

Data File : VU028845.D
Acq On : 20 Dec 2018 23:31
Operator : MD/SY
Sample : J6513-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9F52

Quant Time: Dec 21 06:02:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	194727	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	184893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85745	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63283	40.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.08%
7) Chloroethane-d5	1.67	69	51326	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.14%
11) 1,1-Dichloroethene-d2	2.27	63	82996	31.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.22%
21) 2-Butanone-d5	4.18	46	133927	122.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.45%
24) Chloroform-d	4.65	84	110848	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.30%
26) 1,2-Dichloroethane-d4	5.31	65	70848	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
32) Benzene-d6	5.34	84	240514	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.10%
36) 1,2-Dichloropropane-d6	6.33	67	84648	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.40%
41) Toluene-d8	7.57	98	220005	46.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%
43) trans-1,3-Dichloropropene-	7.85	79	36118	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.84%
47) 2-Hexanone-d5	8.31	63	108632	128.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.89%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	124770	50.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	85900	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

					Qvalue
8) Chloroethane	1.40	64	872	0.801 ug/L #	1
13) Acetone	2.32	43	3645	3.270 ug/L	82
27) 1,2-Dichloroethane	5.33	62	1024	0.551 ug/L #	74
29) Cyclohexane	4.99	56	348212	141.502 ug/L	99
34) Trichloroethene	6.39	95	1568	1.103 ug/L #	1
35) Methylcyclohexane	6.41	83	332949	140.670 ug/L	92
37) 1,2-Dichloropropane	6.41	63	2984	1.814 ug/L #	68
38) Bromodichloromethane	6.74	83	1415	0.777 ug/L #	41
39) cis-1,3-Dichloropropene	7.22	75	1742	0.743 ug/L #	70
44) trans-1,3-Dichloropropene	7.85	75	1234	0.590 ug/L #	63
45) 1,1,2-Trichloroethane	8.04	97	22778	16.191 ug/L #	17
46) Tetrachloroethene	8.23	164	1013	0.926 ug/L	93
48) 2-Hexanone	8.31	43	13845	7.627 ug/L #	56
49) Dibromochloromethane	8.23	129	1050	0.749 ug/L #	11
52) Ethylbenzene	9.25	91	4119	0.642 ug/L	92
56) Isopropylbenzene	10.16	105	331776	55.039 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	1171	2.389 ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration

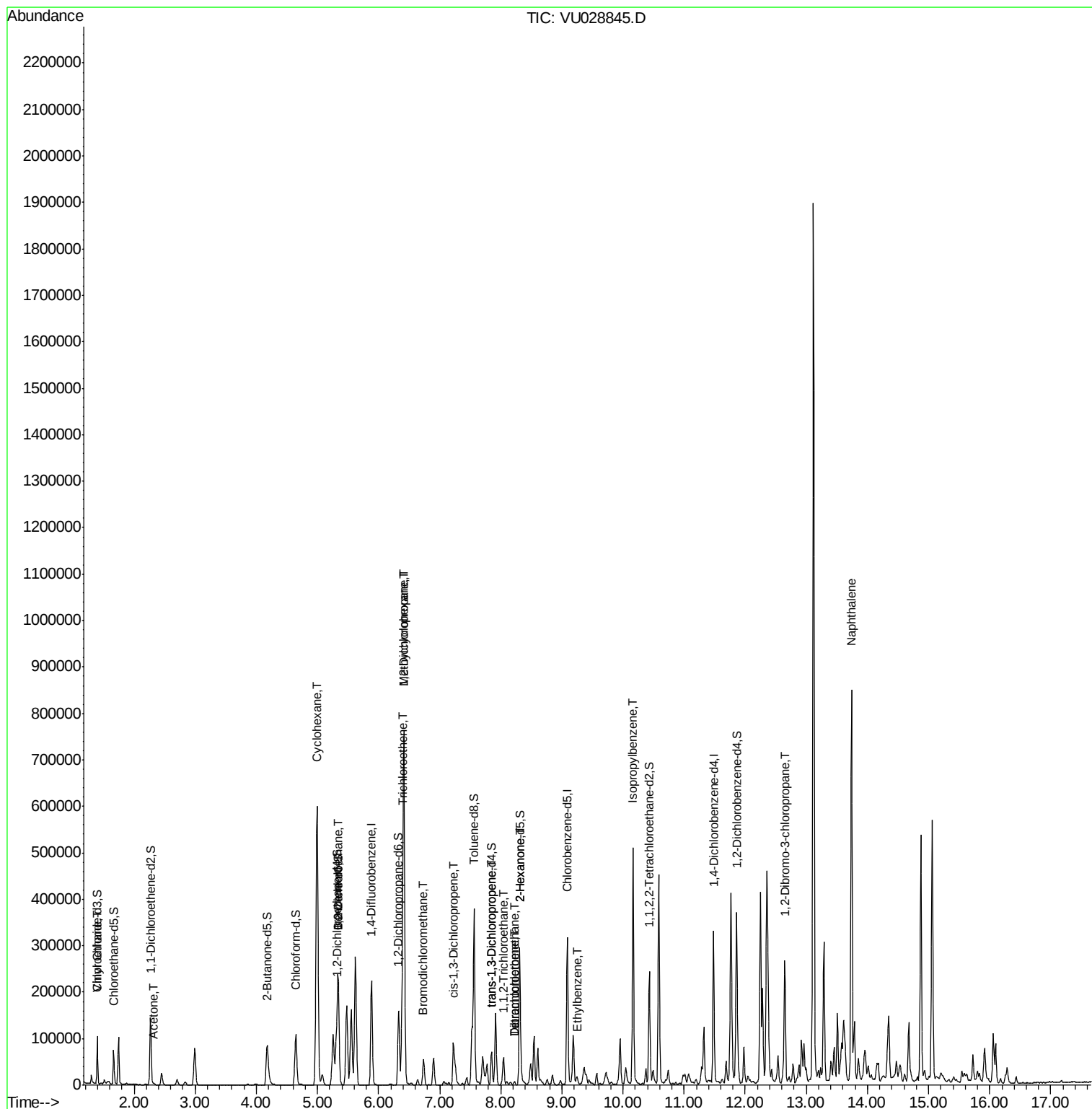
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.74	128	650003	111.325	ug/L	99

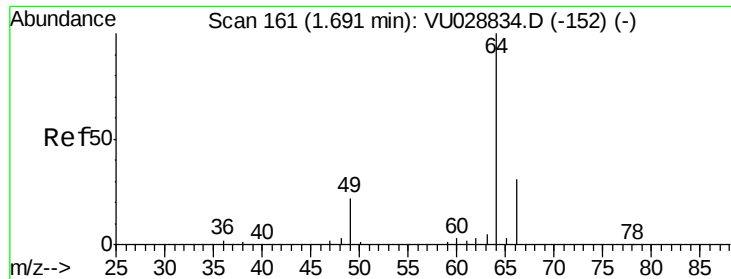
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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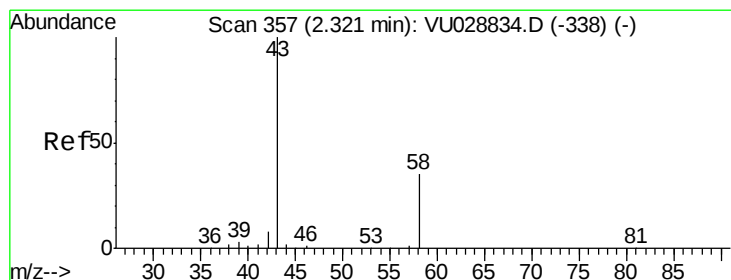
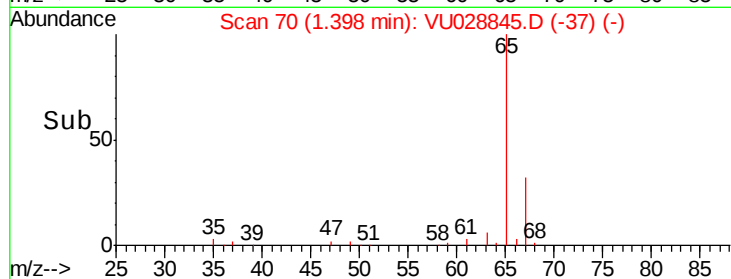
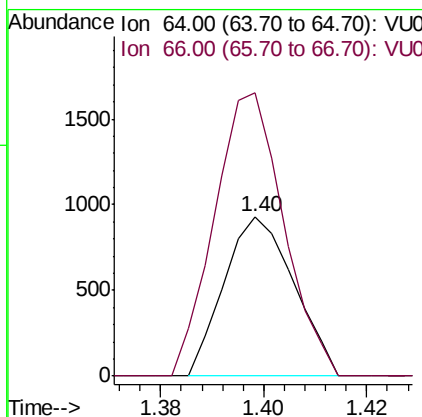
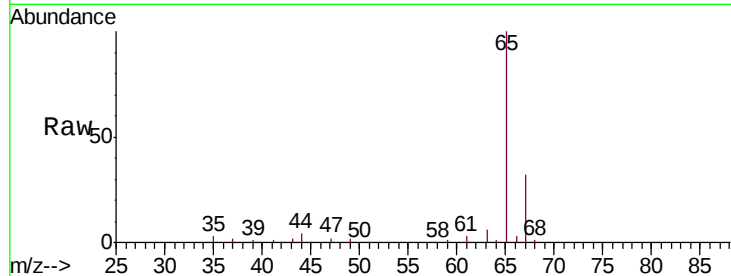




#8
 Chloroethane
 Concen: 0.801 ug/L
 RT: 1.40 min Scan# 70
 Delta R.T. -0.29 min
 Lab File: VU028845.D
 Acq: 20 Dec 2018 23:31

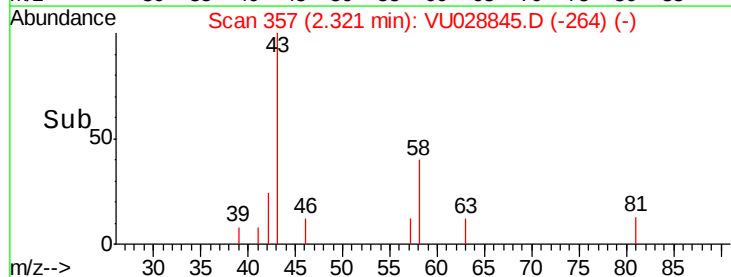
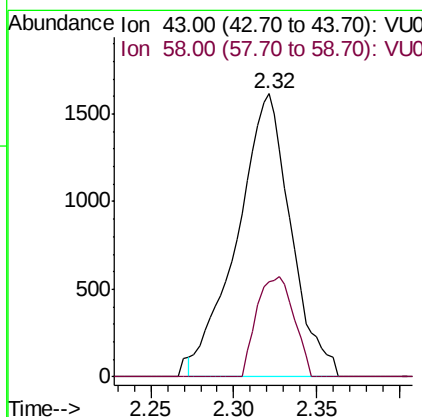
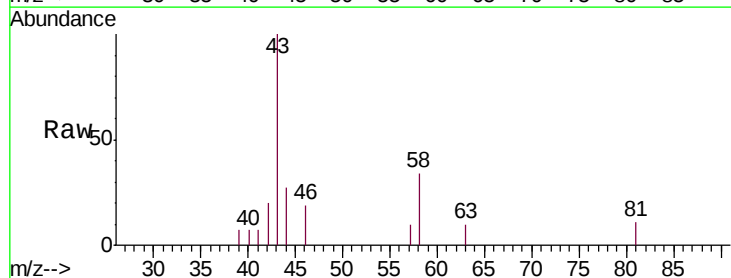
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F52

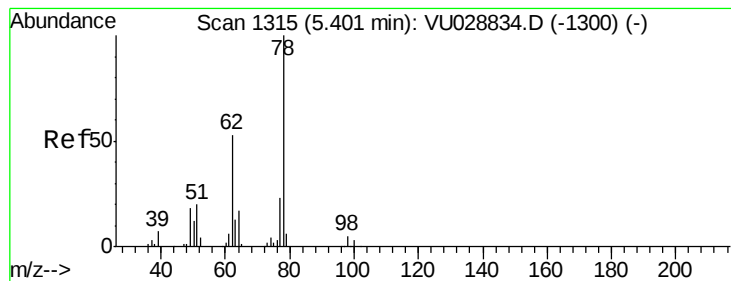
Tgt Ion: 64 Resp: 872
 Ion Ratio Lower Upper
 64 100
 66 177.8 21.5 39.9#



#13
 Acetone
 Concen: 3.270 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028845.D
 Acq: 20 Dec 2018 23:31

Tgt Ion: 43 Resp: 3645
 Ion Ratio Lower Upper
 43 100
 58 24.5 0.0 70.2





#27

1,2-Dichloroethane

Concen: 0.551 ug/L

RT: 5.33 min Scan# 1294

Delta R.T. -0.07 min

Lab File: VU028845.D

Acq: 20 Dec 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

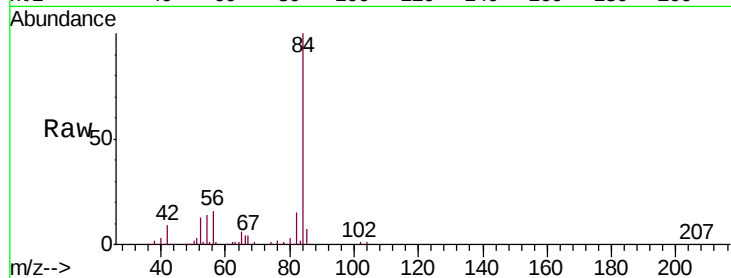
F9F52

Tgt Ion: 62 Resp: 1024

Ion Ratio Lower Upper

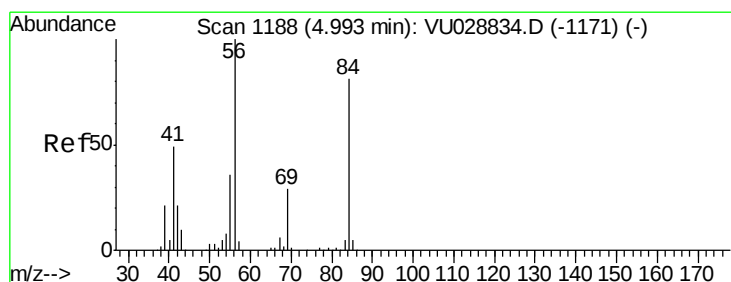
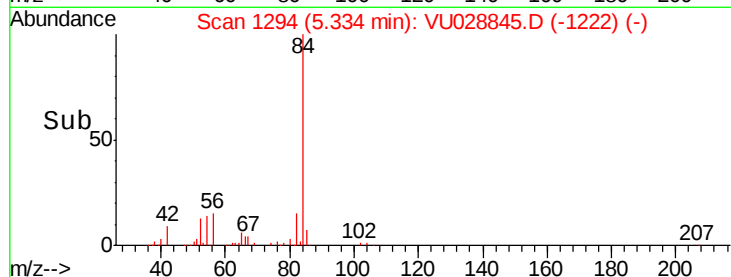
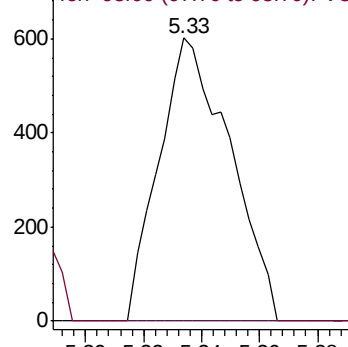
62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#29

Cyclohexane

Concen: 141.502 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028845.D

Acq: 20 Dec 2018 23:31

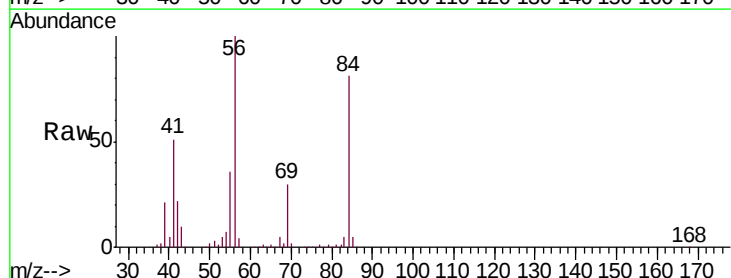
Tgt Ion: 56 Resp: 348212

Ion Ratio Lower Upper

56 100

69 30.0 23.8 35.8

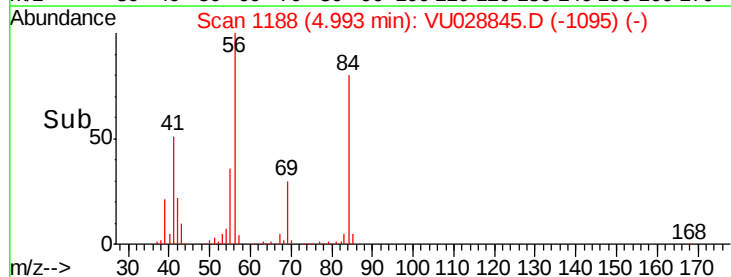
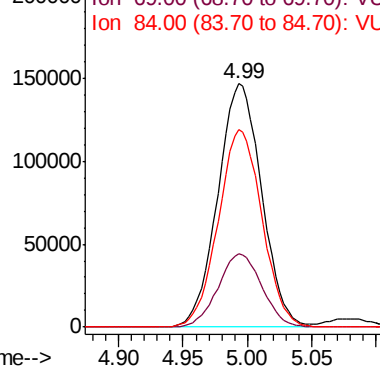
84 80.8 63.8 95.8

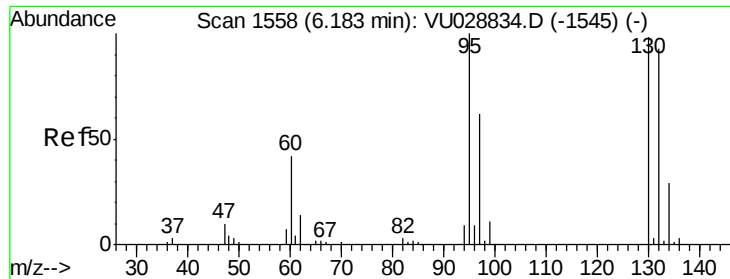


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#34

Trichloroethene

Concen: 1.103 ug/L

RT: 6.39 min Scan# 1622

Delta R.T. 0.21 min

Lab File: VU028845.D

Acq: 20 Dec 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

F9F52

Tgt Ion: 95 Resp: 1568

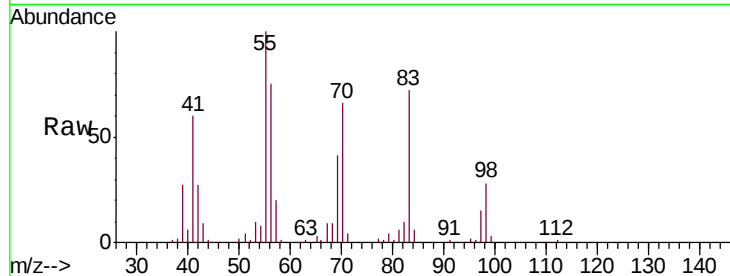
Ion Ratio Lower Upper

95 100

97 1013.2 43.3 80.3#

132 0.0 64.2 119.2#

130 0.0 67.1 124.7#

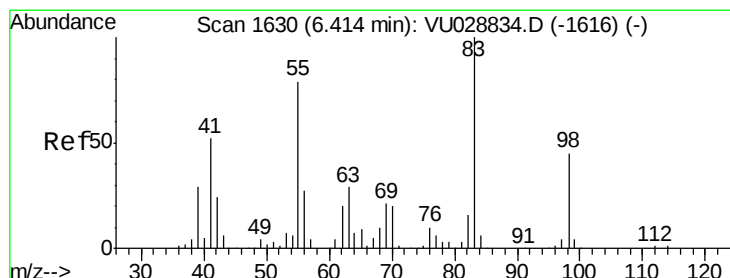
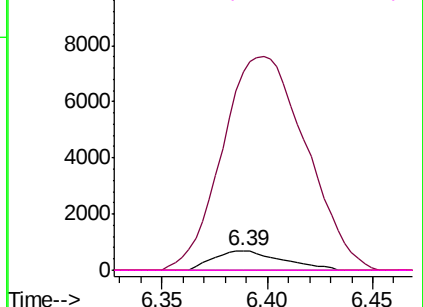
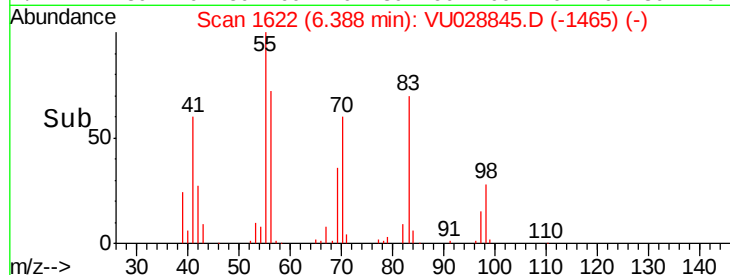


Abundance Ion 95.00 (94.70 to 95.70): VU028834.D (-1545) (-)

Ion 97.00 (96.70 to 97.70): VU028834.D (-1545) (-)

Ion 132.00 (131.70 to 132.70): VU028834.D (-1545) (-)

Ion 130.00 (129.70 to 130.70): VU028834.D (-1545) (-)



#35

Methylcyclohexane

Concen: 140.670 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028845.D

Acq: 20 Dec 2018 23:31

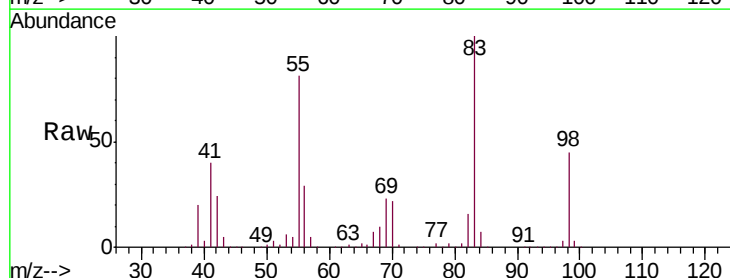
Tgt Ion: 83 Resp: 332949

Ion Ratio Lower Upper

83 100

55 90.6 63.7 95.5

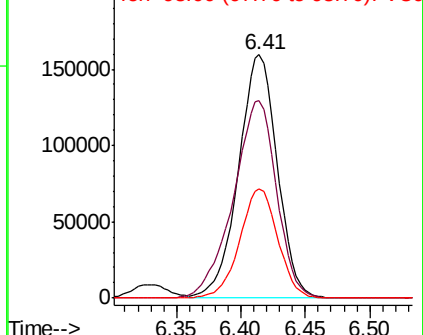
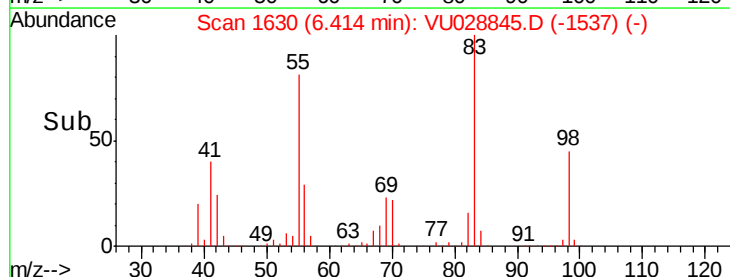
98 44.0 35.6 53.4

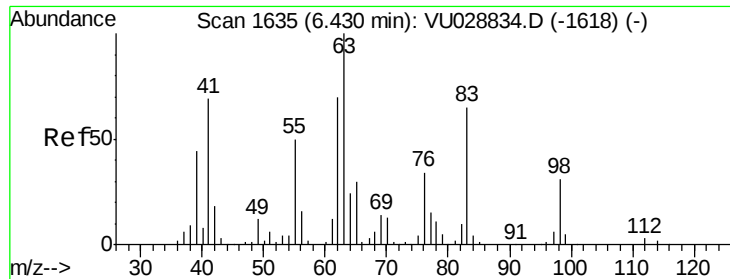


Abundance Ion 83.00 (82.70 to 83.70): VU028834.D (-1616) (-)

Ion 55.00 (54.70 to 55.70): VU028834.D (-1616) (-)

Ion 98.00 (97.70 to 98.70): VU028834.D (-1616) (-)

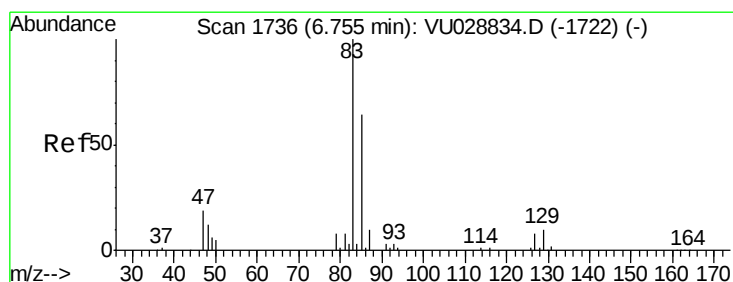
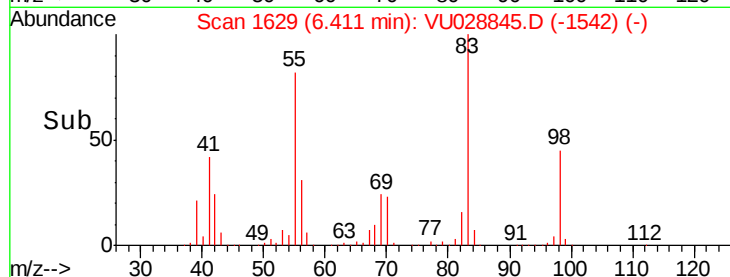
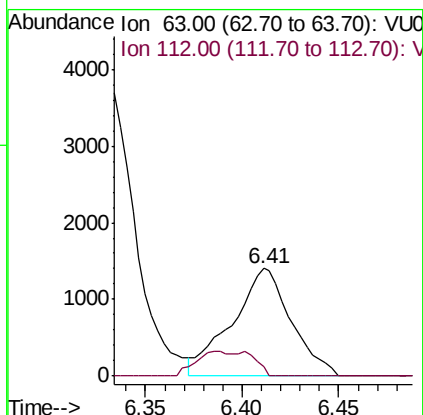
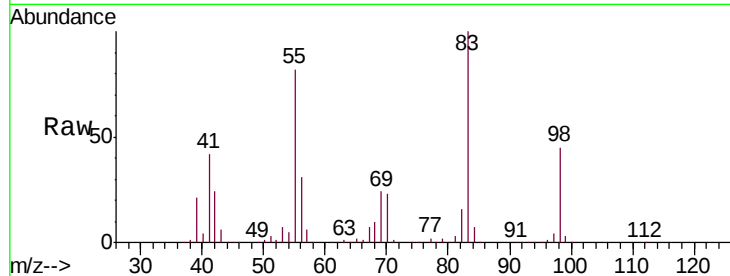




#37
 1,2-Dichloropropane
 Concen: 1.814 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. -0.02 min
 Lab File: VU028845.D
 Acq: 20 Dec 2018 23:31

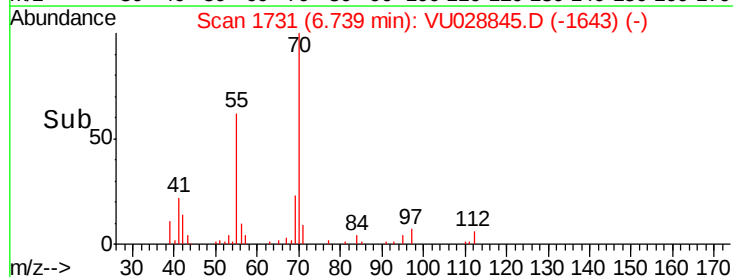
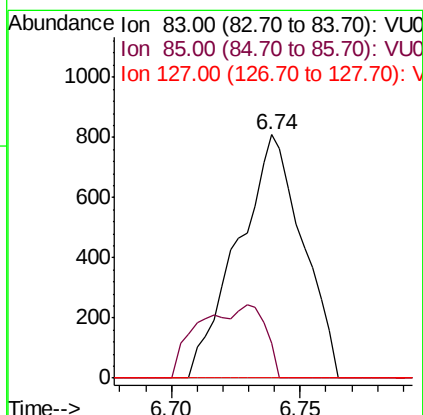
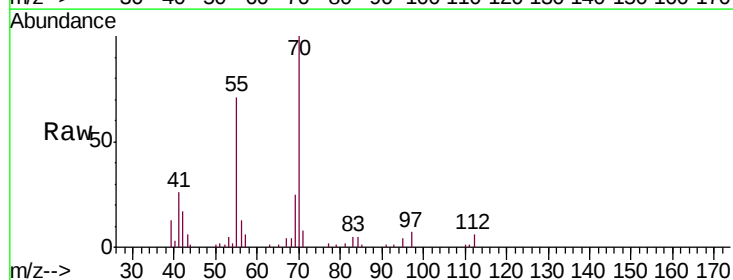
Instrument :
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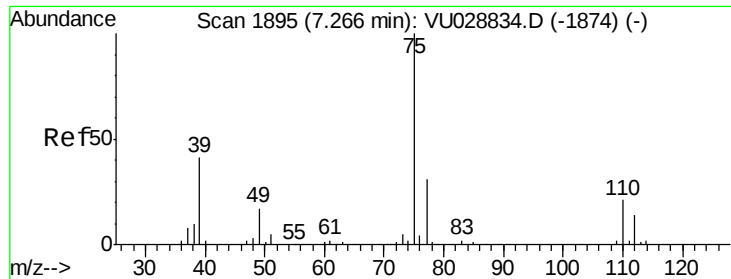
Tgt Ion: 63 Resp: 2984
 Ion Ratio Lower Upper
 63 100
 112 14.0 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 0.777 ug/L
 RT: 6.74 min Scan# 1731
 Delta R.T. -0.02 min
 Lab File: VU028845.D
 Acq: 20 Dec 2018 23:31

Tgt Ion: 83 Resp: 1415
 Ion Ratio Lower Upper
 83 100
 85 14.5 45.4 84.2#
 127 0.0 6.2 9.2#



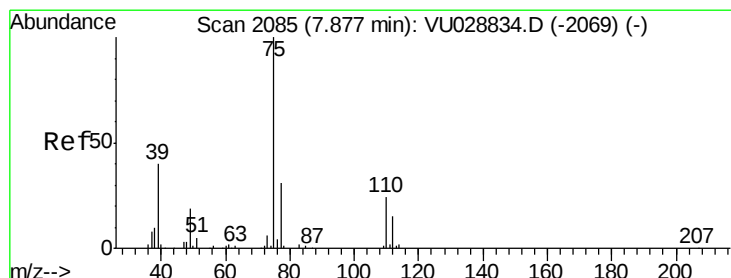
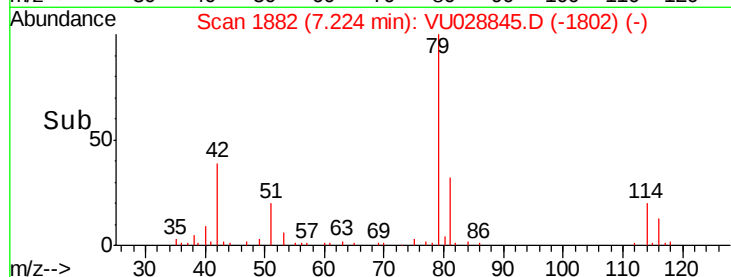
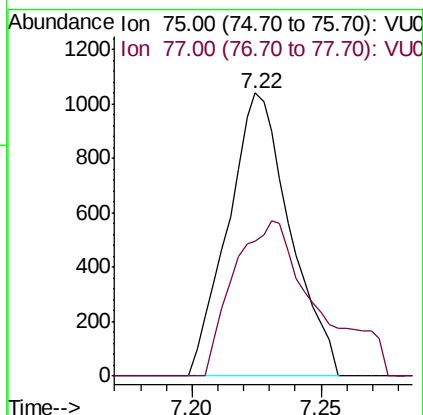
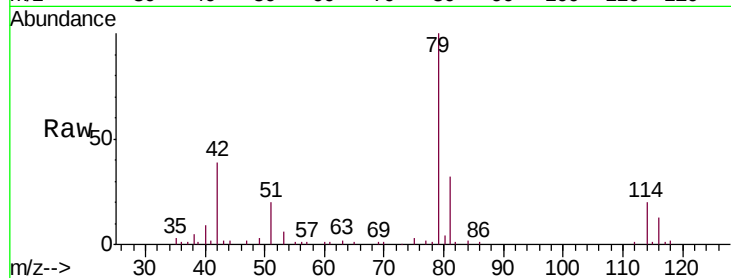


#39

cis-1,3-Dichloropropene
Concen: 0.743 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU028845.D
Acq: 20 Dec 2018 23:31

Instrument :
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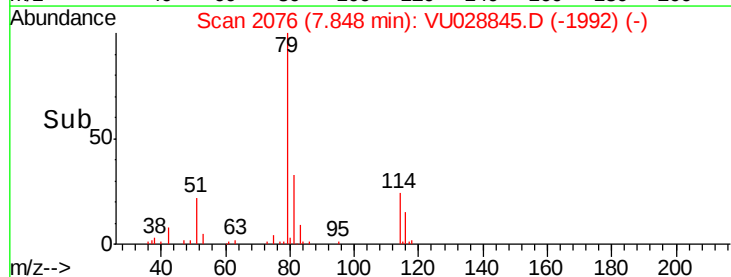
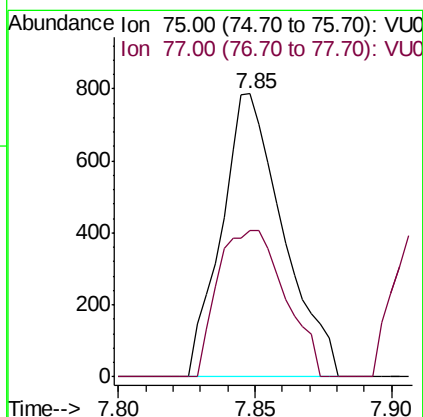
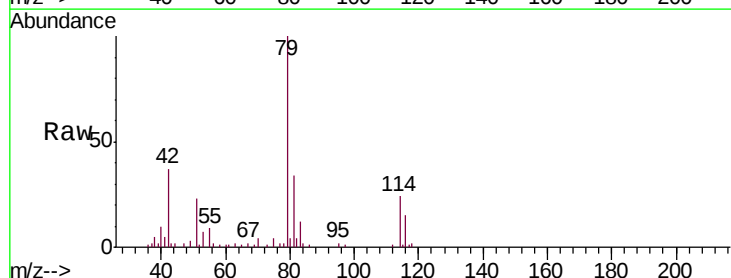
Tgt Ion: 75 Resp: 1742
Ion Ratio Lower Upper
75 100
77 47.6 21.8 40.6#

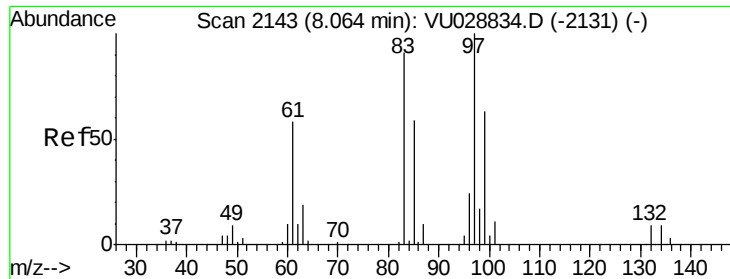


#44

trans-1,3-Dichloropropene
Concen: 0.590 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU028845.D
Acq: 20 Dec 2018 23:31

Tgt Ion: 75 Resp: 1234
Ion Ratio Lower Upper
75 100
77 51.7 21.8 40.6#

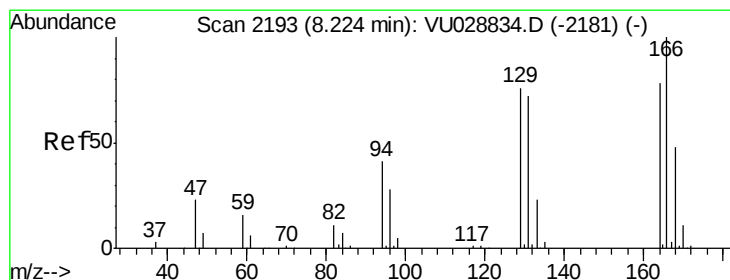
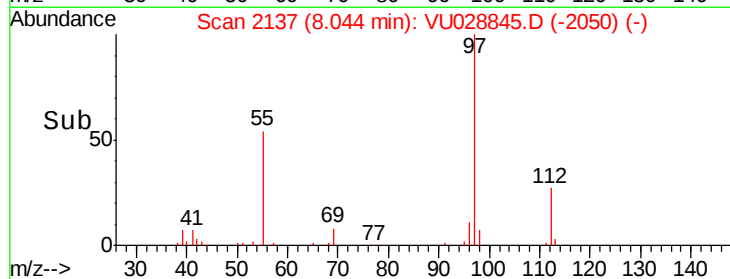
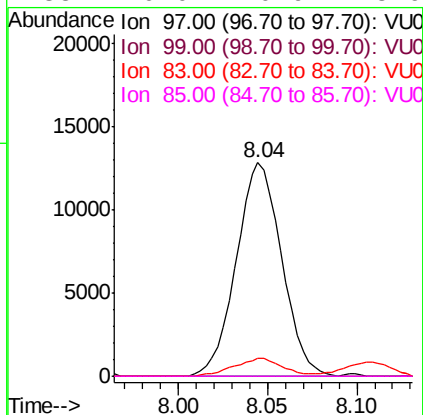
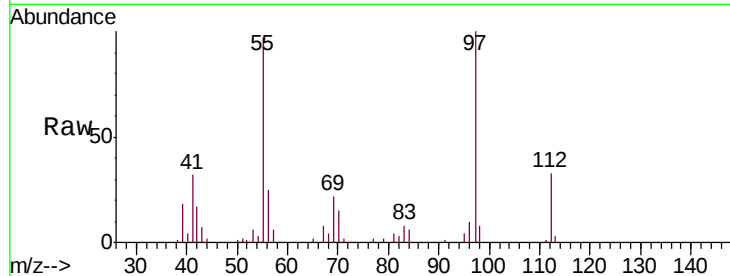




#45
 1,1,2-Trichloroethane
 Concen: 16.191 ug/L
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028845.D
 Acq: 20 Dec 2018 23:31

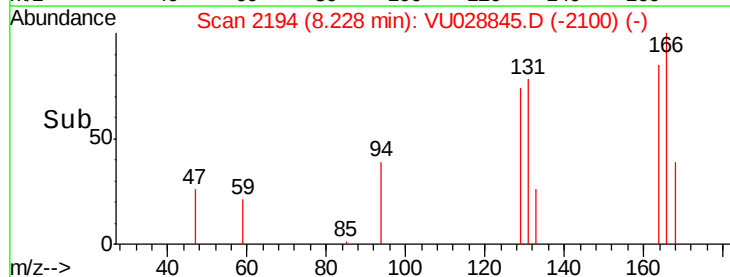
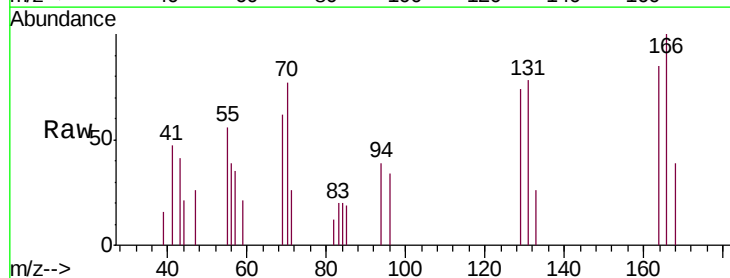
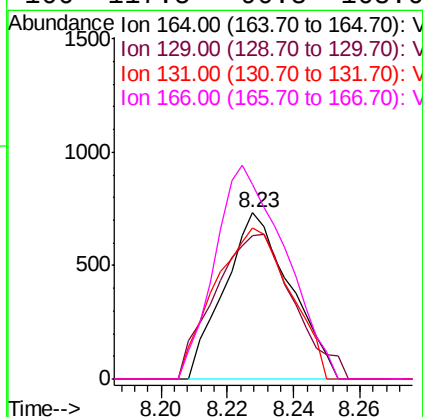
Instrument :
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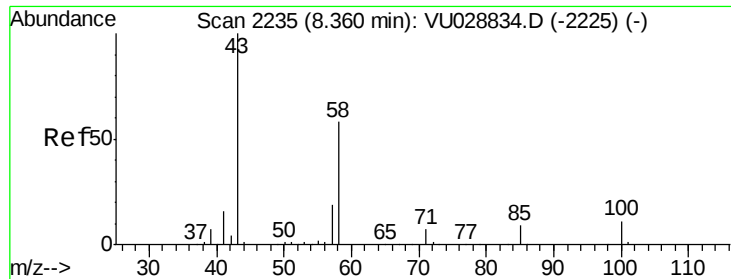
Tgt Ion: 97 Resp: 22778
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.2 82.2#
 83 8.2 64.5 119.9#
 85 0.0 40.9 75.9#



#46
 Tetrachloroethene
 Concen: 0.926 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU028845.D
 Acq: 20 Dec 2018 23:31

Tgt Ion: 164 Resp: 1013
 Ion Ratio Lower Upper
 164 100
 129 86.6 66.8 124.0
 131 91.4 64.2 119.2
 166 117.5 90.8 168.6

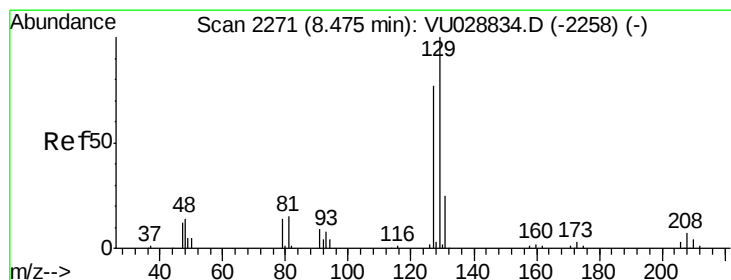
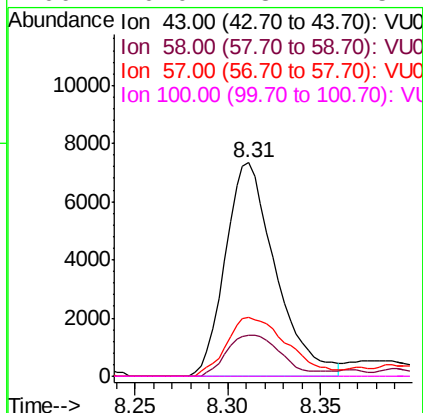
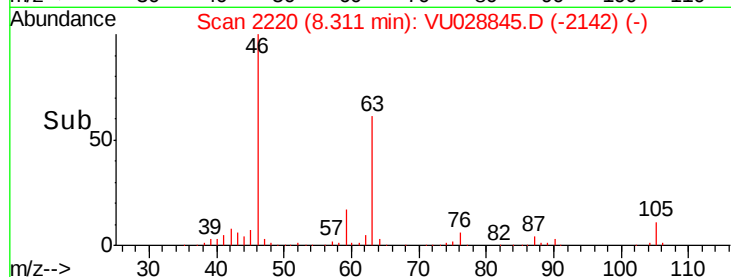
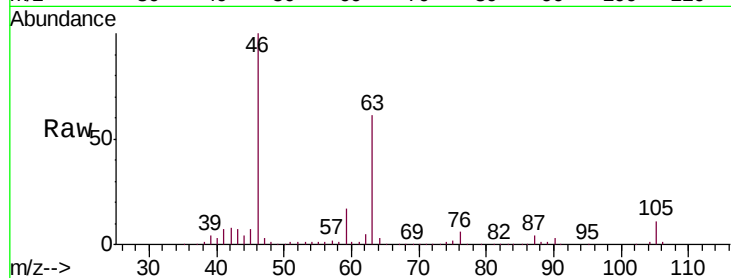




#48
2-Hexanone
Concen: 7.627 ug/L
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU028845.D
Acq: 20 Dec 2018 23:31

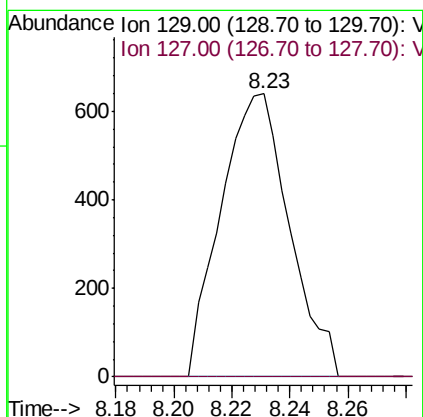
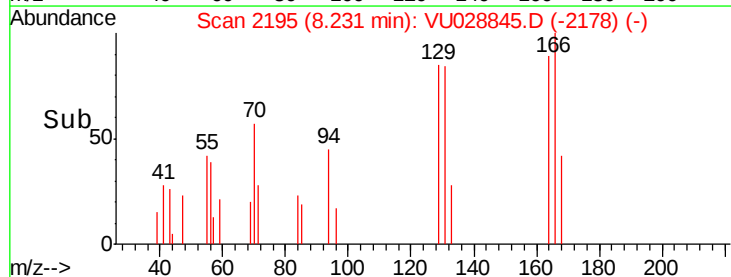
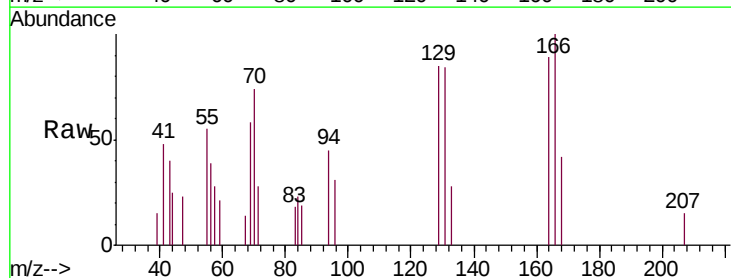
Instrument :
MSVOA_U
ClientSampleId :
F9F52

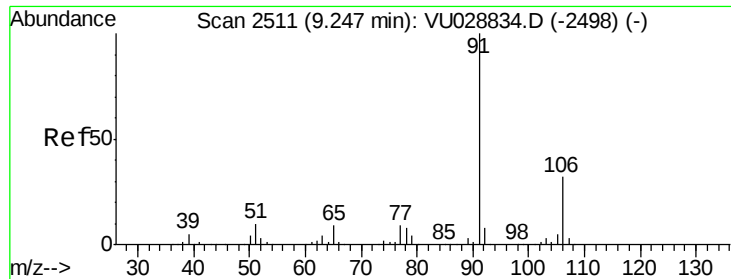
Tgt Ion: 43 Resp: 13845
Ion Ratio Lower Upper
43 100
58 20.6 45.9 68.9#
57 33.8 15.0 22.4#
100 0.0 8.7 13.1#



#49
Dibromochloromethane
Concen: 0.749 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. -0.24 min
Lab File: VU028845.D
Acq: 20 Dec 2018 23:31

Tgt Ion: 129 Resp: 1050
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#





#52

Ethylbenzene

Concen: 0.642 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028845.D

Acq: 20 Dec 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

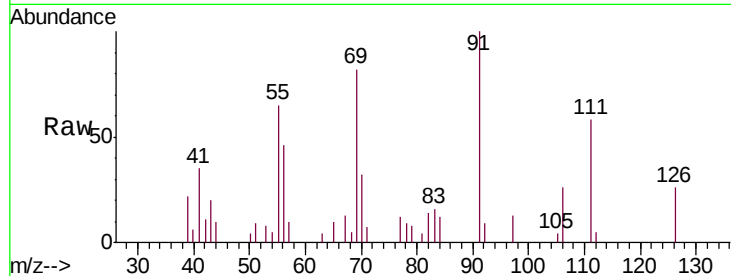
F9F52

Tgt Ion: 91 Resp: 4119

Ion Ratio Lower Upper

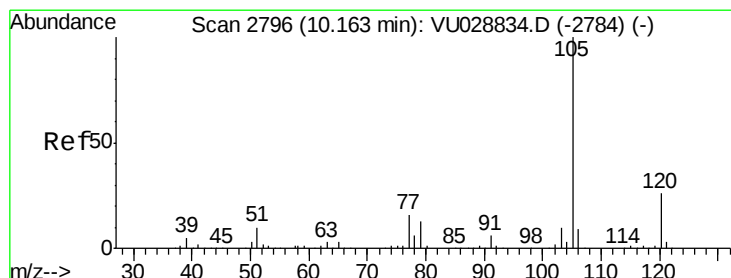
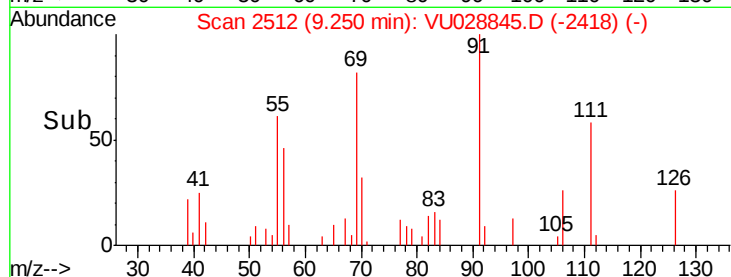
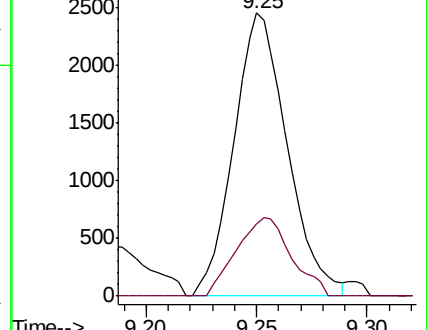
91 100

106 25.7 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU028834.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU028834.D (-2498) (-)



#56

Isopropylbenzene

Concen: 55.039 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028845.D

Acq: 20 Dec 2018 23:31

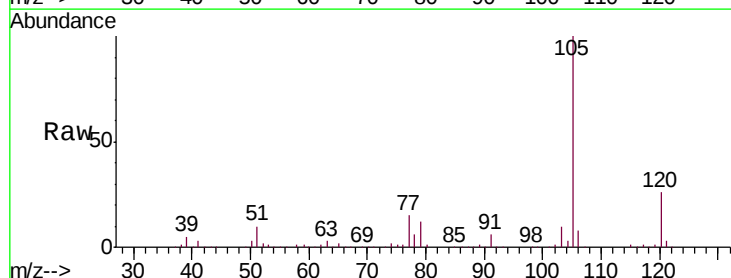
Tgt Ion: 105 Resp: 331776

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

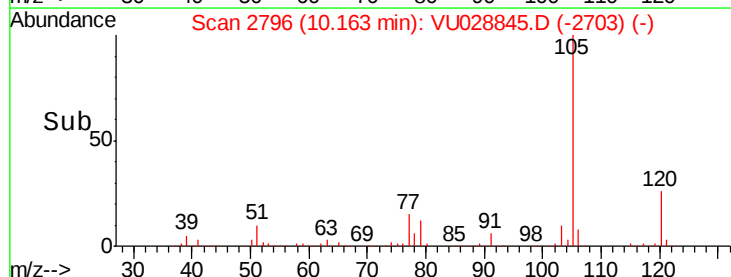
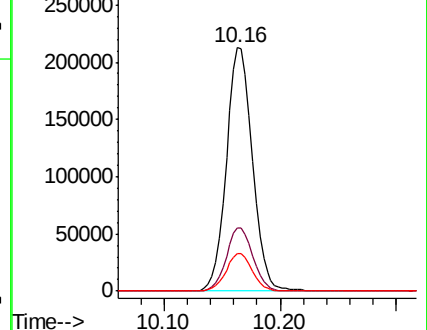
77 15.5 12.3 18.5

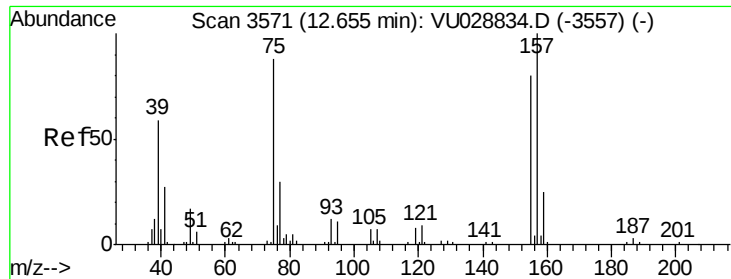


Abundance Ion 105.00 (104.70 to 105.70): VU028834.D (-2784) (-)

Ion 120.00 (119.70 to 120.70): VU028834.D (-2784) (-)

Ion 77.00 (76.70 to 77.70): VU028834.D (-2784) (-)

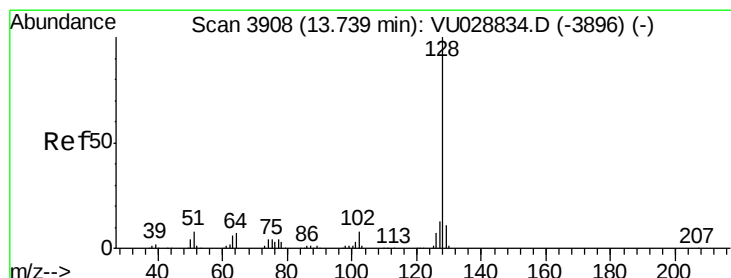
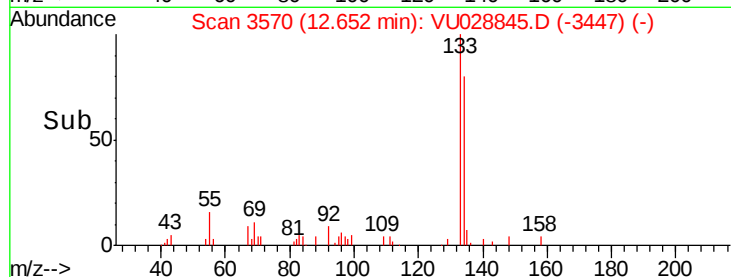
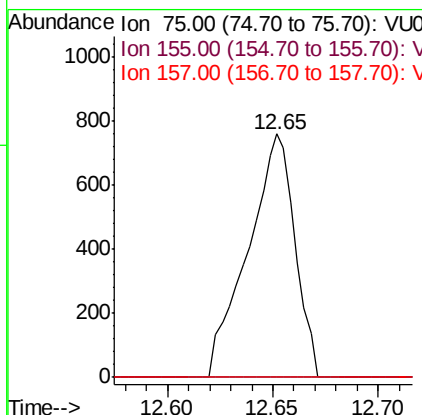
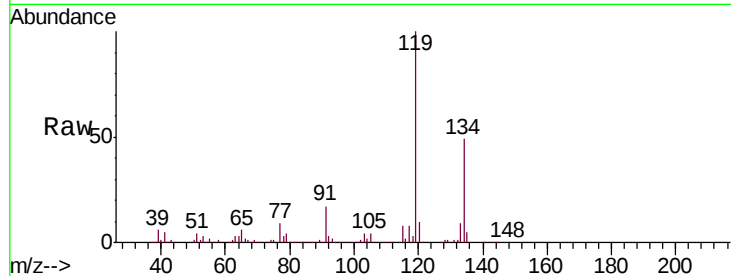




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.389 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028845.D
 Acq: 20 Dec 2018 23:31

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F52

Tgt Ion: 75 Resp: 1171
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.4 107.2#
 157 0.0 89.6 134.4#



#69
 Naphthalene
 Concen: 111.325 ug/L
 RT: 13.74 min Scan# 3908
 Delta R.T. -0.00 min
 Lab File: VU028845.D
 Acq: 20 Dec 2018 23:31

Tgt Ion: 128 Resp: 650003
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.5 15.7
 129 11.0 8.7 13.1

