

Data File : VU028463.D
Acq On : 04 Dec 2018 13:15
Operator : MD/SY
Sample : J6171-05ME
Misc : 6.73g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y09ME

Quant Time: Dec 05 03:14:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 05 03:10:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	608352	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	590532	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	318794	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165108	30.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.68%
7) Chloroethane-d5	1.64	69	146598	35.08	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.16%
11) 1,1-Dichloroethene-d2	2.24	63	239062	24.70	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.40%#
21) 2-Butanone-d5	4.19	46	340386	76.20	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.20%
24) Chloroform-d	4.64	84	310093	35.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.64%
26) 1,2-Dichloroethane-d4	5.31	65	210296	35.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.34%
32) Benzene-d6	5.33	84	656964	35.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.46%
36) 1,2-Dichloropropane-d6	6.33	67	238740	35.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	71.98%
41) Toluene-d8	7.56	98	646340	38.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.58%#
43) trans-1,3-Dichloropropene-	7.85	79	109157	36.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.88%
47) 2-Hexanone-d5	8.32	63	274275	85.61	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.61%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	352474	41.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	251148	39.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.34%#

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	14133	1.798 ug/L	95
6) Bromomethane	1.60	94	1906	1.007 ug/L	75
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2268	0.571 ug/L #	21
13) Acetone	2.35	43	2933	0.631 ug/L	77
16) Methylene chloride	2.68	84	4688	0.943 ug/L #	82
29) Cyclohexane	4.98	56	309541	32.298 ug/L	97
35) Methylcyclohexane	6.41	83	997606	118.153 ug/L	90
38) Bromodichloromethane	6.73	83	15183	2.275 ug/L #	59
40) 4-Methyl-2-pentanone	7.42	43	7308	0.768 ug/L #	47
44) trans-1,3-Dichloropropene	7.85	75	4463	0.570 ug/L #	51
45) 1,1,2-Trichloroethane	8.04	97	106367	22.741 ug/L #	16
48) 2-Hexanone	8.32	43	303275	37.949 ug/L #	29
56) Isopropylbenzene	10.17	105	67848	3.192 ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.49	83	82899	9.501 ug/L #	34
59) 1,2,3-Trichloropropane	11.48	75	41969	6.147 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	2184	1.051 ug/L #	18
69) Naphthalene	13.74	128	43009	1.733 ug/L #	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120418\
Quantitation Report (Not Reviewed)

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QLast Update : Wed Dec 05 03:10:52 2018
Response via : Initial Calibration

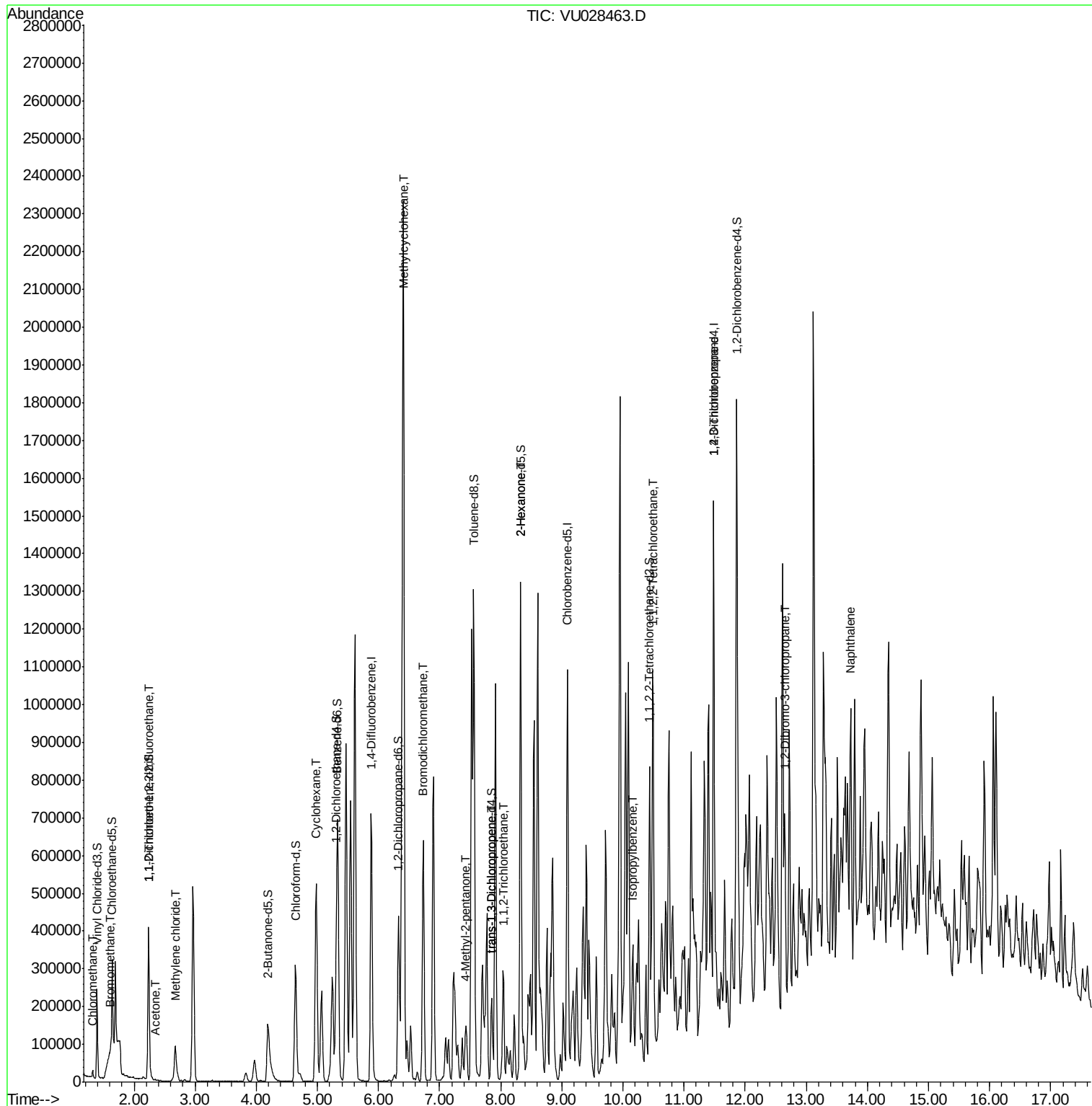
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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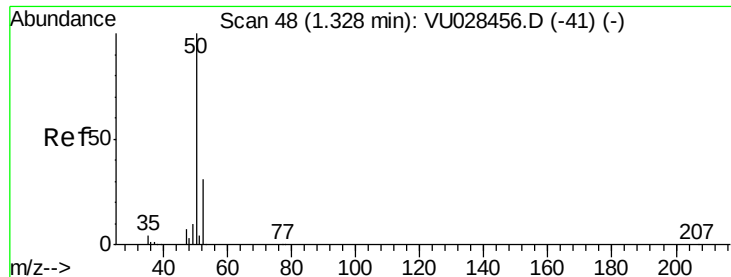
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.798 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028463.D

Acq: 04 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

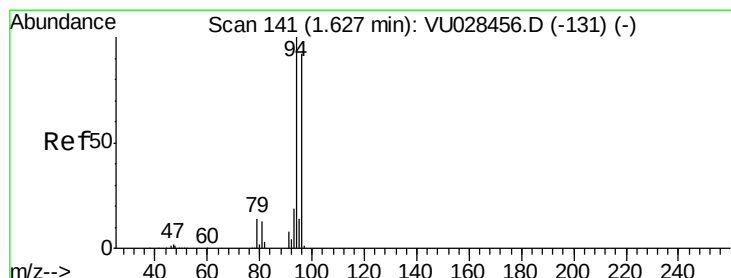
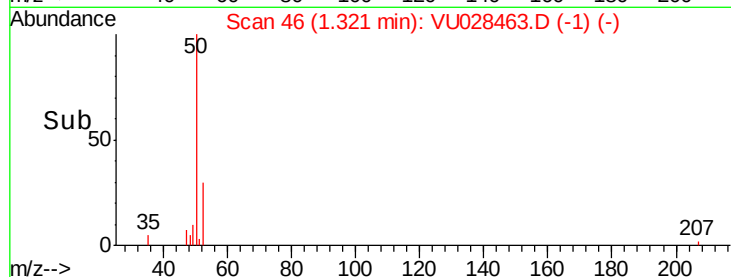
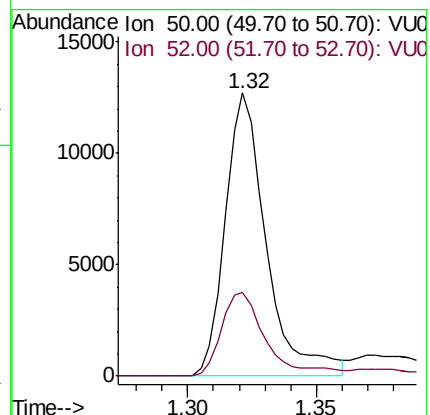
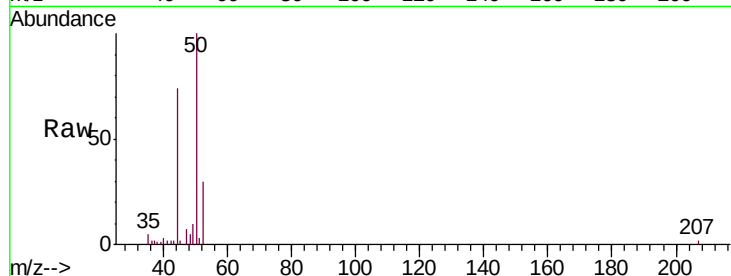
F9Y09ME

Tgt Ion: 50 Resp: 14133

Ion Ratio Lower Upper

50 100

52 29.6 22.6 42.0



#6

Bromomethane

Concen: 1.007 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.03 min

Lab File: VU028463.D

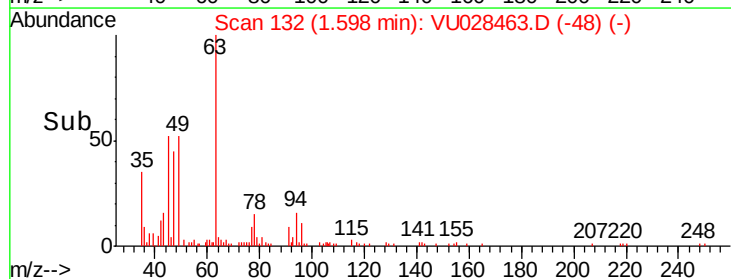
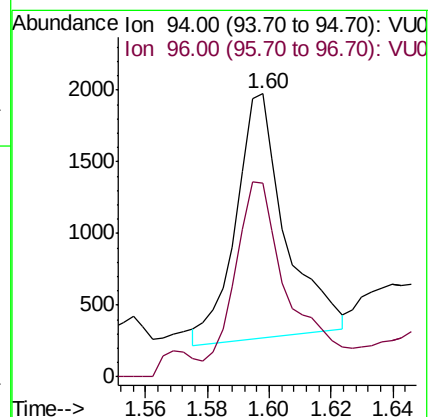
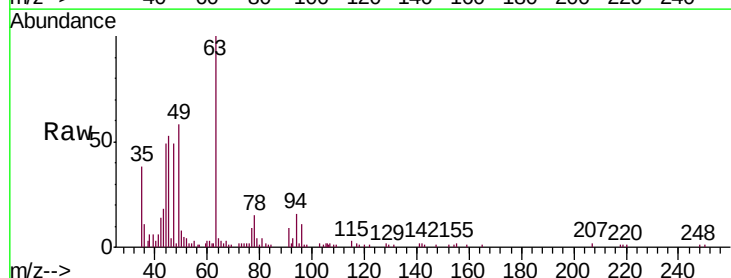
Acq: 04 Dec 2018 13:15

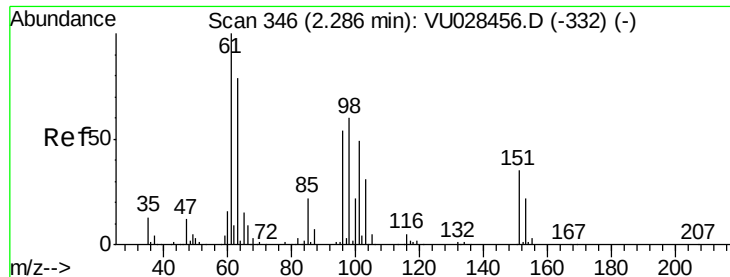
Tgt Ion: 94 Resp: 1906

Ion Ratio Lower Upper

94 100

96 68.6 64.5 119.9





#10

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

Concen: 0.571 ug/L

RT: 2.23 min Scan# 330

Delta R.T. -0.05 min

Lab File: VU028463.D

Acq: 04 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

F9Y09ME

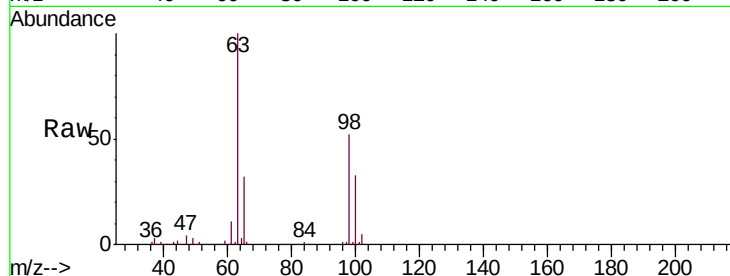
Tgt Ion:101 Resp: 2268

Ion Ratio Lower Upper

101 100

85 0.0 36.5 54.7#

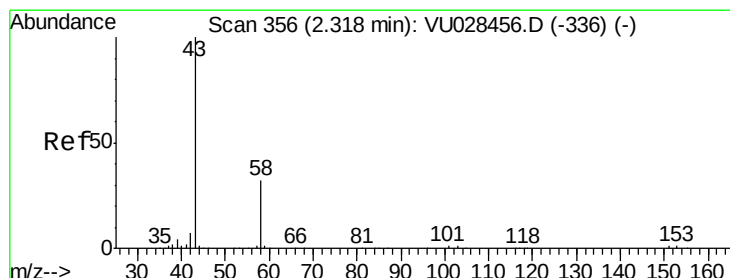
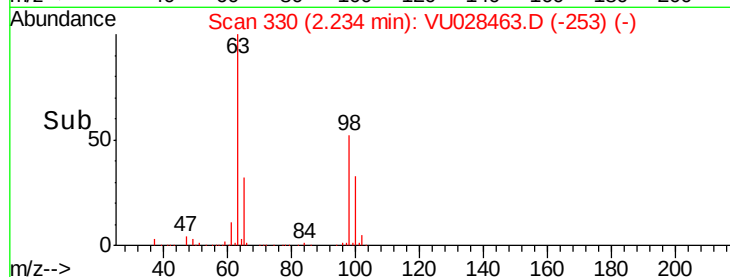
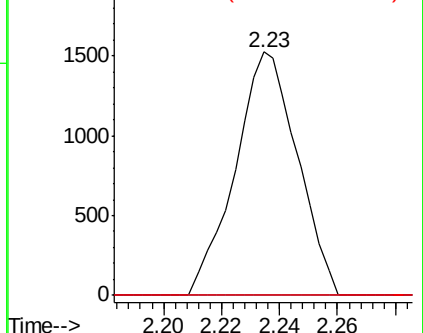
151 0.0 55.0 82.6#



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



#13

Acetone

Concen: 0.631 ug/L

RT: 2.35 min Scan# 365

Delta R.T. 0.03 min

Lab File: VU028463.D

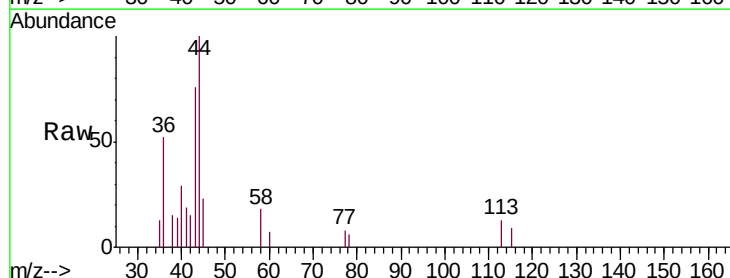
Acq: 04 Dec 2018 13:15

Tgt Ion: 43 Resp: 2933

Ion Ratio Lower Upper

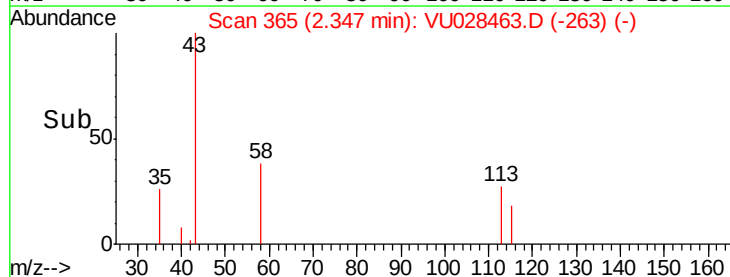
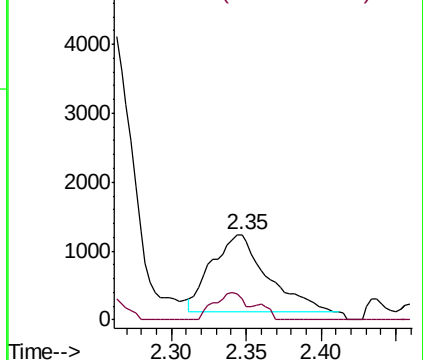
43 100

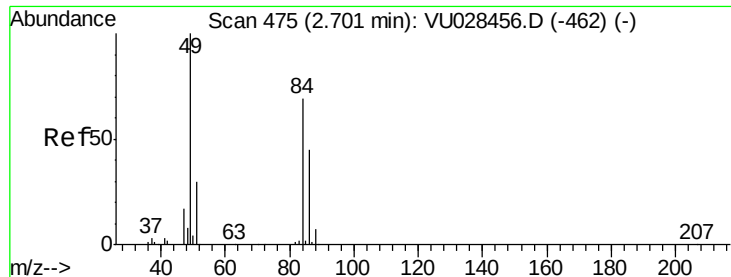
58 18.6 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

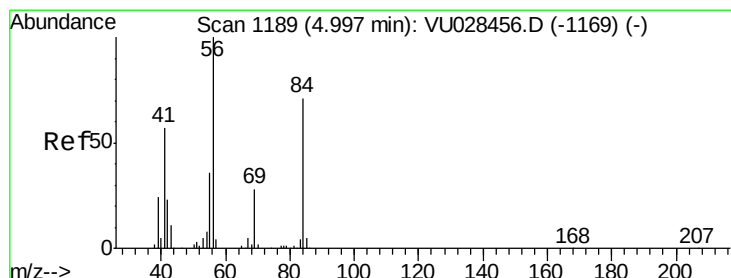
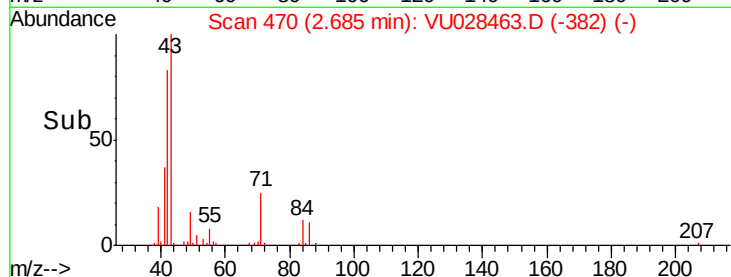
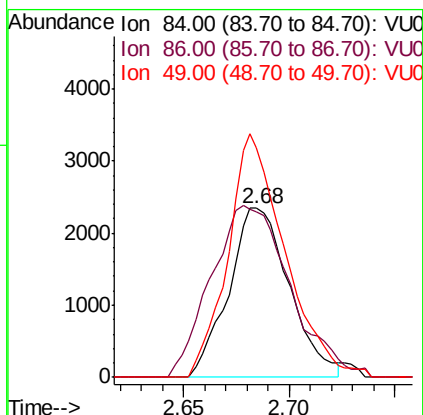
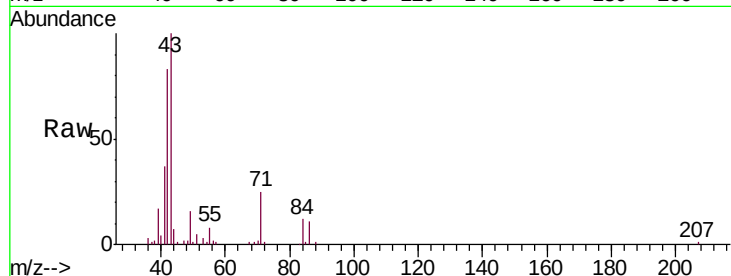




#16
Methylene chloride
Concen: 0.943 ug/L
RT: 2.68 min Scan# 470
Delta R.T. -0.02 min
Lab File: VU028463.D
Acq: 04 Dec 2018 13:15

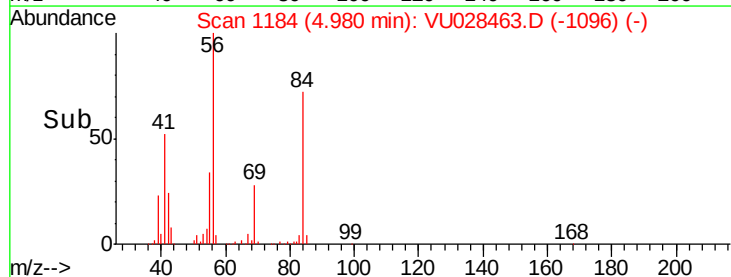
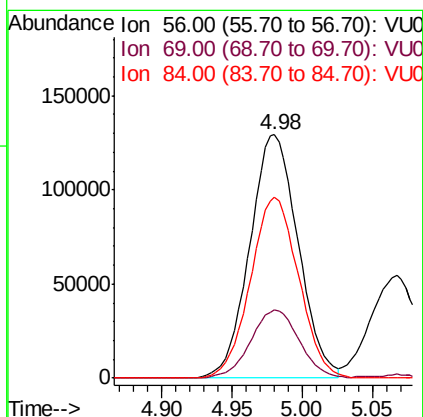
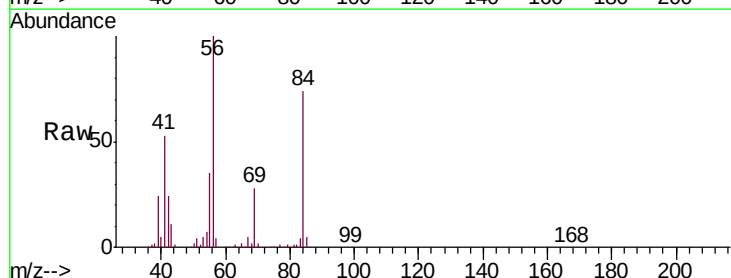
Instrument :
MSVOA_U
ClientSampleId :
F9Y09ME

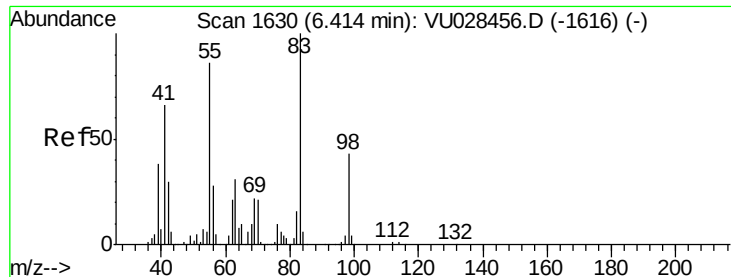
Tgt Ion: 84 Resp: 4688
Ion Ratio Lower Upper
84 100
86 98.2 45.6 84.8#
49 135.9 101.3 188.1



#29
Cyclohexane
Concen: 32.298 ug/L
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028463.D
Acq: 04 Dec 2018 13:15

Tgt Ion: 56 Resp: 309541
Ion Ratio Lower Upper
56 100
69 28.2 22.5 33.7
84 74.2 56.6 85.0

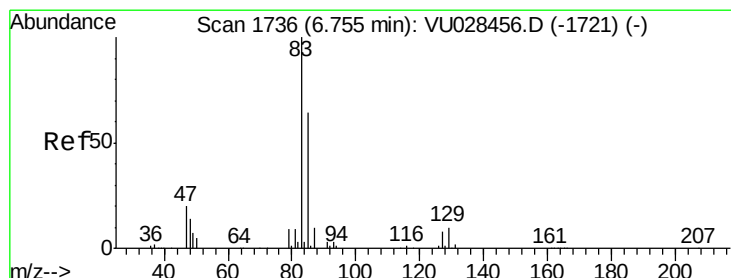
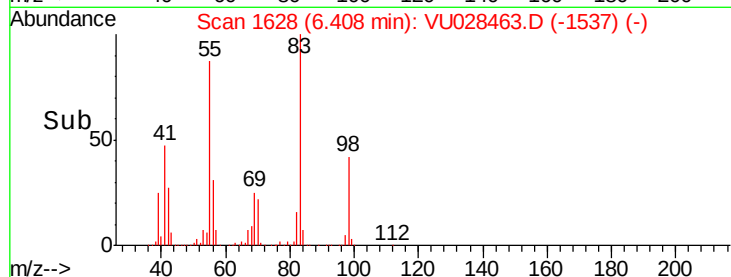
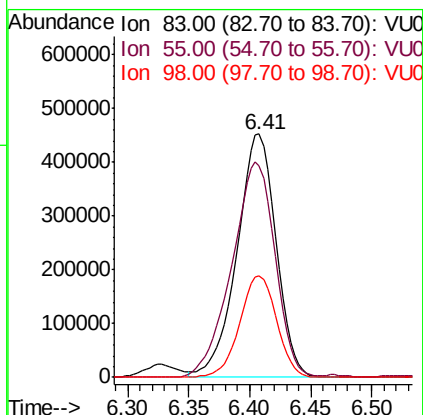
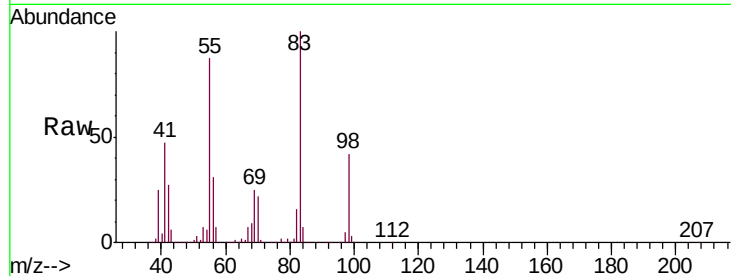




#35
Methylcyclohexane
Concen: 118.153 ug/L
RT: 6.41 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VU028463.D
Acq: 04 Dec 2018 13:15

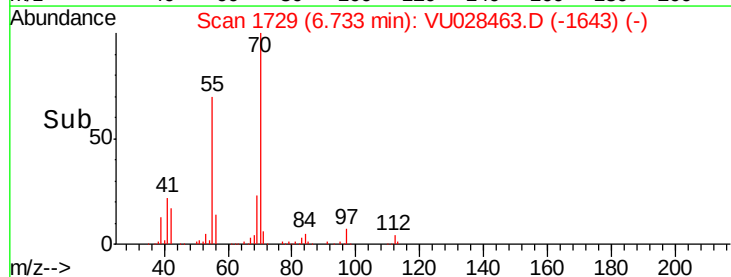
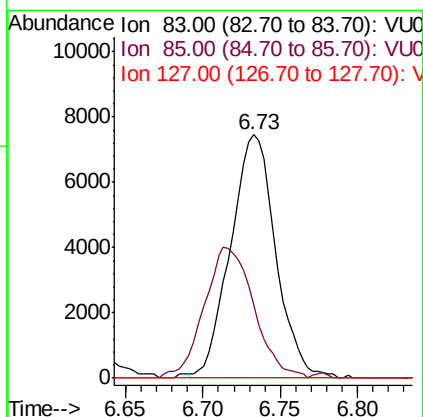
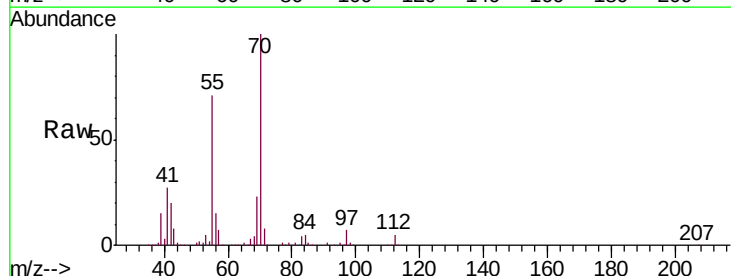
Instrument :
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ClientSampleId :
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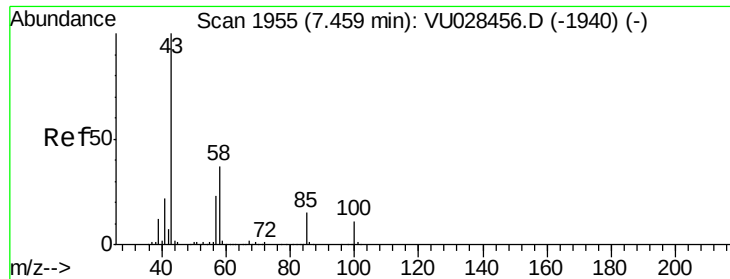
Tgt Ion: 83 Resp: 997606
Ion Ratio Lower Upper
83 100
55 98.7 70.5 105.7
98 39.6 34.6 52.0



#38
Bromodichloromethane
Concen: 2.275 ug/L
RT: 6.73 min Scan# 1729
Delta R.T. -0.02 min
Lab File: VU028463.D
Acq: 04 Dec 2018 13:15

Tgt Ion: 83 Resp: 15183
Ion Ratio Lower Upper
83 100
85 30.0 44.9 83.3#
127 0.0 6.0 9.0#

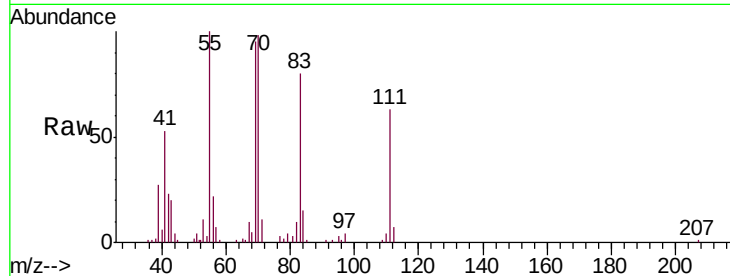




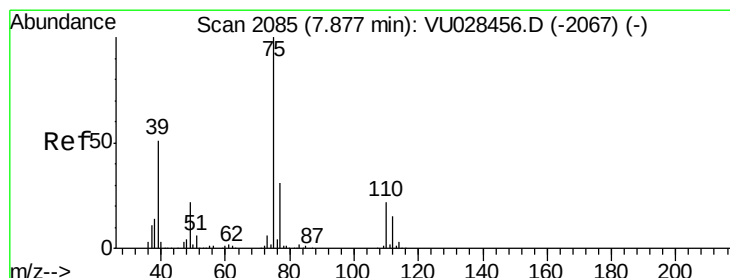
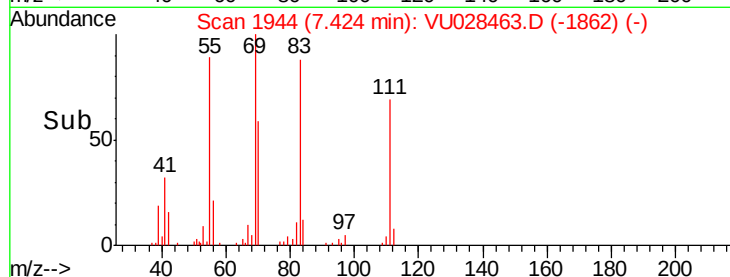
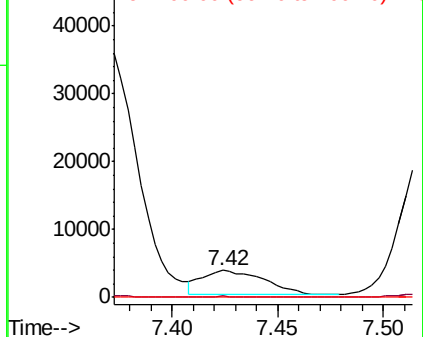
#40
 4-Methyl-2-pentanone
 Concen: 0.768 ug/L
 RT: 7.42 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU028463.D
 Acq: 04 Dec 2018 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y09ME

Tgt Ion: 43 Resp: 7308
 Ion Ratio Lower Upper
 43 100
 58 1.5 29.9 44.9#
 100 0.0 8.7 13.1#

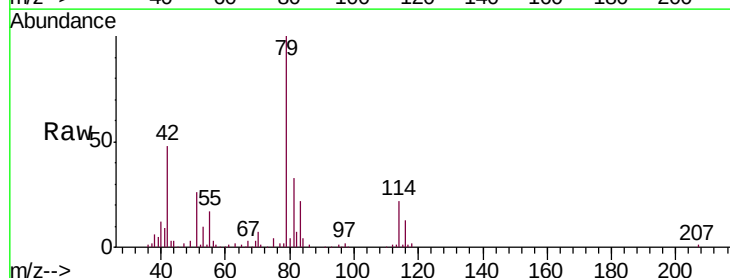


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

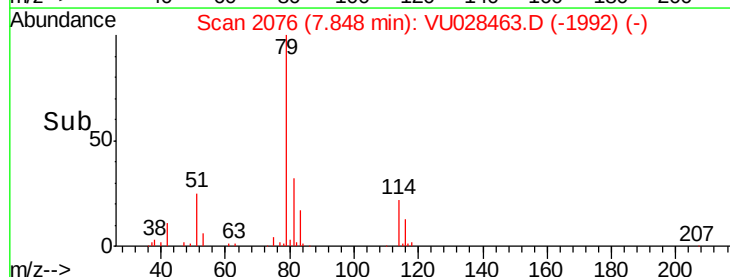
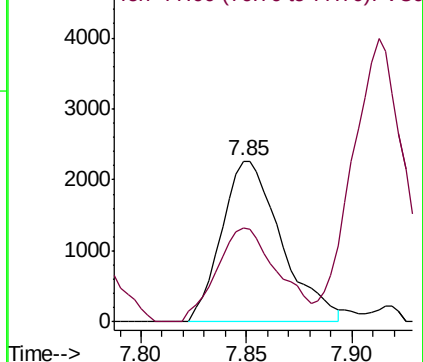


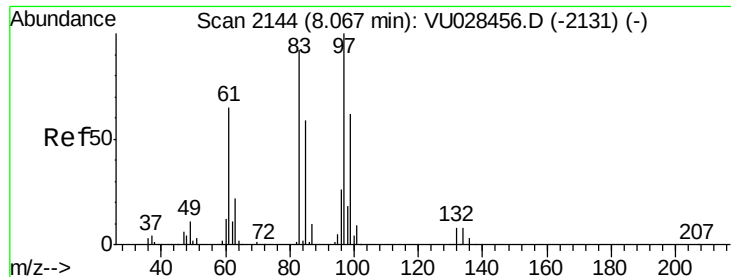
#44
 trans-1,3-Dichloropropene
 Concen: 0.570 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU028463.D
 Acq: 04 Dec 2018 13:15

Tgt Ion: 75 Resp: 4463
 Ion Ratio Lower Upper
 75 100
 77 58.6 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

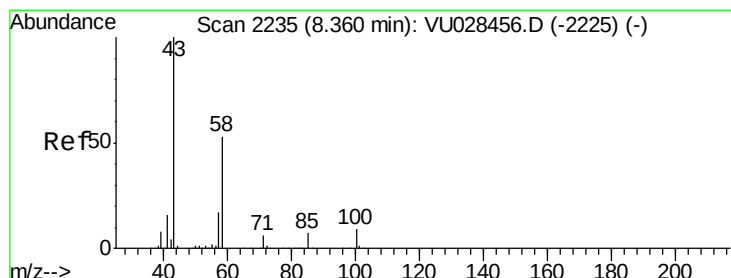
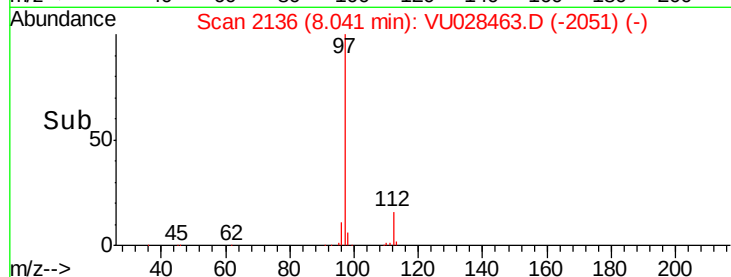
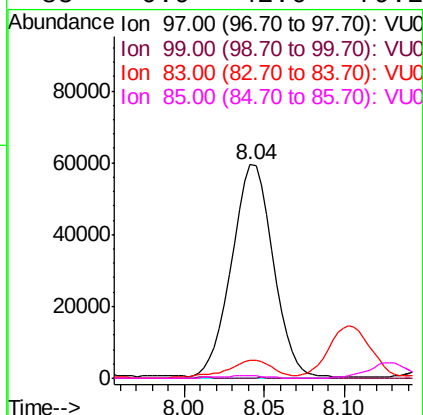
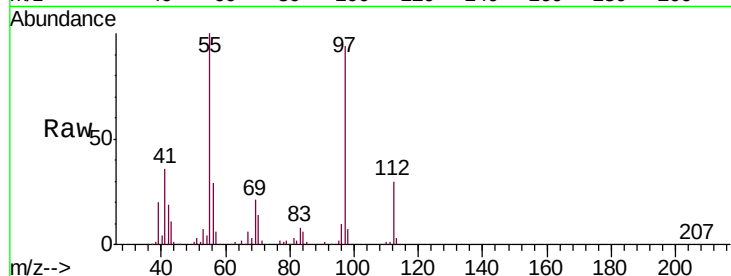




#45
 1,1,2-Trichloroethane
 Concen: 22.741 ug/L
 RT: 8.04 min Scan# 2136
 Delta R.T. -0.03 min
 Lab File: VU028463.D
 Acq: 04 Dec 2018 13:15

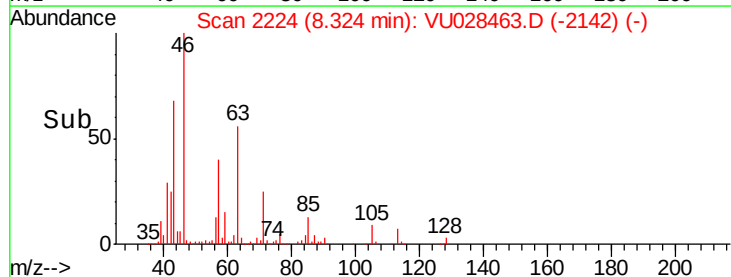
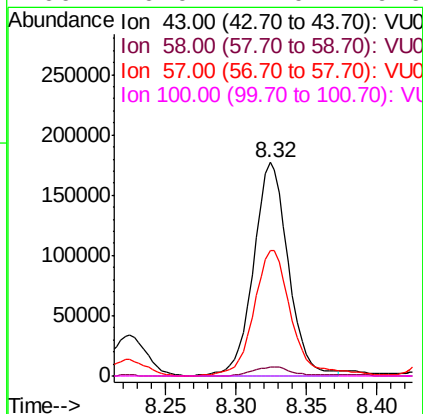
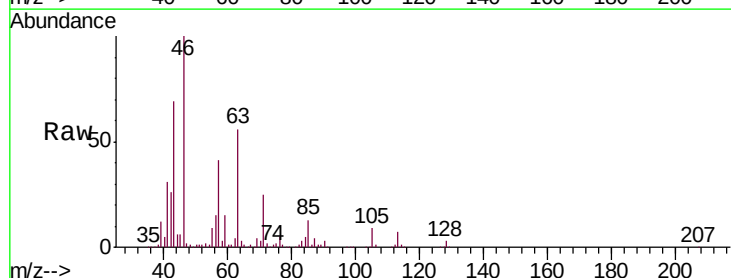
Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y09ME

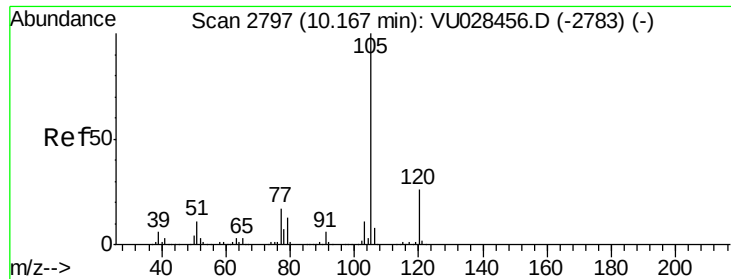
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.2	44.9	83.3#
83	8.4	65.1	120.9#
85	0.9	42.6	79.2#



#48
 2-Hexanone
 Concen: 37.949 ug/L
 RT: 8.32 min Scan# 2224
 Delta R.T. -0.04 min
 Lab File: VU028463.D
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Tgt Ion	Ratio	Lower	Upper
43	100		
58	5.0	41.4	62.0#
57	63.5	14.0	21.0#
100	0.0	7.0	10.6#





#56

Isopropylbenzene

Concen: 3.192 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028463.D

Acq: 04 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampled :

F9Y09ME

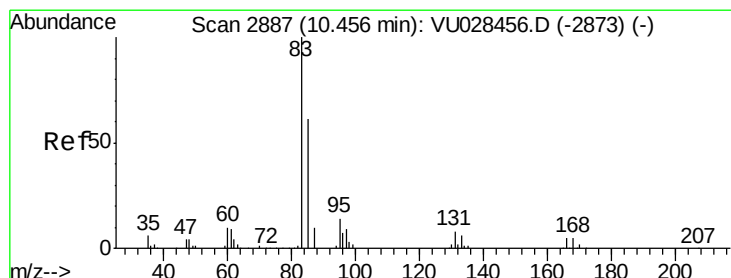
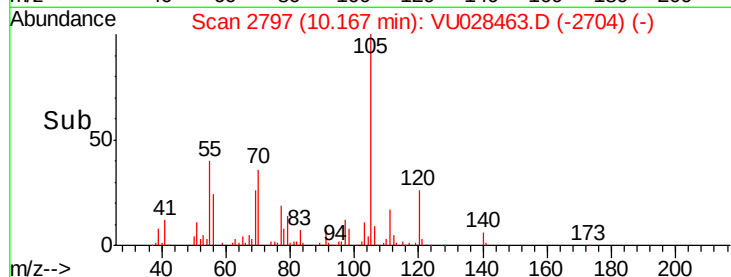
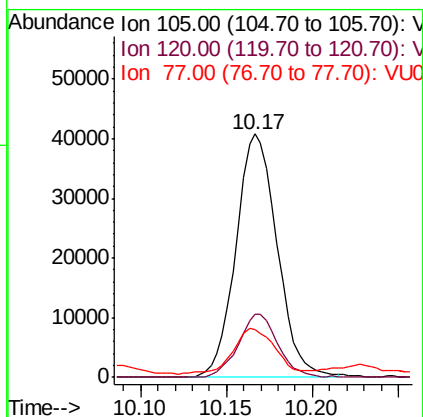
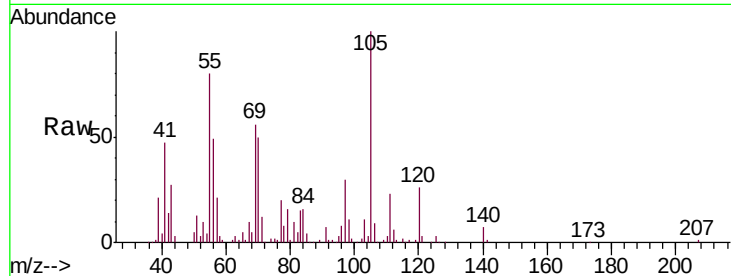
Tgt Ion: 105 Resp: 67848

Ion Ratio Lower Upper

105 100

120 24.7 20.1 30.1

77 18.6 13.4 20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 9.501 ug/L

RT: 10.49 min Scan# 2897

Delta R.T. 0.03 min

Lab File: VU028463.D

Acq: 04 Dec 2018 13:15

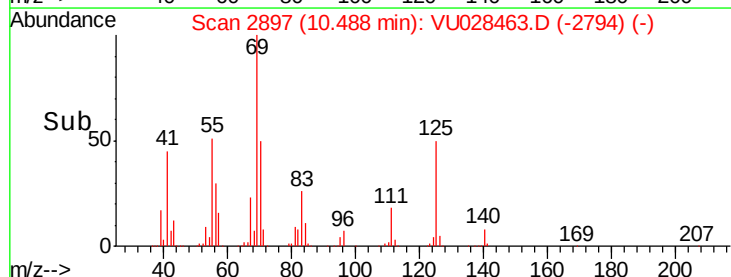
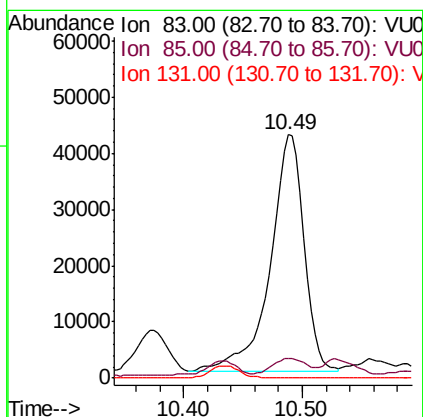
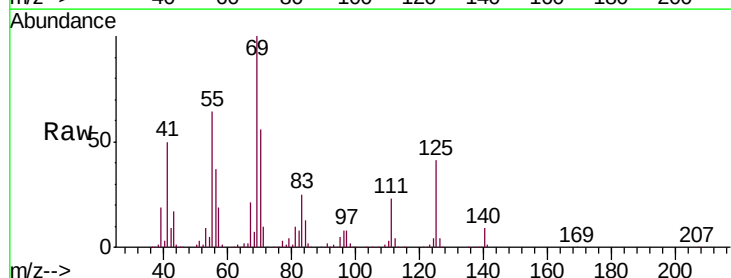
Tgt Ion: 83 Resp: 82899

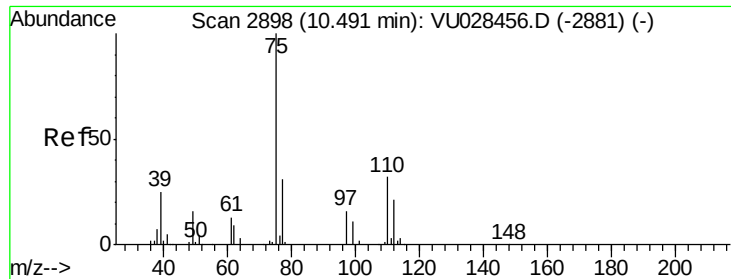
Ion Ratio Lower Upper

83 100

85 8.2 44.7 83.1#

131 0.0 6.5 9.7#





#59

1,2,3-Trichloropropane

Concen: 6.147 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028463.D

Acq: 04 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

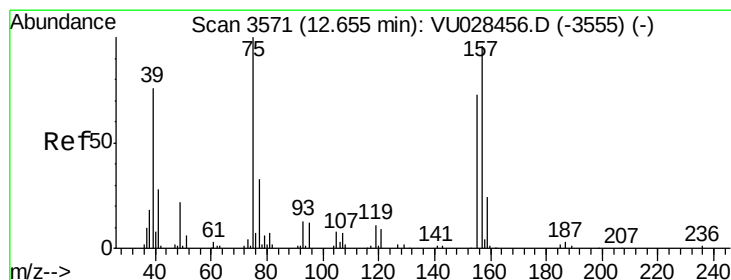
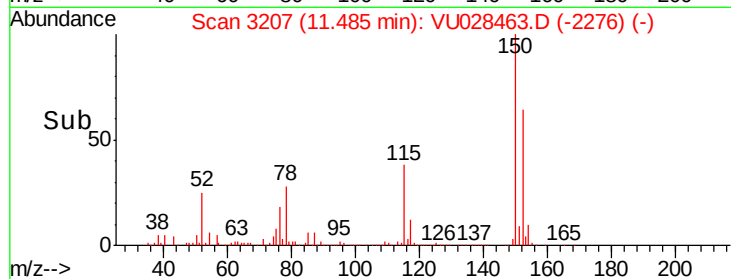
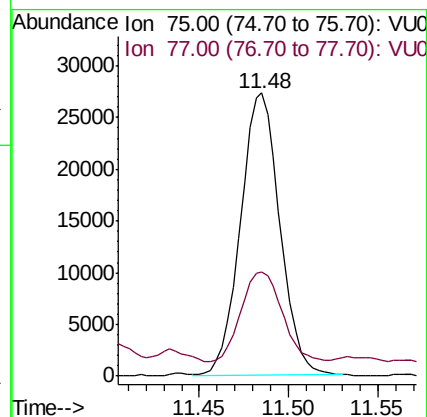
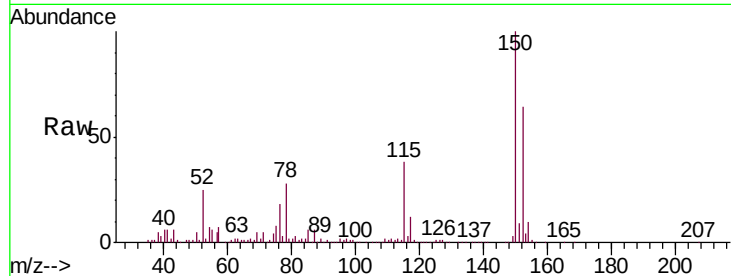
F9Y09ME

Tgt Ion: 75 Resp: 41969

Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4



#66

1,2-Dibromo-3-chloropropane

Concen: 1.051 ug/L

RT: 12.65 min Scan# 3568

Delta R.T. -0.01 min

Lab File: VU028463.D

Acq: 04 Dec 2018 13:15

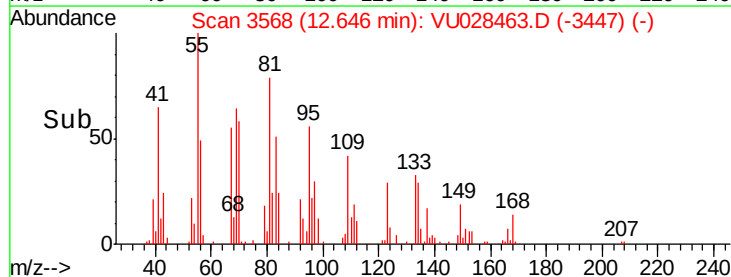
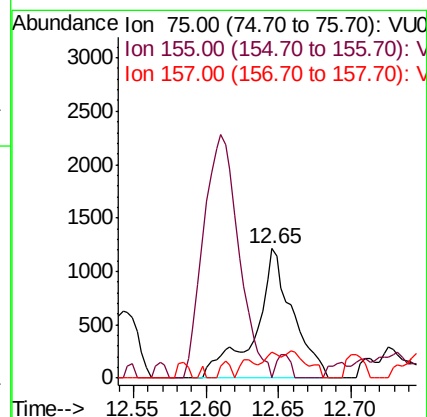
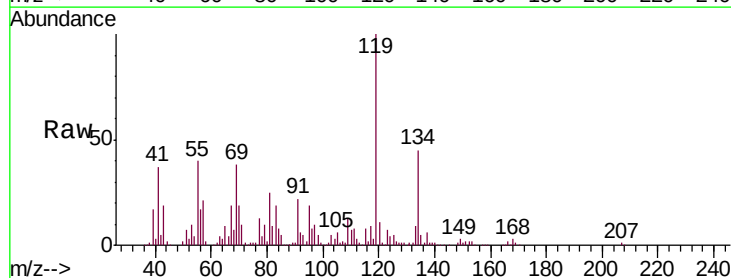
Tgt Ion: 75 Resp: 2184

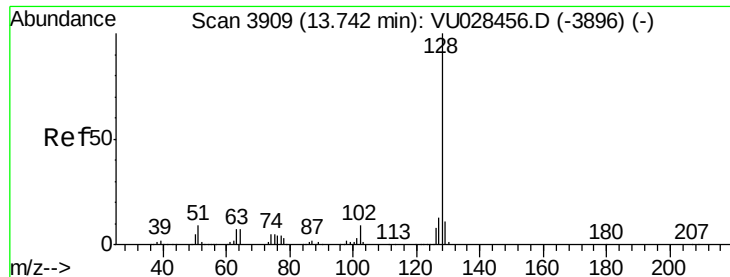
Ion Ratio Lower Upper

75 100

155 0.0 58.8 88.2#

157 19.8 76.9 115.3#





#69

Naphthalene

Concen: 1.733 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028463.D

Acq: 04 Dec 2018 13:15

Instrument :

MSVOA_U

ClientSampleId :

F9Y09ME

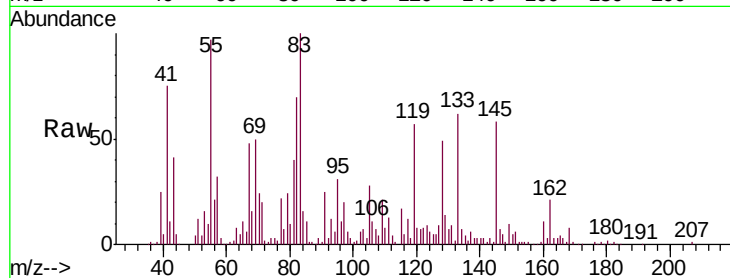
Tgt Ion:128 Resp: 43009

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 30.5 8.6 12.8#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

