

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\
 Data File : VU028207.D
 Acq On : 17 Nov 2018 01:18
 Operator : MD/SY
 Sample : J5986-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 03:50:55 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	156550	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	150004	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68362	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63862	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.68	69	50802	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.28	63	92299	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	4.20	46	217093	57.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.24%
24) Chloroform-d	4.65	84	105725	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.31	65	63341	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.34	84	218584	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.33	67	80602	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.57	98	189289	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.85	79	23829	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.31	63	163833	52.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57422	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	65092	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	91391	5.450	ug/L	99
8) Chloroethane	1.68	64	1429	0.142	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	750	0.073	ug/L #	20
12) 1,1-Dichloroethene	2.29	96	2814	0.270	ug/L #	1
13) Acetone	2.33	43	3084	1.215	ug/L	70
17) Methyl tert-butyl Ether	3.01	73	219876	7.555	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	29925	2.704	ug/L	96
19) 1,1-Dichloroethane	3.45	63	17348	0.745	ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	992064	81.306	ug/L	96
25) Chloroform	4.67	83	3171	0.152	ug/L	94
33) Benzene	5.40	78	9920	0.196	ug/L	100
34) Trichloroethene	6.19	95	192809	15.438	ug/L	97
35) Methylcyclohexane	6.33	83	16616	0.774	ug/L #	15
37) 1,2-Dichloropropane	6.33	63	8549	0.612	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1807	0.096	ug/L #	57
47) Tetrachloroethene	8.23	164	2293	0.226	ug/L #	84
49) Dibromochloromethane	8.23	129	1717	0.191	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

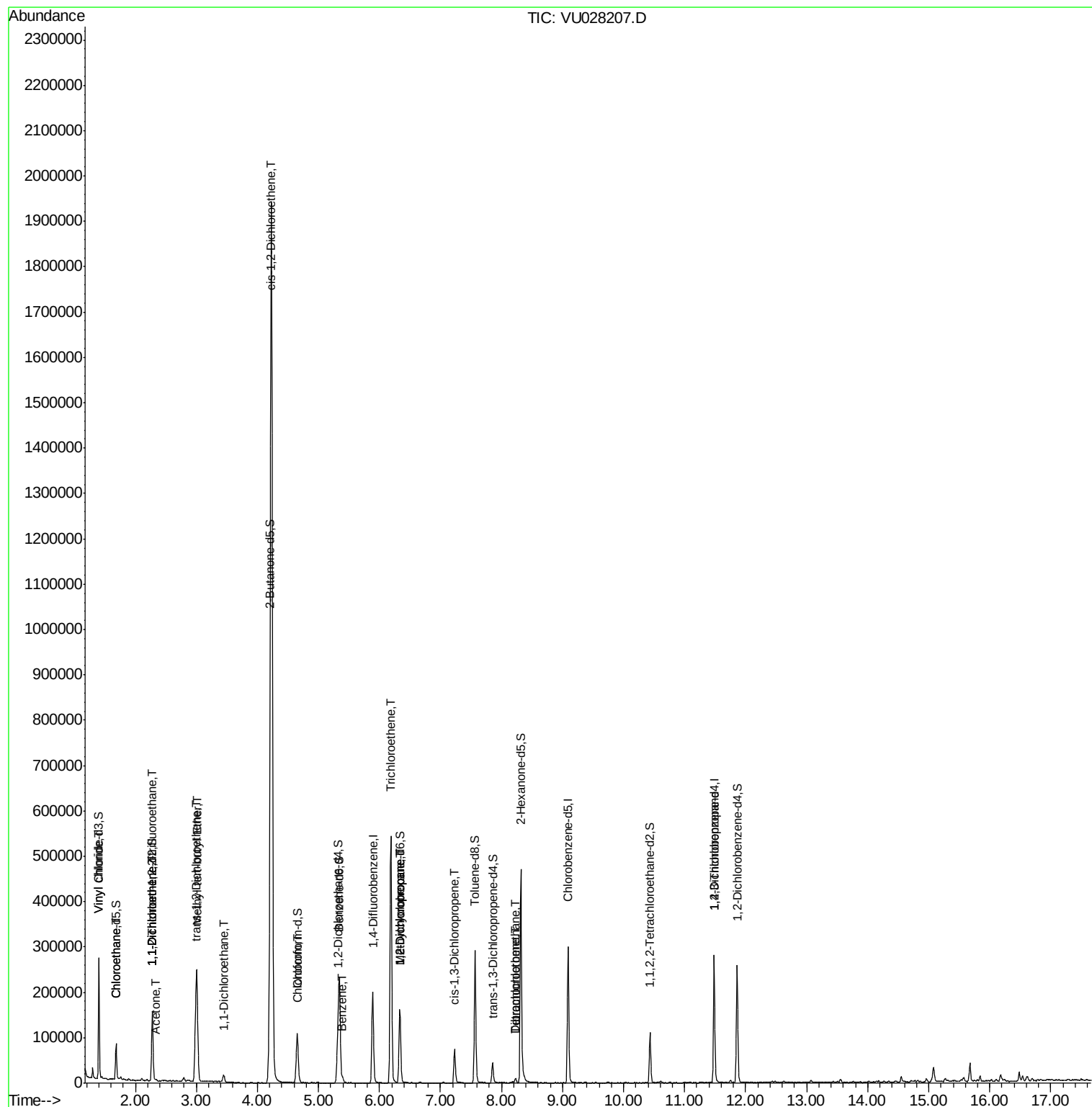
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	10095	1.286	ug/L	94

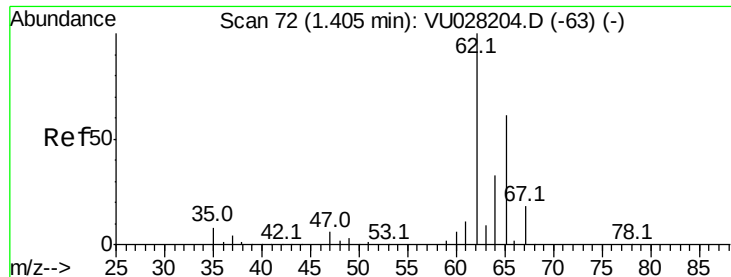
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.450 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028207.D

Acq: 17 Nov 2018 01:18

Instrument :

MSVOA_U

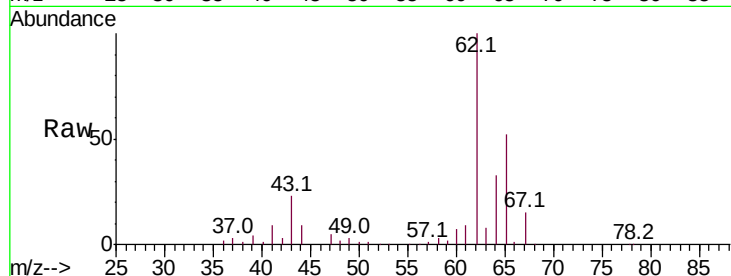
ClientSampleId :

Tot Ion: 62 Resp: 91391

Ion Ratio Lower Upper

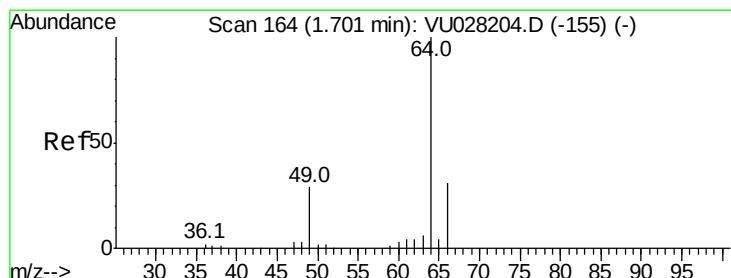
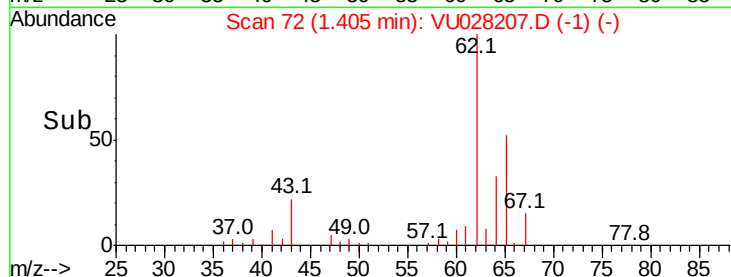
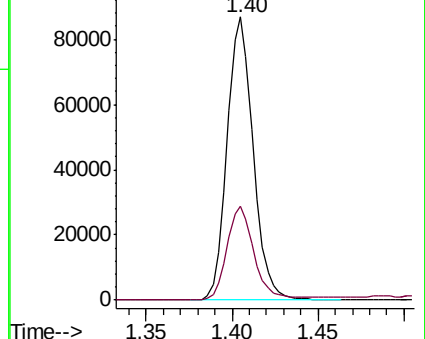
62 100

64 33.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.142 ug/L

RT: 1.68 min Scan# 159

Delta R.T. -0.02 min

Lab File: VU028207.D

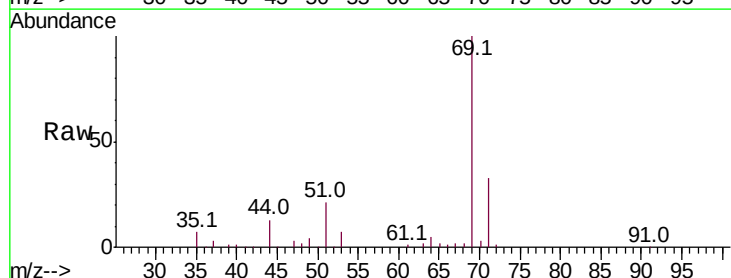
Acq: 17 Nov 2018 01:18

Tgt Ion: 64 Resp: 1429

Ion Ratio Lower Upper

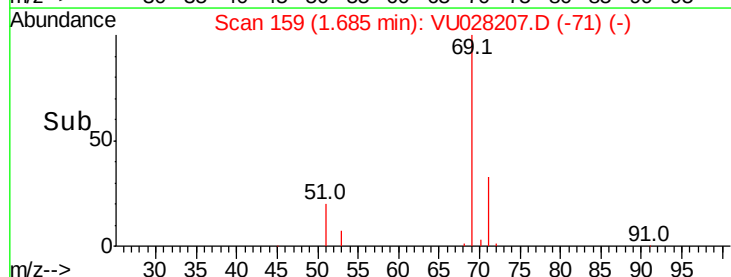
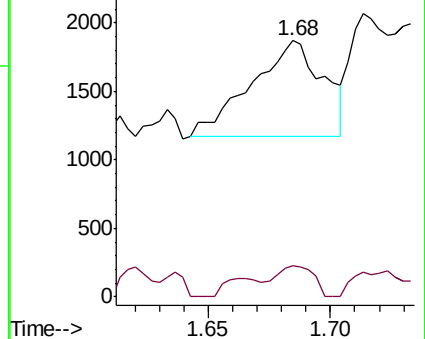
64 100

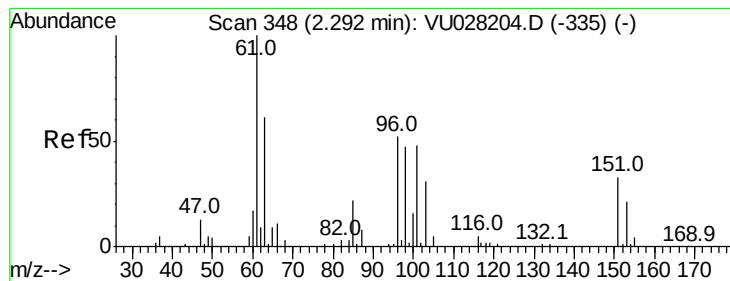
66 12.0 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.073 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028207.D

Acq: 17 Nov 2018 01:18

Instrument :

MSVOA_U

ClientSampled :

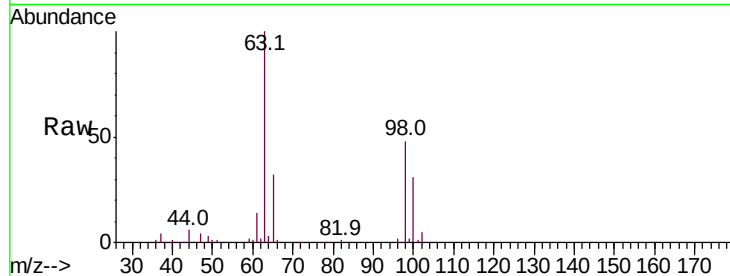
Tot Ion:101 Resp: 750

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

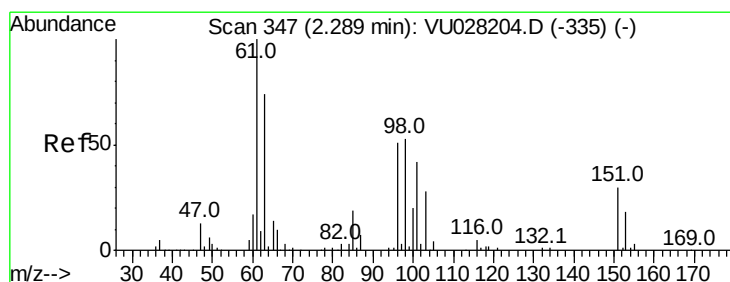
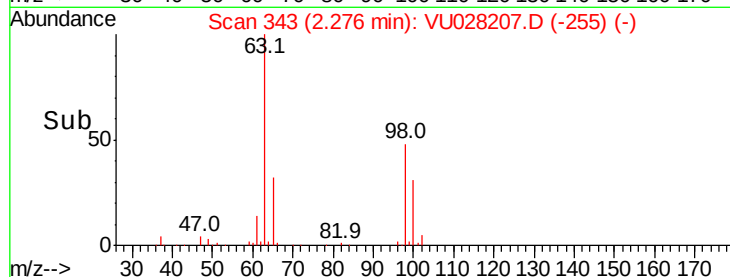
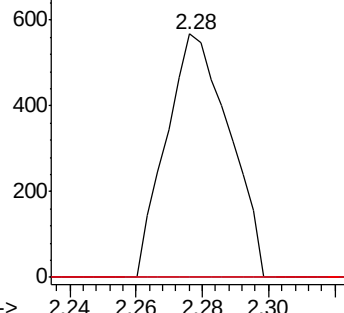
151 0.0 58.2 87.2#



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



#12

1,1-Dichloroethene

Concen: 0.270 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028207.D

Acq: 17 Nov 2018 01:18

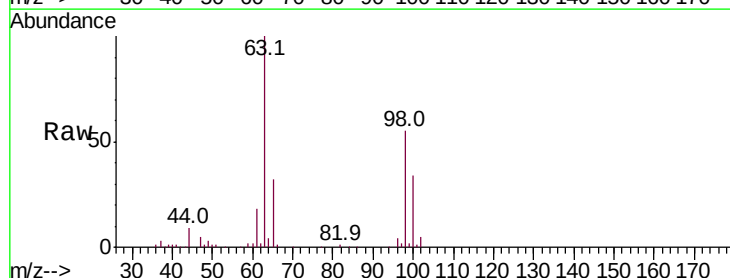
Tgt Ion: 96 Resp: 2814

Ion Ratio Lower Upper

96 100

61 430.5 134.8 250.3#

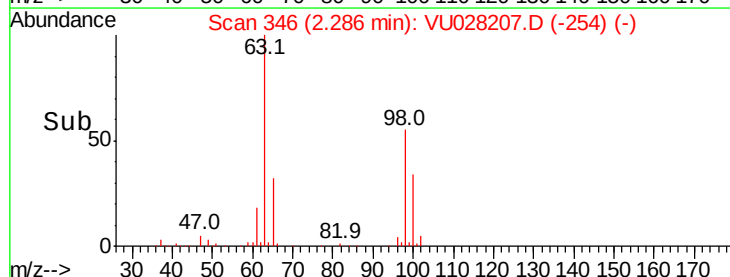
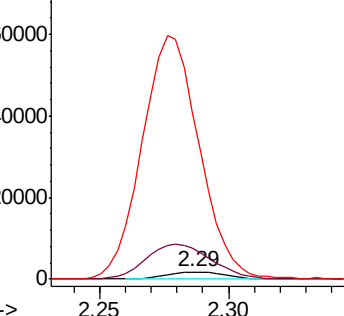
63 2375.6 100.1 185.9#

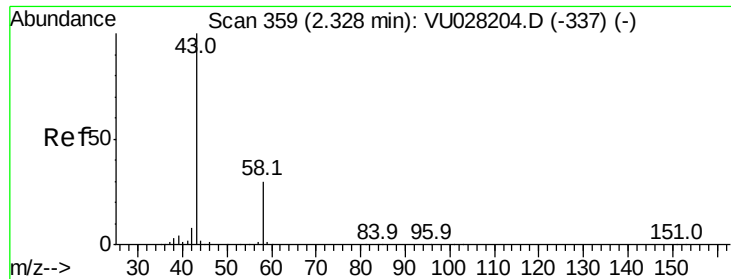


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.215 ug/L

RT: 2.33 min Scan# 361

Delta R.T. 0.01 min

Lab File: VU028207.D

Acq: 17 Nov 2018 01:18

Instrument :

MSVOA_U

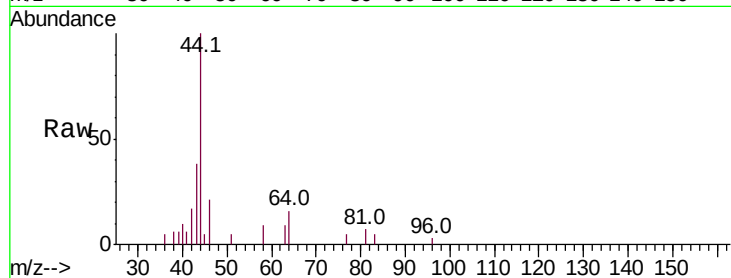
ClientSampleId :

Tot Ion: 43 Resp: 3084

Ion Ratio Lower Upper

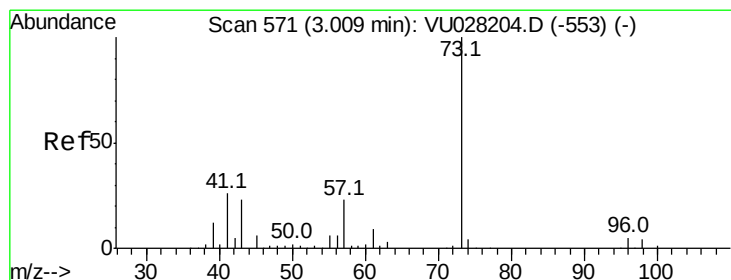
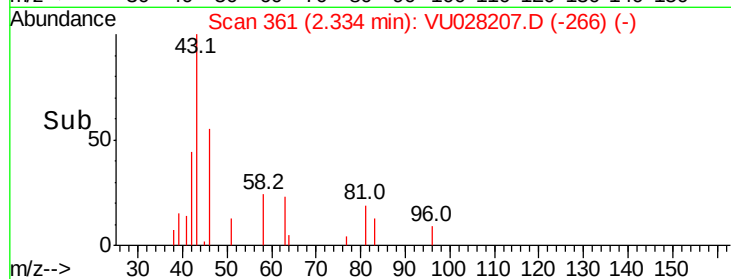
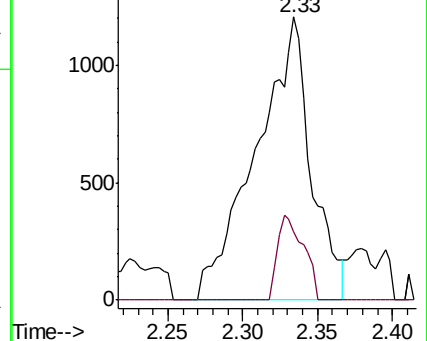
43 100

58 14.1 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#17

Methyl tert-butyl Ether

Concen: 7.555 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU028207.D

Acq: 17 Nov 2018 01:18

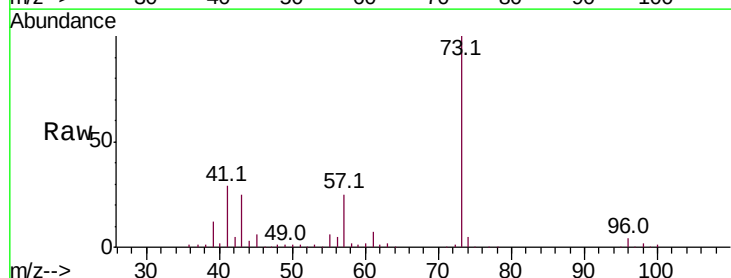
Tgt Ion: 73 Resp: 219876

Ion Ratio Lower Upper

73 100

43 24.6 18.1 27.1

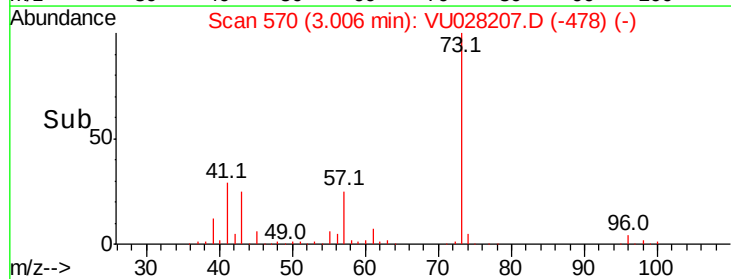
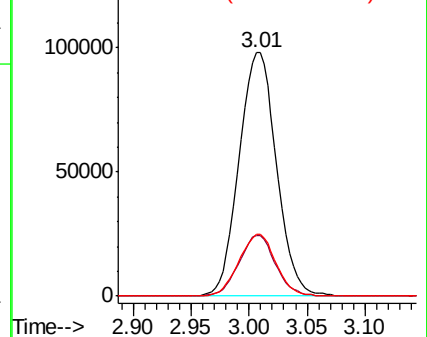
57 25.0 20.0 30.0

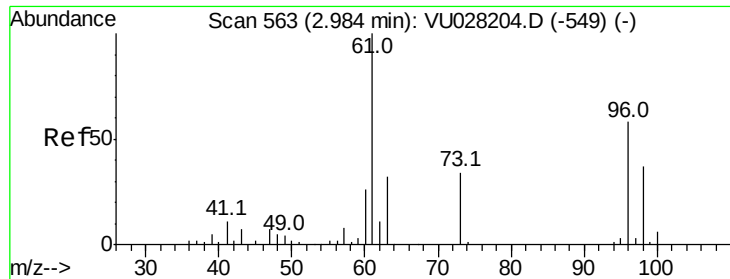


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

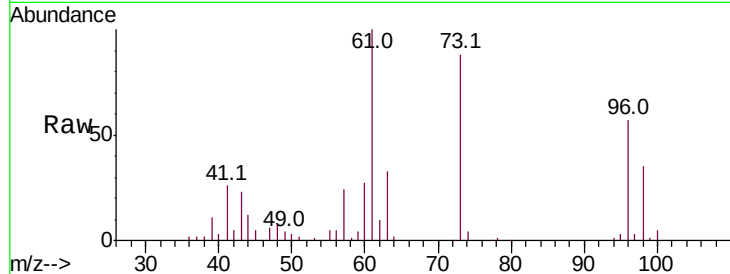




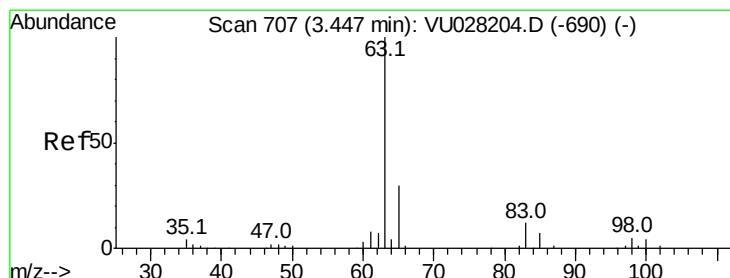
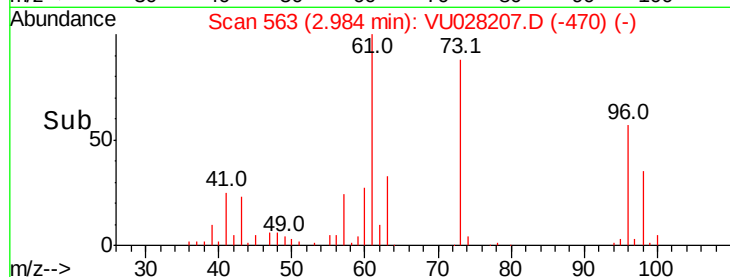
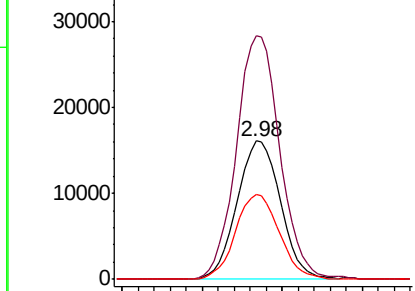
#18
trans-1,2-Dichloroethene
Concen: 2.704 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028207.D
Acq: 17 Nov 2018 01:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 29925
Ion Ratio Lower Upper
96 100
61 175.8 118.5 220.1
98 61.2 44.9 83.5

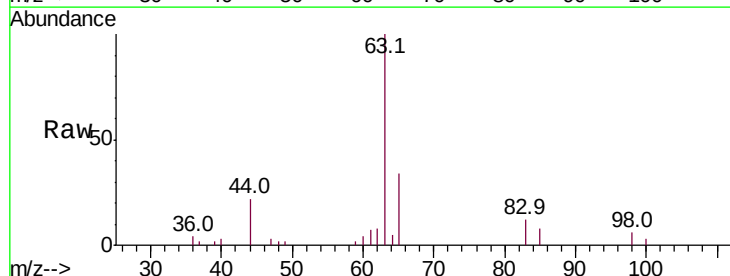


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

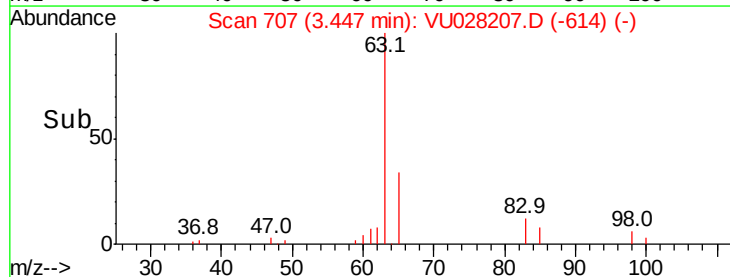
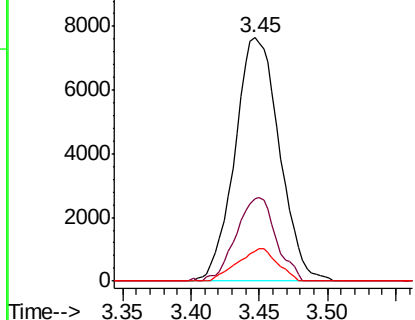


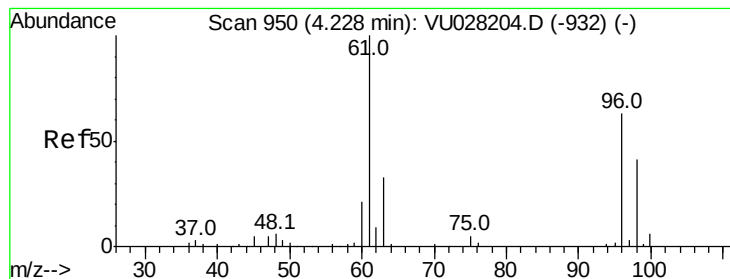
#19
1,1-Dichloroethane
Concen: 0.745 ug/L
RT: 3.45 min Scan# 707
Delta R.T. -0.00 min
Lab File: VU028207.D
Acq: 17 Nov 2018 01:18

Tgt Ion: 63 Resp: 17348
Ion Ratio Lower Upper
63 100
65 33.7 22.2 41.2
83 12.3 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: 81.306 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028207.D

Acq: 17 Nov 2018 01:18

Instrument :
MSVOA_U
ClientSampleId :

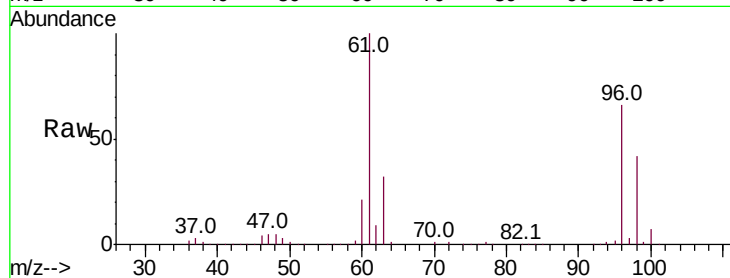
Tot Ion: 96 Resp: 992064

Ion Ratio Lower Upper

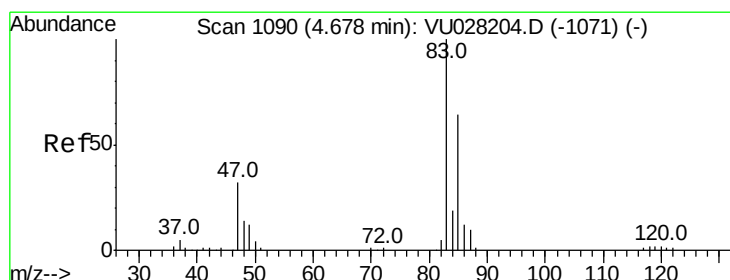
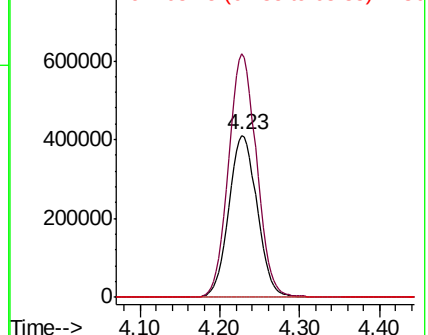
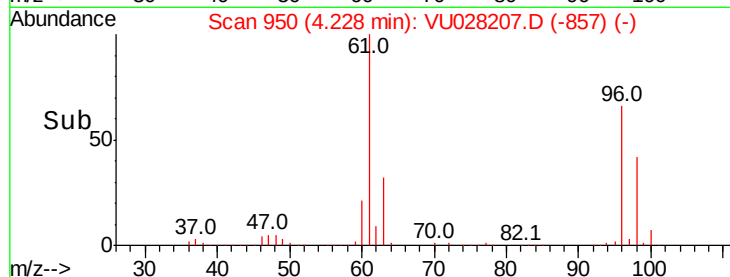
96 100

61 150.6 101.8 189.0

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: 0.152 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU028207.D

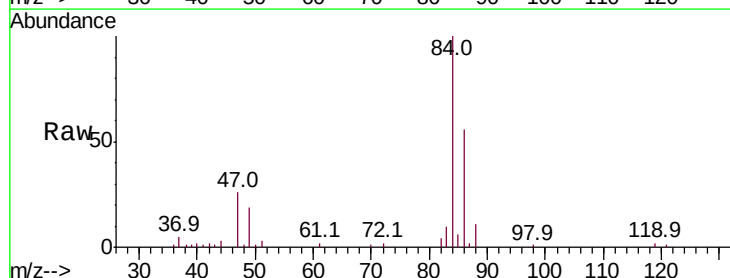
Acq: 17 Nov 2018 01:18

Tgt Ion: 83 Resp: 3171

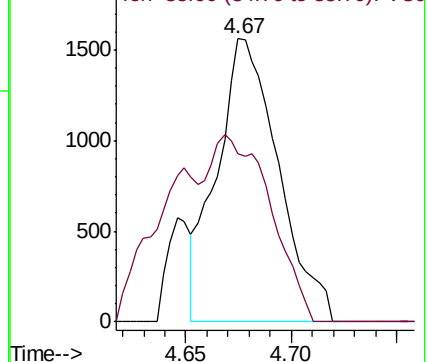
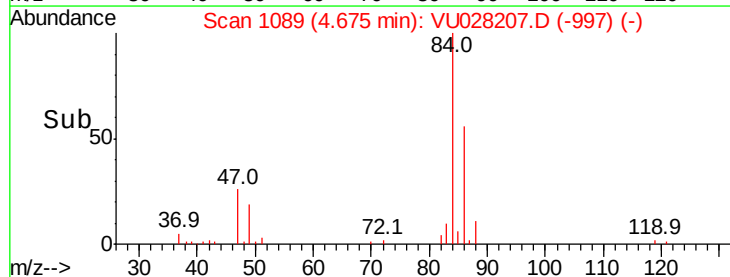
Ion Ratio Lower Upper

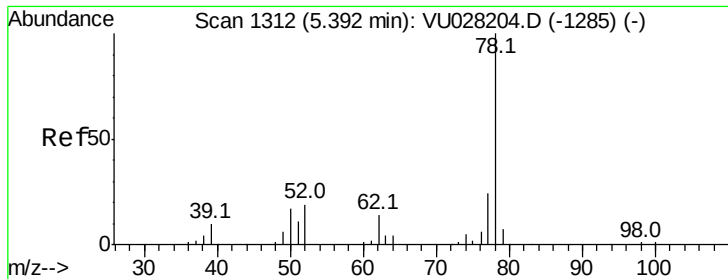
83 100

85 59.5 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: 0.196 ug/L

RT: 5.40 min Scan# 1313

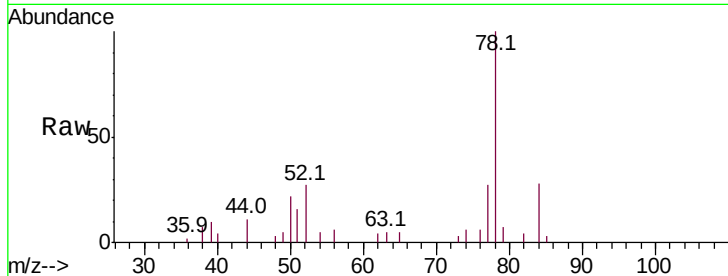
Delta R.T. 0.00 min

Lab File: VU028207.D

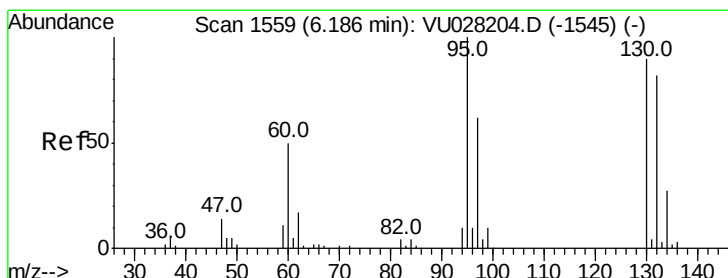
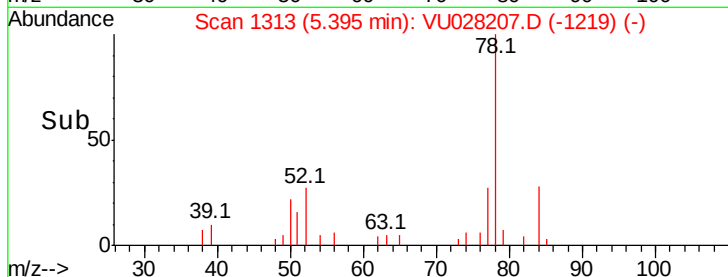
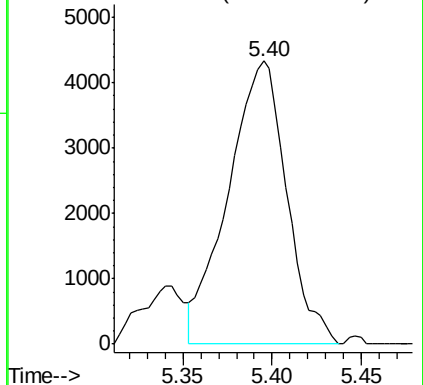
Acq: 17 Nov 2018 01:18

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 9920



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 15.438 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028207.D

Acq: 17 Nov 2018 01:18

Tgt Ion: 95 Resp: 192809

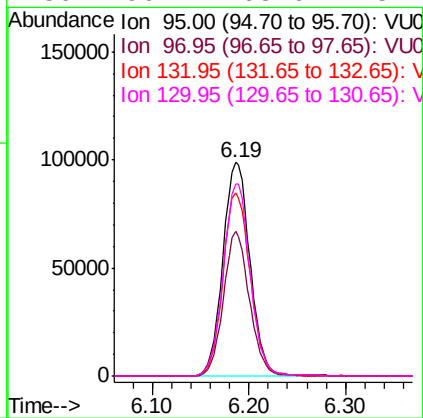
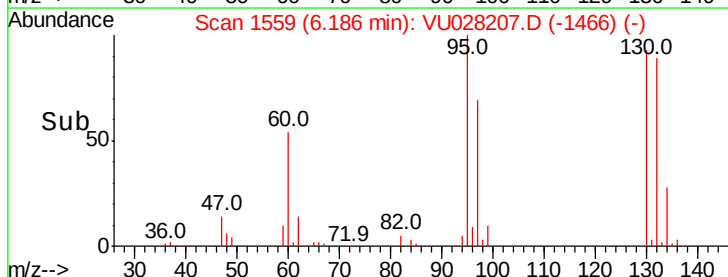
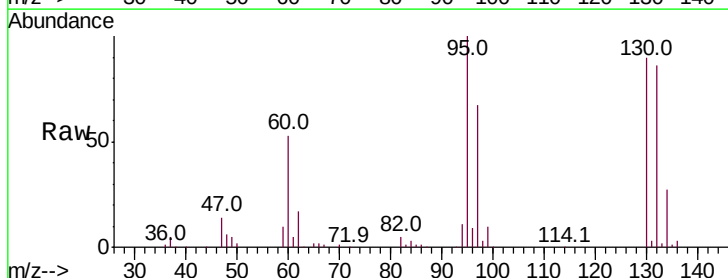
Ion	Ratio	Lower	Upper
95	100		
97	67.4	45.3	84.1
132	86.0	63.0	117.0
130	90.1	63.6	118.2

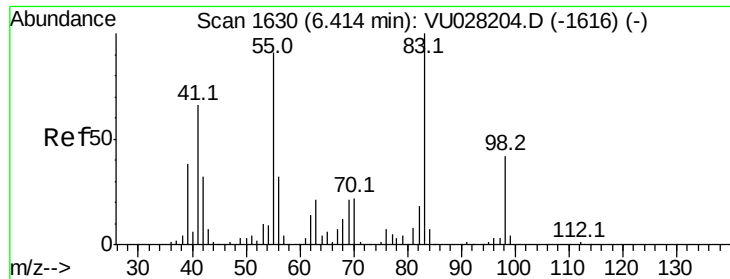
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

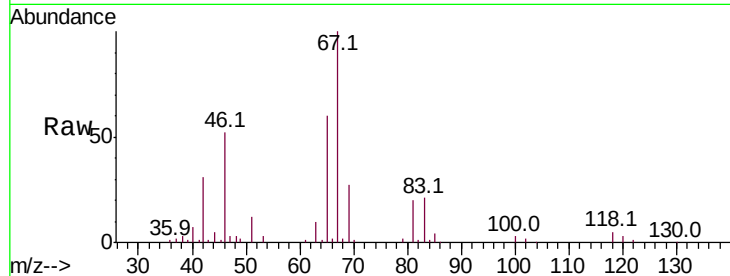




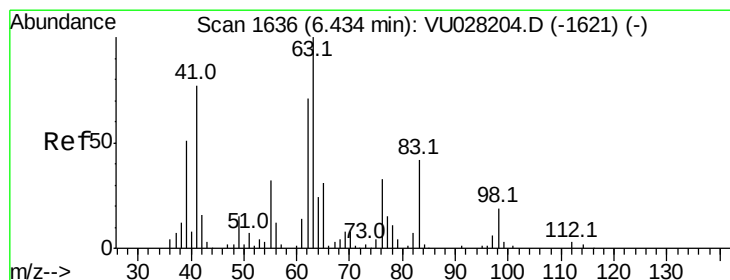
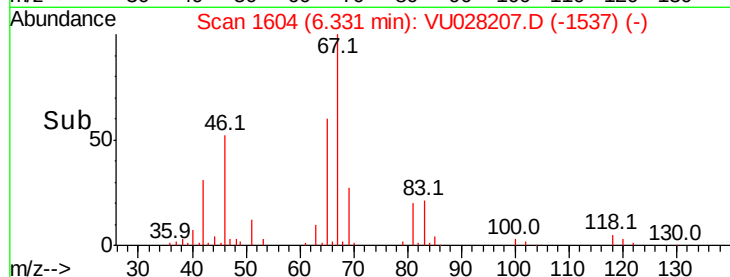
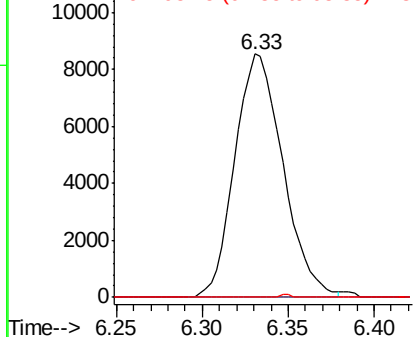
#35
Methylvlcyclohexane
Concen: 0.774 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028207.D
Acq: 17 Nov 2018 01:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 16616
Ion Ratio Lower Upper
83 100
55 0.1 69.0 103.4#
98 0.0 33.3 49.9#

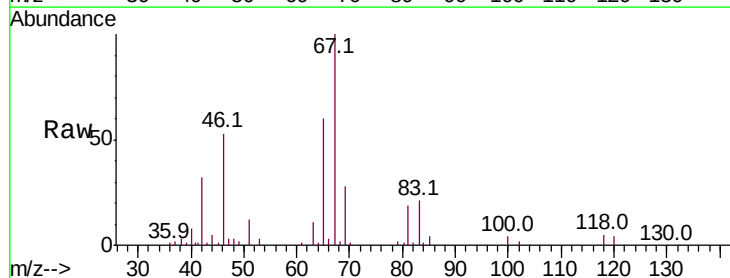


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

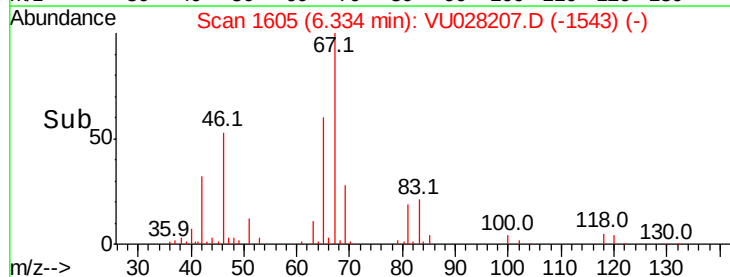
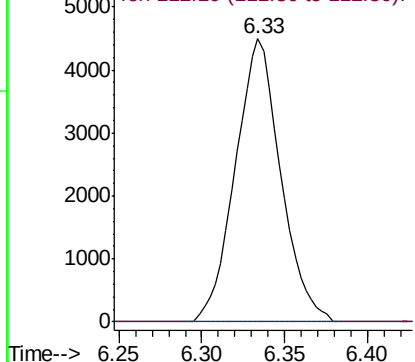


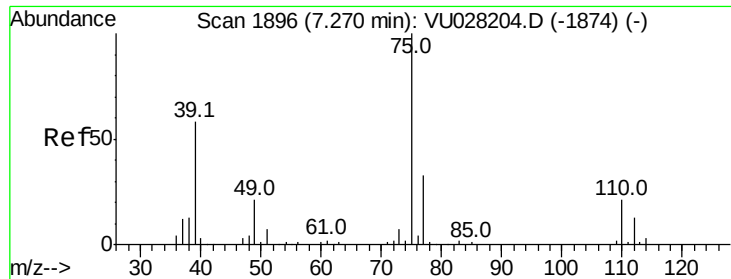
#37
1,2-Dichloropropane
Concen: 0.612 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028207.D
Acq: 17 Nov 2018 01:18

Tgt Ion: 63 Resp: 8549
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.4#



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



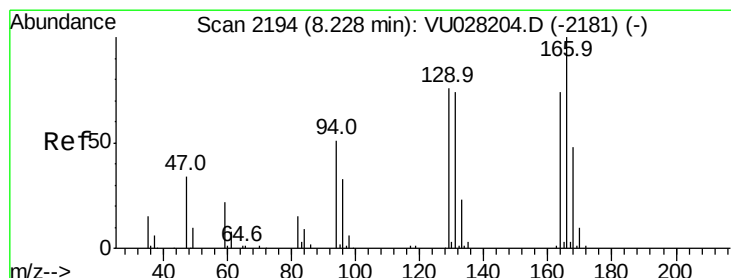
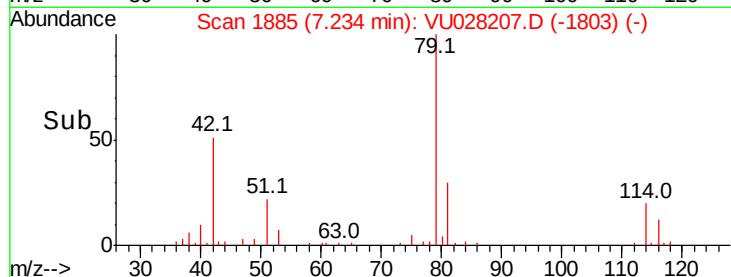
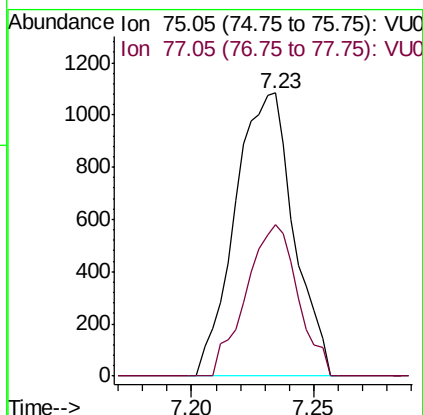
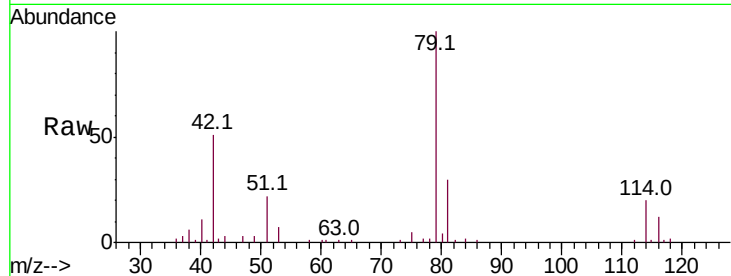


#39

cis-1,3-Dichloropropene
Concen: 0.096 ug/L
RT: 7.23 min Scan# 1885
Delta R.T. -0.04 min
Lab File: VU028207.D
Acq: 17 Nov 2018 01:18

Instrument :
MSVOA_U
ClientSampleId :

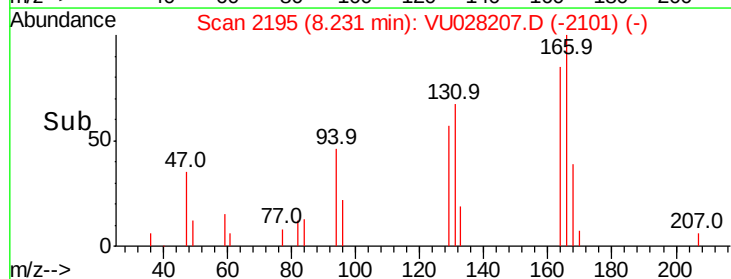
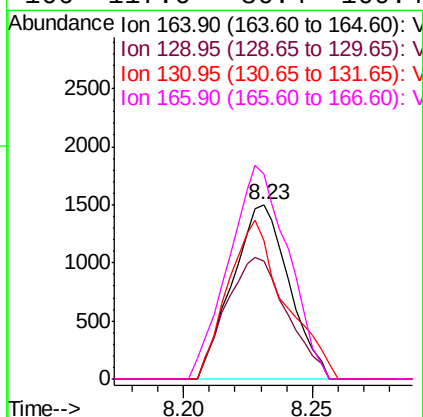
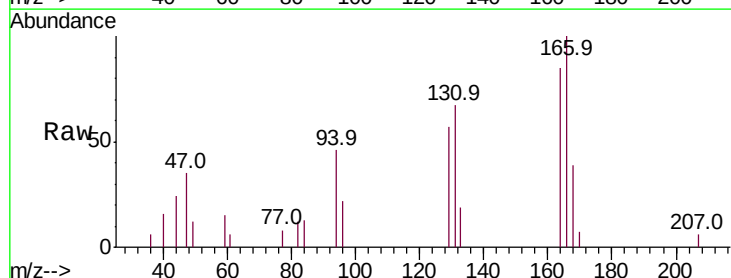
Tot Ion: 75 Resp: 1807
Ion Ratio Lower Upper
75 100
77 53.3 20.9 38.9#

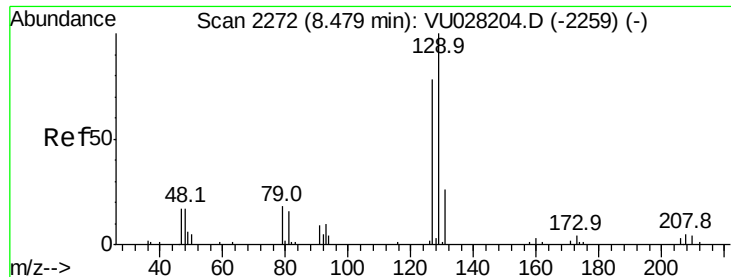


#47

Tetrachloroethene
Concen: 0.226 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028207.D
Acq: 17 Nov 2018 01:18

Tgt Ion:164 Resp: 2293
Ion Ratio Lower Upper
164 100
129 67.5 69.7 129.4#
131 79.3 64.0 118.8
166 117.6 86.4 160.4





#49

Dibromochloromethane

Concen: 0.191 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028207.D

Acq: 17 Nov 2018 01:18

Instrument :

MSVOA_U

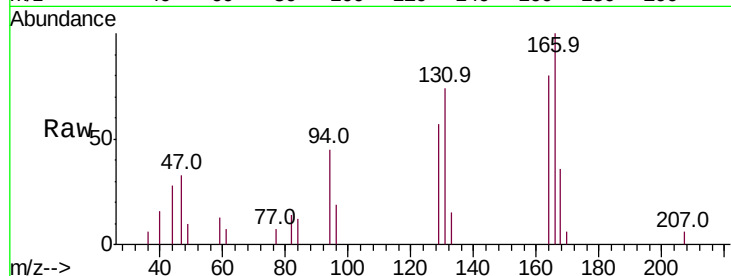
ClientSampled :

Tot Ion:129 Resp: 1717

Ion Ratio Lower Upper

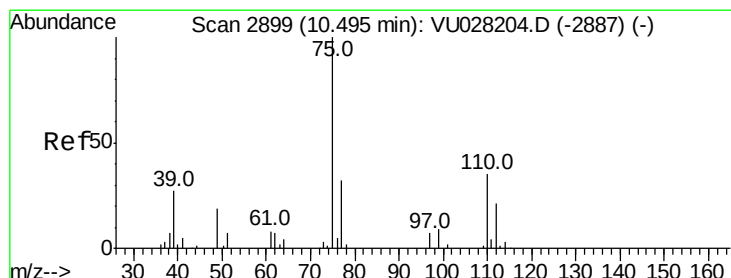
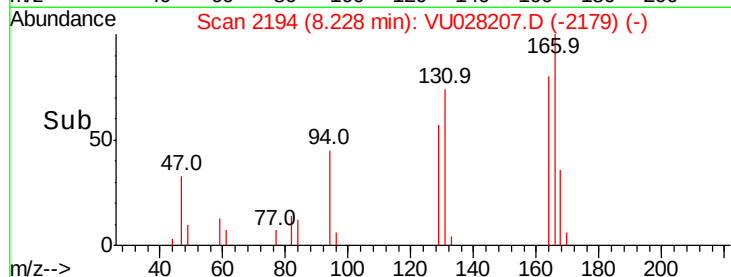
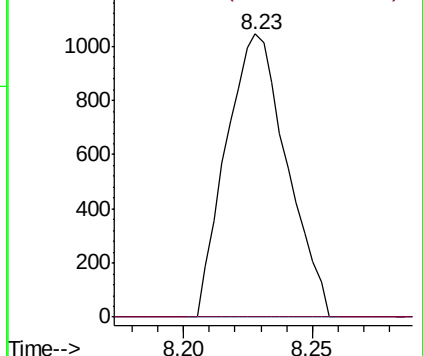
129 100

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



#59

1,2,3-Trichloropropane

Concen: 1.286 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028207.D

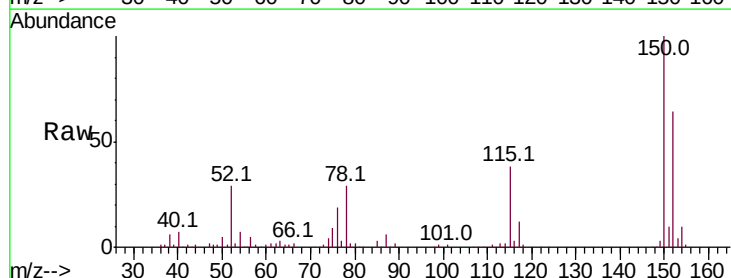
Acq: 17 Nov 2018 01:18

Tgt Ion: 75 Resp: 10095

Ion Ratio Lower Upper

75 100

77 35.2 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

