

Data File : VU028462.D
Acq On : 04 Dec 2018 12:52
Operator : MD/SY
Sample : J6171-10ME
Misc : 6.44g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9Y14ME

Quant Time: Dec 05 03:13:59 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	483262	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472724	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	257772	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	151691	35.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.16%
7) Chloroethane-d5	1.64	69	137842	41.53	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.06%
11) 1,1-Dichloroethene-d2	2.24	63	216788	28.19	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.38%#
21) 2-Butanone-d5	4.19	46	298820	84.21	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.21%
24) Chloroform-d	4.64	84	275780	39.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.08%
26) 1,2-Dichloroethane-d4	5.30	65	190575	40.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.24%
32) Benzene-d6	5.33	84	571815	38.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.70%
36) 1,2-Dichloropropane-d6	6.32	67	211476	39.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.66%
41) Toluene-d8	7.56	98	530495	39.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.56%#
43) trans-1,3-Dichloropropene-	7.85	79	94545	39.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.86%
47) 2-Hexanone-d5	8.32	63	226849	88.45	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302553	44.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	229470	44.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.52%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	13464	2.156 ug/L	98
6) Bromomethane	1.60	94	1971	1.311 ug/L	72
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	1814	0.575 ug/L #	21
16) Methylene chloride	2.68	84	2704	0.685 ug/L #	81
29) Cyclohexane	4.98	56	432391	56.360 ug/L	99
35) Methylcyclohexane	6.41	83	1707800	252.672 ug/L	89
37) 1,2-Dichloropropane	6.41	63	16376	3.401 ug/L #	90
38) Bromodichloromethane	6.73	83	25275	4.731 ug/L #	77
39) cis-1,3-Dichloropropene	7.22	75	5837	0.854 ug/L #	53
44) trans-1,3-Dichloropropene	7.85	75	3826	0.611 ug/L #	32
45) 1,1,2-Trichloroethane	8.04	97	194854	52.042 ug/L #	17
48) 2-Hexanone	8.32	43	642813	100.481 ug/L #	29
56) Isopropylbenzene	10.17	105	116773	6.864 ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.49	83	194494	27.847 ug/L #	33
59) 1,2,3-Trichloropropane	11.48	75	35613	6.516 ug/L	89
66) 1,2-Dibromo-3-chloropropan	12.65	75	2707	1.611 ug/L #	6
69) Naphthalene	13.74	128	226227	11.271 ug/L #	94

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

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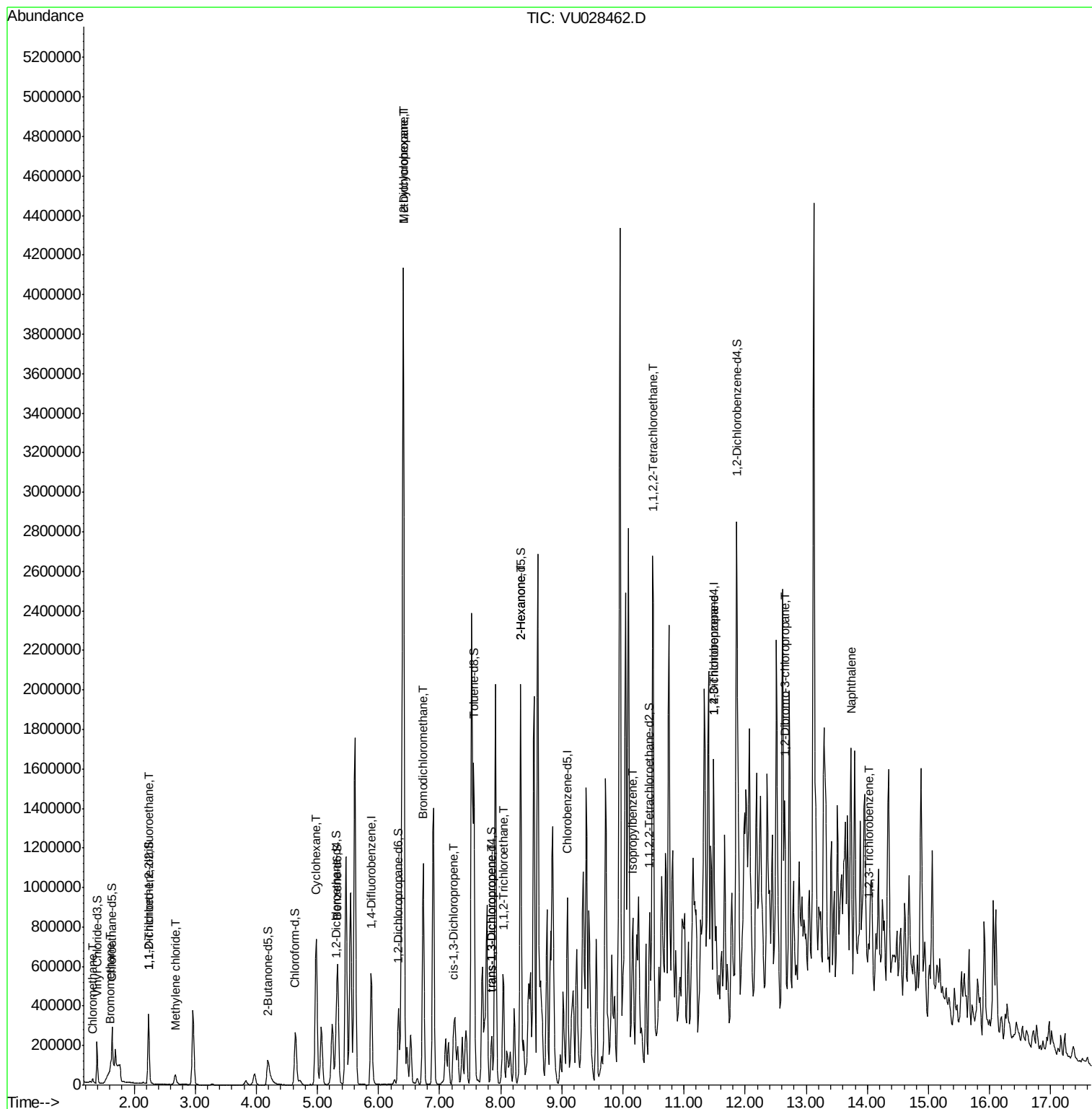
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	14.02	180	6521	1.125	ug/L #	1

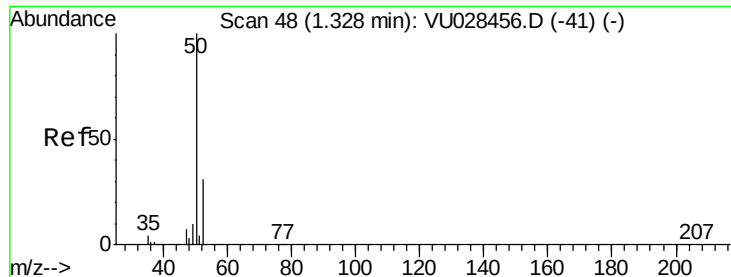
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.156 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028462.D

Acq: 04 Dec 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

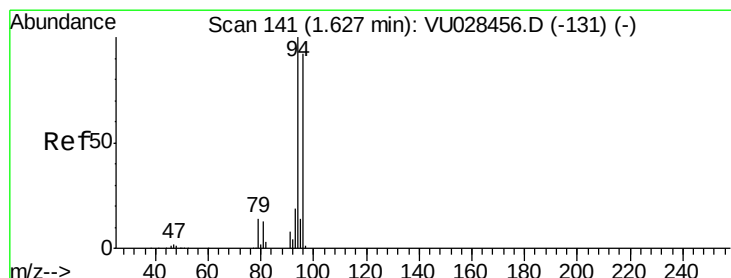
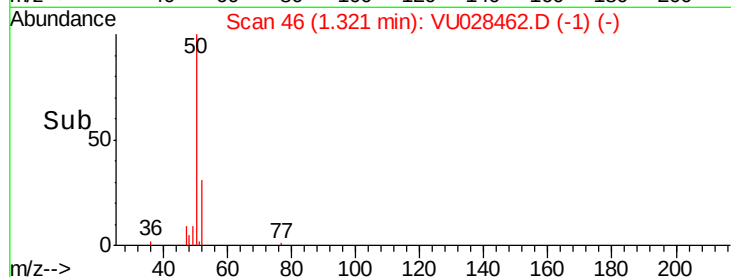
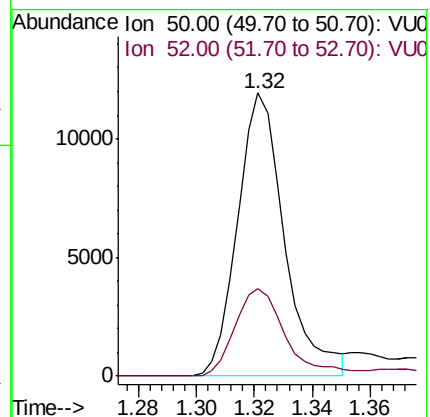
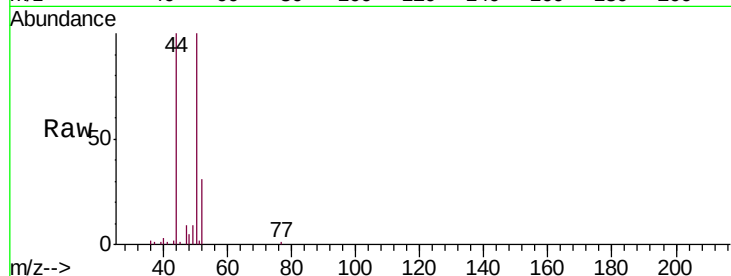
F9Y14ME

Tgt Ion: 50 Resp: 13464

Ion Ratio Lower Upper

50 100

52 30.9 22.6 42.0



#6

Bromomethane

Concen: 1.311 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.03 min

Lab File: VU028462.D

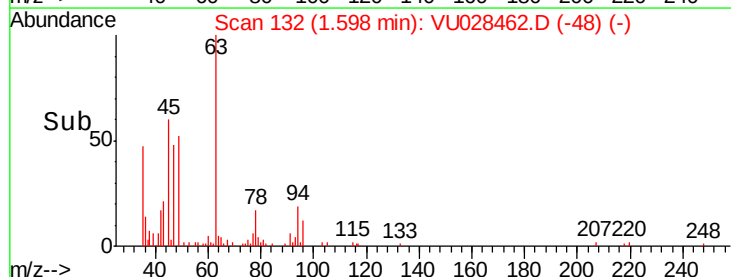
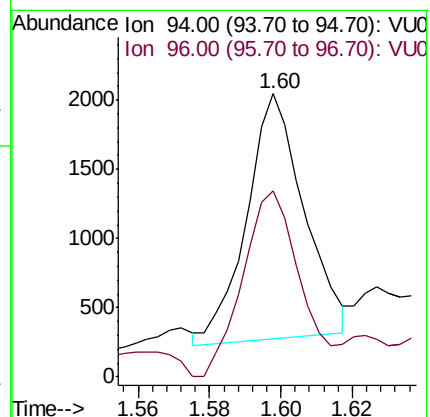
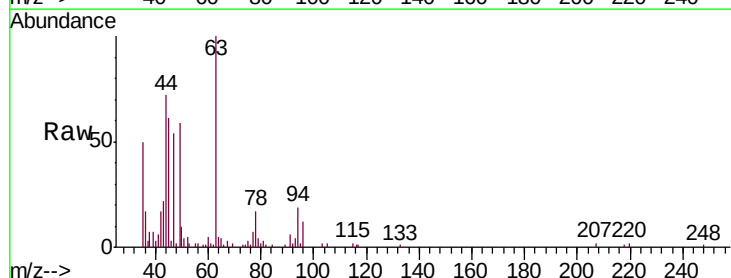
Acq: 04 Dec 2018 12:52

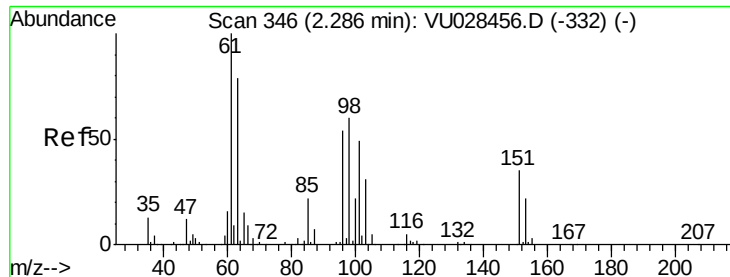
Tgt Ion: 94 Resp: 1971

Ion Ratio Lower Upper

94 100

96 65.7 64.5 119.9





#10

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

Concen: 0.575 ug/L

RT: 2.23 min Scan# 330

Delta R.T. -0.05 min

Lab File: VU028462.D

Acq: 04 Dec 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

F9Y14ME

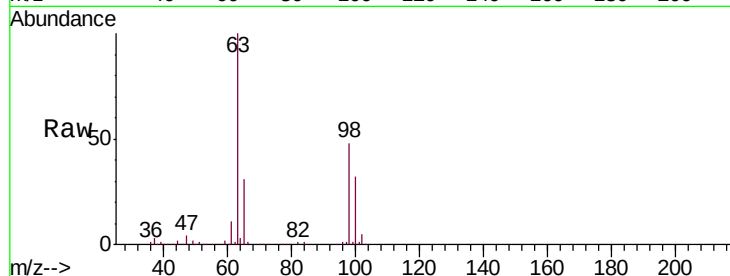
Tgt Ion:101 Resp: 1814

Ion Ratio Lower Upper

101 100

85 0.0 36.5 54.7#

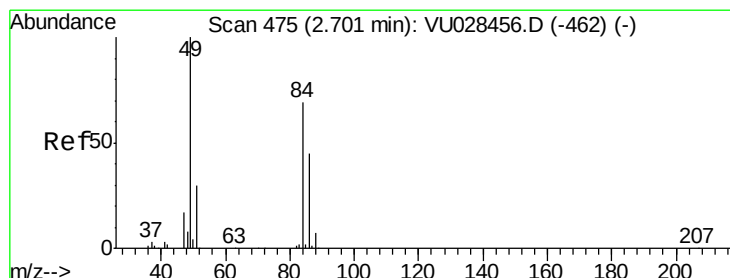
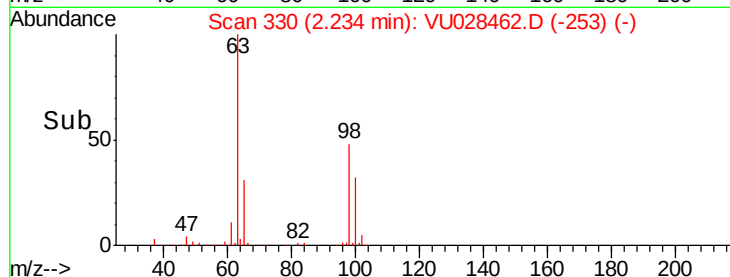
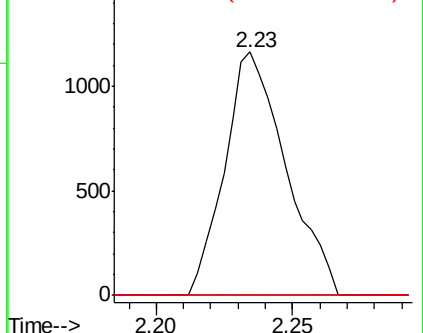
151 0.0 55.0 82.6#



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



#16

Methylene chloride

Concen: 0.685 ug/L

RT: 2.68 min Scan# 469

Delta R.T. -0.02 min

Lab File: VU028462.D

Acq: 04 Dec 2018 12:52

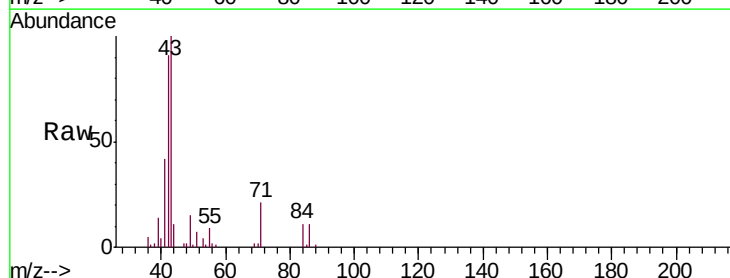
Tgt Ion: 84 Resp: 2704

Ion Ratio Lower Upper

84 100

86 97.6 45.6 84.8#

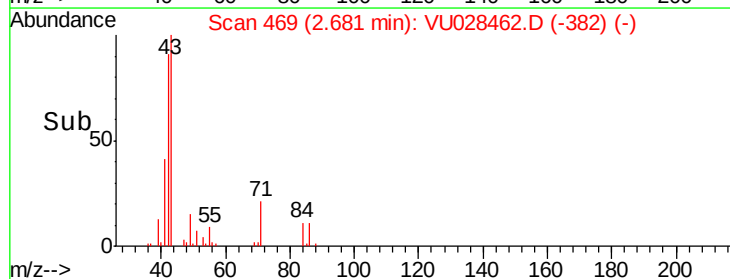
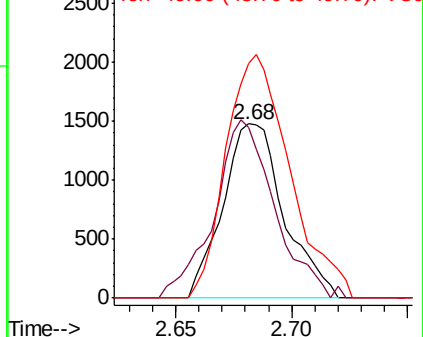
49 134.3 101.3 188.1

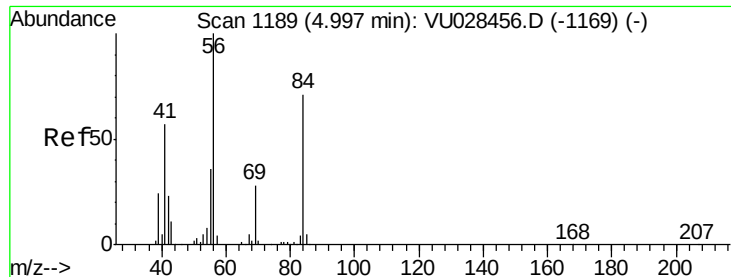


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

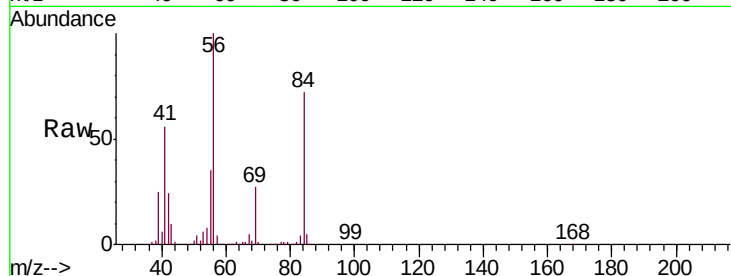




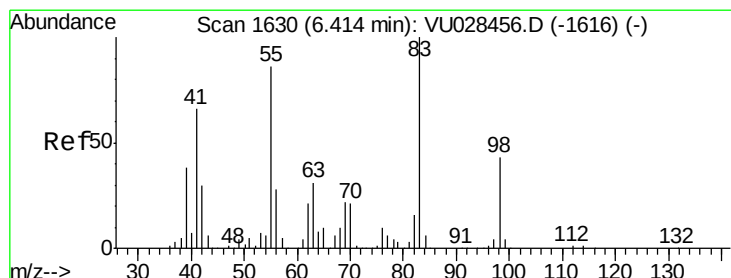
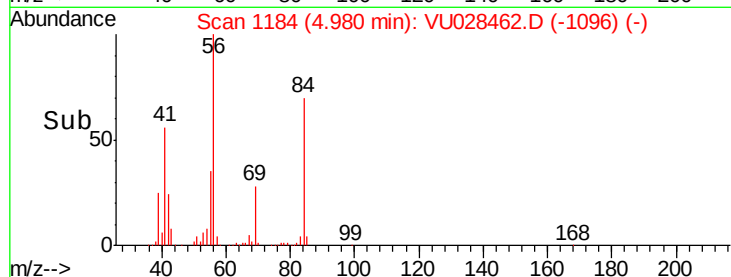
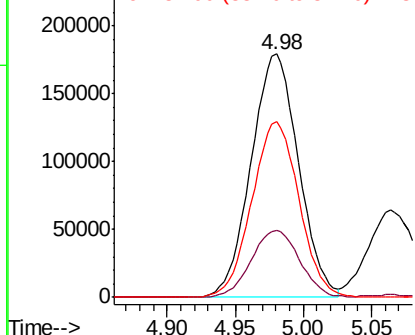
#29
Cyclohexane
Concen: 56.360 ug/L
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028462.D
Acq: 04 Dec 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
F9Y14ME

Tgt Ion: 56 Resp: 432391
Ion Ratio Lower Upper
56 100
69 28.1 22.5 33.7
84 71.9 56.6 85.0

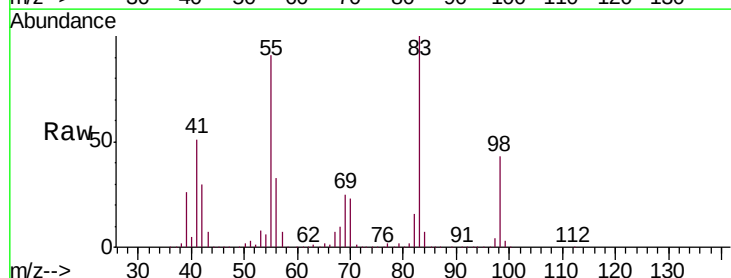


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

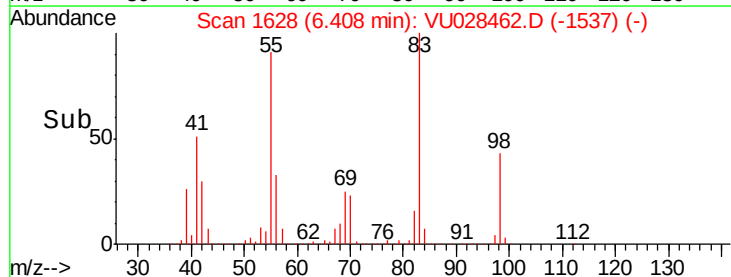
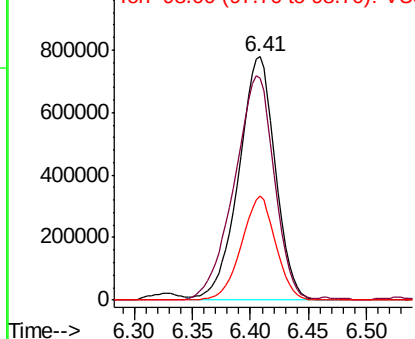


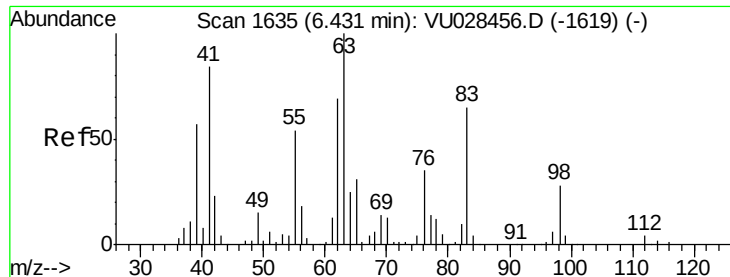
#35
Methylcyclohexane
Concen: 252.672 ug/L
RT: 6.41 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VU028462.D
Acq: 04 Dec 2018 12:52

Tgt Ion: 83 Resp: 1707800
Ion Ratio Lower Upper
83 100
55 100.8 70.5 105.7
98 39.9 34.6 52.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

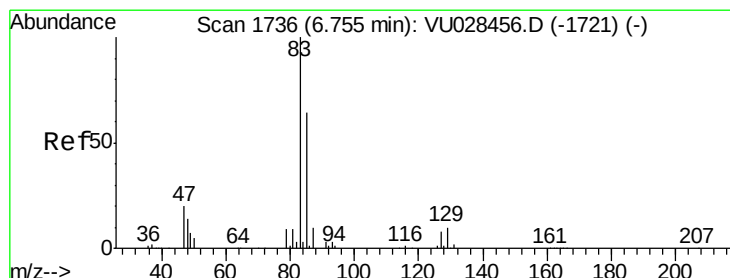
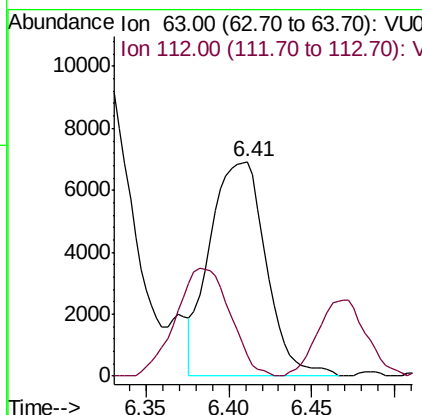
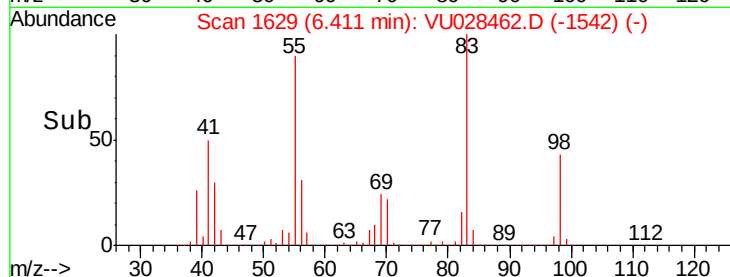
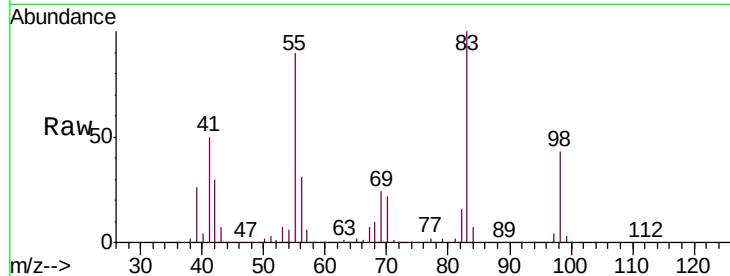




#37
 1,2-Dichloropropane
 Concen: 3.401 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. -0.02 min
 Lab File: VU028462.D
 Acq: 04 Dec 2018 12:52

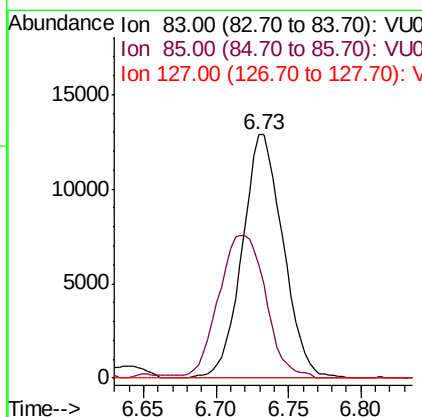
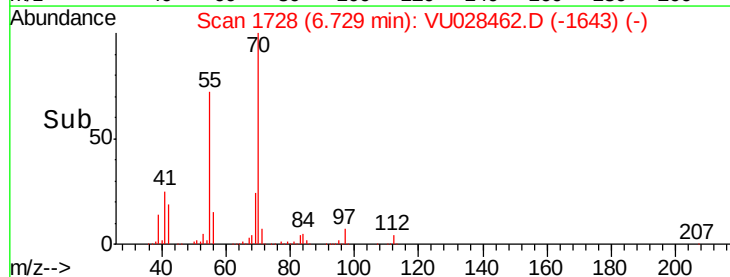
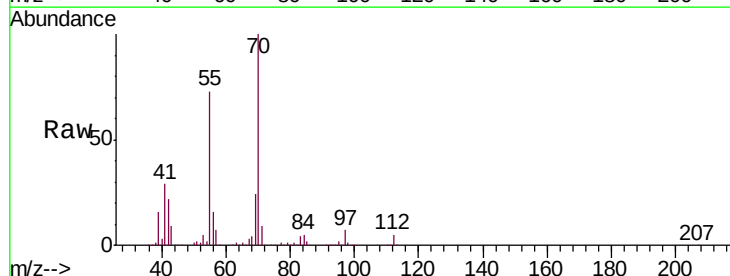
Instrument :
 MSVOA_U
 ClientSampleID :
 F9Y14ME

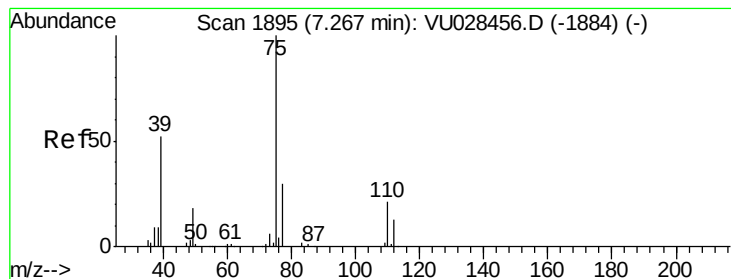
Tgt Ion: 63 Resp: 16376
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#38
 Bromodichloromethane
 Concen: 4.731 ug/L
 RT: 6.73 min Scan# 1728
 Delta R.T. -0.03 min
 Lab File: VU028462.D
 Acq: 04 Dec 2018 12:52

Tgt Ion: 83 Resp: 25275
 Ion Ratio Lower Upper
 83 100
 85 46.3 44.9 83.3
 127 0.0 6.0 9.0#



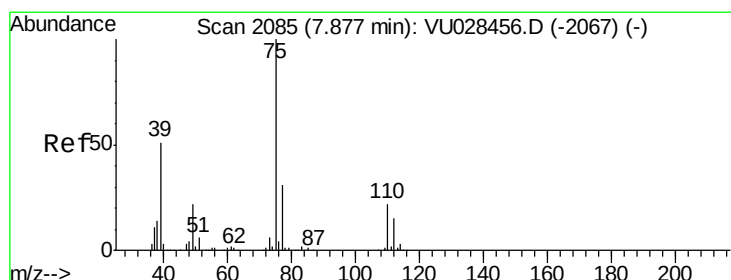
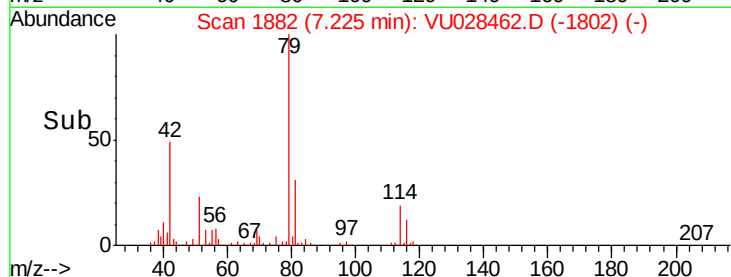
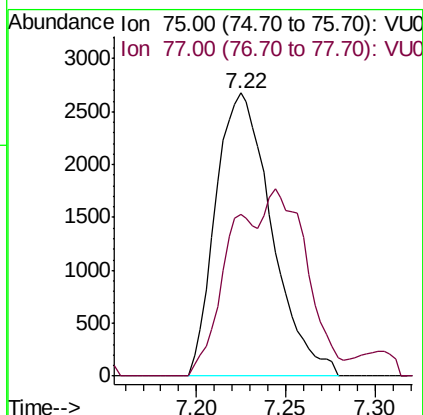
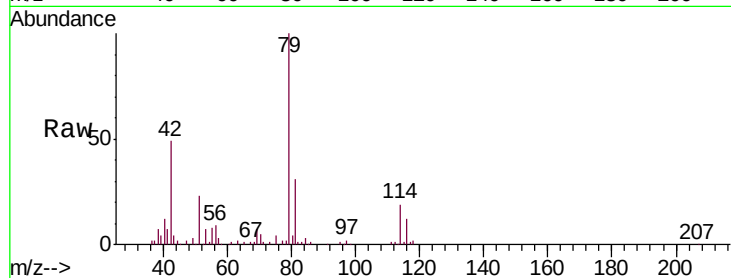


#39

cis-1,3-Dichloropropene
Concen: 0.854 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU028462.D
Acq: 04 Dec 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
F9Y14ME

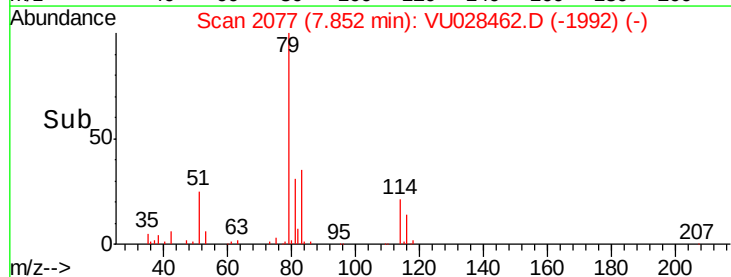
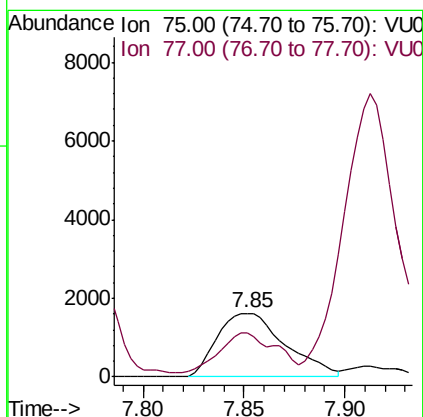
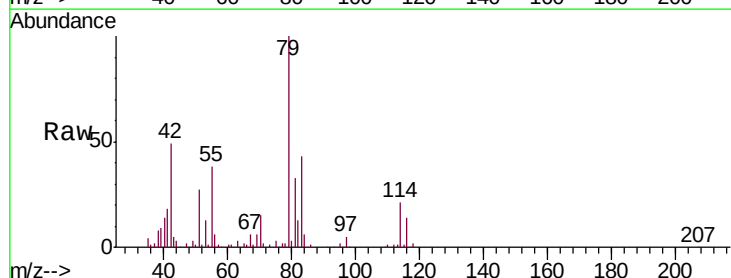
Tgt Ion: 75 Resp: 5837
Ion Ratio Lower Upper
75 100
77 57.2 21.9 40.7#

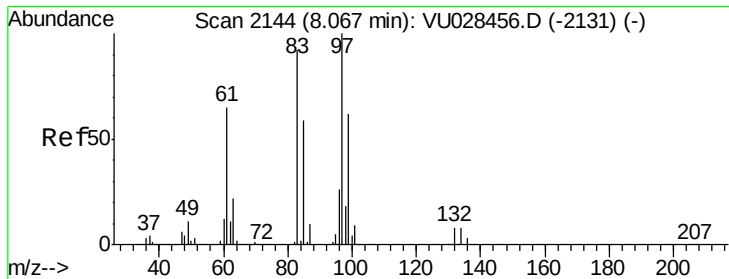


#44

trans-1,3-Dichloropropene
Concen: 0.611 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU028462.D
Acq: 04 Dec 2018 12:52

Tgt Ion: 75 Resp: 3826
Ion Ratio Lower Upper
75 100
77 69.2 22.1 41.1#

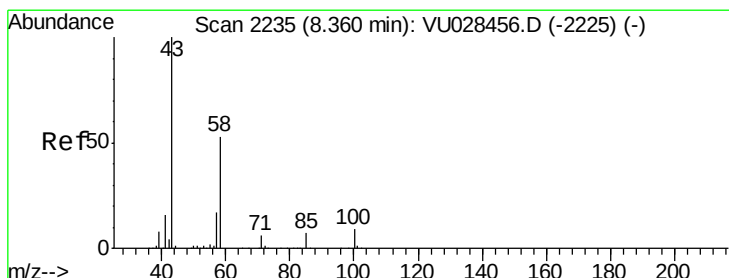
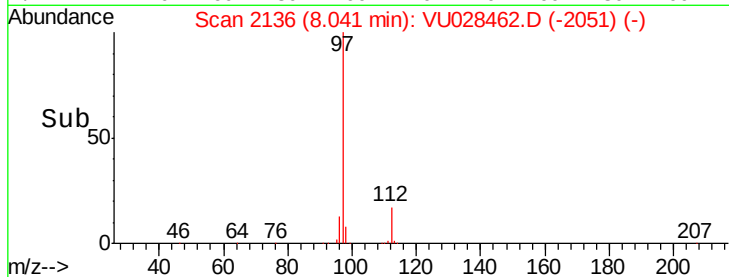
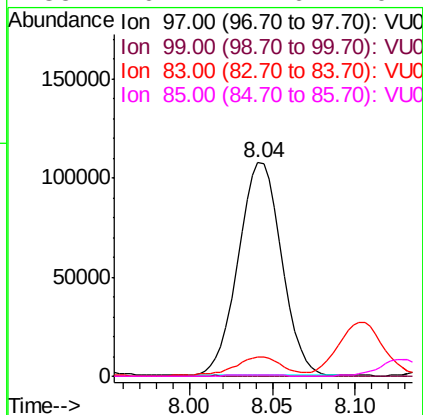
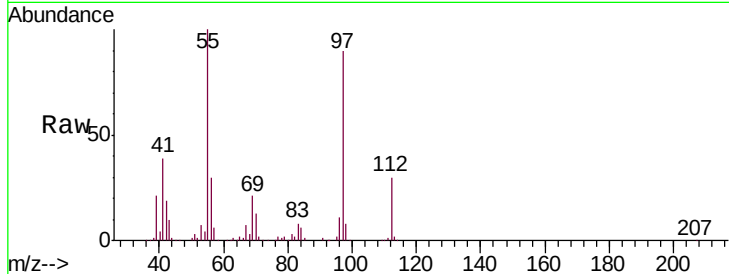




#45
 1,1,2-Trichloroethane
 Concen: 52.042 ug/L
 RT: 8.04 min Scan# 2136
 Delta R.T. -0.03 min
 Lab File: VU028462.D
 Acq: 04 Dec 2018 12:52

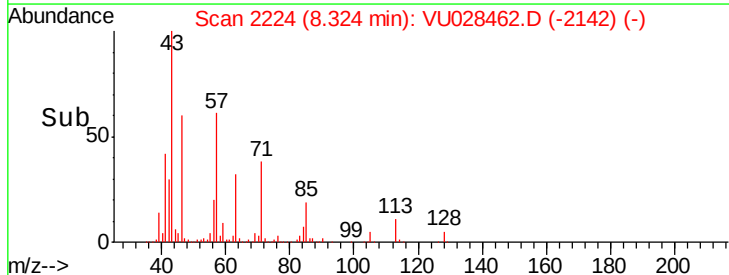
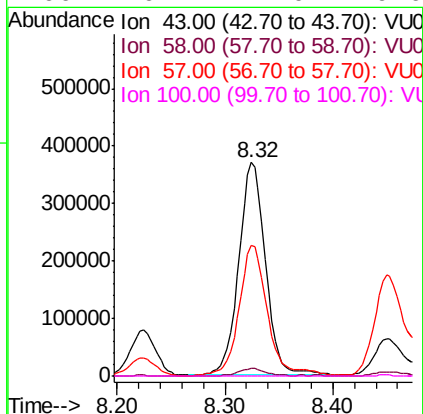
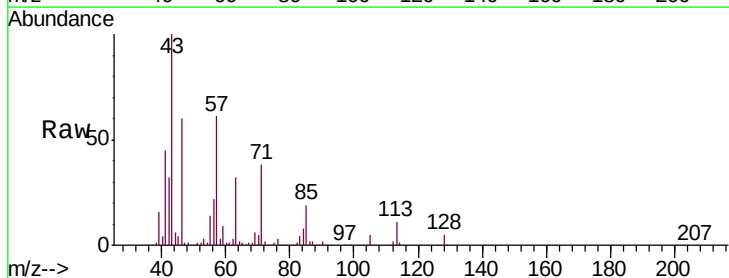
Instrument :
 MSVOA_U
 ClientSampleId :
 F9Y14ME

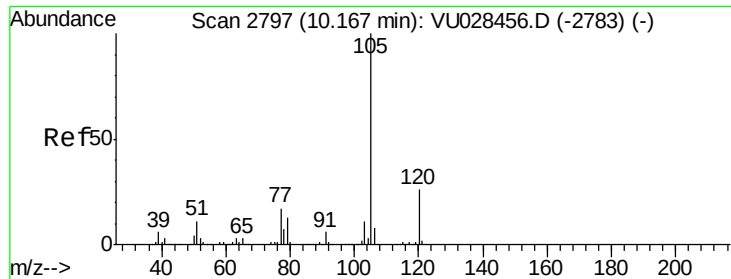
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.3	44.9	83.3#
83	9.1	65.1	120.9#
85	0.7	42.6	79.2#



#48
 2-Hexanone
 Concen: 100.481 ug/L
 RT: 8.32 min Scan# 2224
 Delta R.T. -0.04 min
 Lab File: VU028462.D
 Acq: 04 Dec 2018 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	3.6	41.4	62.0#
57	62.4	14.0	21.0#
100	0.1	7.0	10.6#





#56

Isopropylbenzene

Concen: 6.864 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028462.D

Acq: 04 Dec 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

F9Y14ME

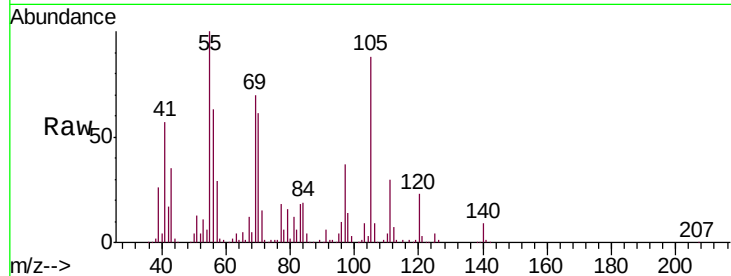
Tgt Ion:105 Resp: 116773

Ion Ratio Lower Upper

105 100

120 26.0 20.1 30.1

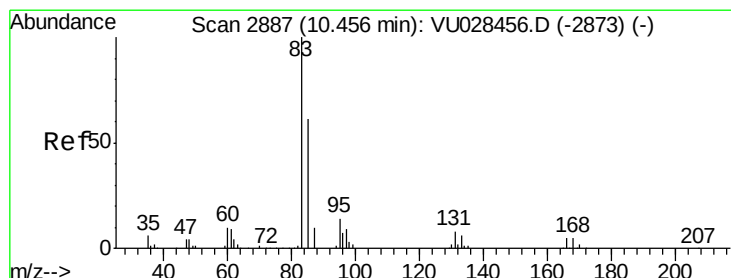
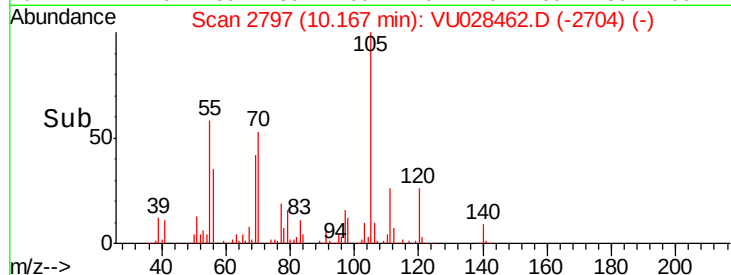
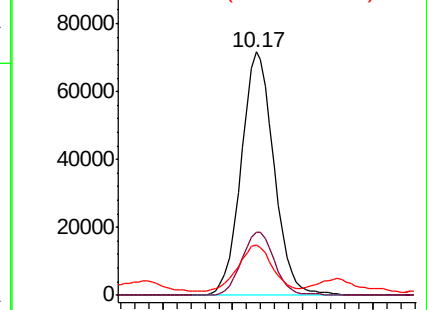
77 19.5 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.847 ug/L

RT: 10.49 min Scan# 2897

Delta R.T. 0.03 min

Lab File: VU028462.D

Acq: 04 Dec 2018 12:52

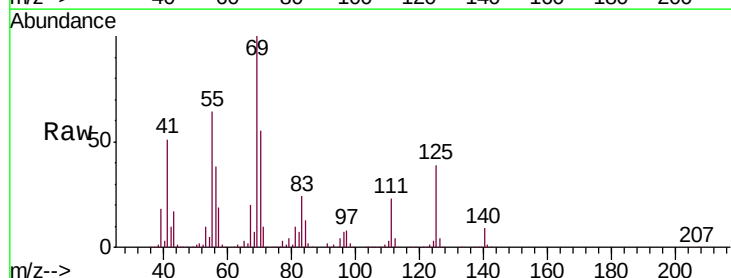
Tgt Ion: 83 Resp: 194494

Ion Ratio Lower Upper

83 100

85 7.5 44.7 83.1#

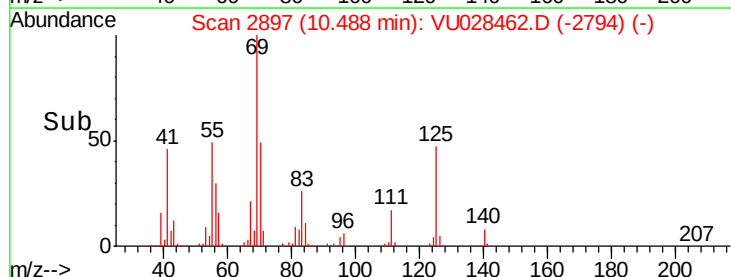
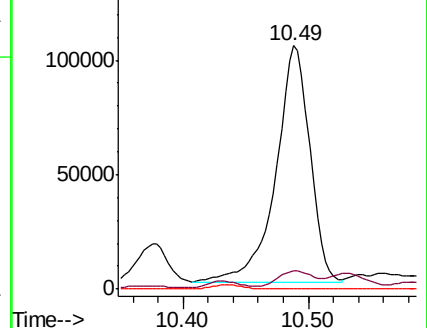
131 0.0 6.5 9.7#

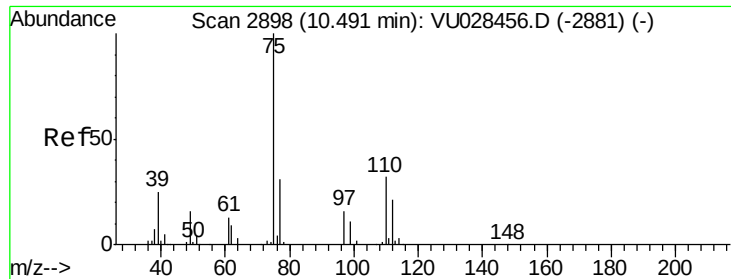


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

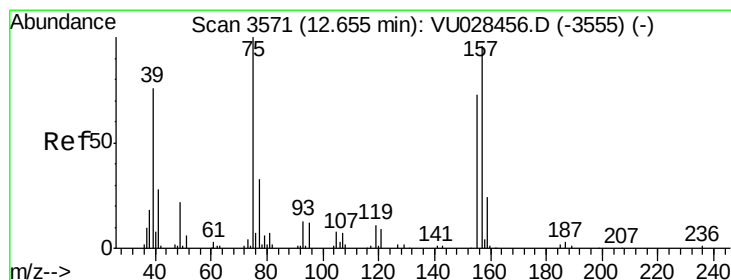
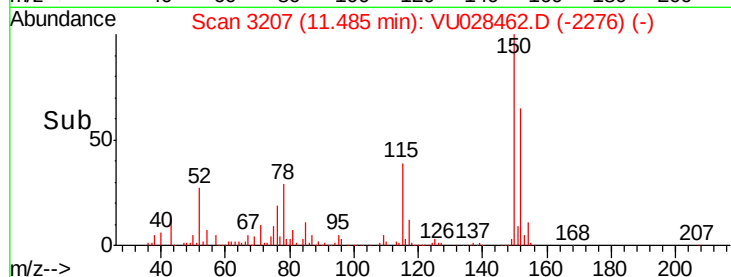
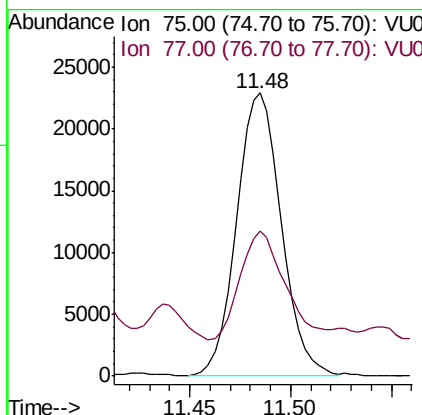
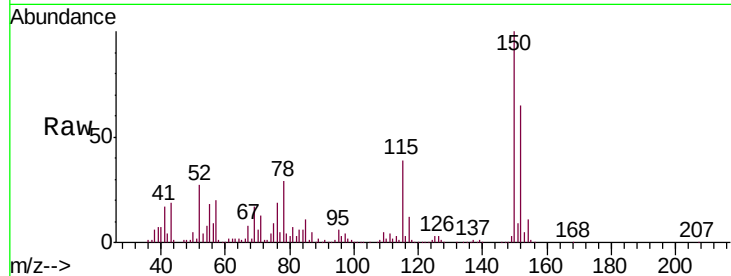




#59
 1,2,3-Trichloropropane
 Concen: 6.516 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU028462.D
 Acq: 04 Dec 2018 12:52

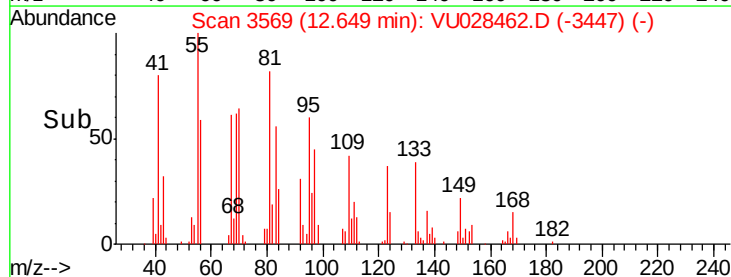
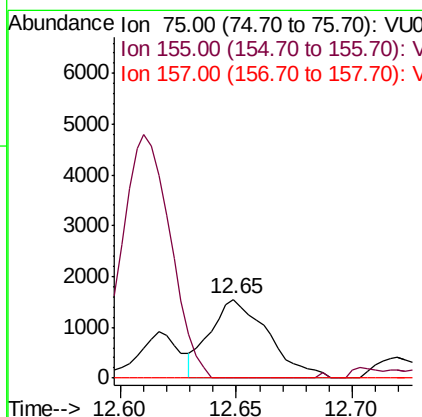
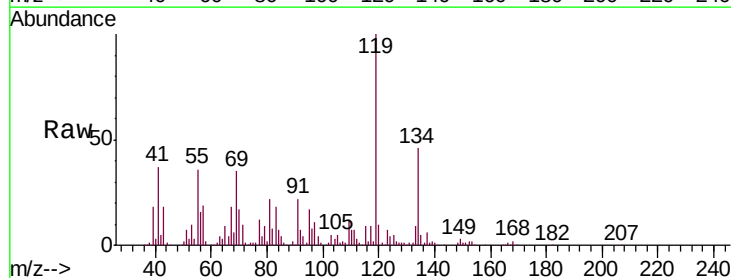
Instrument :
 MSVOA_U
 ClientSampled :
 F9Y14ME

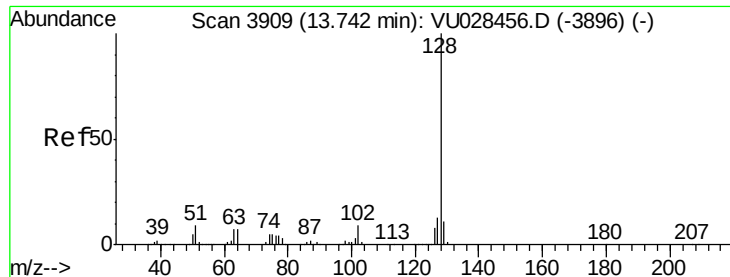
Tgt Ion: 75 Resp: 35613
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.6 38.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.611 ug/L
 RT: 12.65 min Scan# 3569
 Delta R.T. -0.01 min
 Lab File: VU028462.D
 Acq: 04 Dec 2018 12:52

Tgt Ion: 75 Resp: 2707
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.8 88.2#
 157 0.0 76.9 115.3#





#69

Naphthalene

Concen: 11.271 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028462.D

Acq: 04 Dec 2018 12:52

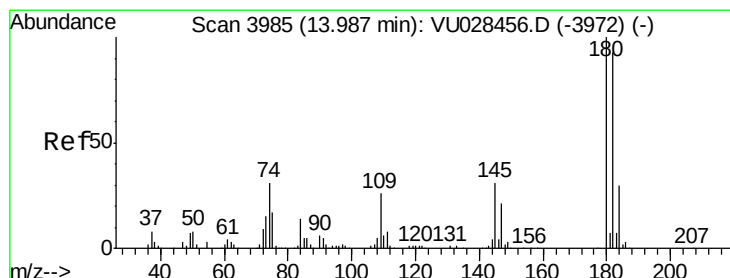
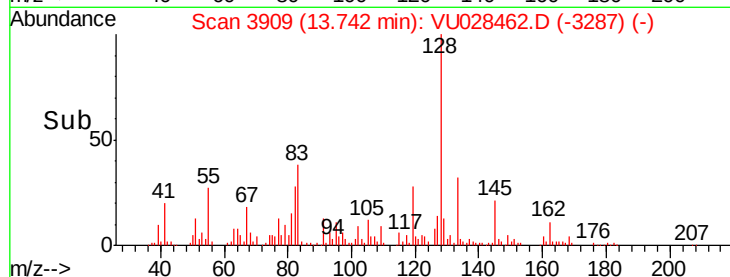
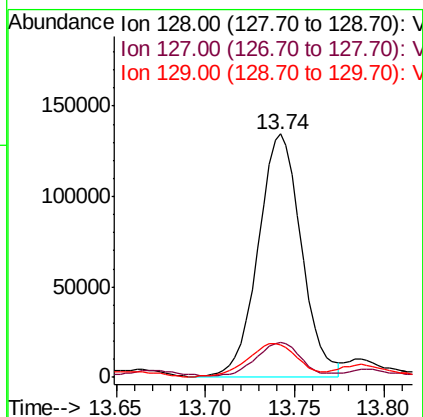
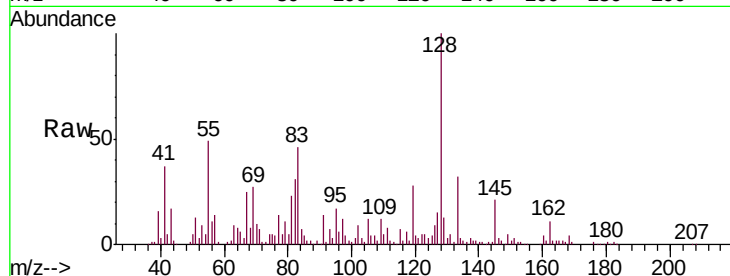
Instrument :

MSVOA_U

ClientSampleId :

F9Y14ME

Tgt Ion:	128	Resp:	226227
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	15.5	8.6	12.8#



#70

1,2,3-Trichlorobenzene

Concen: 1.125 ug/L

RT: 14.02 min Scan# 3994

Delta R.T. 0.03 min

Lab File: VU028462.D

Acq: 04 Dec 2018 12:52

Tgt Ion:	180	Resp:	6521
Ion	Ratio	Lower	Upper
180	100		
182	10.0	76.6	115.0#
145	1140.0	26.2	39.2#

