

Data File : VU028941.D
Acq On : 24 Dec 2018 12:42
Operator : MD/SY
Sample : J6489-07
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9F75

Quant Time: Dec 25 00:06:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 25 00:02:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	222133	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	216798	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	114568	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79387	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.16%
7) Chloroethane-d5	1.64	69	43647	31.73	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.46%#
11) 1,1-Dichloroethene-d2	2.23	63	125689	41.97	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.94%
21) 2-Butanone-d5	4.19	46	144246	115.61	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.61%
24) Chloroform-d	4.64	84	162049	57.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.74%
26) 1,2-Dichloroethane-d4	5.30	65	101566	58.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.68%
32) Benzene-d6	5.33	84	357444	58.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.72%
36) 1,2-Dichloropropane-d6	6.33	67	118108	56.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.52%
41) Toluene-d8	7.56	98	334426	60.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.50%#
43) trans-1,3-Dichloropropene-	7.85	79	57207	61.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	122.72%
47) 2-Hexanone-d5	8.32	63	134306	135.91	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	135.91%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	191261	66.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	132.52%#
64) 1,2-Dichlorobenzene-d4	11.86	152	148268	63.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	127.98%#

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	5535	2.247 ug/L	96
6) Bromomethane	1.60	94	1056	1.139 ug/L	87
9) Trichlorofluoromethane	2.23	101	1256	0.564 ug/L #	29
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	1256	0.872 ug/L #	20
12) 1,1-Dichloroethene	2.23	96	1140	0.800 ug/L #	1
13) Acetone	2.34	43	1539	1.210 ug/L	82
15) Methyl Acetate	2.63	43	2592	1.308 ug/L #	75
16) Methylene chloride	2.68	84	1671	0.951 ug/L	83
29) Cyclohexane	4.98	56	1588	0.550 ug/L #	54
35) Methylcyclohexane	6.41	83	6172	2.224 ug/L #	81
37) 1,2-Dichloropropane	6.33	63	11514	5.968 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	2932	1.066 ug/L #	76
42) Toluene	7.64	91	2614	0.374 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	1893	0.772 ug/L #	80
45) 1,1,2-Trichloroethane	8.04	97	7666	4.647 ug/L #	19
48) 2-Hexanone	8.32	43	22368	10.509 ug/L #	44
56) Isopropylbenzene	10.17	105	6919	0.979 ug/L #	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
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Response via : Initial Calibration

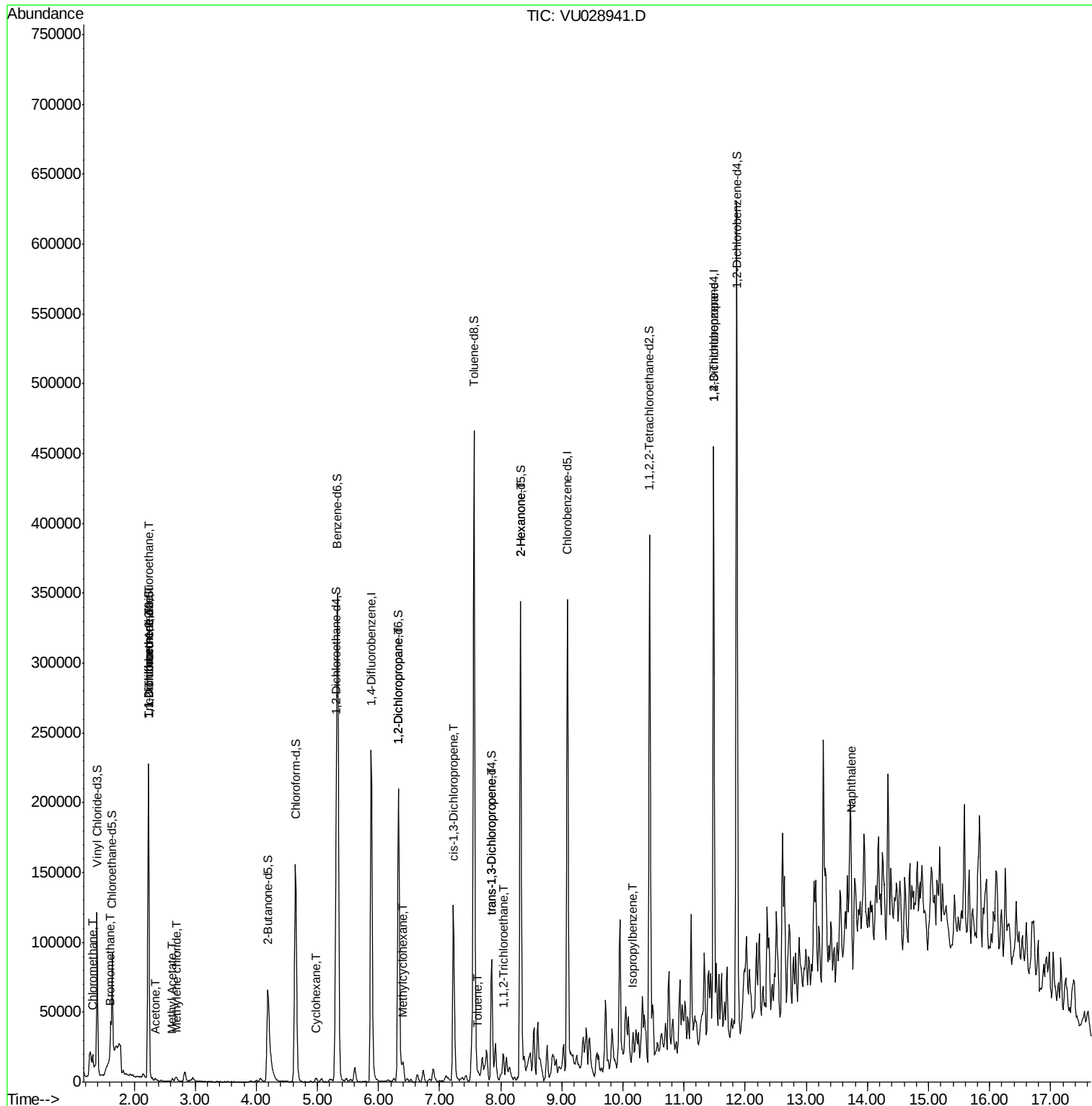
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	12844	5.578	ug/L	94
69) Naphthalene	13.75	128	3707	0.475	ug/L #	80

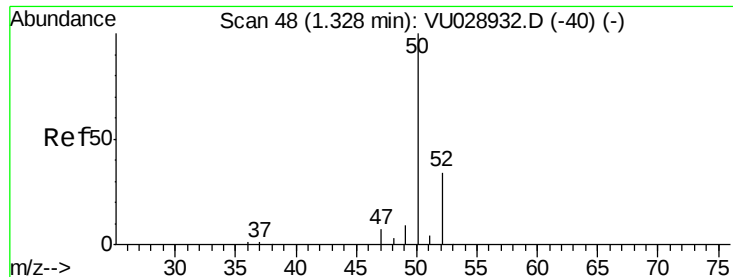
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.247 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

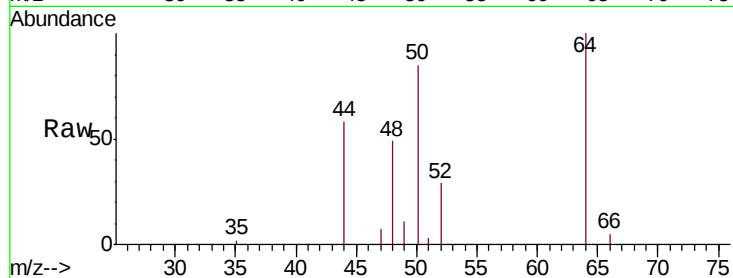
F9F75

Tgt Ion: 50 Resp: 5535

Ion Ratio Lower Upper

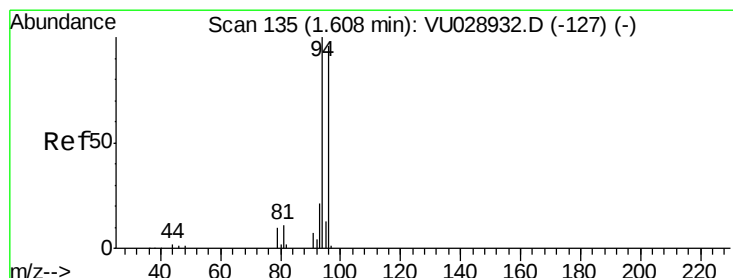
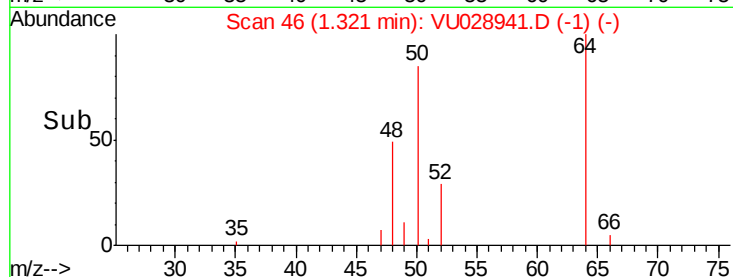
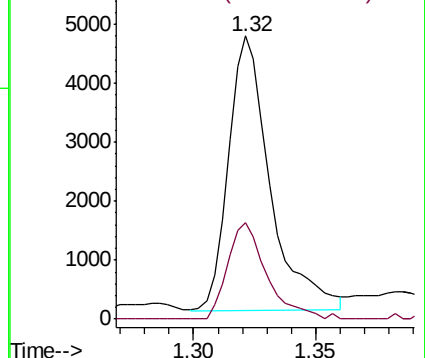
50 100

52 33.9 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#6

Bromomethane

Concen: 1.139 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.01 min

Lab File: VU028941.D

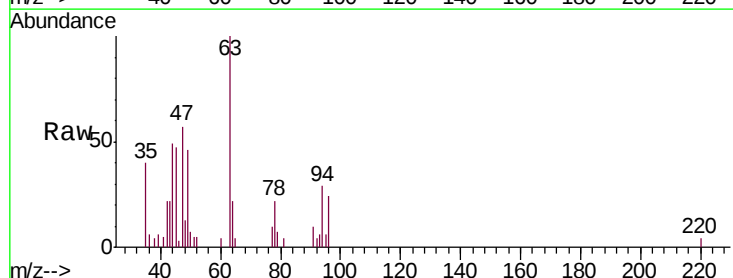
Acq: 24 Dec 2018 12:42

Tgt Ion: 94 Resp: 1056

Ion Ratio Lower Upper

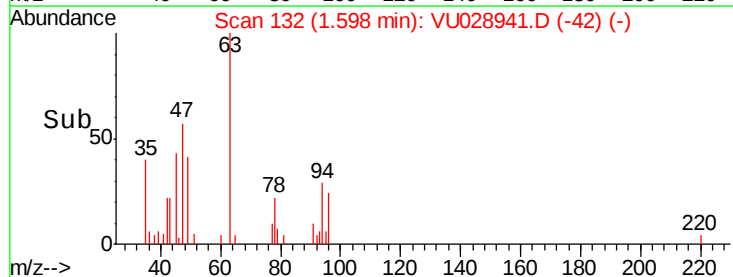
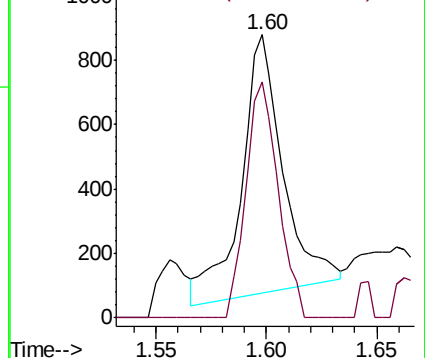
94 100

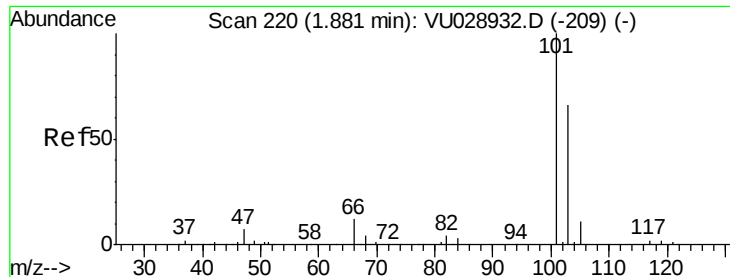
96 83.3 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#9

Trichlorofluoromethane

Concen: 0.564 ug/L

RT: 2.23 min Scan# 330

Delta R.T. 0.35 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

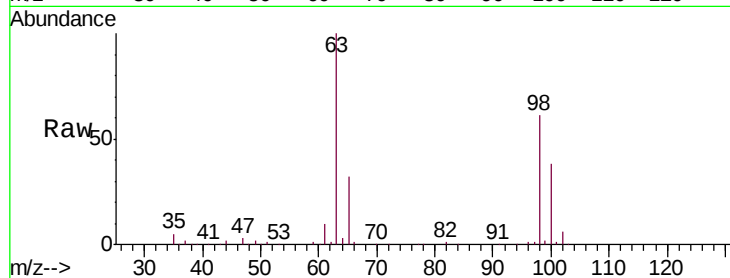
F9F75

Tgt Ion:101 Resp: 1256

Ion Ratio Lower Upper

101 100

103 8.3 51.4 77.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.23

800

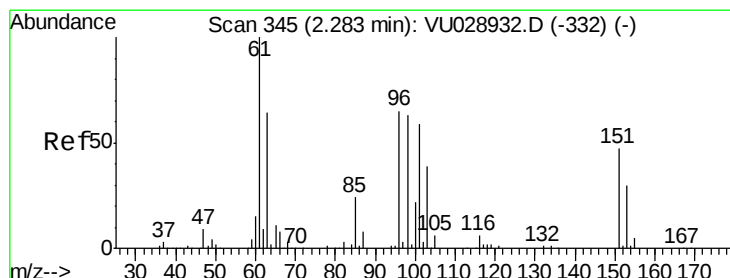
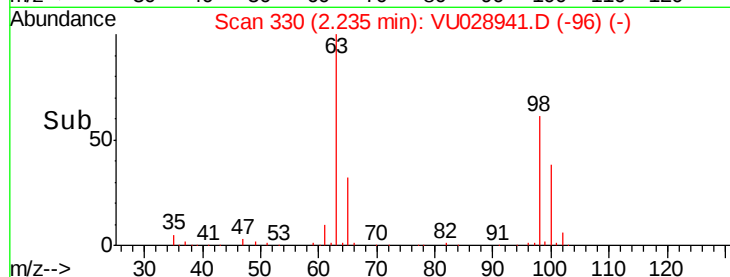
600

400

200

0

Time-->



#10

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

Concen: 0.872 ug/L

RT: 2.23 min Scan# 330

Delta R.T. -0.05 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

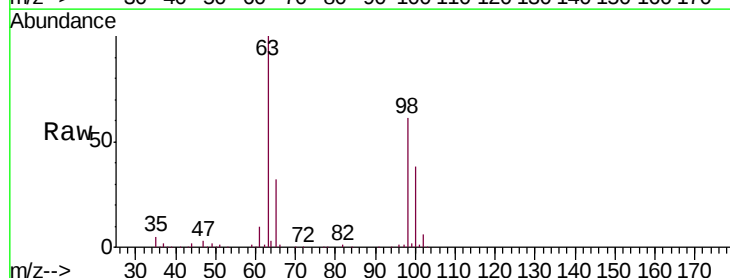
Tgt Ion:101 Resp: 1256

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 59.4 89.0#



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

1000

800

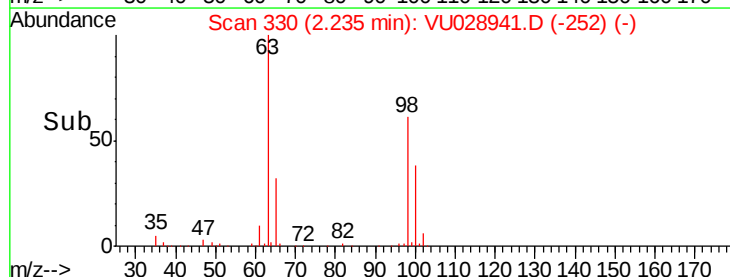
600

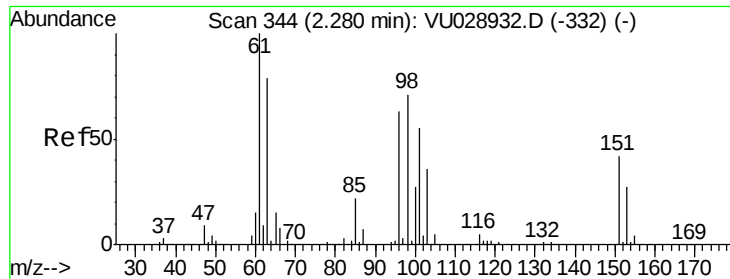
400

200

0

Time-->

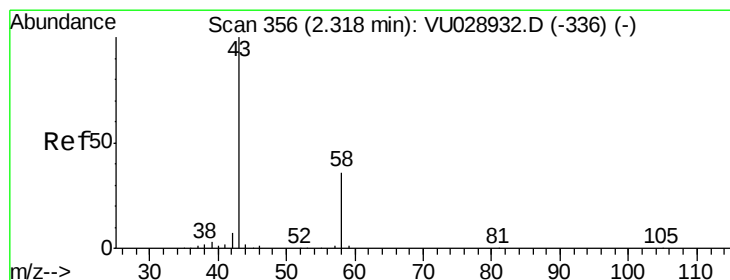
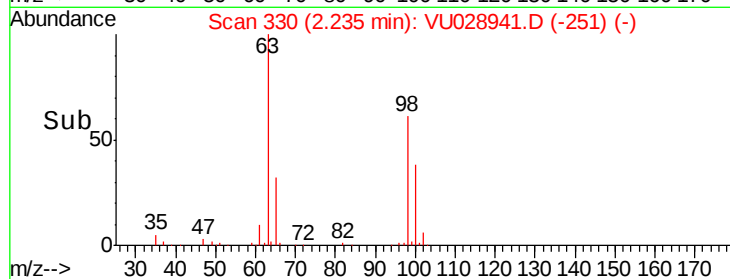
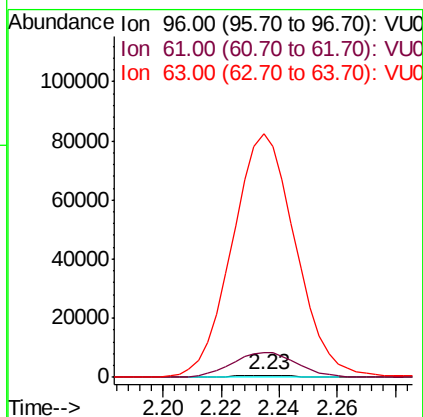
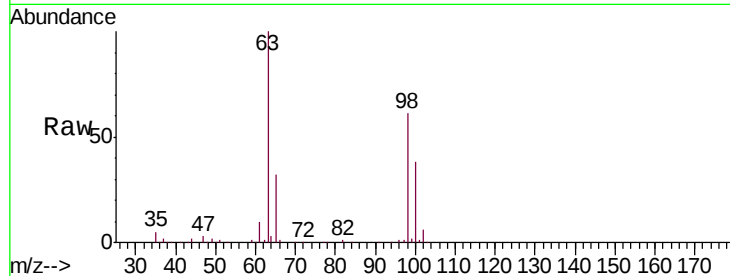




#12
 1,1-Dichloroethene
 Concen: 0.800 ug/L
 RT: 2.23 min Scan# 330
 Delta R.T. -0.05 min
 Lab File: VU028941.D
 Acq: 24 Dec 2018 12:42

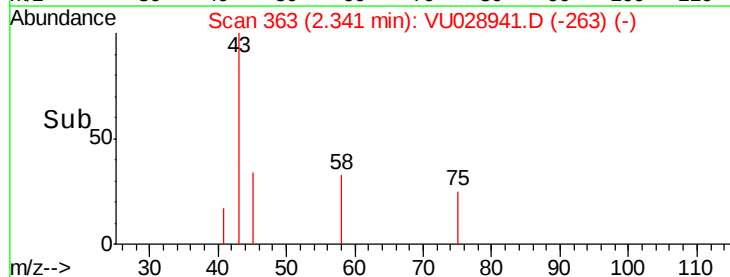
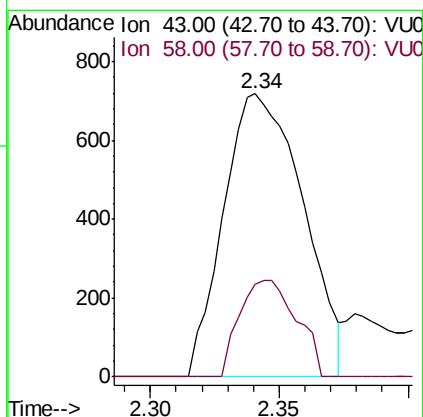
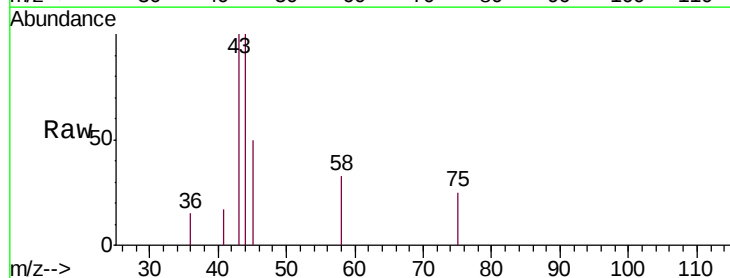
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F75

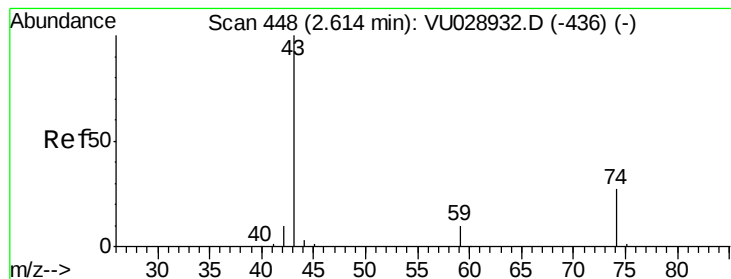
Tgt Ion: 96 Resp: 1140
 Ion Ratio Lower Upper
 96 100
 61 1213.1 119.3 221.5#
 63 11716.6 107.4 199.6#



#13
 Acetone
 Concen: 1.210 ug/L
 RT: 2.34 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VU028941.D
 Acq: 24 Dec 2018 12:42

Tgt Ion: 43 Resp: 1539
 Ion Ratio Lower Upper
 43 100
 58 24.6 0.0 70.2





#15

Methyl Acetate

Concen: 1.308 ug/L

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

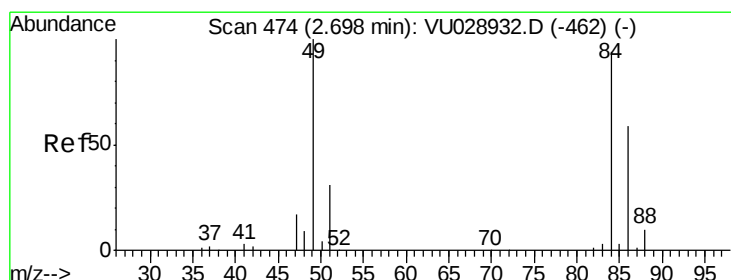
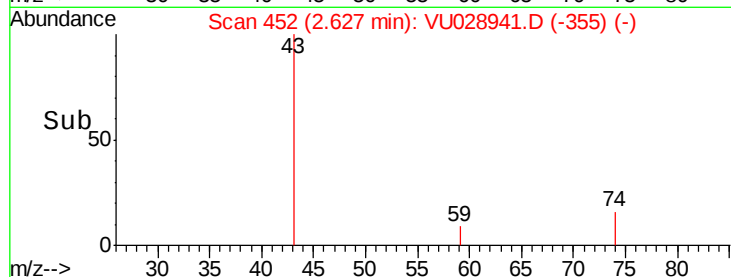
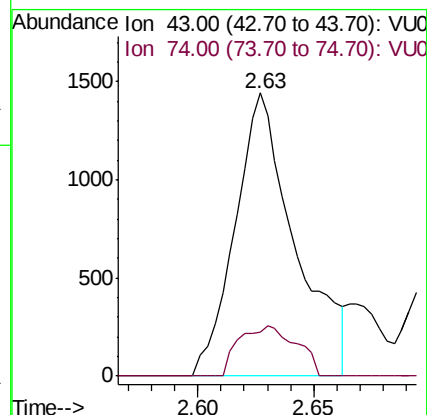
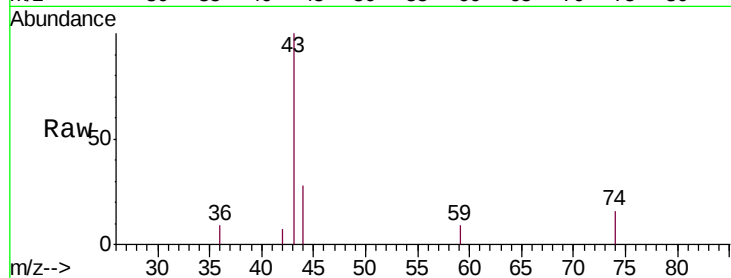
F9F75

Tgt Ion: 43 Resp: 2592

Ion Ratio Lower Upper

43 100

74 11.5 19.0 28.4#



#16

Methylene chloride

Concen: 0.951 ug/L

RT: 2.68 min Scan# 469

Delta R.T. -0.02 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

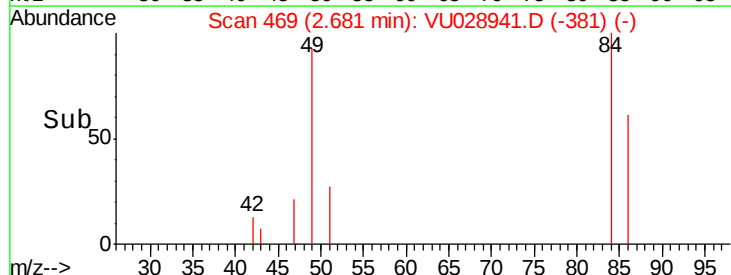
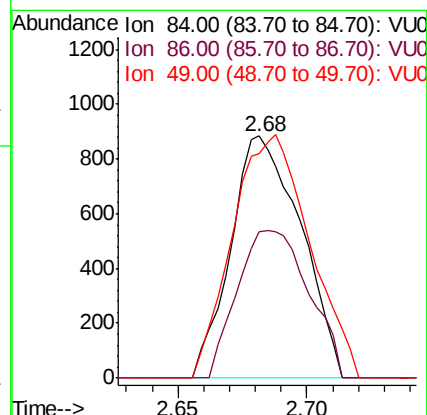
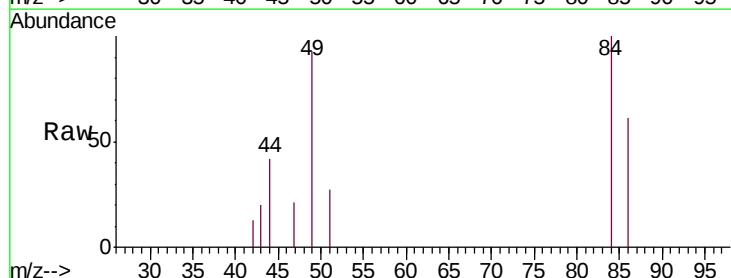
Tgt Ion: 84 Resp: 1671

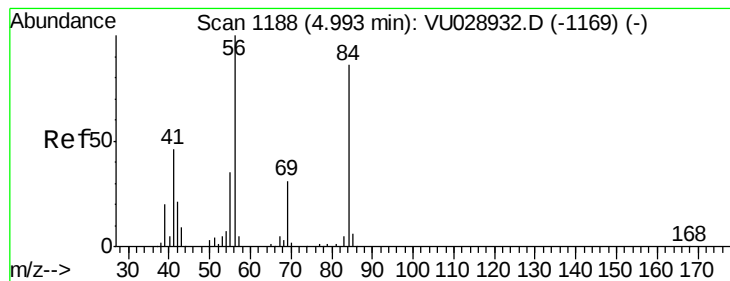
Ion Ratio Lower Upper

84 100

86 60.6 44.9 83.3

49 93.0 83.9 155.7





#29

Cyclohexane

Concen: 0.550 ug/L

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

F9F75

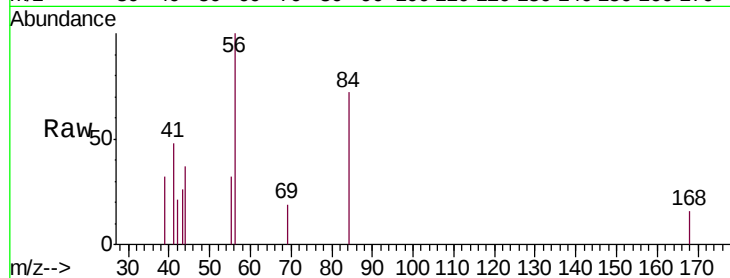
Tgt Ion: 56 Resp: 1588

Ion Ratio Lower Upper

56 100

69 7.1 23.8 35.8#

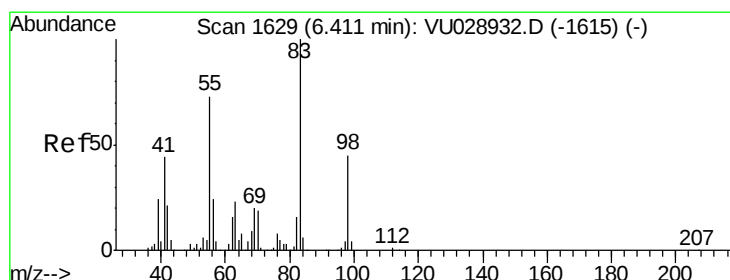
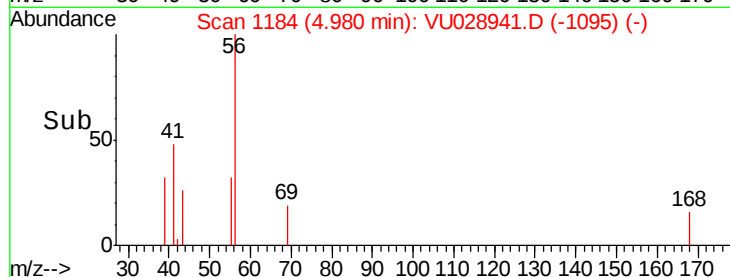
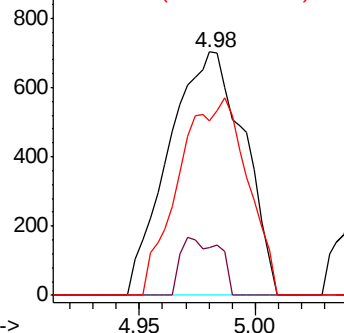
84 37.5 63.8 95.8#



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



#35

Methylcyclohexane

Concen: 2.224 ug/L

RT: 6.41 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

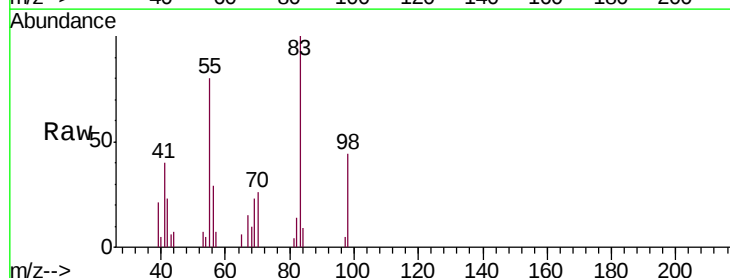
Tgt Ion: 83 Resp: 6172

Ion Ratio Lower Upper

83 100

55 102.4 63.7 95.5#

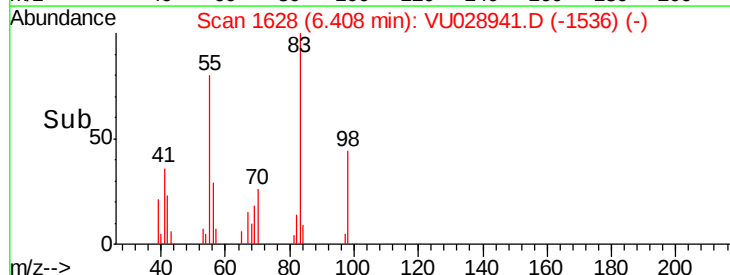
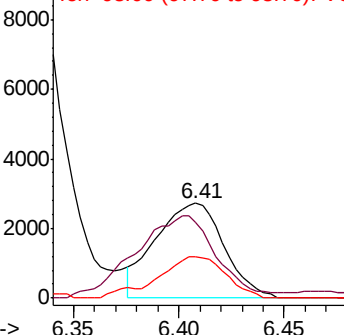
98 39.5 35.6 53.4

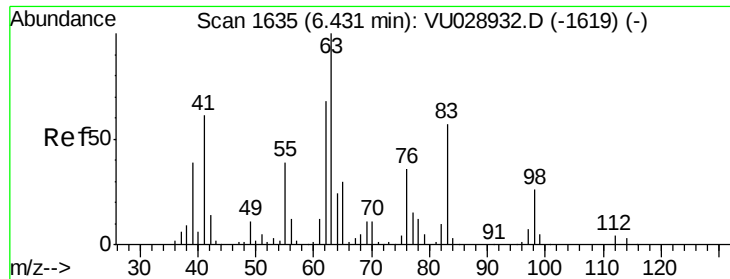


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

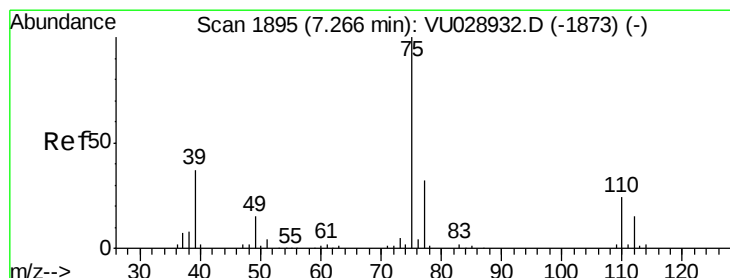
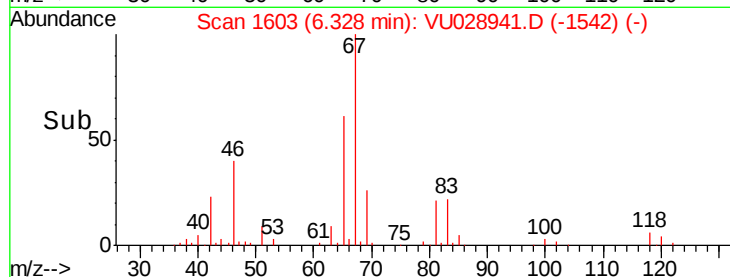
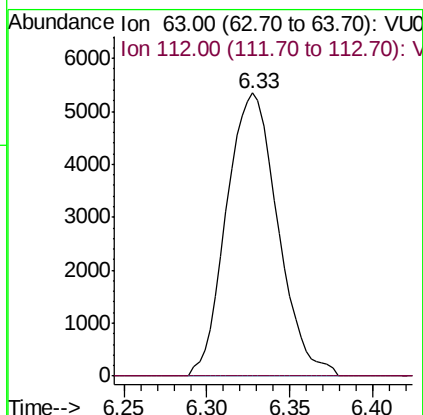
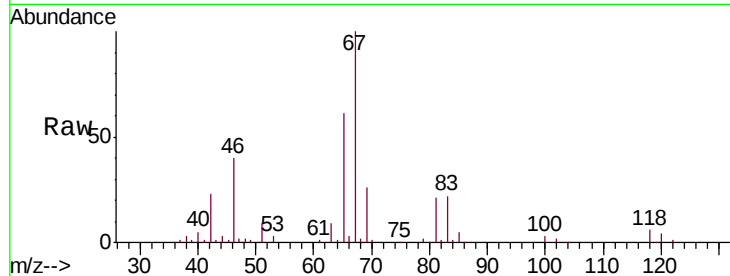




#37
 1,2-Dichloropropane
 Concen: 5.968 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028941.D
 Acq: 24 Dec 2018 12:42

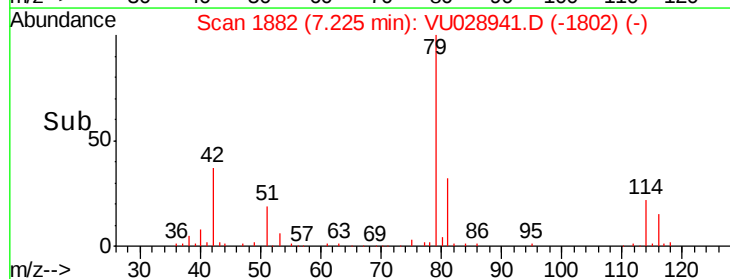
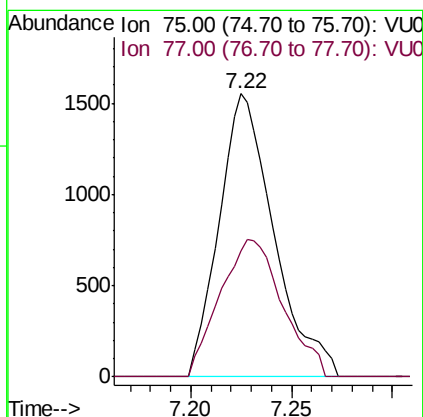
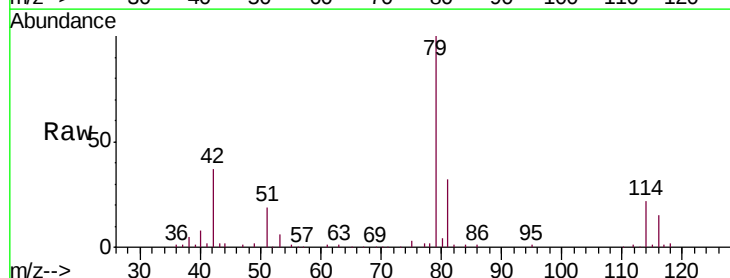
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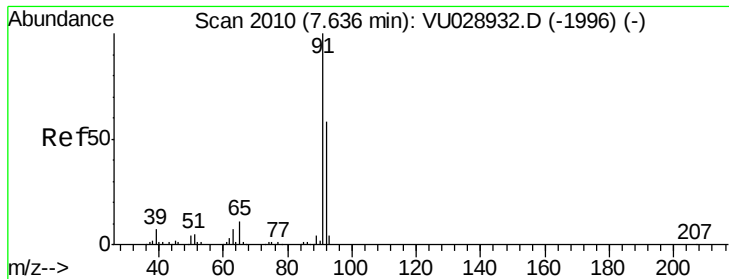
Tgt Ion: 63 Resp: 11514
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 1.066 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028941.D
 Acq: 24 Dec 2018 12:42

Tgt Ion: 75 Resp: 2932
 Ion Ratio Lower Upper
 75 100
 77 44.7 21.8 40.6#





#42

Toluene

Concen: 0.374 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

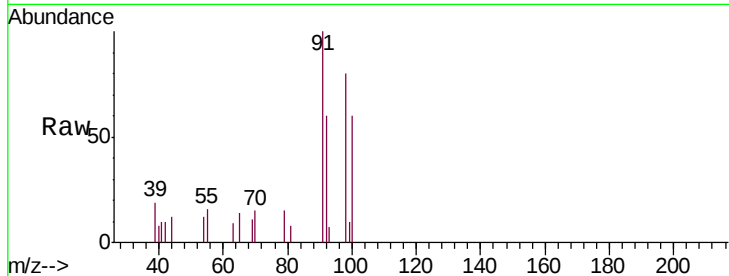
F9F75

Tgt Ion: 91 Resp: 2614

Ion Ratio Lower Upper

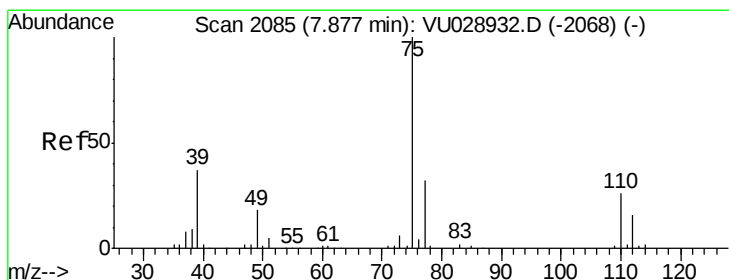
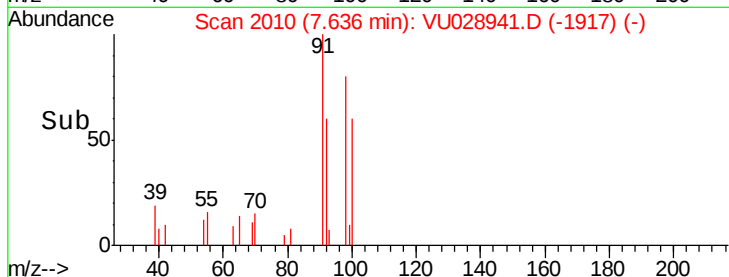
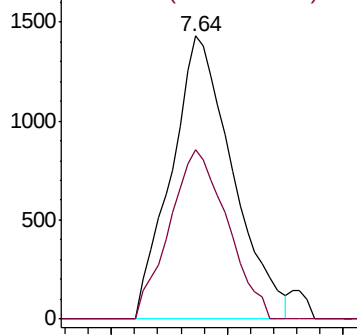
91 100

92 59.8 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.772 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU028941.D

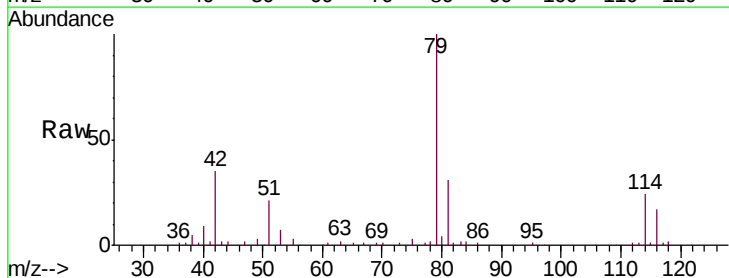
Acq: 24 Dec 2018 12:42

Tgt Ion: 75 Resp: 1893

Ion Ratio Lower Upper

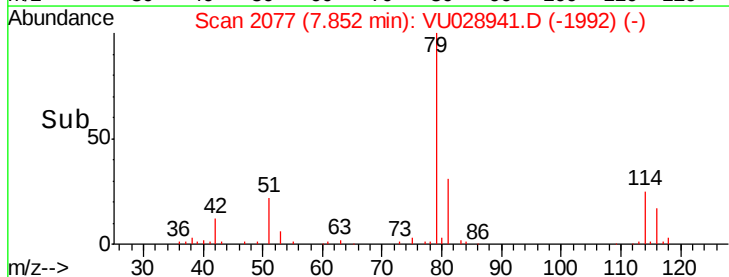
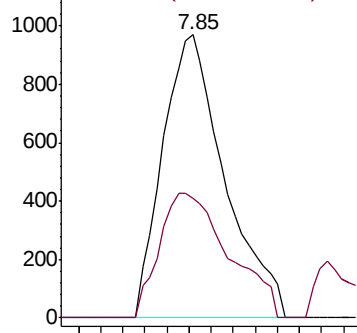
75 100

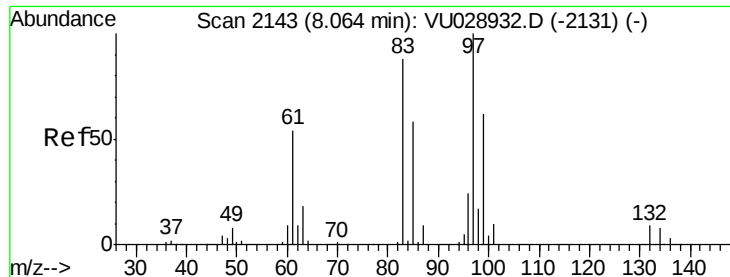
77 42.3 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

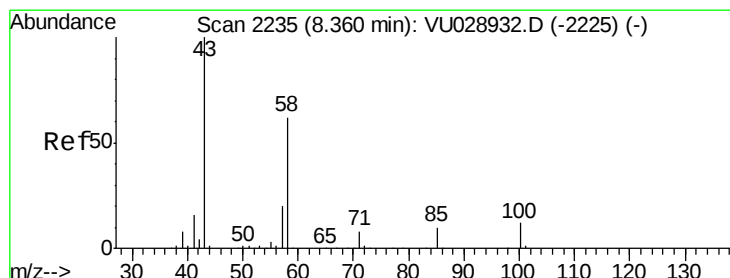
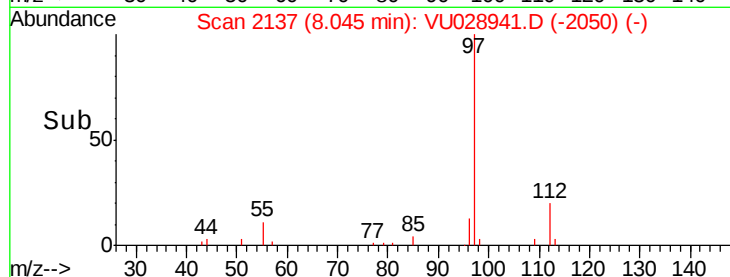
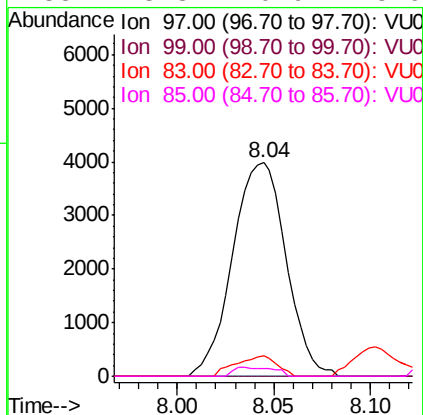
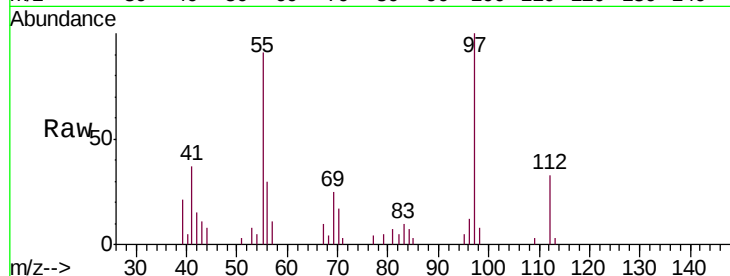




#45
 1,1,2-Trichloroethane
 Concen: 4.647 ug/L
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028941.D
 Acq: 24 Dec 2018 12:42

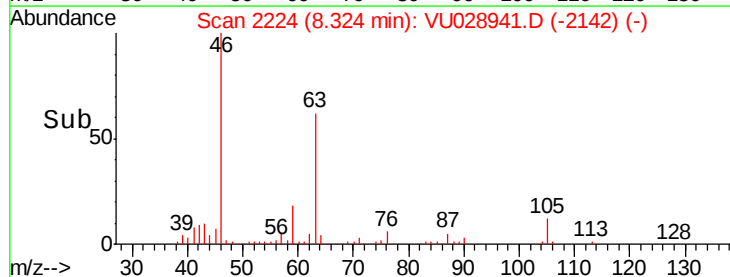
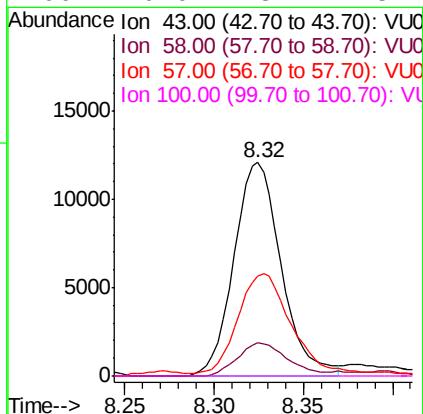
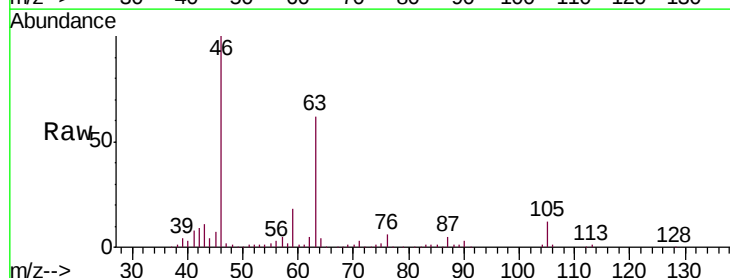
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F75

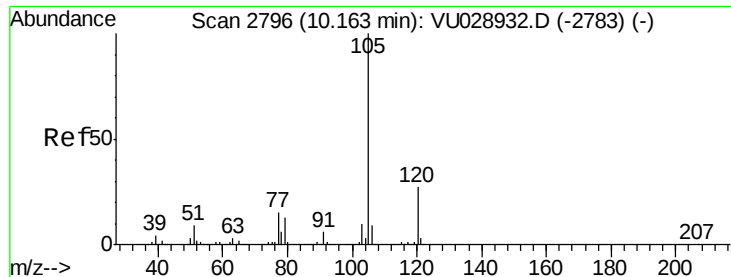
Tgt Ion:	97	Resp:	7666
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.2	82.2#
83	9.7	64.5	119.9#
85	3.3	40.9	75.9#



#48
 2-Hexanone
 Concen: 10.509 ug/L
 RT: 8.32 min Scan# 2224
 Delta R.T. -0.04 min
 Lab File: VU028941.D
 Acq: 24 Dec 2018 12:42

Tgt Ion:	43	Resp:	22368
Ion	Ratio	Lower	Upper
43	100		
58	16.5	45.9	68.9#
57	51.2	15.0	22.4#
100	0.0	8.7	13.1#





#56

Isopropylbenzene

Concen: 0.979 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

F9F75

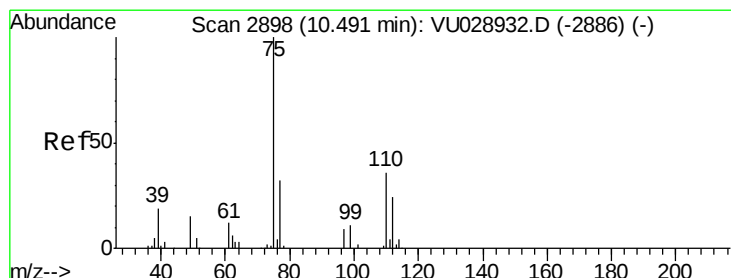
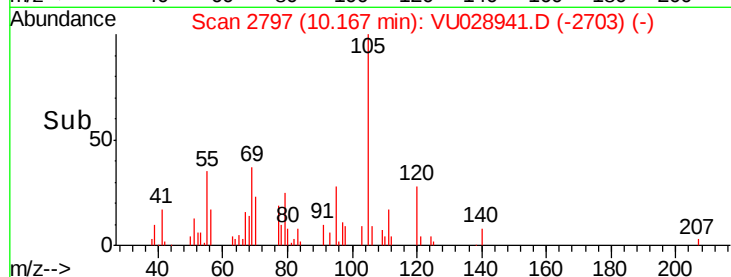
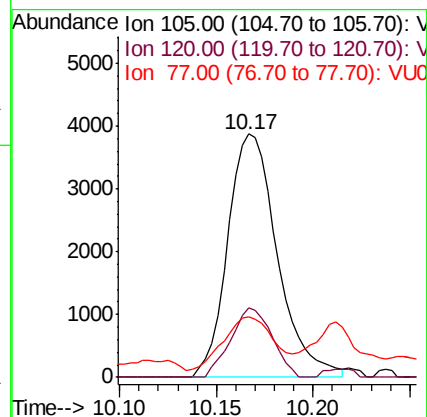
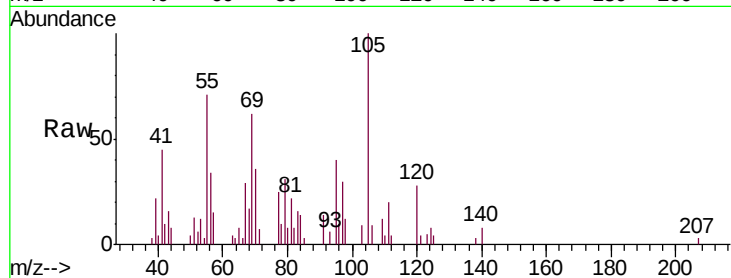
Tgt Ion:105 Resp: 6919

Ion Ratio Lower Upper

105 100

120 23.6 21.4 32.2

77 21.7 12.3 18.5#



#59

1,2,3-Trichloropropane

Concen: 5.578 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028941.D

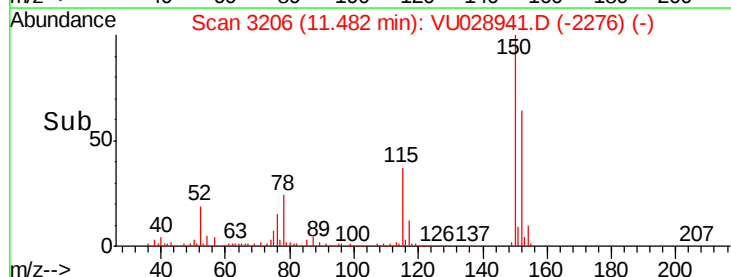
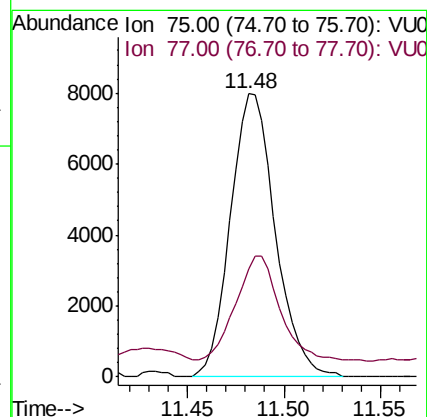
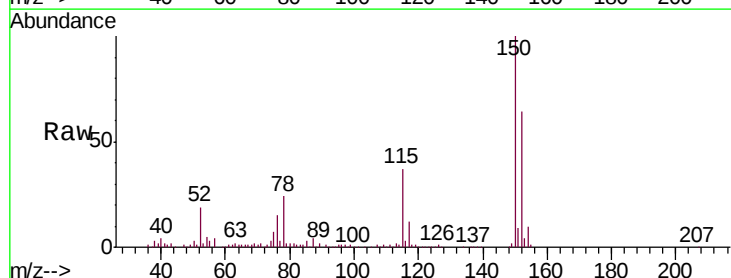
Acq: 24 Dec 2018 12:42

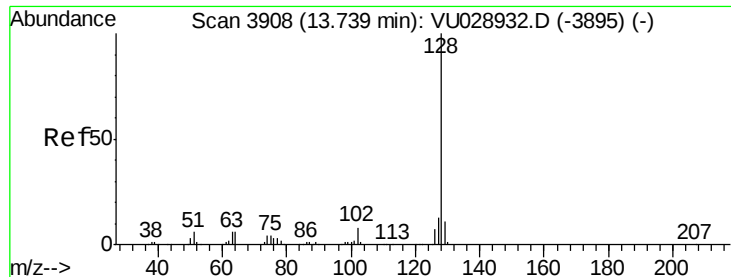
Tgt Ion: 75 Resp: 12844

Ion Ratio Lower Upper

75 100

77 35.5 25.5 38.3





#69

Naphthalene

Concen: 0.475 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028941.D

Acq: 24 Dec 2018 12:42

Instrument :

MSVOA_U

ClientSampleId :

F9F75

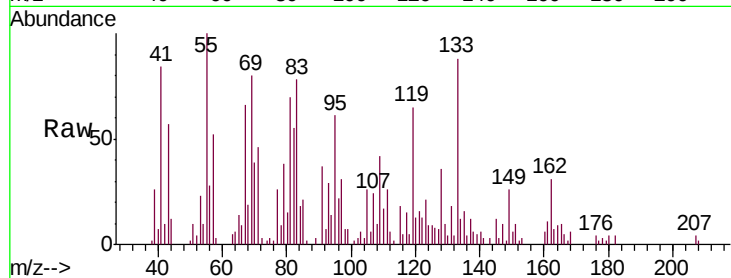
Tgt Ion:128 Resp: 3707

Ion Ratio Lower Upper

128 100

127 5.8 10.5 15.7#

129 2.9 8.7 13.1#



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

