

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028284.D
 Acq On : 20 Nov 2018 17:46
 Operator : MD/SY
 Sample : J5995-07DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:10:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 07:07:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	126003	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	119709	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	50486	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38701	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.68	69	37649	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.28	63	59912	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.20	46	181328	57.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.30%
24) Chloroform-d	4.65	84	83773	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	49490	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.34	84	162844	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.33	67	64562	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.57	98	132687	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.85	79	18056	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.31	63	128516	53.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	48713	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	50181	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.41	62	9258	0.724 ug/L #	74
12) 1,1-Dichloroethene	2.28	96	413	0.053 ug/L #	1
13) Acetone	2.33	43	1560	0.715 ug/L	78
15) Methyl Acetate	2.62	43	593	0.103 ug/L #	59
17) Methyl tert-butyl Ether	3.01	73	161632	6.936 ug/L	98
18) trans-1,2-Dichloroethene	2.99	96	3835	0.464 ug/L	79
19) 1,1-Dichloroethane	3.45	63	3373	0.176 ug/L #	88
22) cis-1,2-Dichloroethene	4.23	96	29296	2.999 ug/L	85
25) Chloroform	4.68	83	4065	0.196 ug/L	95
34) Trichloroethene	6.19	95	20637	2.134 ug/L	93
35) Methylcyclohexane	6.33	83	13206	0.867 ug/L #	13
37) 1,2-Dichloropropane	6.33	63	6392	0.567 ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1245	0.087 ug/L #	76
47) Tetrachloroethene	8.23	164	725	0.108 ug/L	93
48) 2-Hexanone	8.36	43	1658	0.289 ug/L #	41
49) Dibromochloromethane	8.23	129	868	0.126 ug/L #	10
59) 1,2,3-Trichloropropane	11.49	75	7238	1.111 ug/L	92

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QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration

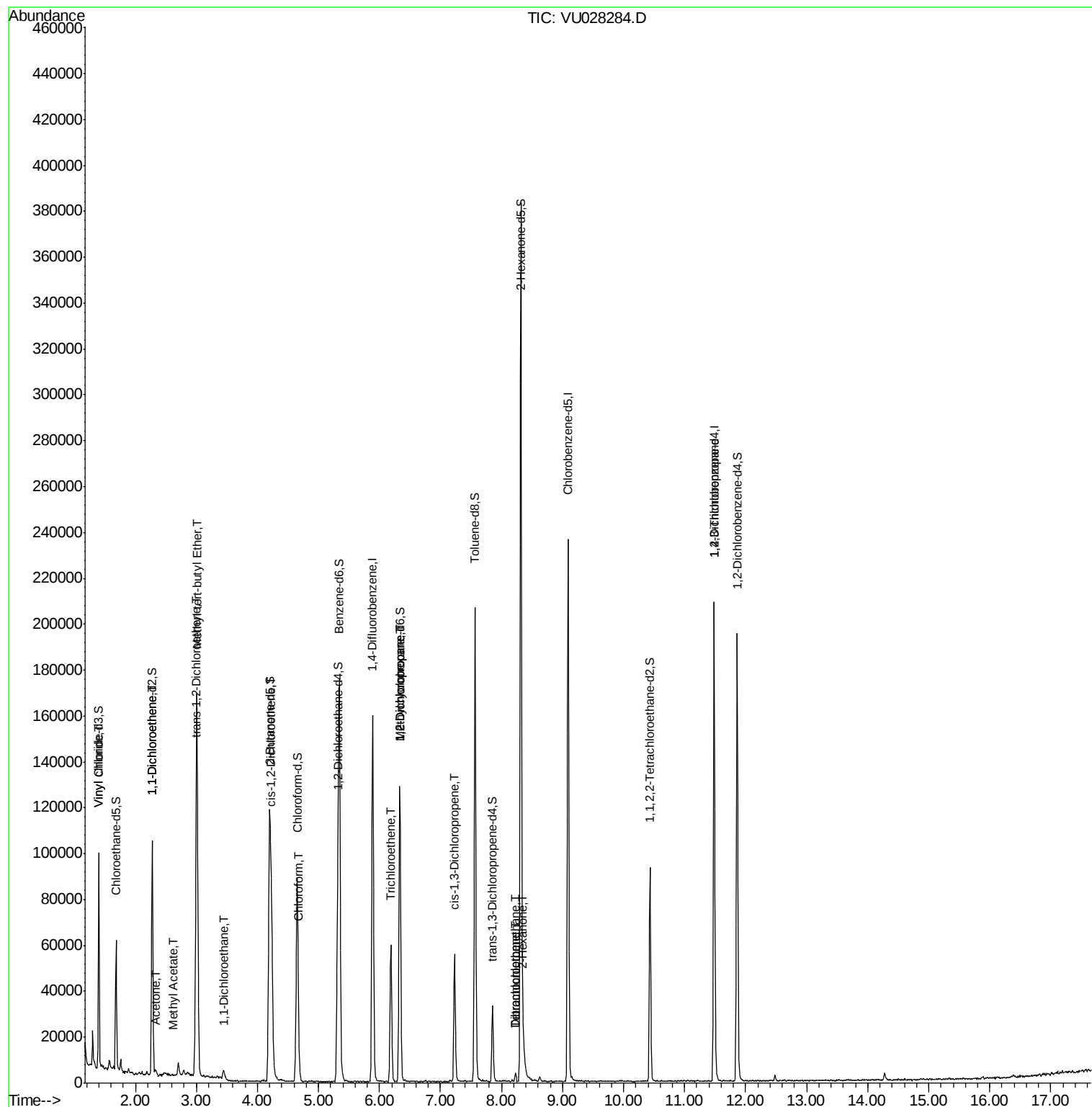
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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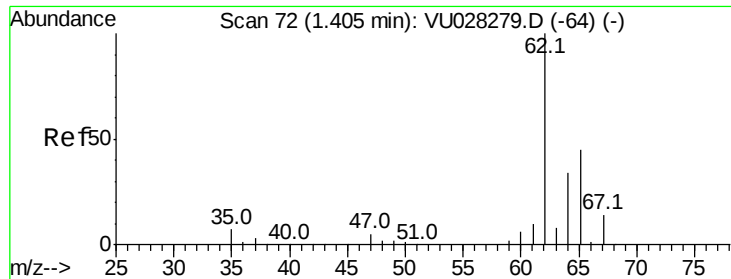
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.724 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028284.D

Acq: 20 Nov 2018 17:46

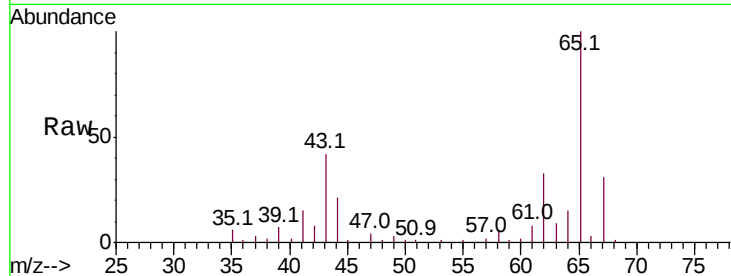
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 9258

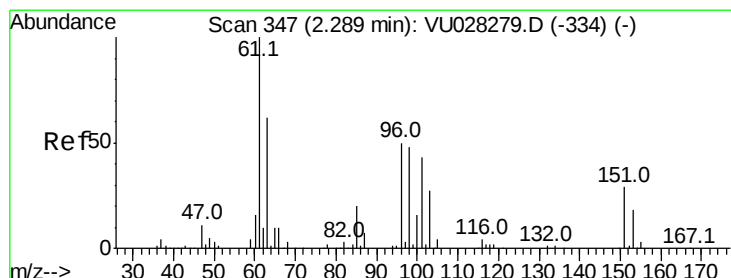
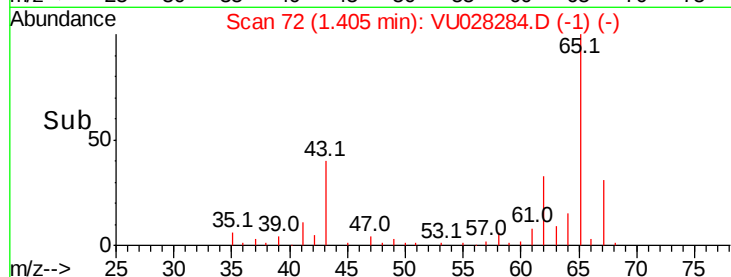
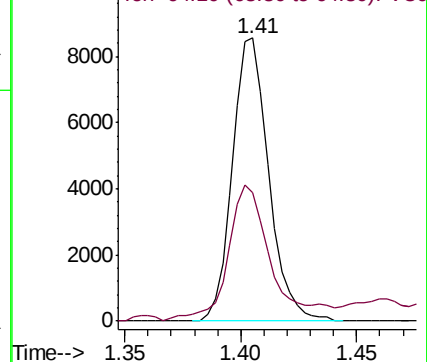
Ion Ratio Lower Upper

62 100

64 45.4 21.7 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.053 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028284.D

Acq: 20 Nov 2018 17:46

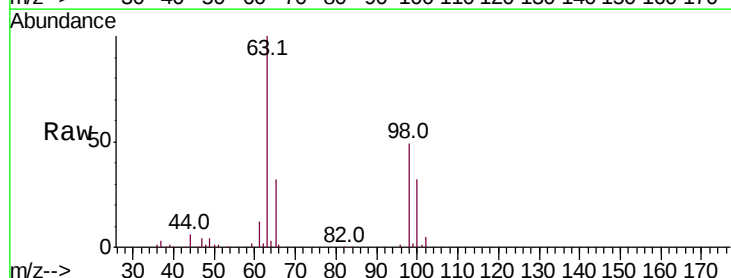
Tgt Ion: 96 Resp: 413

Ion Ratio Lower Upper

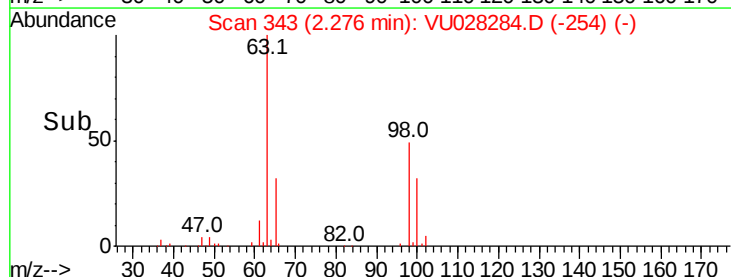
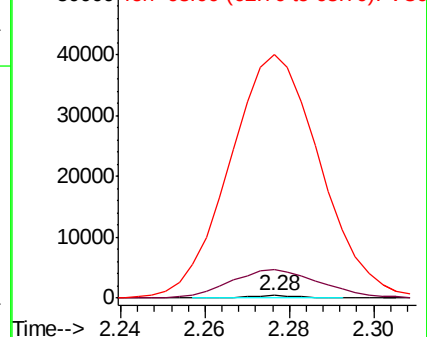
96 100

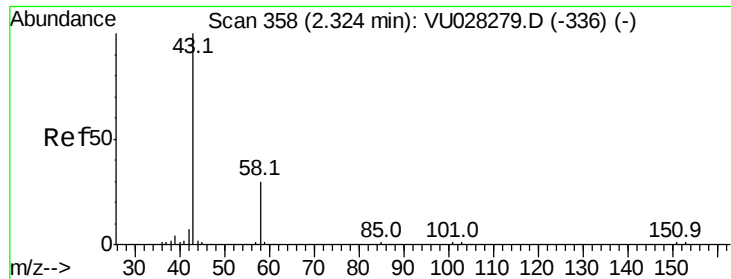
61 1164.1 145.5 270.1#

63 9910.9 98.6 183.2#



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: 0.715 ug/L

RT: 2.33 min Scan# 361

Delta R.T. 0.01 min

Lab File: VU028284.D

Acq: 20 Nov 2018 17:46

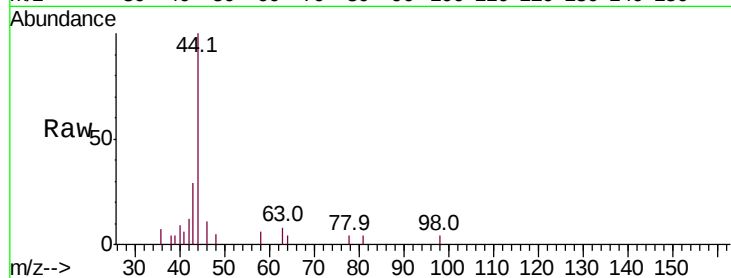
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1560

Ion Ratio Lower Upper

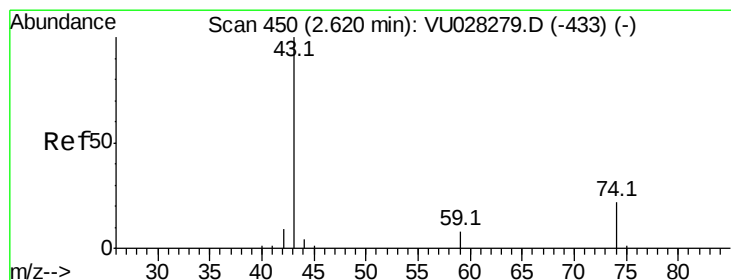
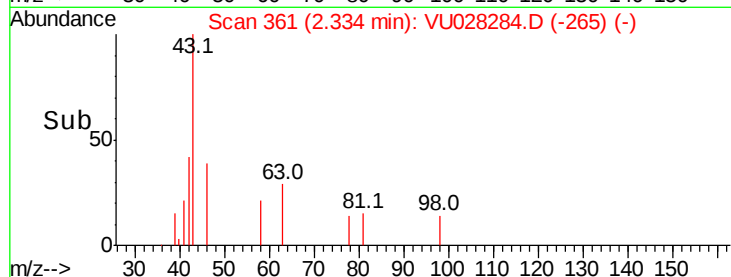
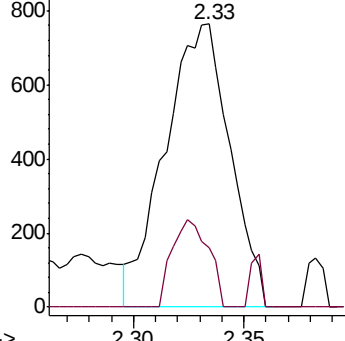
43 100

58 17.5 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.103 ug/L

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU028284.D

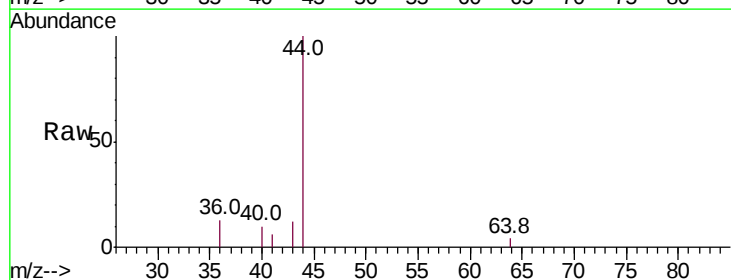
Acq: 20 Nov 2018 17:46

Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

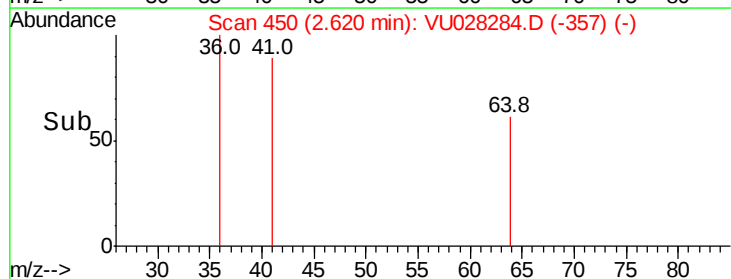
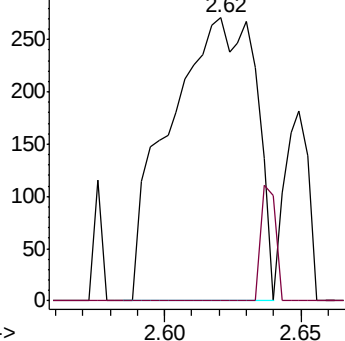
43 100

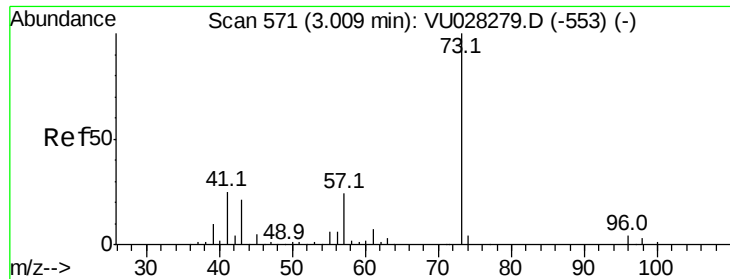
74 0.0 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

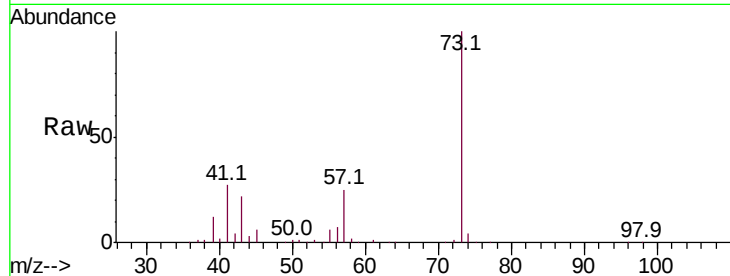




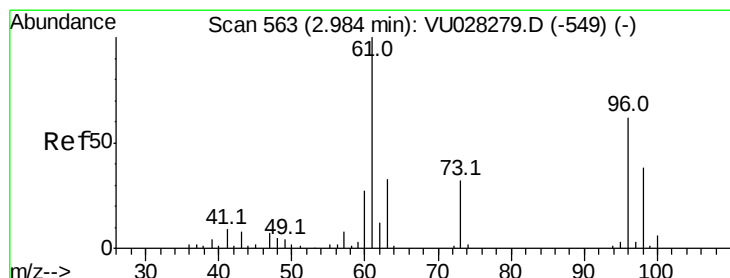
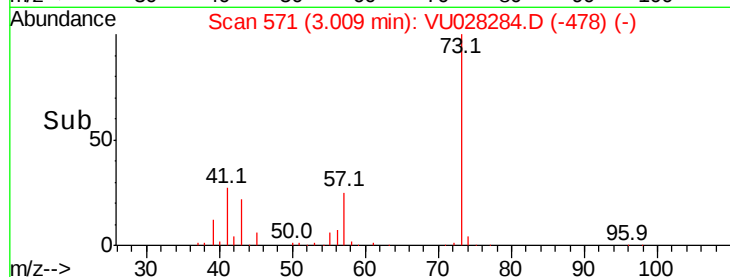
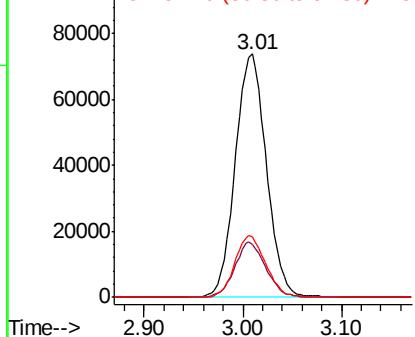
#17
Methvl tert-butvl Ether
Concen: 6.936 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 161632
Ion Ratio Lower Upper
73 100
43 22.7 18.8 28.2
57 25.1 19.2 28.8

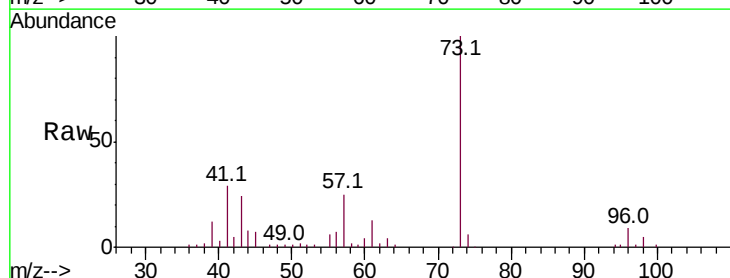


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

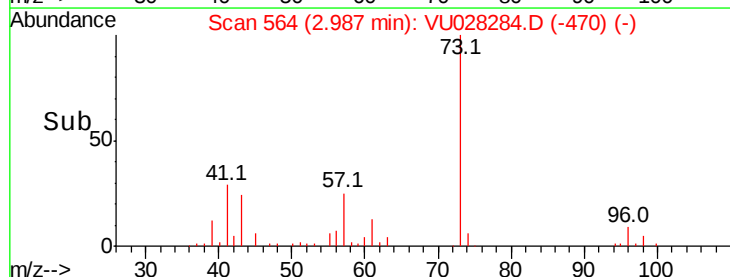
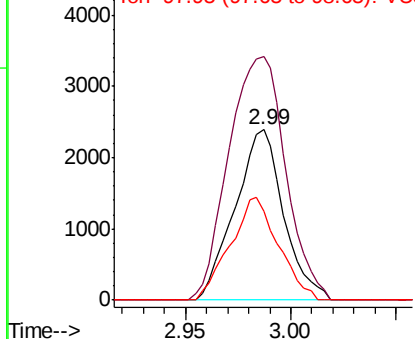


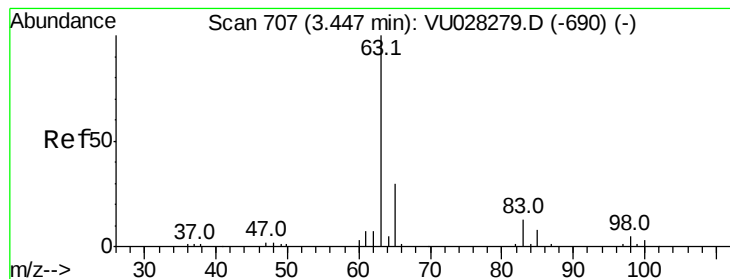
#18
trans-1,2-Dichloroethene
Concen: 0.464 ug/L
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

Tgt Ion: 96 Resp: 3835
Ion Ratio Lower Upper
96 100
61 143.0 122.2 227.0
98 52.4 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: 0.176 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

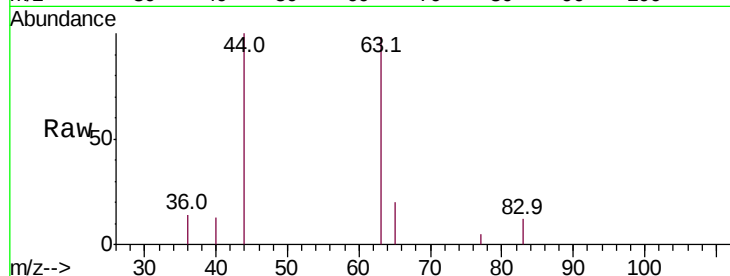
Lab File: VU028284.D

Acq: 20 Nov 2018 17:46

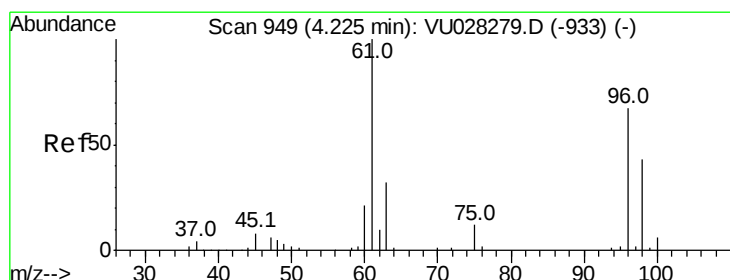
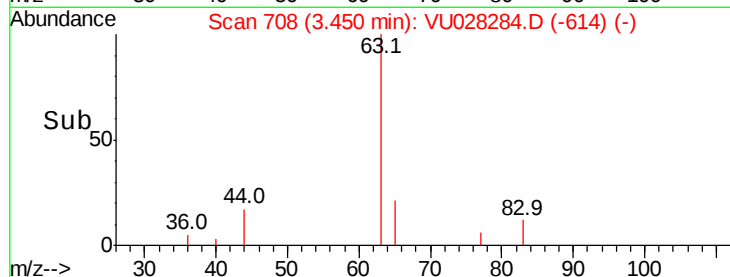
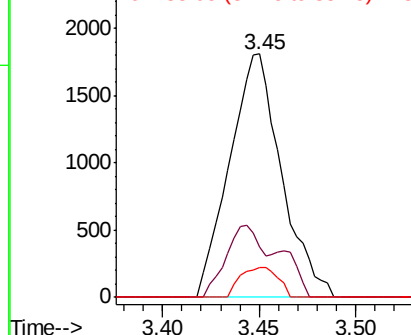
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 3373

Ion	Ratio	Lower	Upper
63	100		
65	20.8	21.2	39.4#
83	12.5	8.8	16.4



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: 2.999 ug/L

RT: 4.23 min Scan# 950

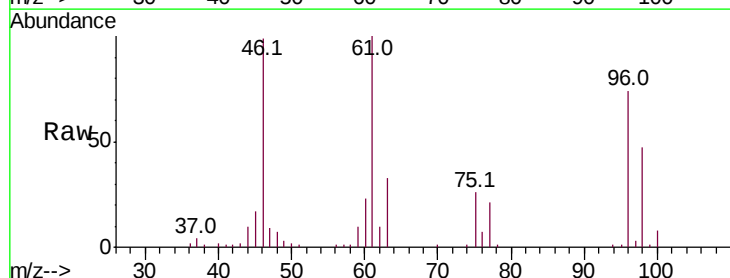
Delta R.T. 0.00 min

Lab File: VU028284.D

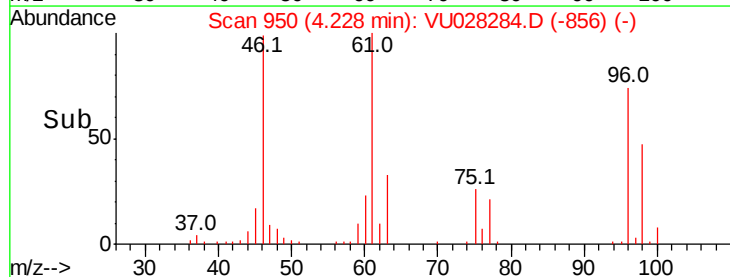
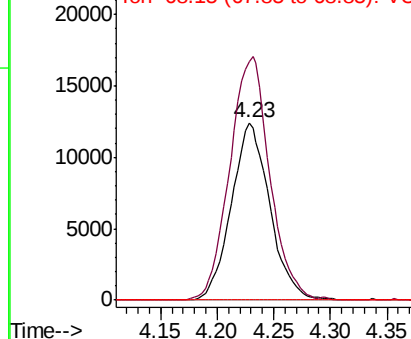
Acq: 20 Nov 2018 17:46

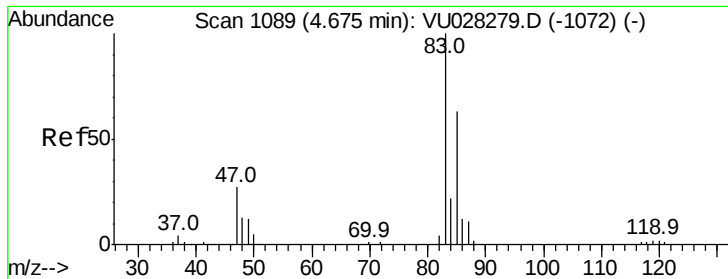
Tgt Ion: 96 Resp: 29296

Ion	Ratio	Lower	Upper
96	100		
61	134.4	108.0	200.6
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

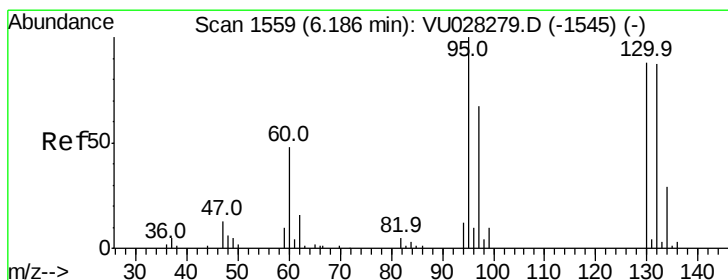
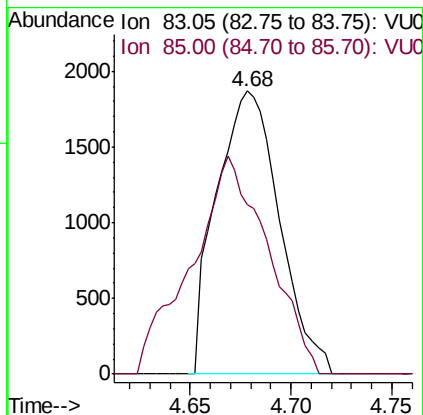
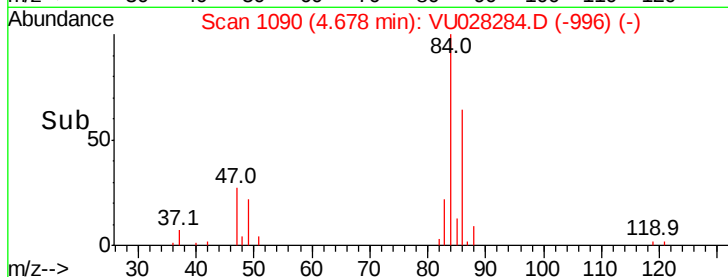
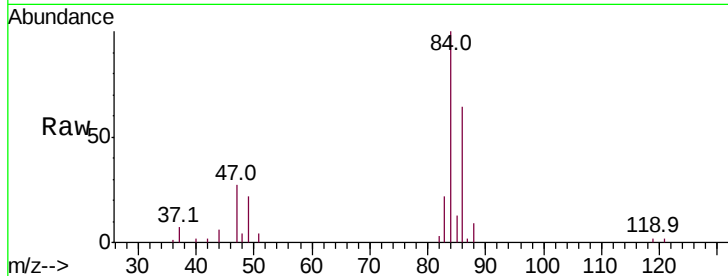




#25
Chloroform
Concen: 0.196 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

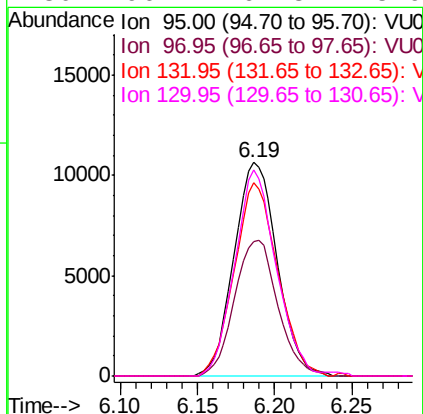
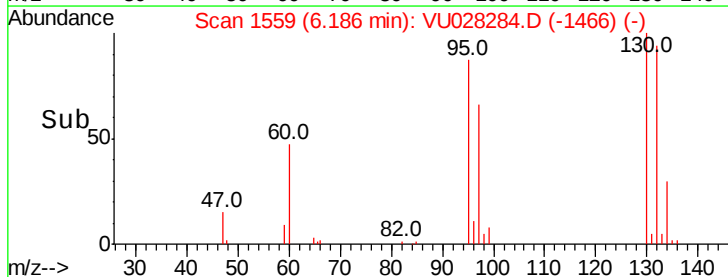
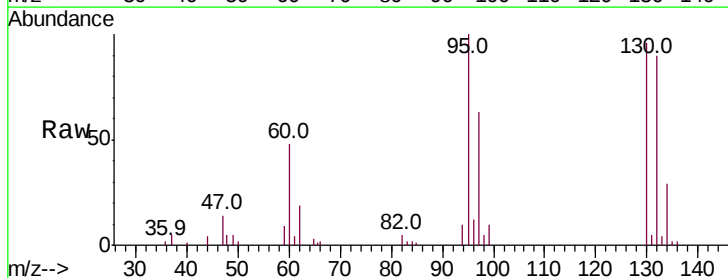
Instrument :
MSVOA_U
ClientSampleId :

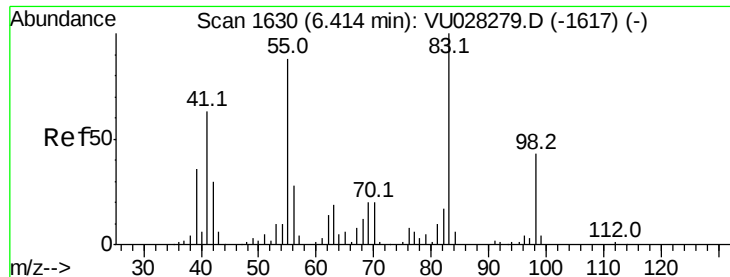
Tot Ion: 83 Resp: 4065
Ion Ratio Lower Upper
83 100
85 60.1 44.6 82.8



#34
Trichloroethene
Concen: 2.134 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

Tgt Ion: 95 Resp: 20637
Ion Ratio Lower Upper
95 100
97 63.2 46.5 86.3
132 90.3 58.9 109.3
130 96.2 61.3 113.9

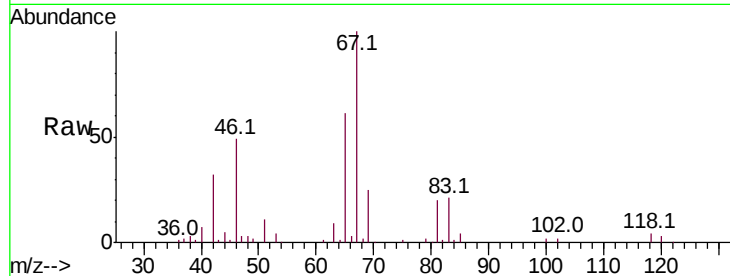




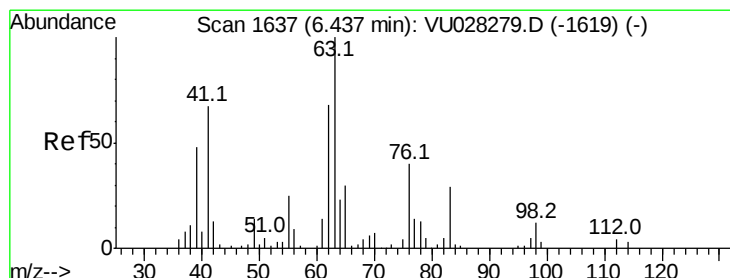
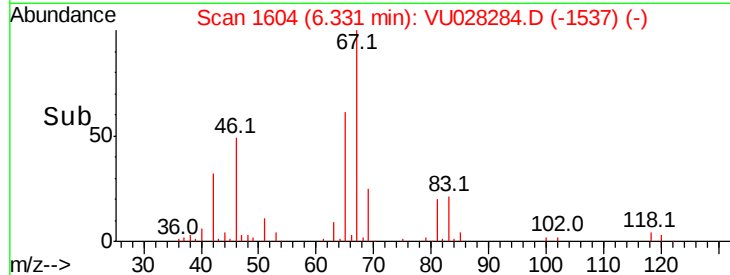
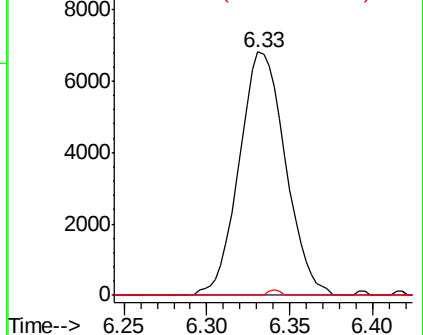
#35
Methylcyclohexane
Concen: 0.867 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 13206
Ion Ratio Lower Upper
83 100
55 0.0 73.2 109.8#
98 0.6 33.4 50.2#

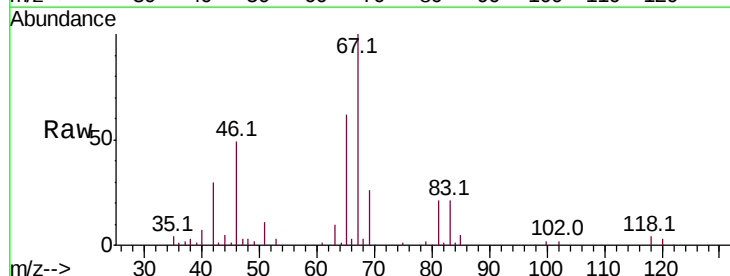


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

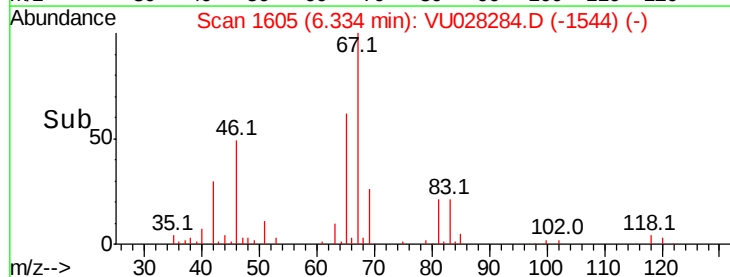
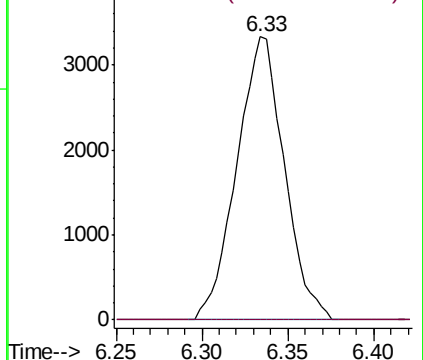


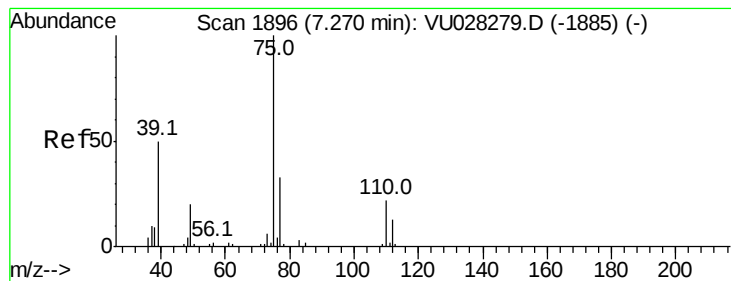
#37
1,2-Dichloropropane
Concen: 0.567 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

Tgt Ion: 63 Resp: 6392
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#



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



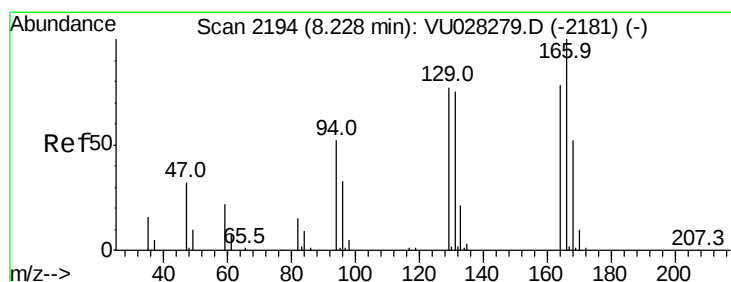
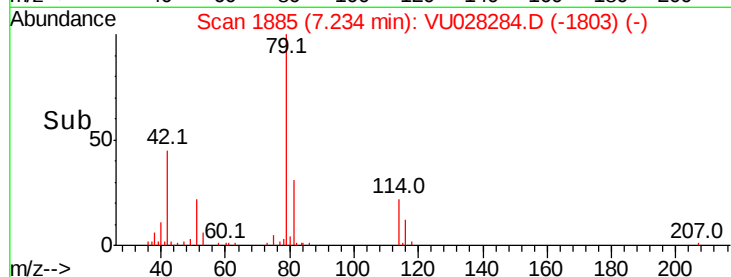
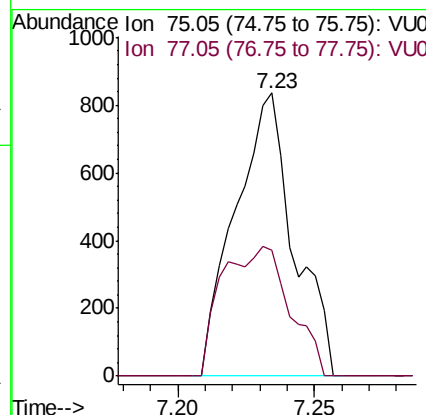
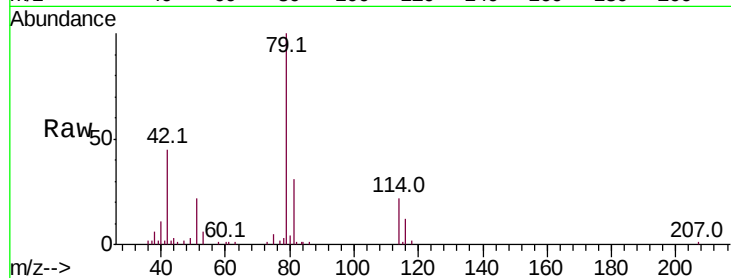


#39

cis-1,3-Dichloropropene
Concen: 0.087 ug/L
RT: 7.23 min Scan# 1885
Delta R.T. -0.04 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

Instrument :
MSVOA_U
ClientSampleId :

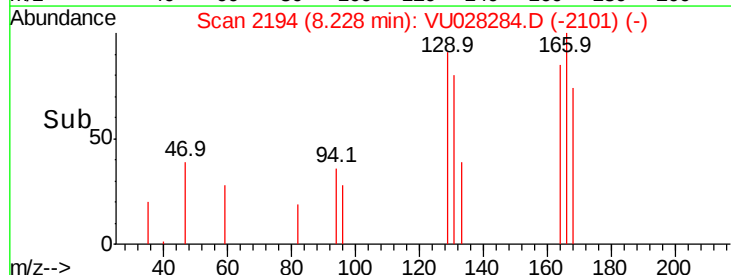
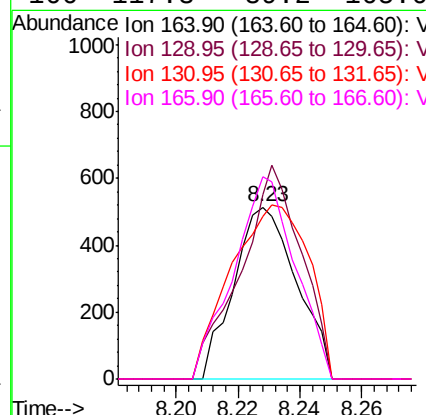
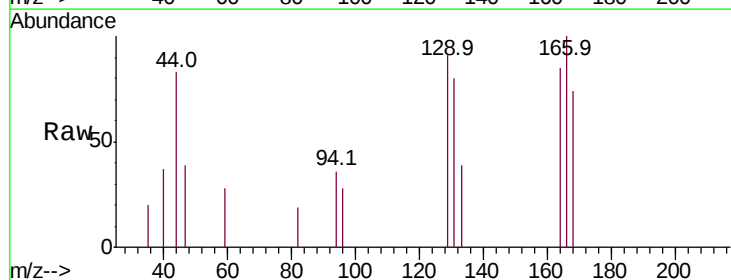
Tot Ion: 75 Resp: 1245
Ion Ratio Lower Upper
75 100
77 44.4 21.7 40.3#

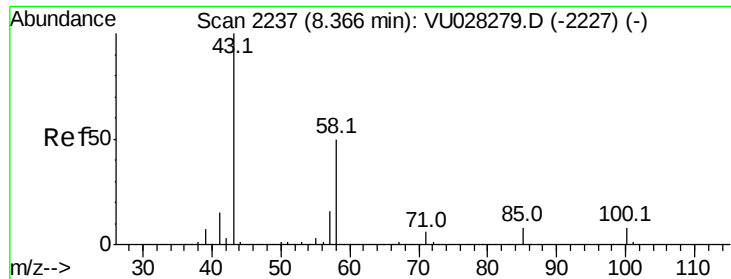


#47

Tetrachloroethene
Concen: 0.108 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

Tgt Ion: 164 Resp: 725
Ion Ratio Lower Upper
164 100
129 107.2 67.6 125.6
131 94.2 66.3 123.1
166 117.3 89.2 165.6

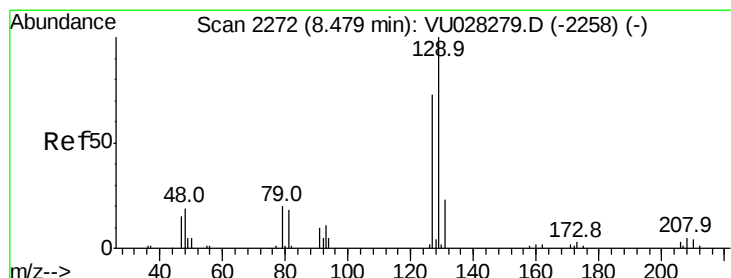
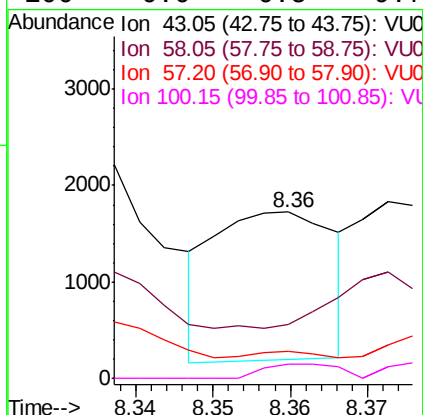
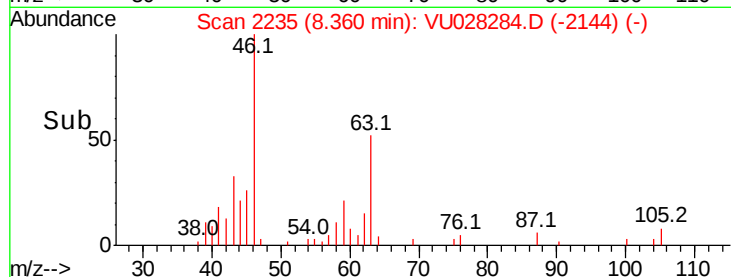
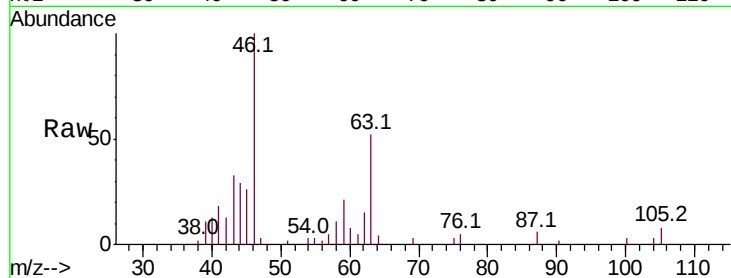




#48
2-Hexanone
Concen: 0.289 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. -0.01 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

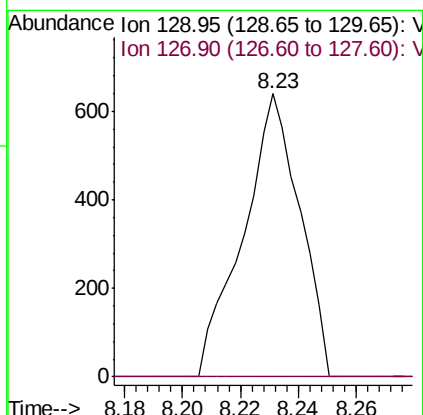
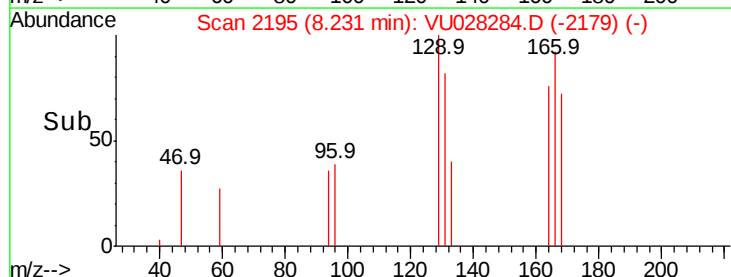
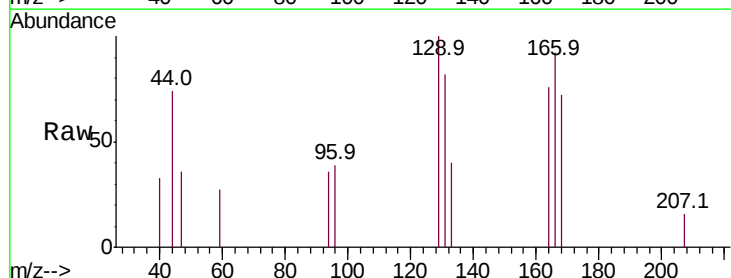
Instrument :
MSVOA_U
ClientSampleId :

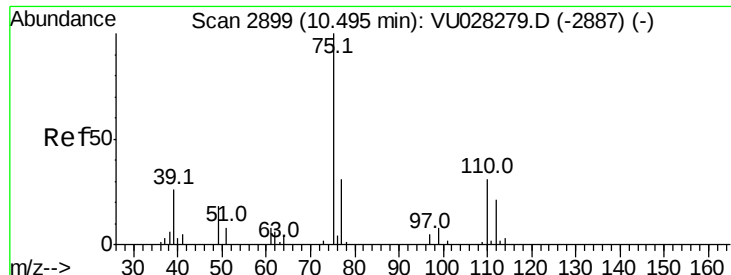
Tot Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
57 0.0 13.8 20.8#
100 6.0 6.5 9.7#



#49
Dibromochloromethane
Concen: 0.126 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VU028284.D
Acq: 20 Nov 2018 17:46

Tgt Ion: 129 Resp: 868
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#





#59

1,2,3-Trichloropropane

Concen: 1.111 ug/L

RT: 11.49 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028284.D

Acq: 20 Nov 2018 17:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7238

Ion Ratio Lower Upper

75 100

77 36.6 25.7 38.5

