

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111618\
 Data File : VU028208.D
 Acq On : 17 Nov 2018 01:42
 Operator : MD/SY
 Sample : J5986-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 03:51:05 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	155654	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	150347	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66105	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.68	69	50517	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.28	63	92287	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	4.20	46	223716	59.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.44%
24) Chloroform-d	4.65	84	103872	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.31	65	64033	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.34	84	215855	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.33	67	79225	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.57	98	186709	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.85	79	23937	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.31	63	159489	50.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56502	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	64265	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
3) Chloromethane	1.40	50	5641	0.321	ug/L # 48
5) Vinyl chloride	1.40	62	843051	50.566	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	581	0.057	ug/L # 27
12) 1,1-Dichloroethene	2.29	96	2793	0.270	ug/L # 1
17) Methyl tert-butyl Ether	3.01	73	42714	1.476	ug/L # 89
18) trans-1,2-Dichloroethene	2.99	96	10743	0.976	ug/L 92
19) 1,1-Dichloroethane	3.45	63	11678	0.505	ug/L 97
22) cis-1,2-Dichloroethene	4.23	96	2315422	190.856	ug/L 96
25) Chloroform	4.67	83	3009	0.145	ug/L 95
30) Cyclohexane	4.99	56	2255	0.095	ug/L 94
33) Benzene	5.39	78	12788	0.252	ug/L 100
34) Trichloroethene	6.19	95	832	0.066	ug/L 90
35) Methylcyclohexane	6.33	83	16291	0.757	ug/L # 16
37) 1,2-Dichloropropane	6.33	63	8064	0.576	ug/L # 92
39) cis-1,3-Dichloropropene	7.23	75	1699	0.090	ug/L 86
48) 2-Hexanone	8.37	43	2083	0.304	ug/L # 60
49) Dibromochloromethane	8.23	129	576	0.064	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

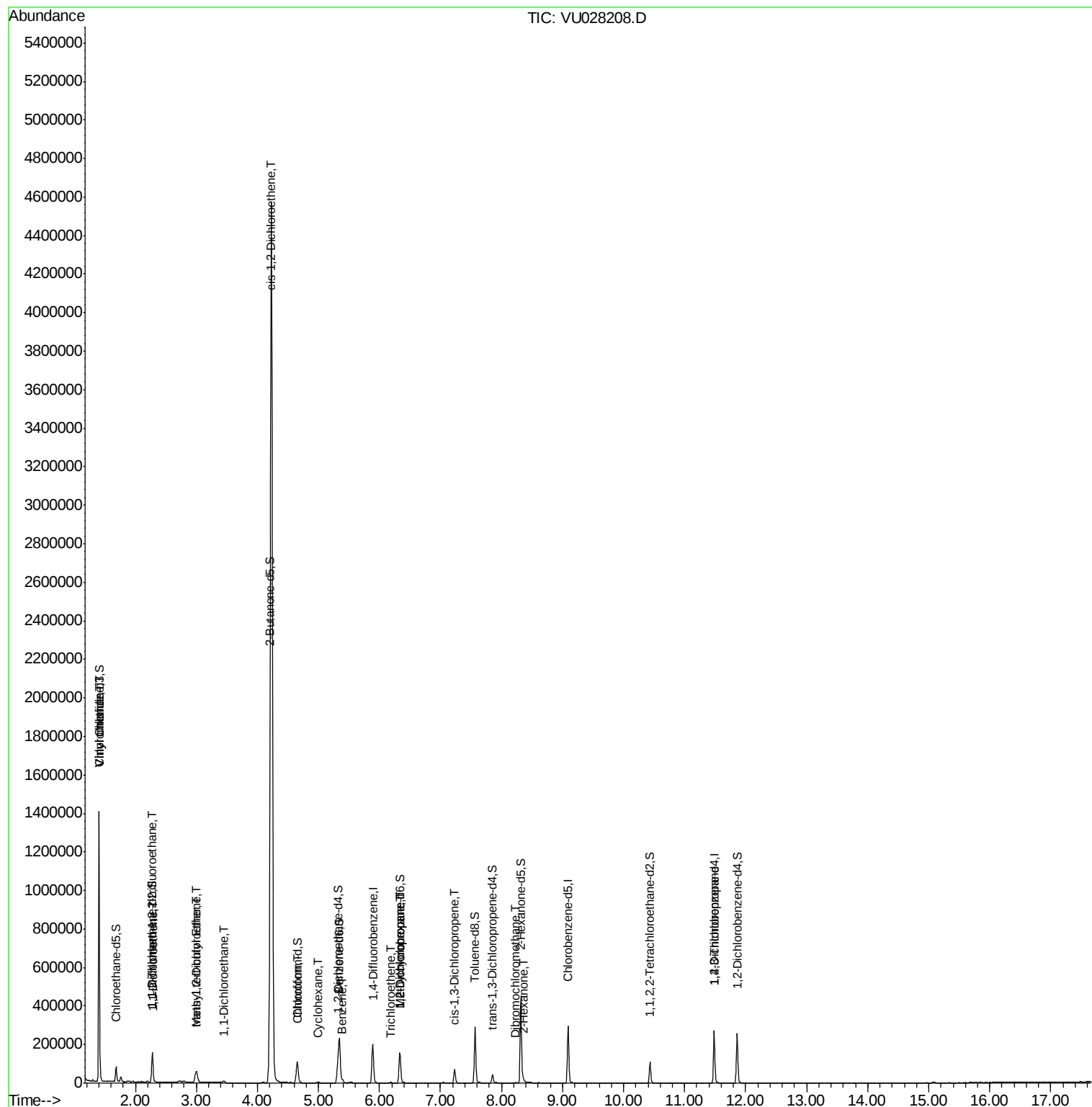
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	10116	1.286	ug/L	96

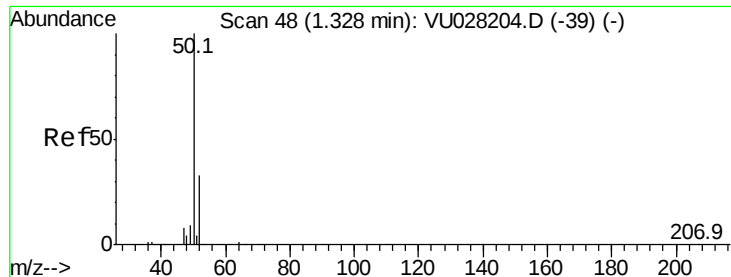
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.321 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.08 min

Lab File: VU028208.D

Acq: 17 Nov 2018 01:42

Instrument :

MSVOA_U

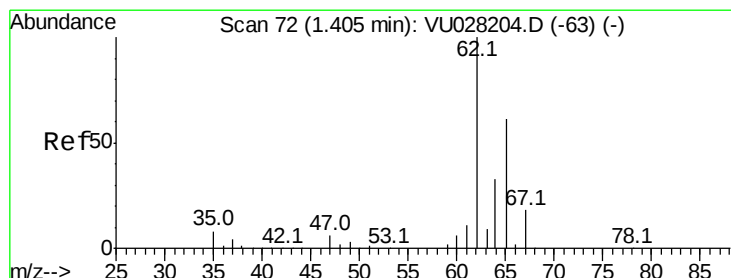
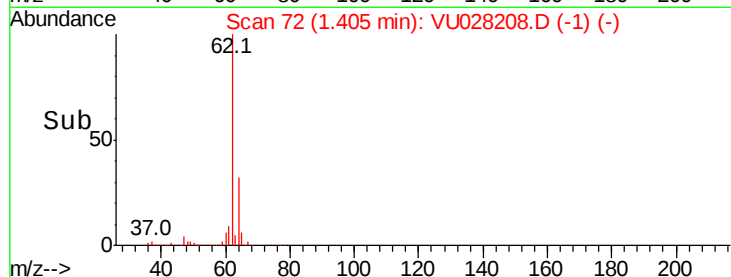
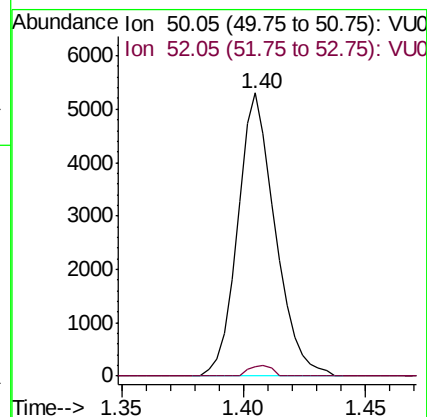
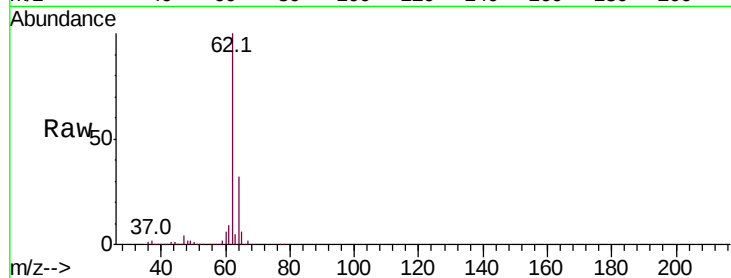
ClientSampleId :

Tot Ion: 50 Resp: 5641

Ion Ratio Lower Upper

50 100

52 3.5 23.0 42.6#



#5

Vinyl chloride

Concen: 50.566 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028208.D

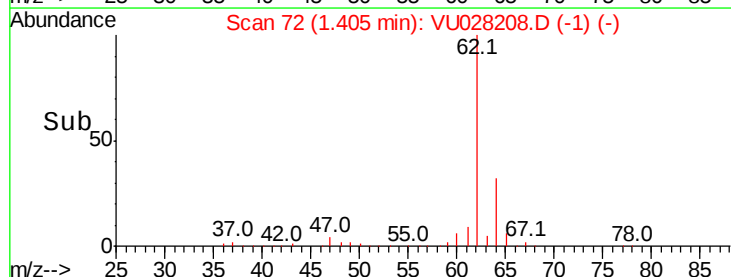
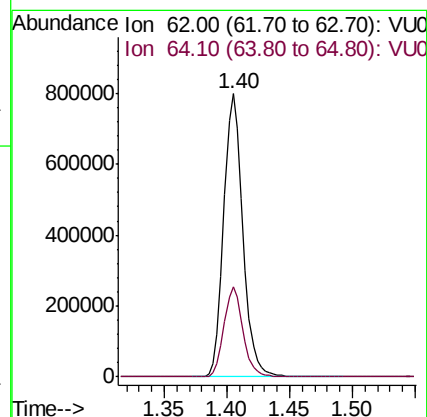
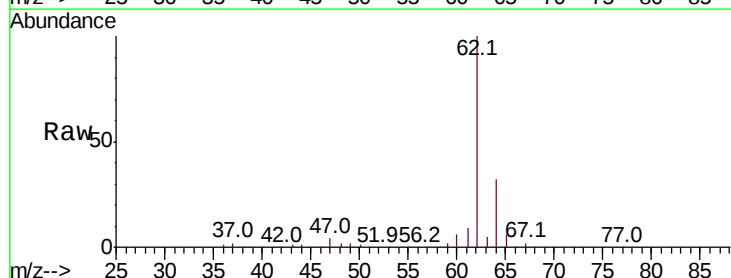
Acq: 17 Nov 2018 01:42

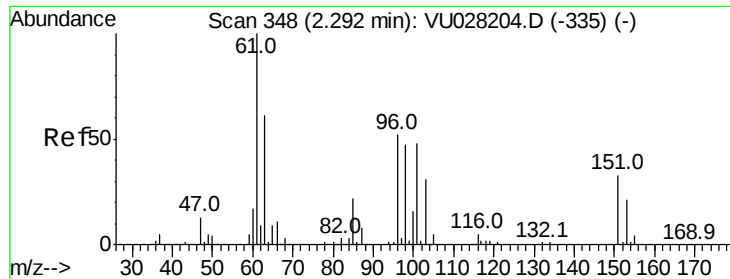
Tgt Ion: 62 Resp: 843051

Ion Ratio Lower Upper

62 100

64 31.6 22.7 42.3





#10

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

Concen: 0.057 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028208.D

Acq: 17 Nov 2018 01:42

Instrument :

MSVOA_U

ClientSampled :

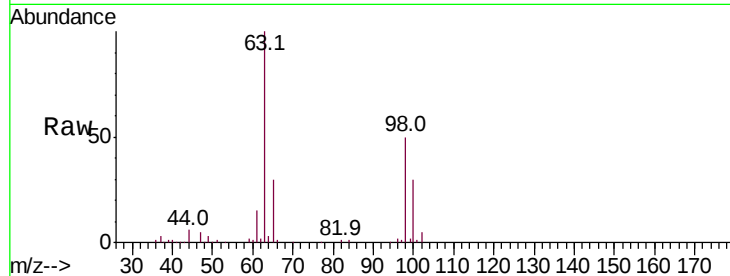
Tot Ion:101 Resp: 581

Ion Ratio Lower Upper

101 100

85 12.2 37.6 56.4#

151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

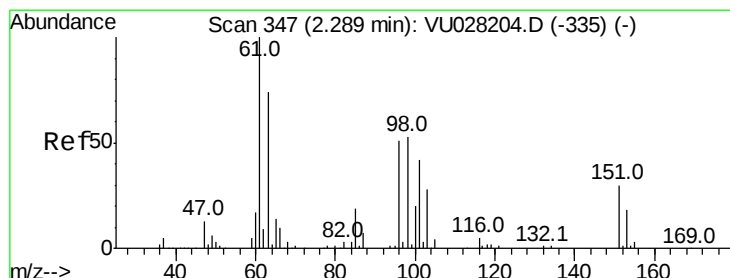
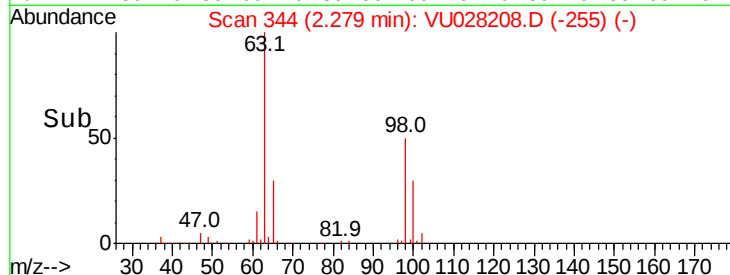
2.28

400

200

0

Time--> 2.24 2.26 2.28 2.30



#12

1,1-Dichloroethene

Concen: 0.270 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU028208.D

Acq: 17 Nov 2018 01:42

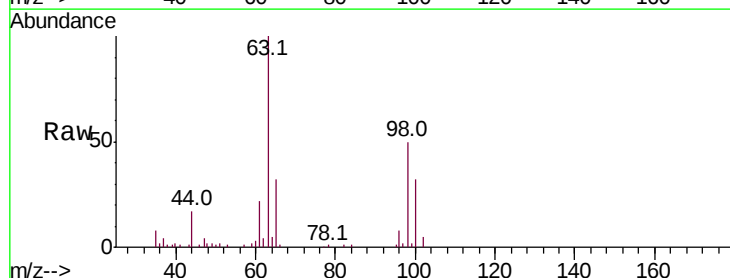
Tgt Ion: 96 Resp: 2793

Ion Ratio Lower Upper

96 100

61 284.6 134.8 250.3#

63 1294.1 100.1 185.9#



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

80000

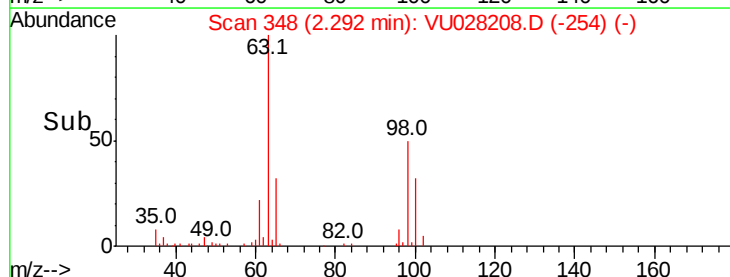
60000

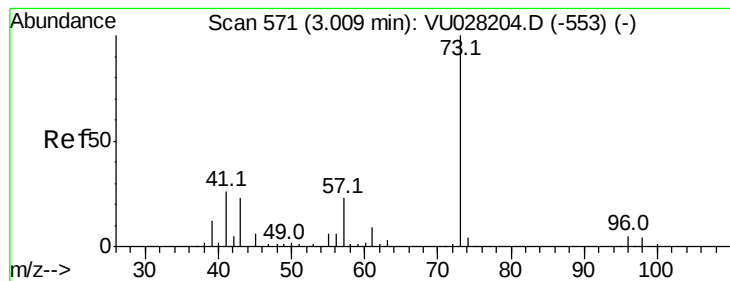
40000

20000

0

Time--> 2.25 2.30





#17

Methyl tert-butyl Ether

Concen: 1.476 ug/L

RT: 3.01 min Scan# 571

Delta R.T. -0.00 min

Lab File: VU028208.D

Acq: 17 Nov 2018 01:42

Instrument :
MSVOA_U
ClientSampled :

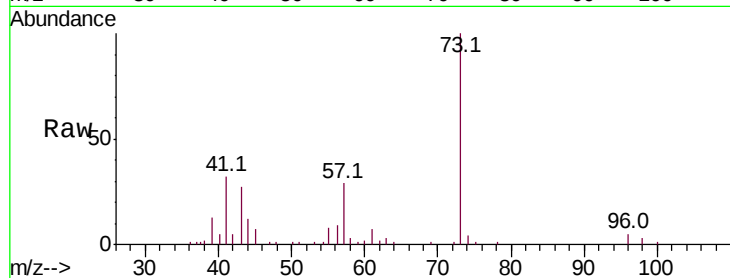
Tot Ion: 73 Resp: 42714

Ion Ratio Lower Upper

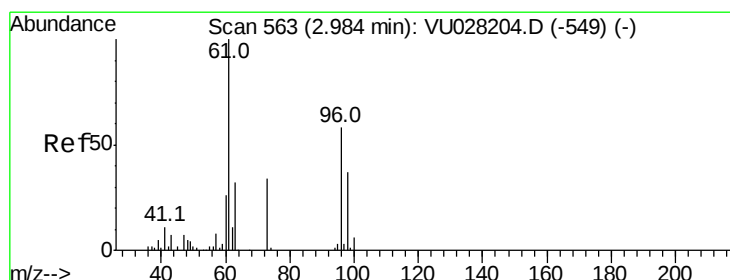
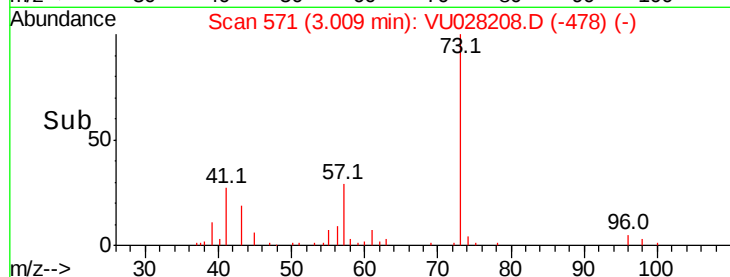
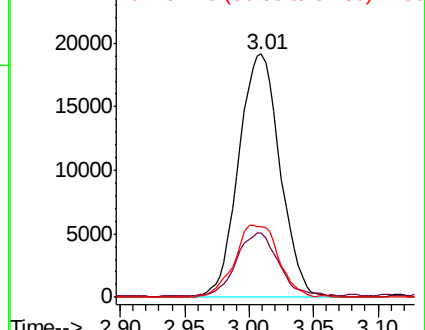
73 100

43 26.7 18.1 27.1

57 31.6 20.0 30.0#



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.976 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028208.D

Acq: 17 Nov 2018 01:42

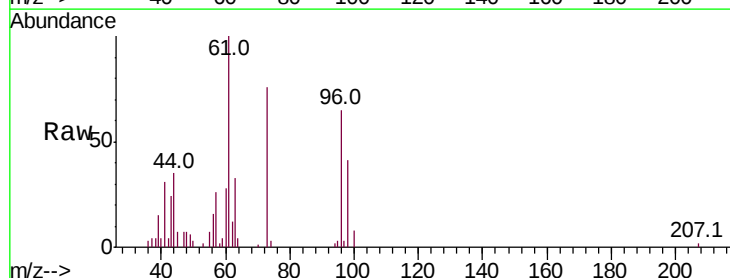
Tgt Ion: 96 Resp: 10743

Ion Ratio Lower Upper

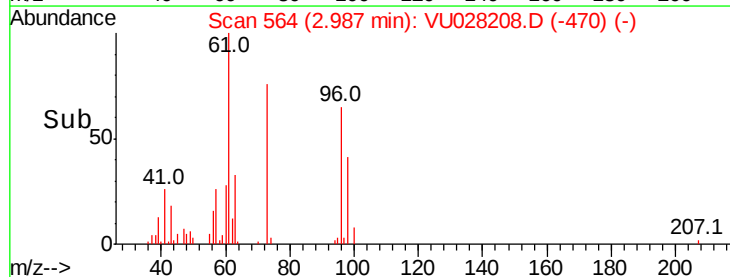
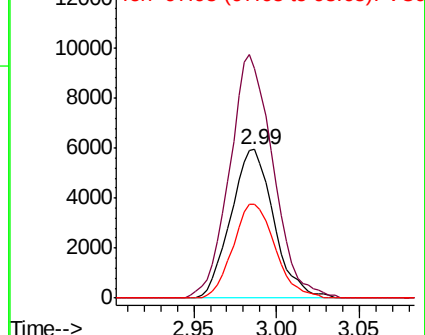
96 100

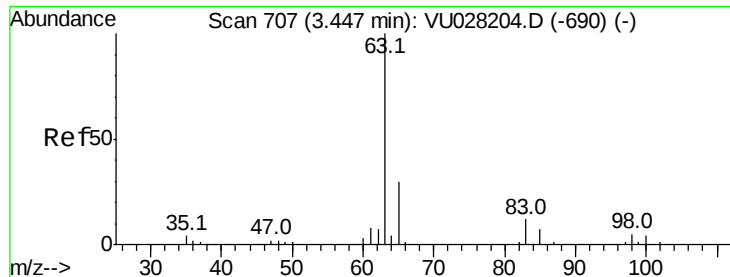
61 154.6 118.5 220.1

98 63.6 44.9 83.5



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



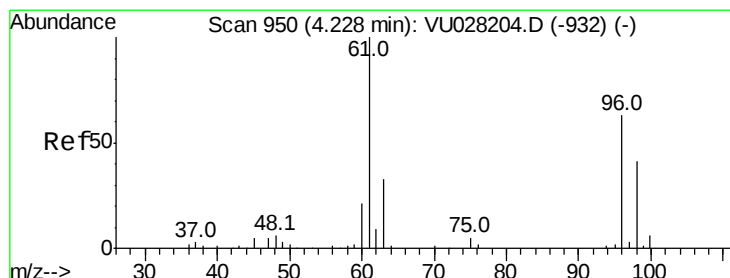
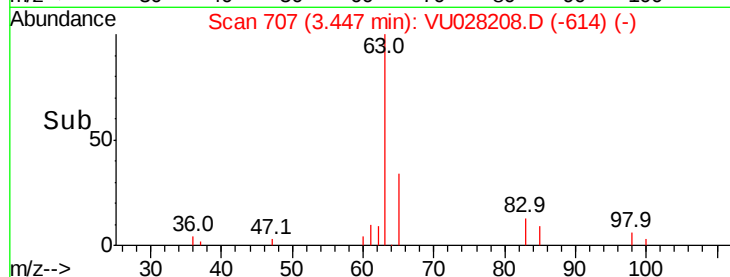
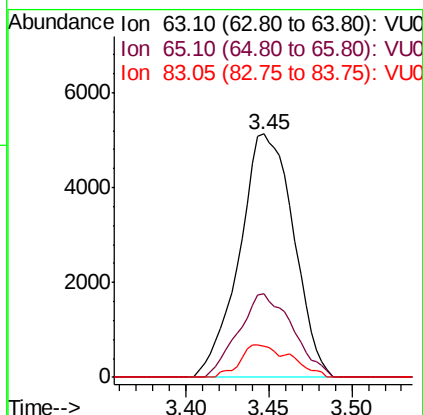
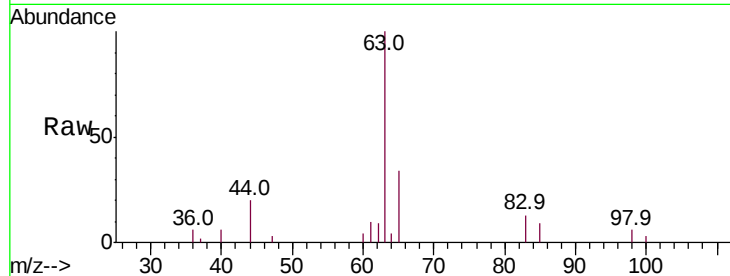


#19
 1,1-Dichloroethane
 Concen: 0.505 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028208.D
 Acq: 17 Nov 2018 01:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 11678

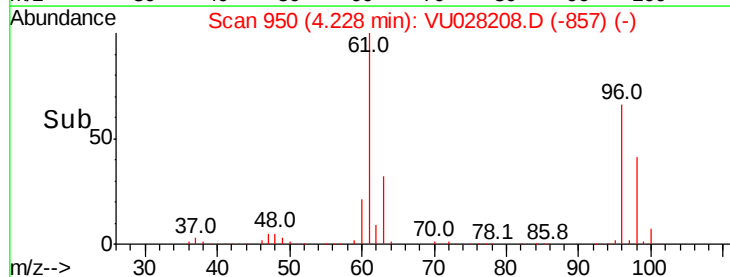
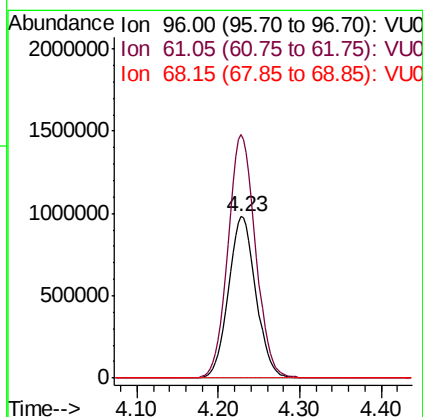
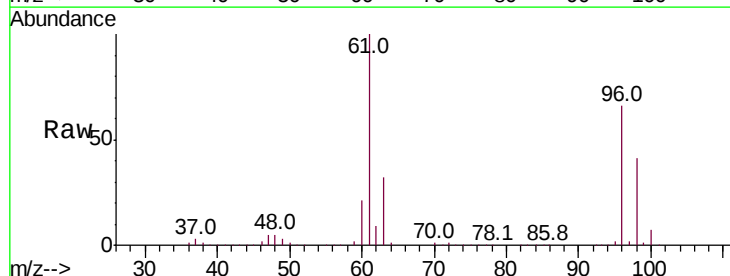
Ion	Ratio	Lower	Upper
63	100		
65	34.1	22.2	41.2
83	12.8	8.9	16.5

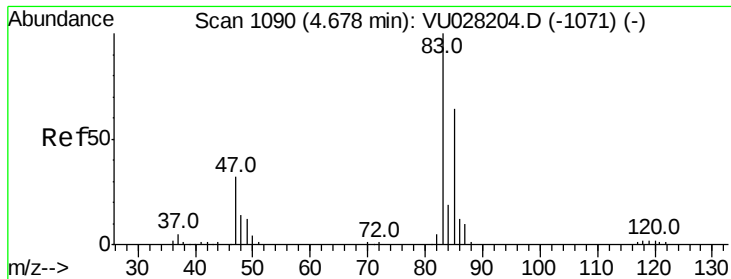


#22
 cis-1,2-Dichloroethene
 Concen: 190.856 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028208.D
 Acq: 17 Nov 2018 01:42

Tgt Ion: 96 Resp: 2315422

Ion	Ratio	Lower	Upper
96	100		
61	150.6	101.8	189.0
68	0.0	0.0	0.0

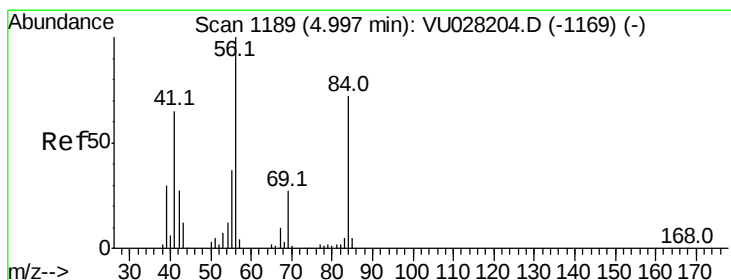
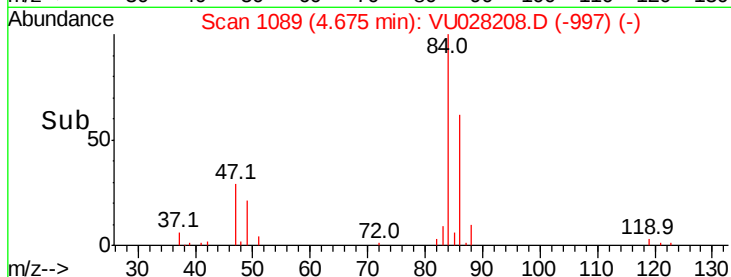
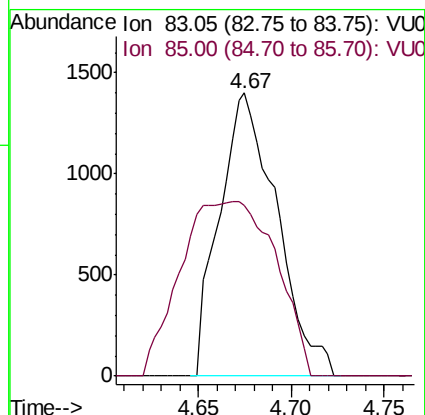
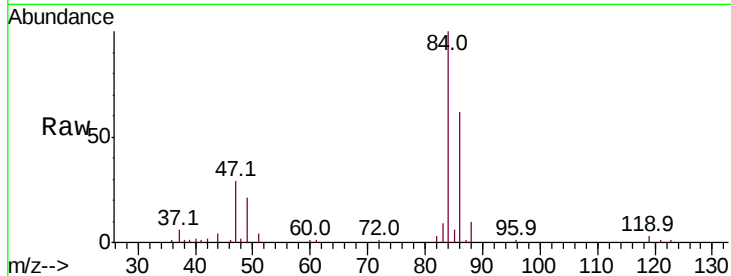




#25
Chloroform
Concen: 0.145 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028208.D
Acq: 17 Nov 2018 01:42

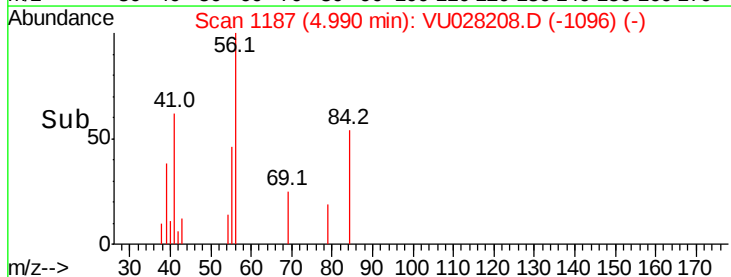
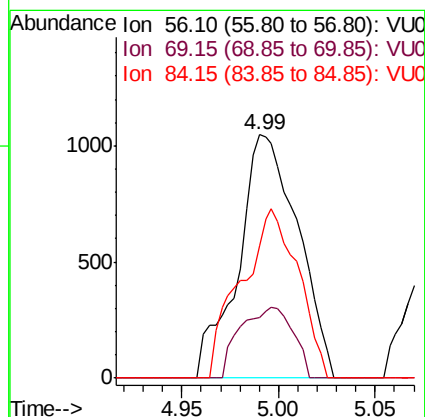
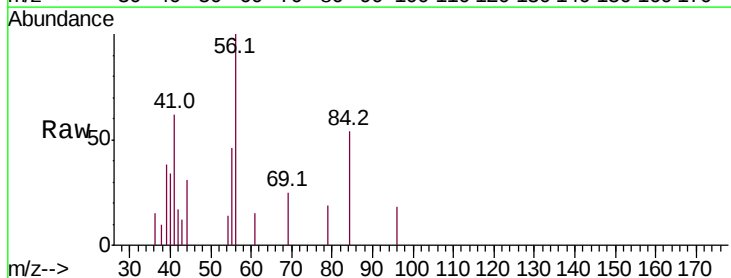
Instrument :
MSVOA_U
ClientSampleId :

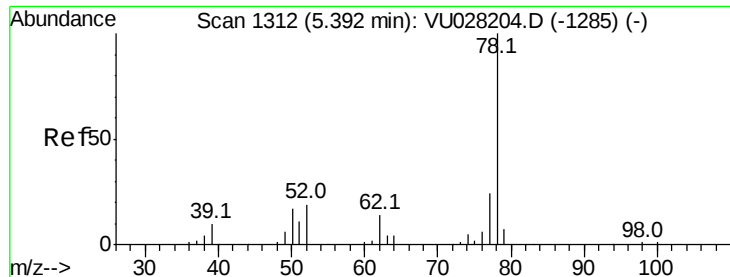
Tot Ion: 83 Resp: 3009
Ion Ratio Lower Upper
83 100
85 60.4 45.0 83.6



#30
Cyclohexane
Concen: 0.095 ug/L
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU028208.D
Acq: 17 Nov 2018 01:42

Tgt Ion: 56 Resp: 2255
Ion Ratio Lower Upper
56 100
69 25.5 22.6 33.8
84 66.6 57.7 86.5

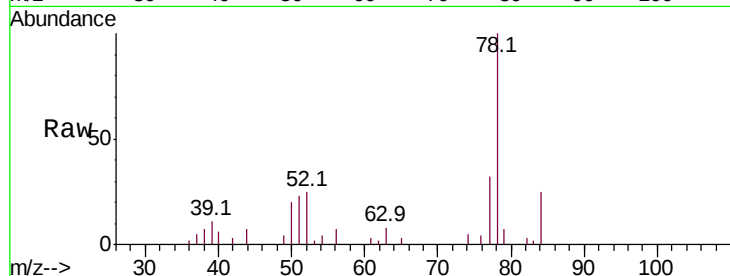




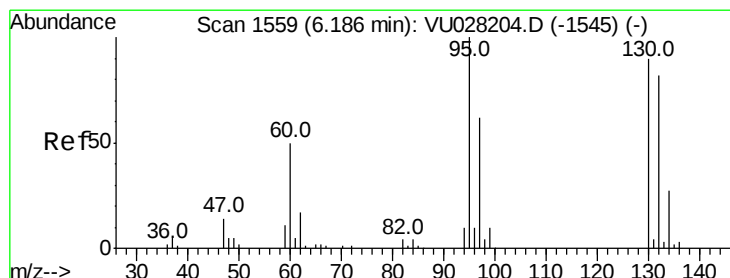
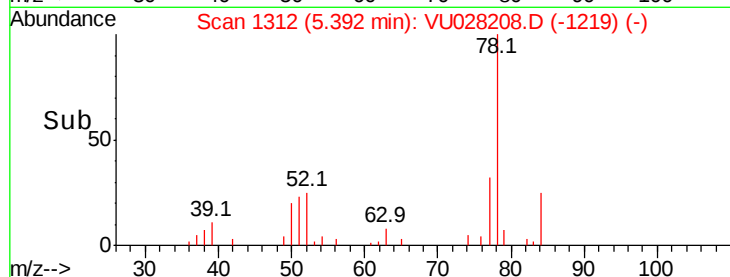
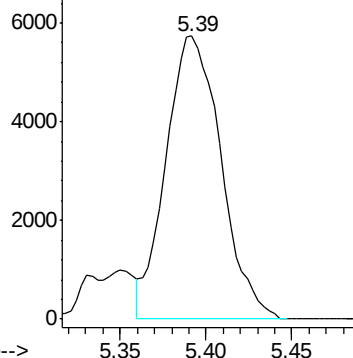
#33
Benzene
Concen: 0.252 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028208.D
Acq: 17 Nov 2018 01:42

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 12788



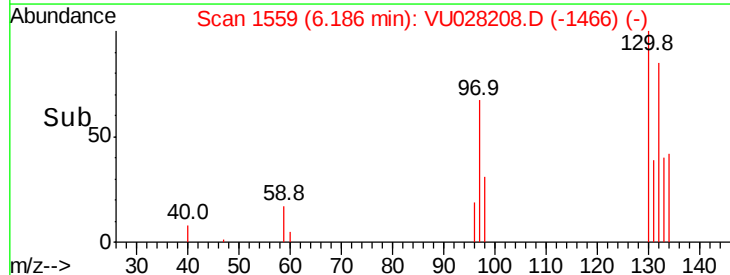
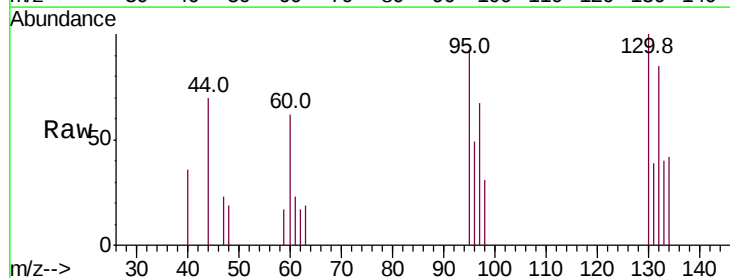
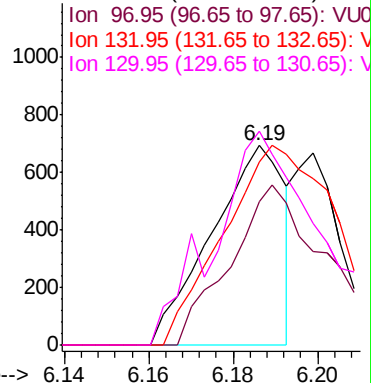
Abundance Ion 78.10 (77.80 to 78.80): VU0

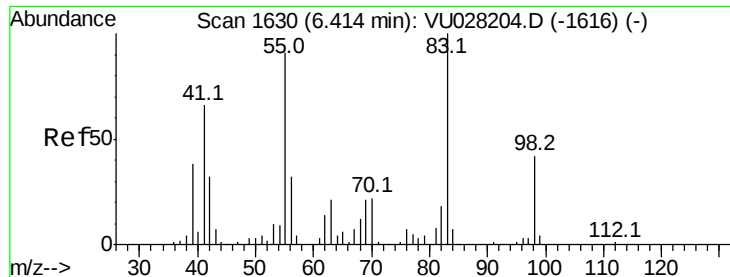


#34
Trichloroethene
Concen: 0.066 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028208.D
Acq: 17 Nov 2018 01:42

Tgt Ion: 95 Resp: 832
Ion Ratio Lower Upper
95 100
97 72.3 45.3 84.1
132 91.6 63.0 117.0
130 107.2 63.6 118.2

Abundance Ion 95.00 (94.70 to 95.70): VU0

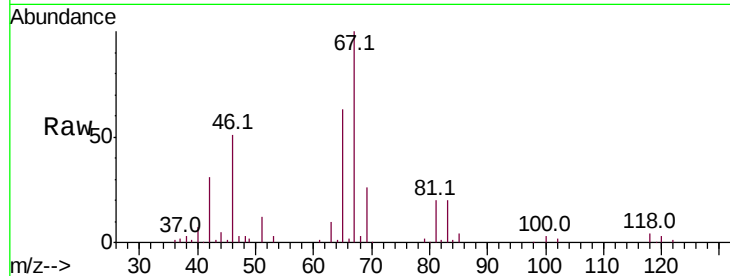




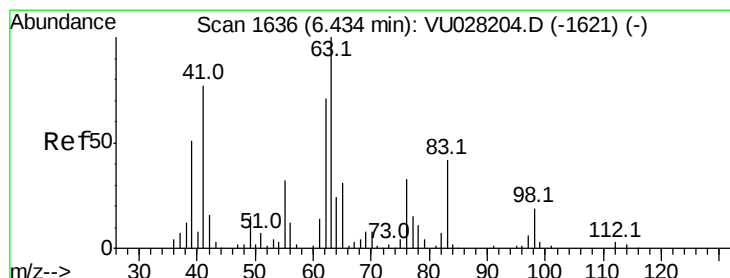
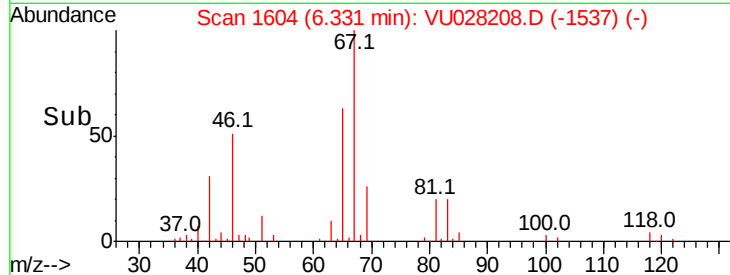
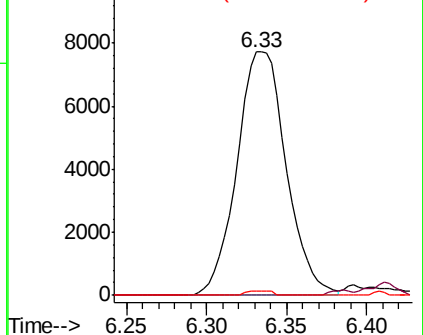
#35
Methvlcvclohexane
Concen: 0.757 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028208.D
Acq: 17 Nov 2018 01:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 16291
Ion Ratio Lower Upper
83 100
55 0.9 69.0 103.4#
98 1.0 33.3 49.9#

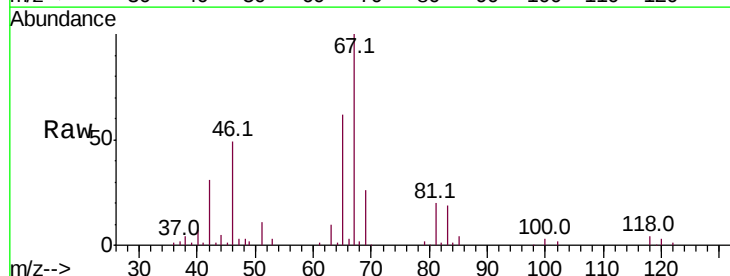


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

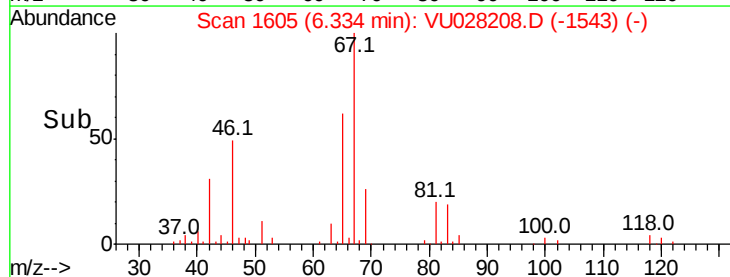
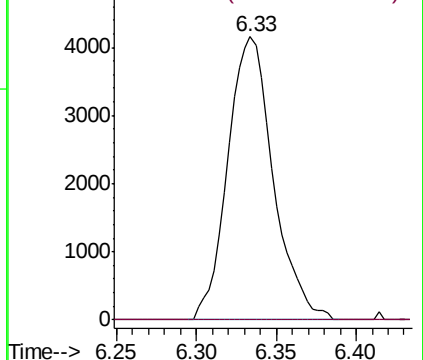


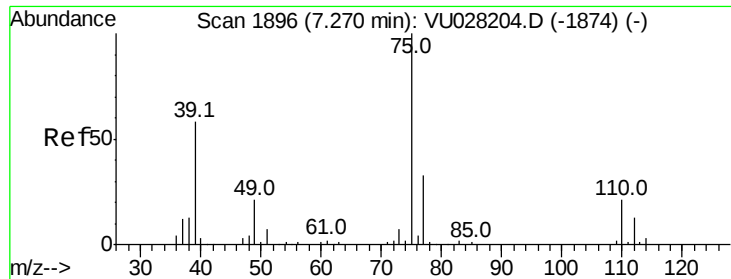
#37
1,2-Dichloropropane
Concen: 0.576 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028208.D
Acq: 17 Nov 2018 01:42

Tgt Ion: 63 Resp: 8064
Ion Ratio Lower Upper
63 100
112 0.2 2.2 3.4#



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

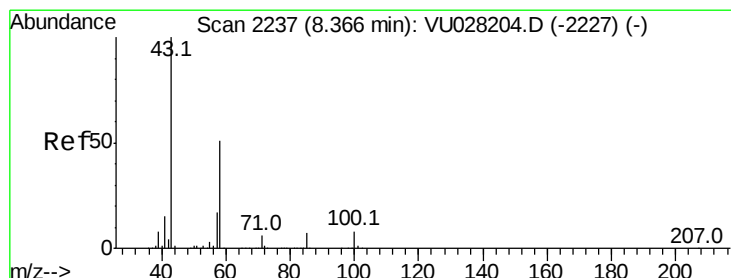
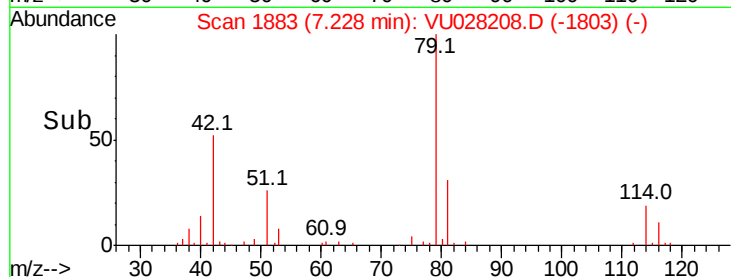
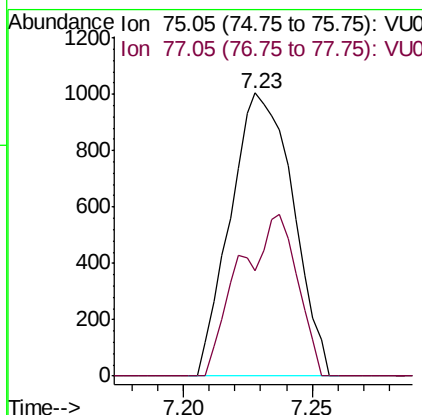
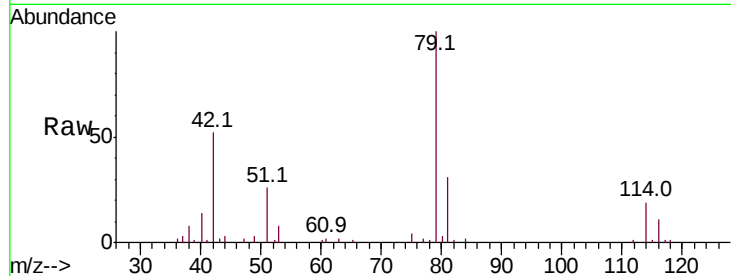




#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028208.D
 Acq: 17 Nov 2018 01:42

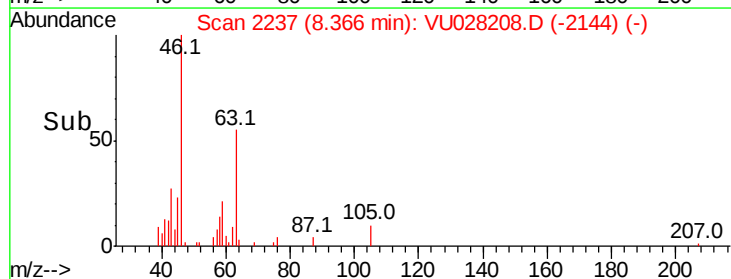
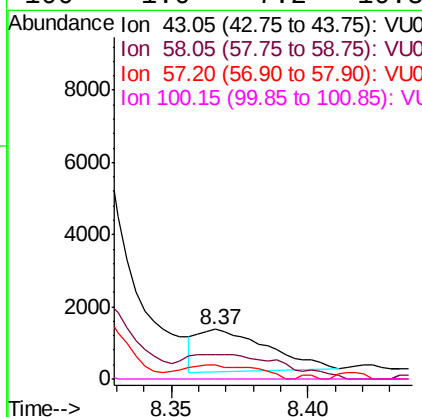
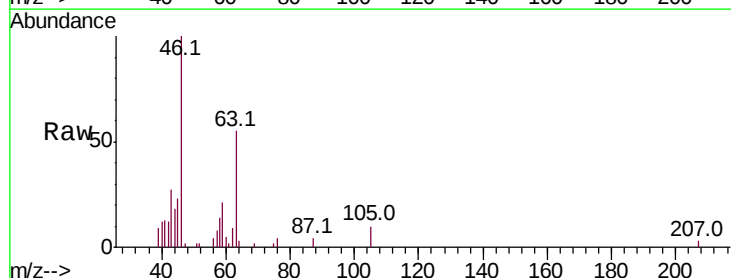
Instrument :
 MSVOA_U
 ClientSampled :

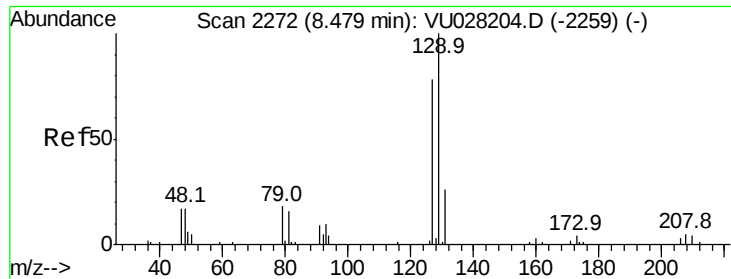
Tot Ion: 75 Resp: 1699
 Ion Ratio Lower Upper
 75 100
 77 37.4 20.9 38.9



#48
 2-Hexanone
 Concen: 0.304 ug/L
 RT: 8.37 min Scan# 2237
 Delta R.T. -0.00 min
 Lab File: VU028208.D
 Acq: 17 Nov 2018 01:42

Tgt Ion: 43 Resp: 2083
 Ion Ratio Lower Upper
 43 100
 58 82.4 41.7 62.5#
 57 35.6 14.0 21.0#
 100 1.0 7.2 10.8#





#49

Dibromochloromethane

Concen: 0.064 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU028208.D

Acq: 17 Nov 2018 01:42

Instrument :

MSVOA_U

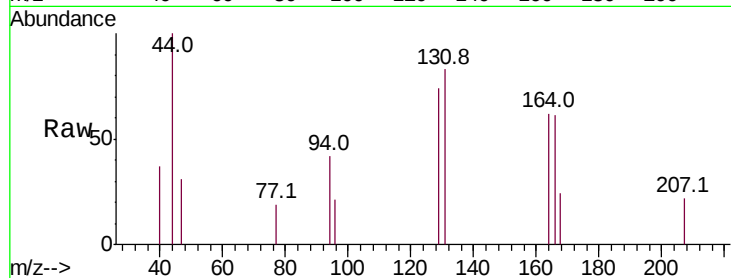
ClientSampled :

Tot Ion:129 Resp: 576

Ion Ratio Lower Upper

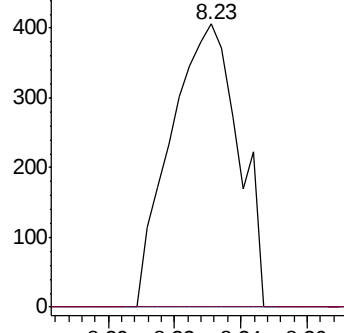
129 100

127 0.0 54.1 100.5#

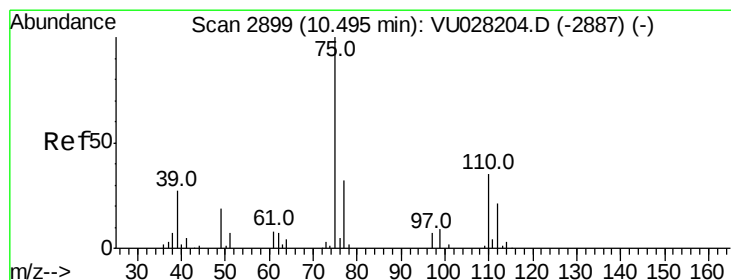
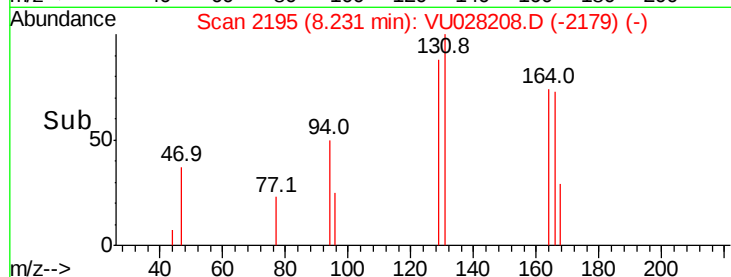


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.286 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028208.D

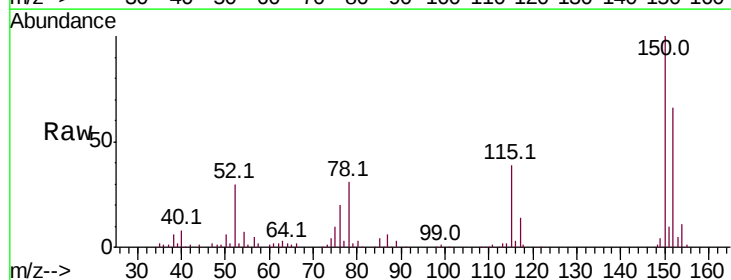
Acq: 17 Nov 2018 01:42

Tgt Ion: 75 Resp: 10116

Ion Ratio Lower Upper

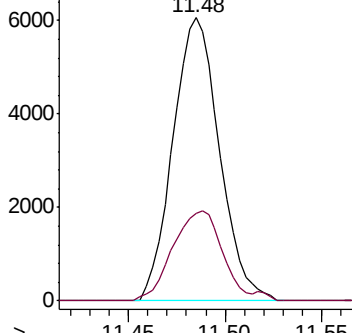
75 100

77 33.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->

