroethene	6.19	95	2846	0.221	ug/L	94
35) Methylcyclohexane	6.33	83	17936	0.812	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	8315	0.578	ug/L #	93
39) cis-1,3-Dichloropropene	7.23	75	1645	0.085	ug/L #	1
48) 2-Hexanone	8.31	43	23536	3.339	ug/L #	67
49) Dibromochloromethane	8.23	129	485	0.052	ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration

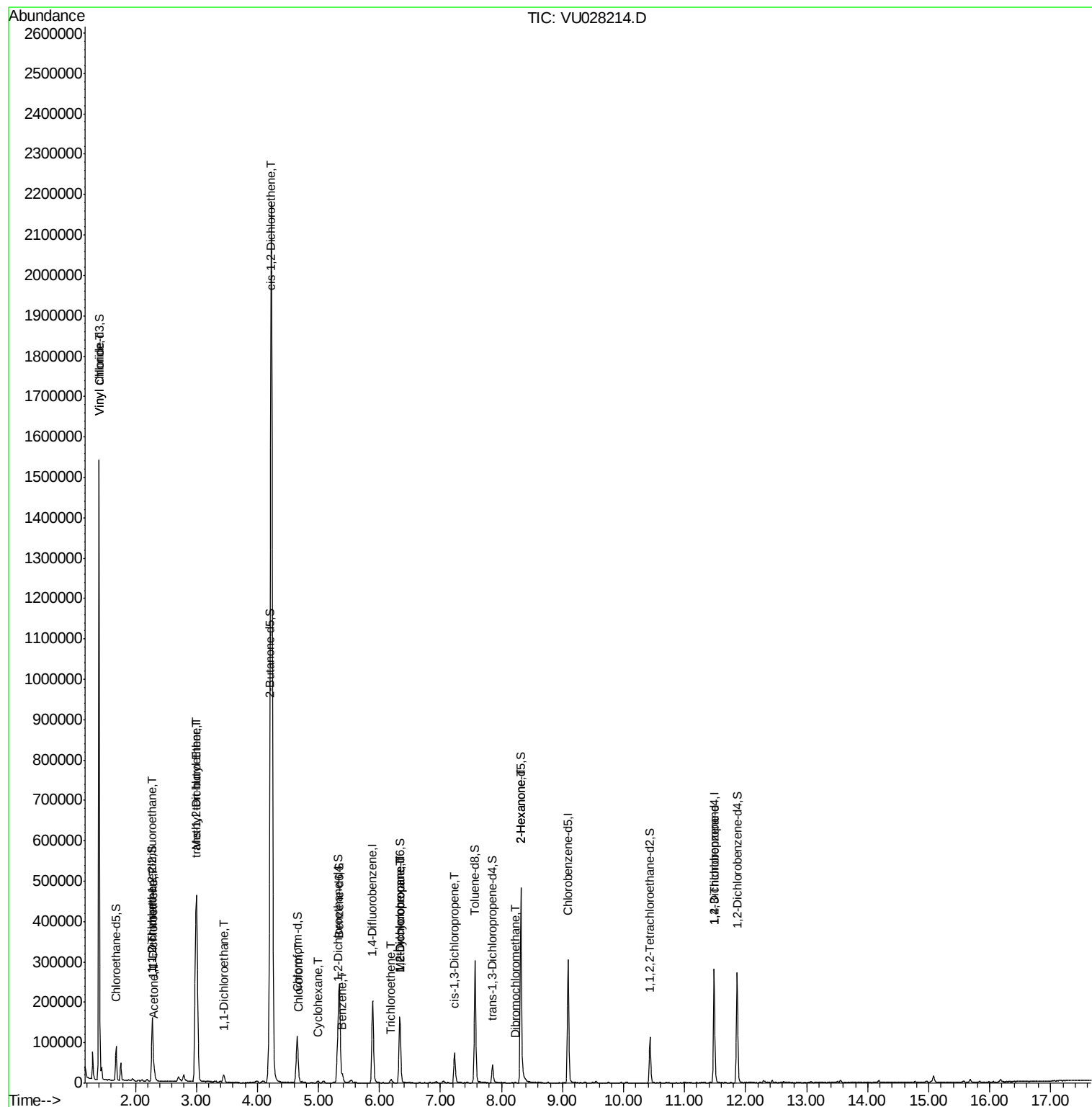
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	10907	1.350	ug/L	100

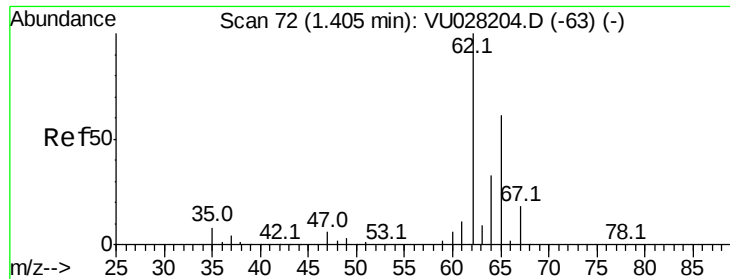
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 51.450 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028214.D

Acq: 17 Nov 2018 04:04

Instrument :

MSVOA_U

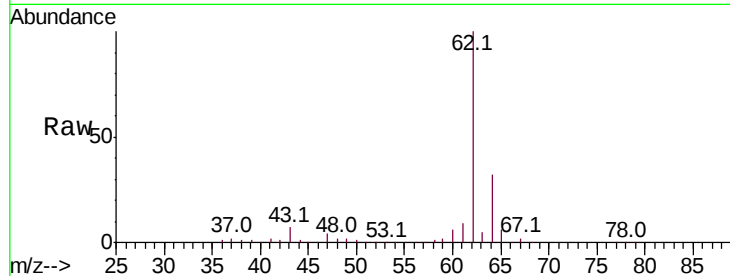
ClientSampleId :

Tot Ion: 62 Resp: 866497

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU028214.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VU028214.D (-63) (-)

1.40

800000

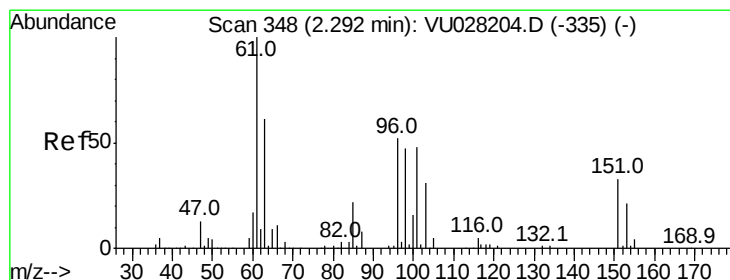
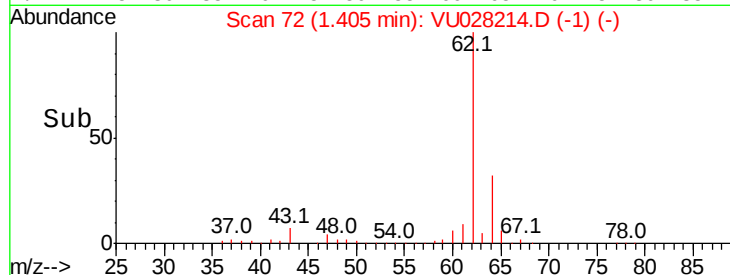
600000

400000

200000

0

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.075 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028214.D

Acq: 17 Nov 2018 04:04

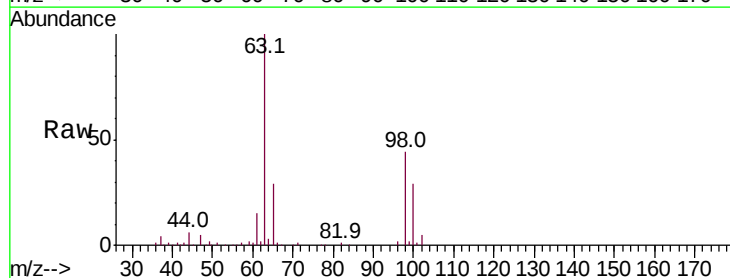
Tgt Ion:101 Resp: 774

Ion Ratio Lower Upper

101 100

85 25.1 37.6 56.4#

151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): VU028214.D (-335) (-)

Ion 85.00 (84.70 to 85.70): VU028214.D (-335) (-)

Ion 151.00 (150.70 to 151.70): VU028214.D (-335) (-)

2.28

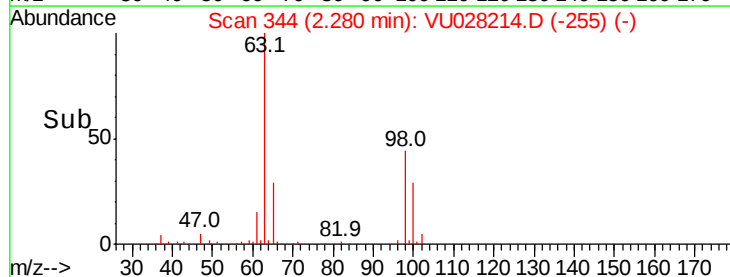
600

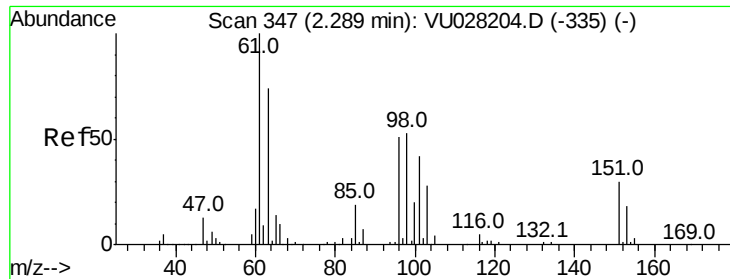
400

200

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.269 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

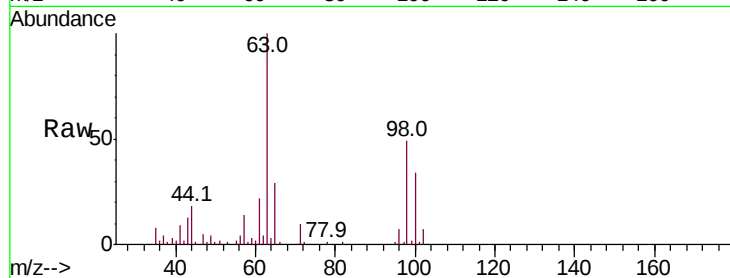
Lab File: VU028214.D

Acq: 17 Nov 2018 04:04

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 2813

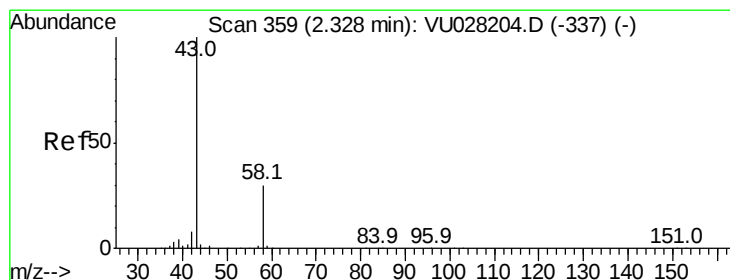
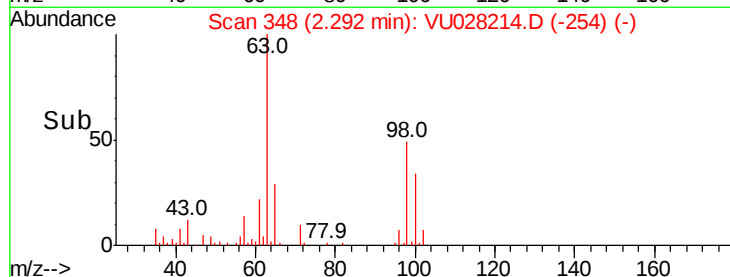
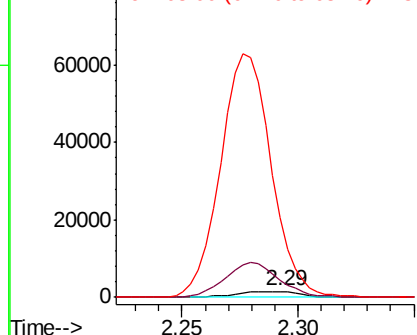
Ion	Ratio	Lower	Upper
96	100		
61	294.2	134.8	250.3#
63	1342.4	100.1	185.9#



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



#13

Acetone

Concen: 5.146 ug/L

RT: 2.31 min Scan# 353

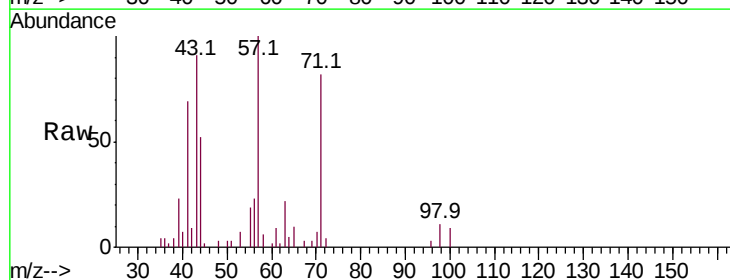
Delta R.T. -0.02 min

Lab File: VU028214.D

Acq: 17 Nov 2018 04:04

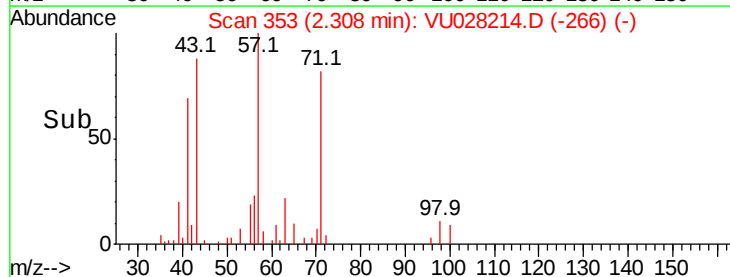
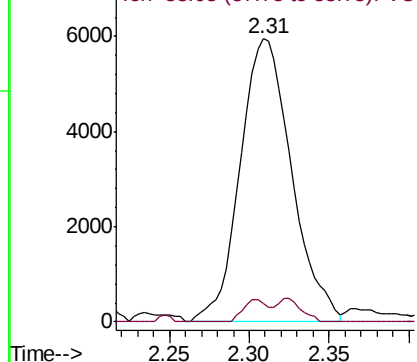
Tgt Ion: 43 Resp: 13115

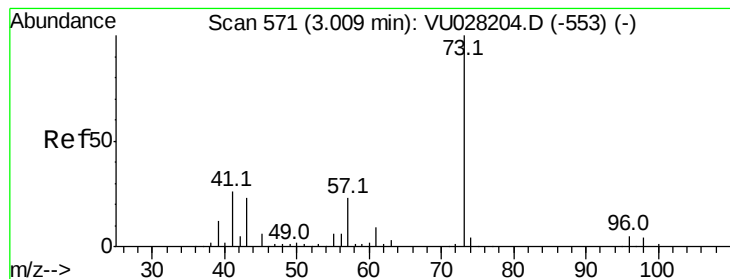
Ion	Ratio	Lower	Upper
43	100		
58	3.5	0.0	61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



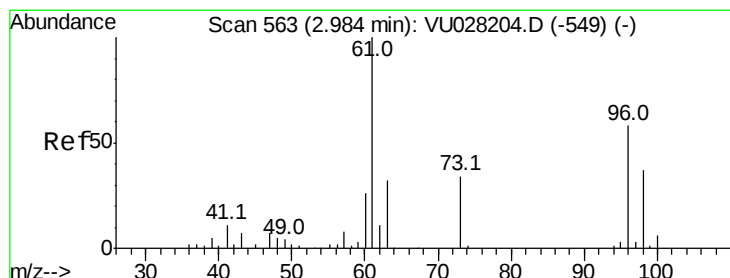
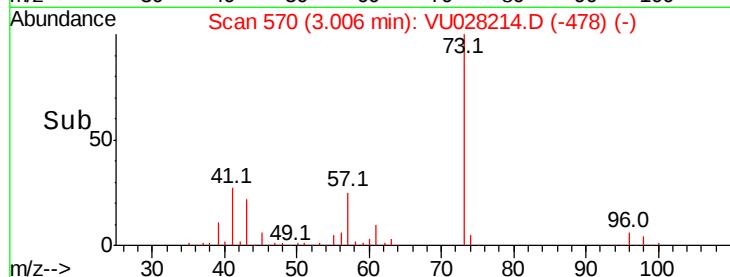
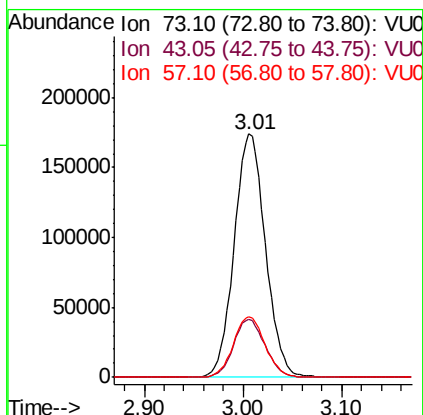
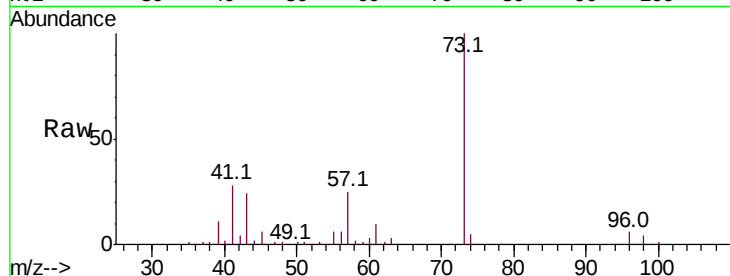


#17

Methvl tert-butvl Ether
 Concen: 13.107 ug/L
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU028214.D
 Acq: 17 Nov 2018 04:04

Instrument :
 MSVOA_U
 ClientSampleId :

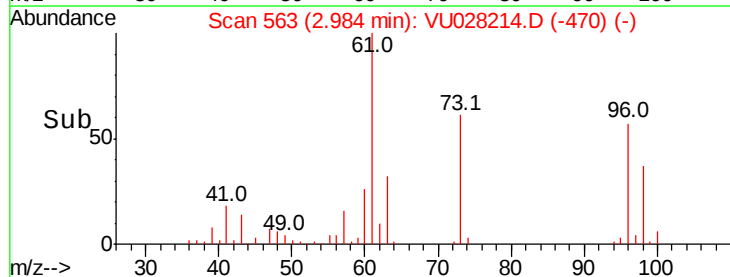
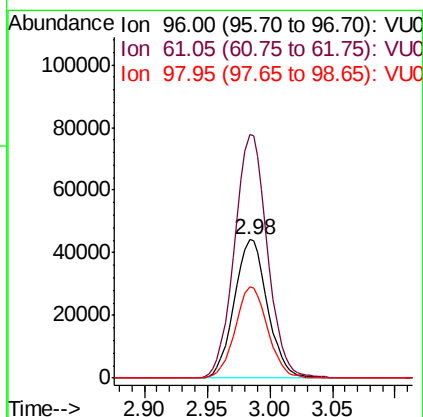
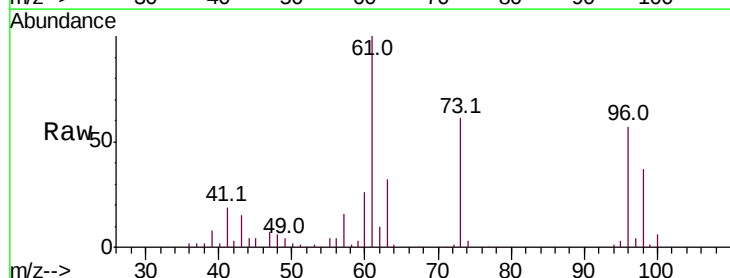
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.3	18.1	27.1
57	25.2	20.0	30.0

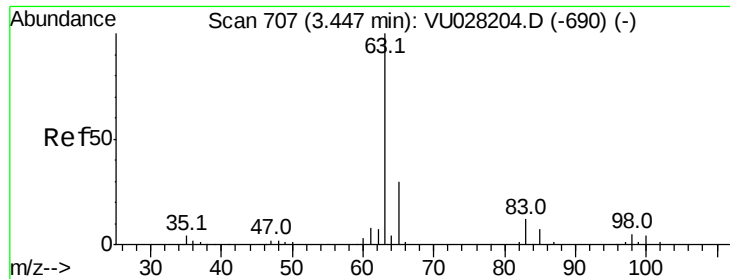


#18

trans-1,2-Dichloroethene
 Concen: 7.310 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VU028214.D
 Acq: 17 Nov 2018 04:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.2	118.5	220.1
98	65.8	44.9	83.5





#19

1,1-Dichloroethane

Concen: 0.905 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028214.D

Acq: 17 Nov 2018 04:04

Instrument :

MSVOA_U

ClientSampleId :

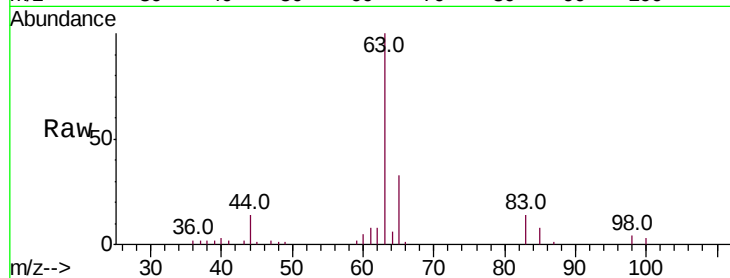
Tot Ion: 63 Resp: 21155

Ion Ratio Lower Upper

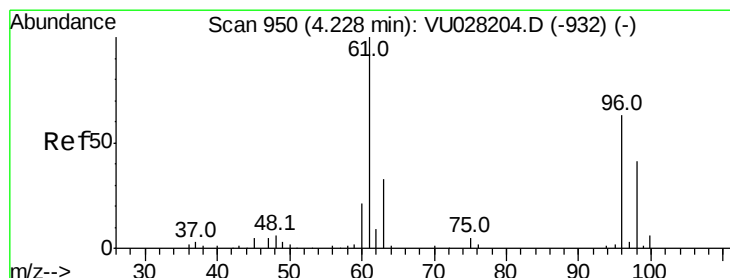
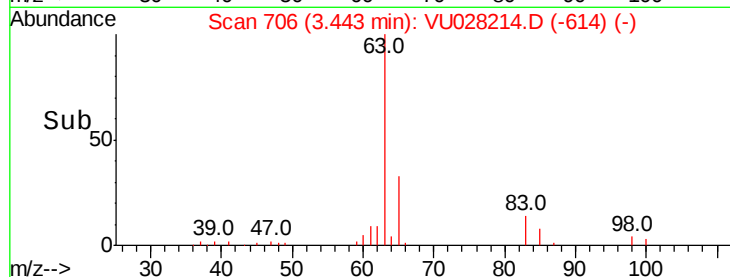
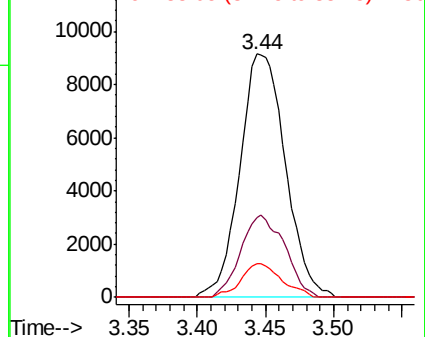
63 100

65 32.7 22.2 41.2

83 13.7 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 90.166 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028214.D

Acq: 17 Nov 2018 04:04

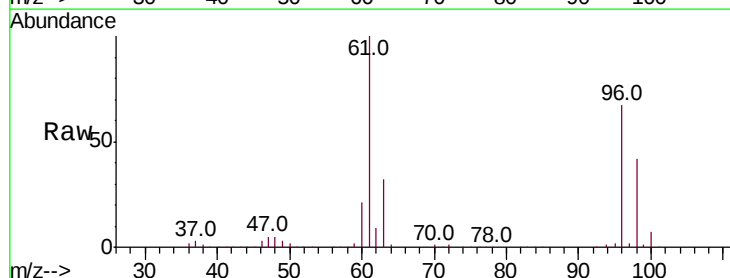
Tgt Ion: 96 Resp: 1104973

Ion Ratio Lower Upper

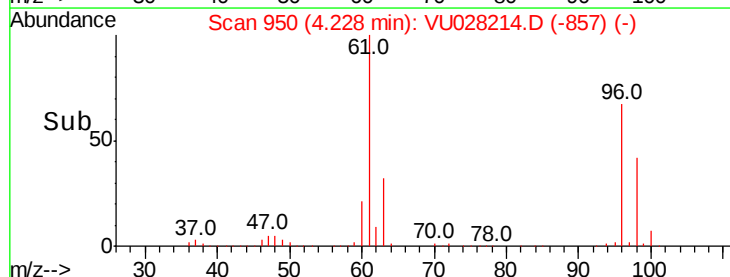
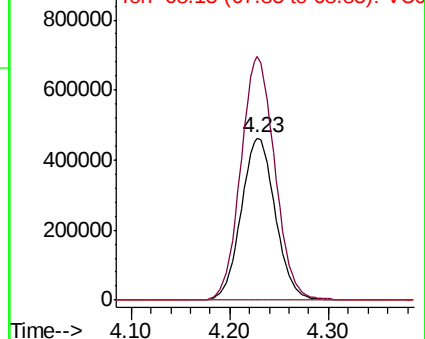
96 100

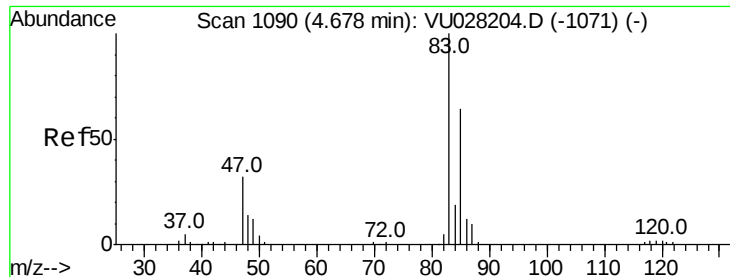
61 150.0 101.8 189.0

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

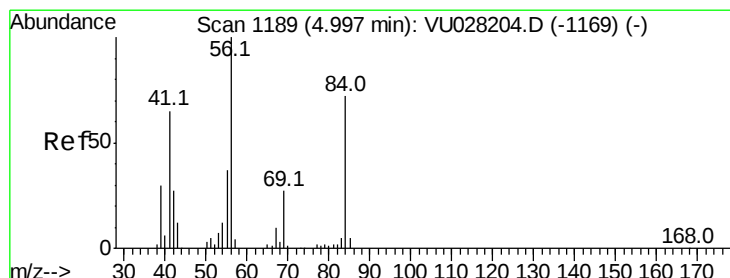
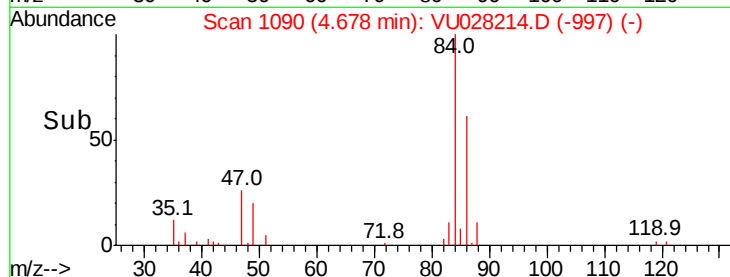
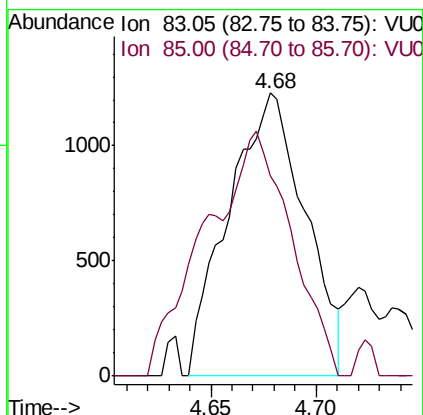
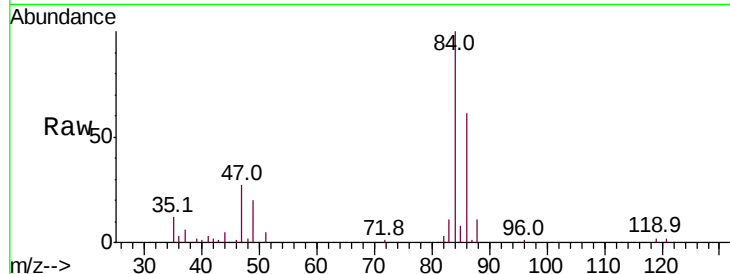




#25
Chloroform
Concen: 0.148 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU028214.D
Acq: 17 Nov 2018 04:04

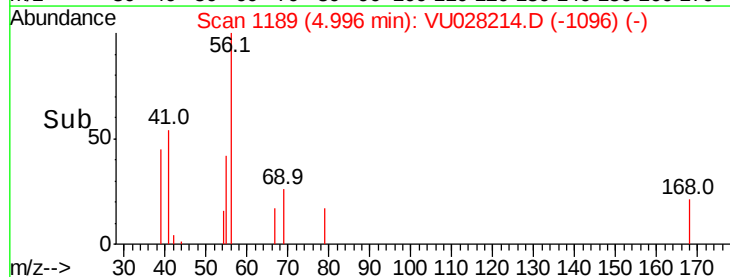
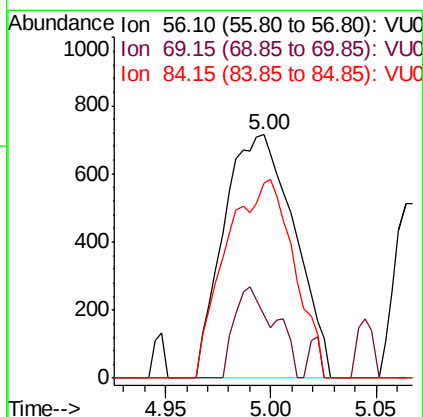
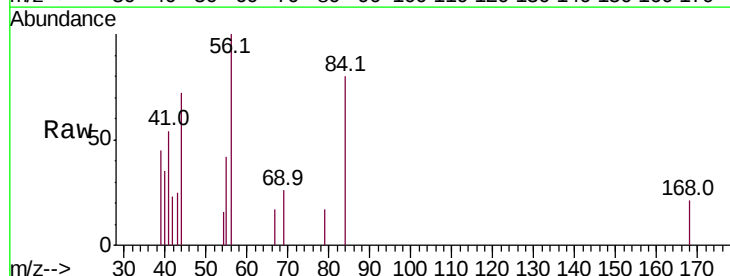
Instrument :
MSVOA_U
ClientSampled :

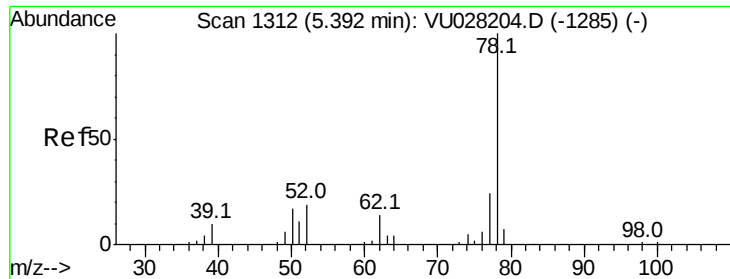
Tot Ion: 83 Resp: 3112
Ion Ratio Lower Upper
83 100
85 70.6 45.0 83.6



#30
Cyclohexane
Concen: 0.068 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU028214.D
Acq: 17 Nov 2018 04:04

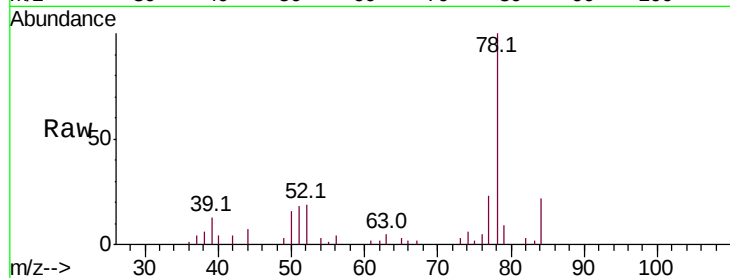
Tgt Ion: 56 Resp: 1662
Ion Ratio Lower Upper
56 100
69 21.7 22.6 33.8#
84 78.3 57.7 86.5



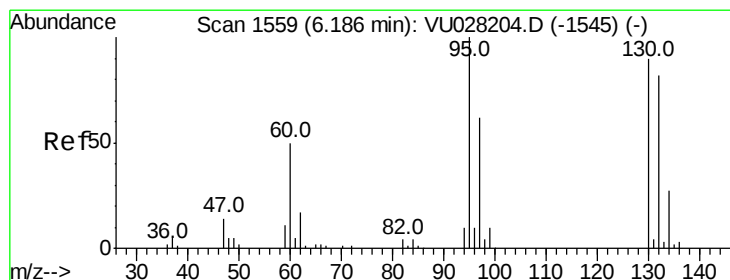
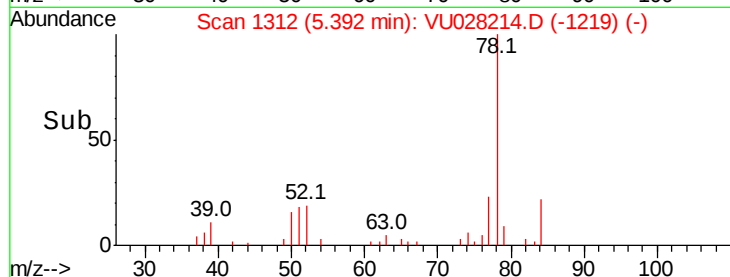
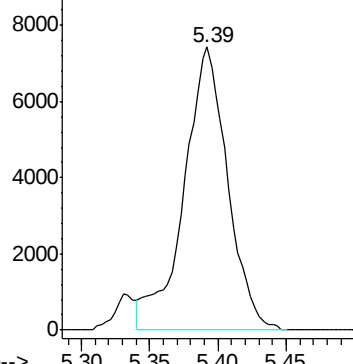


#33
Benzene
Concen: 0.319 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028214.D
Acq: 17 Nov 2018 04:04
Tgt Ion: 78 Resp: 16581

Instrument :
MSVOA_U
ClientSampled :

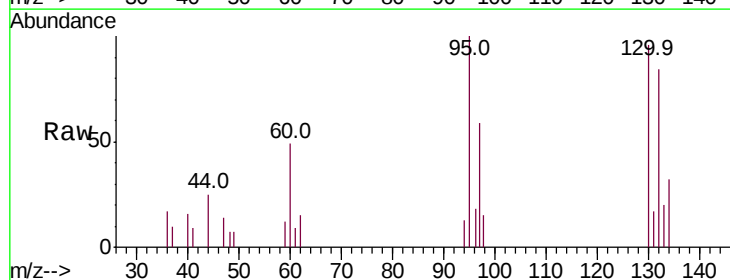


Abundance Ion 78.10 (77.80 to 78.80): VU0



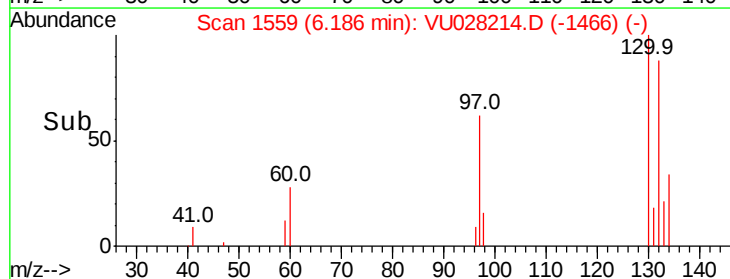
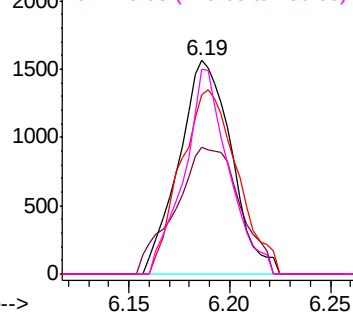
#34
Trichloroethene
Concen: 0.221 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028214.D
Acq: 17 Nov 2018 04:04

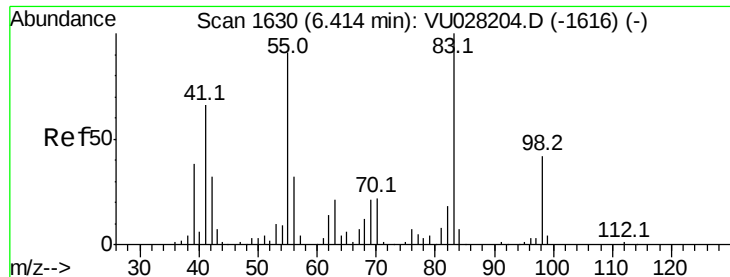
Tgt Ion: 95 Resp: 2846
Ion Ratio Lower Upper
95 100
97 59.3 45.3 84.1
132 84.1 63.0 117.0
130 95.6 63.6 118.2



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): VU0
Ion 129.95 (129.65 to 130.65): VU0

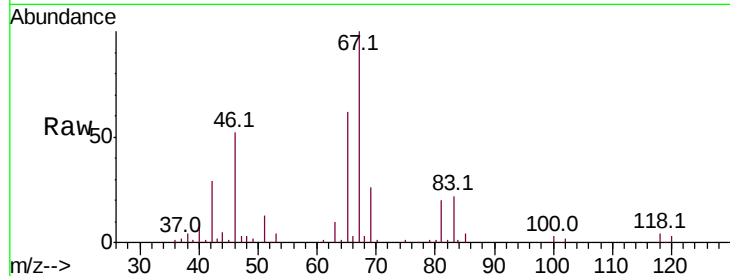




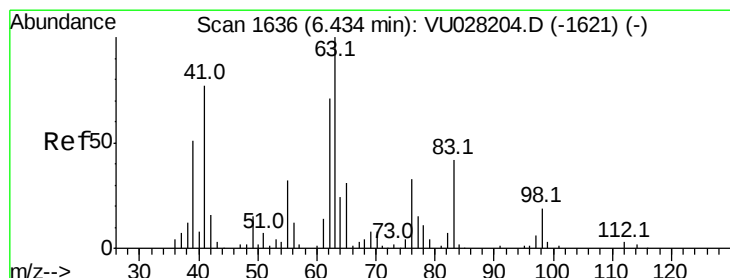
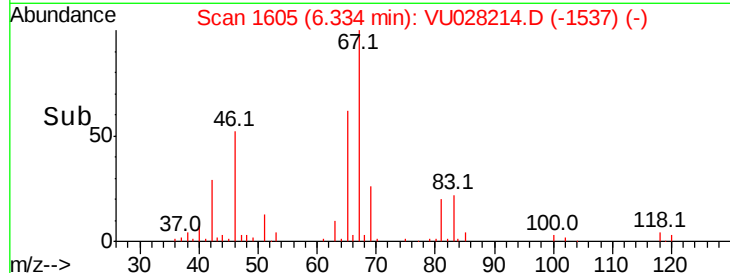
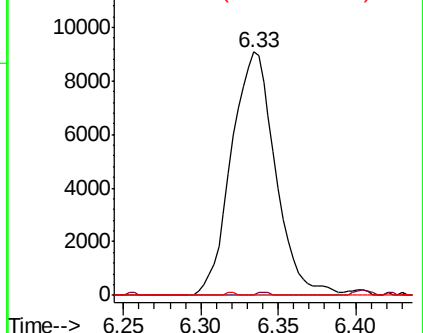
#35
Methvlcvclohexane
Concen: 0.812 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028214.D
Acq: 17 Nov 2018 04:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 17936
Ion Ratio Lower Upper
83 100
55 0.4 69.0 103.4#
98 0.2 33.3 49.9#

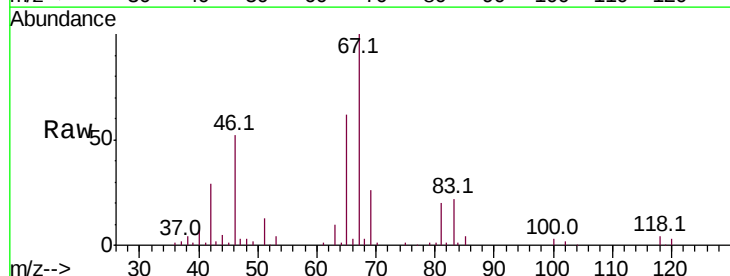


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

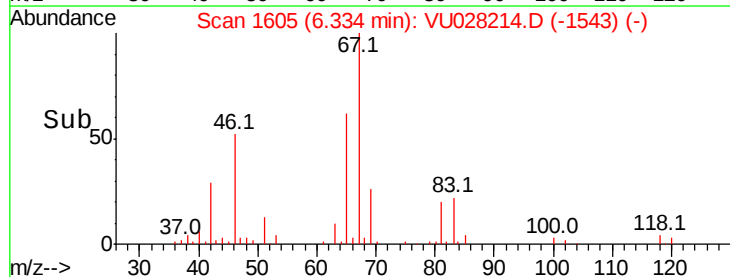
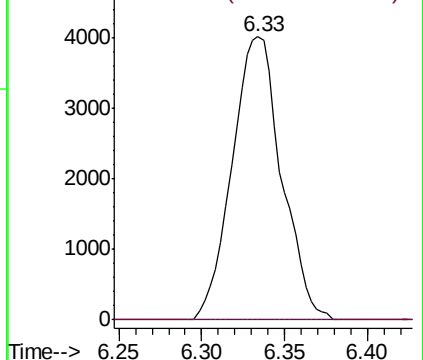


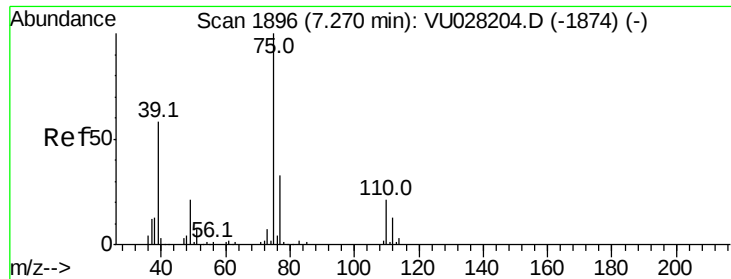
#37
1,2-Dichloropropane
Concen: 0.578 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028214.D
Acq: 17 Nov 2018 04:04

Tgt Ion: 63 Resp: 8315
Ion Ratio Lower Upper
63 100
112 0.5 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

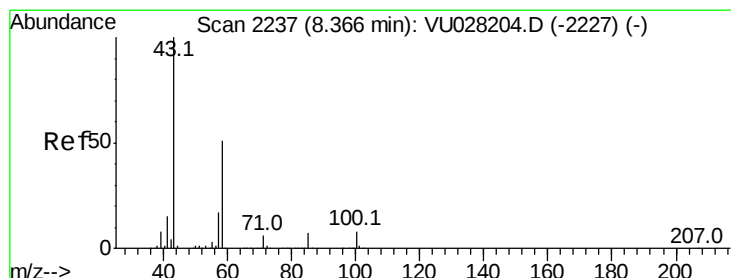
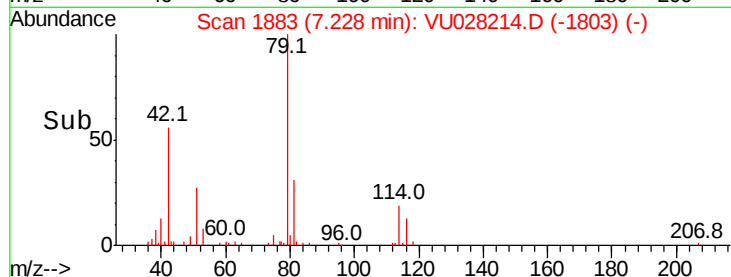
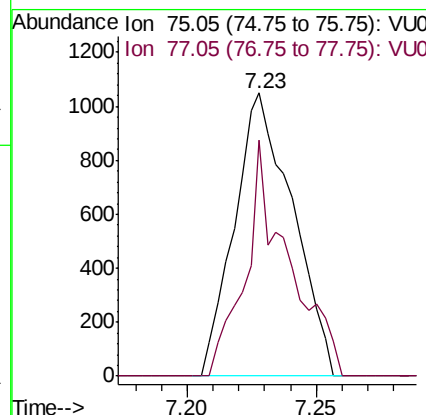
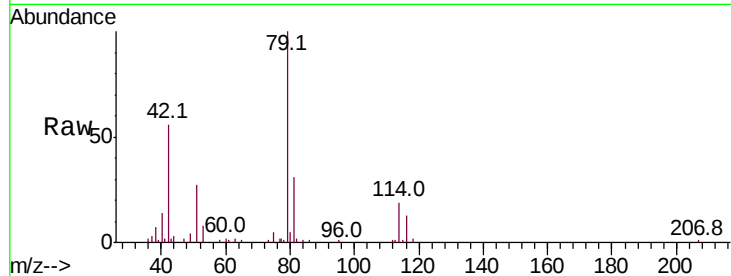




#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028214.D
 Acq: 17 Nov 2018 04:04

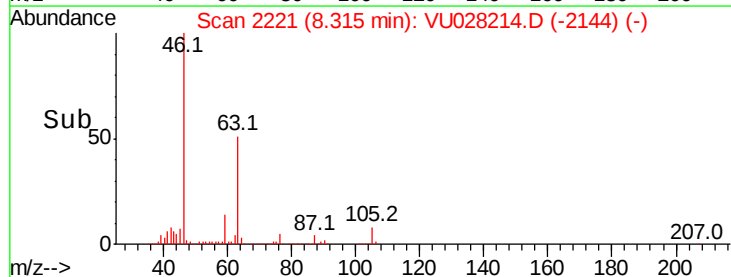
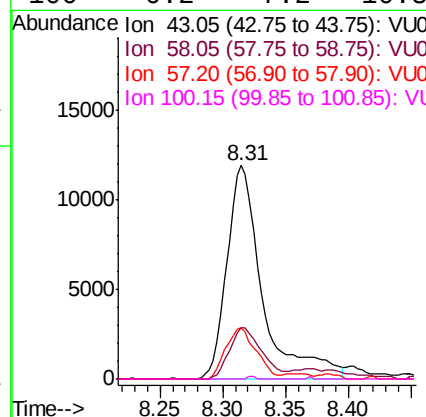
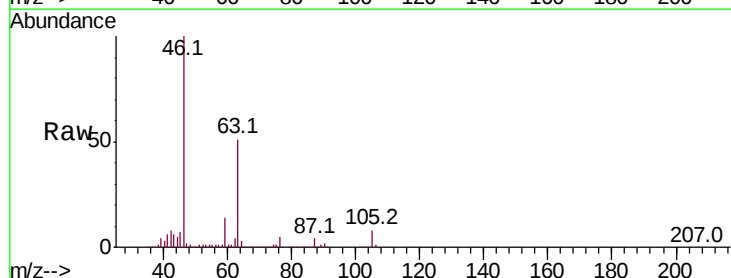
Instrument :
 MSVOA_U
 ClientSampleId :

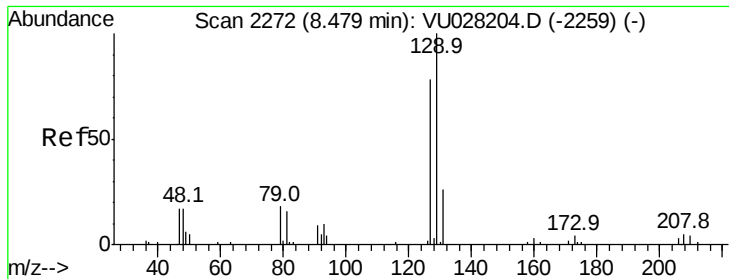
Tot Ion: 75 Resp: 1645
 Ion Ratio Lower Upper
 75 100
 77 83.6 20.9 38.9#



#48
 2-Hexanone
 Concen: 3.339 ug/L
 RT: 8.31 min Scan# 2221
 Delta R.T. -0.05 min
 Lab File: VU028214.D
 Acq: 17 Nov 2018 04:04

Tgt Ion: 43 Resp: 23536
 Ion Ratio Lower Upper
 43 100
 58 21.8 41.7 62.5#
 57 20.3 14.0 21.0
 100 0.2 7.2 10.8#





#49

Dibromochloromethane

Concen: 0.052 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU028214.D

Acq: 17 Nov 2018 04:04

Instrument :

MSVOA_U

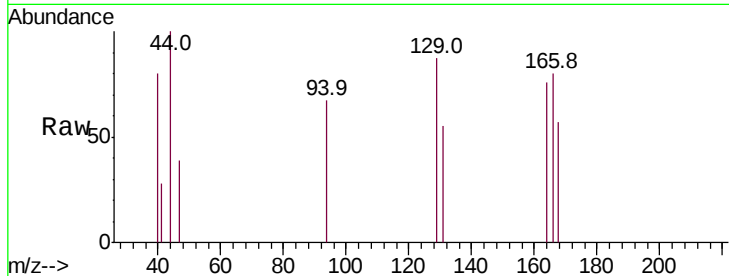
ClientSampleId :

Tot Ion:129 Resp: 485

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.23

400

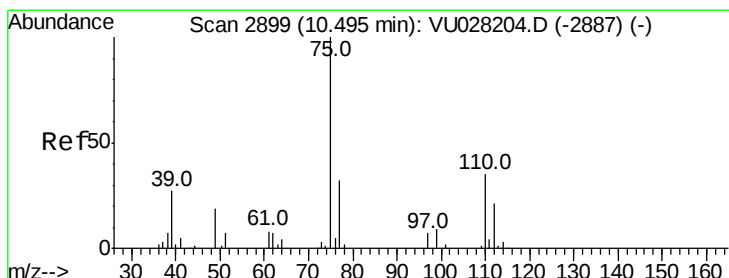
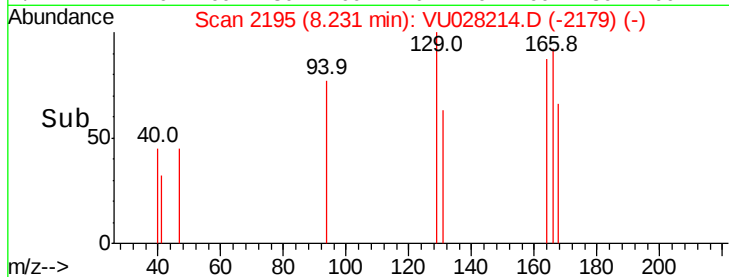
300

200

100

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.350 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028214.D

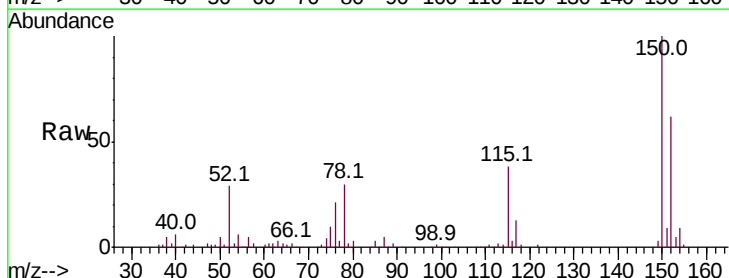
Acq: 17 Nov 2018 04:04

Tgt Ion: 75 Resp: 10907

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

6000

4000

2000

0

Time-->

