

Data File : VU028946.D
Acq On : 24 Dec 2018 14:42
Operator : MD/SY
Sample : J6489-08
Misc : 5.85g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9F76

Quant Time: Dec 25 00:08:07 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	253068	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	250836	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	136444	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61125	30.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.26%
7) Chloroethane-d5	1.69	69	80	0.05	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.10%#
11) 1,1-Dichloroethene-d2	2.23	63	100368	29.42	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.84%#
21) 2-Butanone-d5	4.19	46	119901	84.35	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.35%
24) Chloroform-d	4.64	84	132512	41.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.08%
26) 1,2-Dichloroethane-d4	5.30	65	83326	42.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.74%
32) Benzene-d6	5.33	84	289763	40.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.78%
36) 1,2-Dichloropropane-d6	6.33	67	97451	40.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.96%
41) Toluene-d8	7.56	98	293629	45.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.44%
43) trans-1,3-Dichloropropene-	7.85	79	49410	45.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.60%
47) 2-Hexanone-d5	8.32	63	116061	101.51	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.51%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	159754	47.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	128703	46.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.28%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	4022	1.433 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	964	0.588 ug/L #	20
13) Acetone	2.35	43	3730	2.575 ug/L	97
15) Methyl Acetate	2.63	43	5636	2.496 ug/L	91
16) Methylene chloride	2.68	84	1302	0.651 ug/L	95
27) 1,2-Dichloroethane	5.33	62	1261	0.522 ug/L #	74
29) Cyclohexane	4.97	56	34584	10.359 ug/L	91
35) Methylcyclohexane	6.40	83	180524	56.220 ug/L	96
38) Bromodichloromethane	6.73	83	2586	1.046 ug/L #	61
39) cis-1,3-Dichloropropene	7.22	75	2467	0.775 ug/L #	13
42) Toluene	7.64	91	6074	0.750 ug/L	94
44) trans-1,3-Dichloropropene	7.85	75	1723	0.607 ug/L #	1
45) 1,1,2-Trichloroethane	8.04	97	52362	27.434 ug/L #	17
52) Ethylbenzene	9.25	91	9118	1.048 ug/L	96
53) m,p-Xylene	9.38	106	31981	9.943 ug/L	92
54) o-xylene	9.78	106	29054	9.013 ug/L	98
56) Isopropylbenzene	10.17	105	69185	8.460 ug/L #	91

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

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Quant Title : VOC Analysis
QLast Update : Tue Dec 25 00:02:36 2018
Response via : Initial Calibration

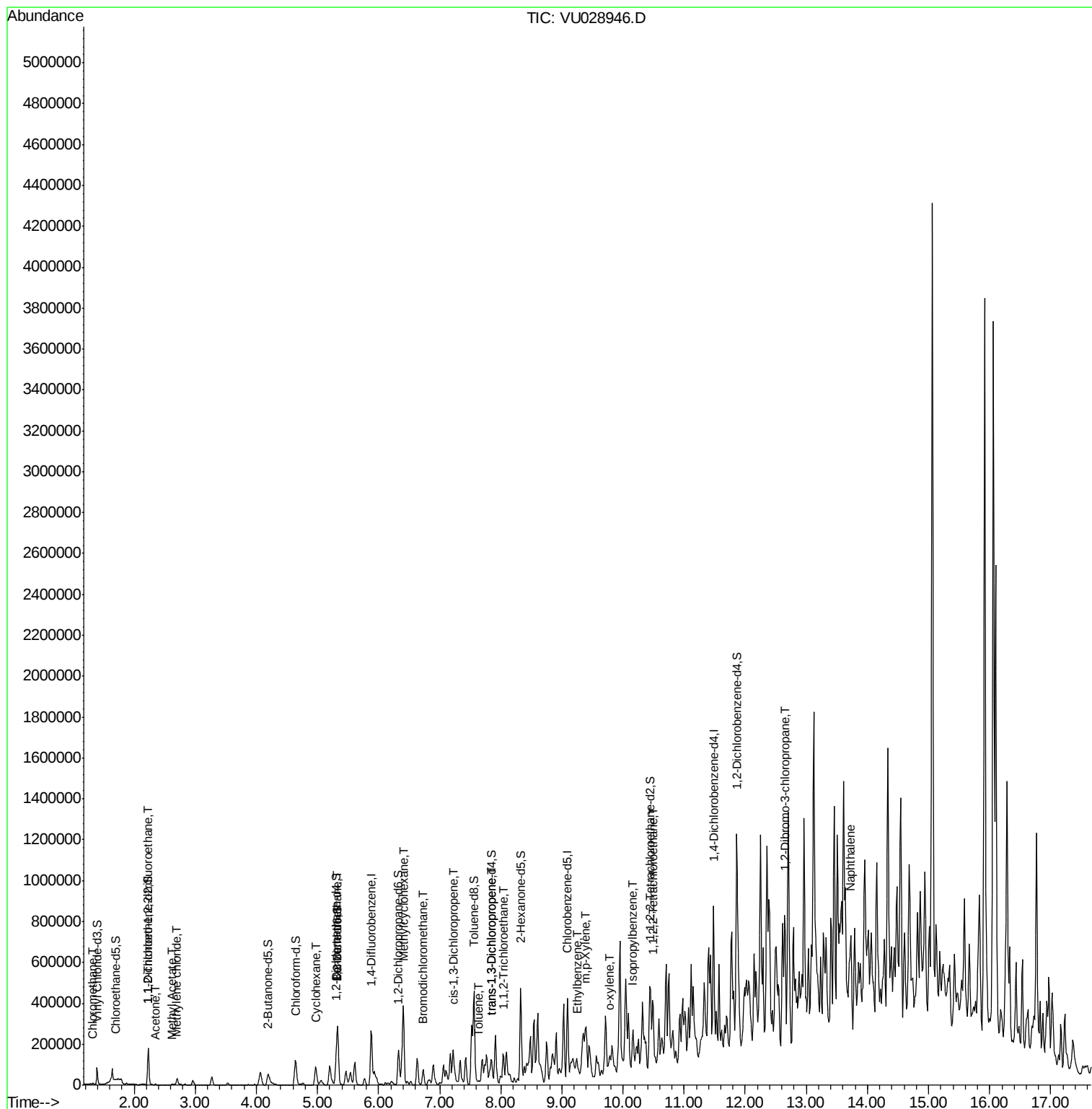
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 1,1,2,2-Tetrachloroethane	10.49	83	34631	9.988	ug/L #	33
66) 1,2-Dibromo-3-chloropropan	12.65	75	1786	2.290	ug/L #	6
69) Naphthalene	13.74	128	39731	4.276	ug/L #	34

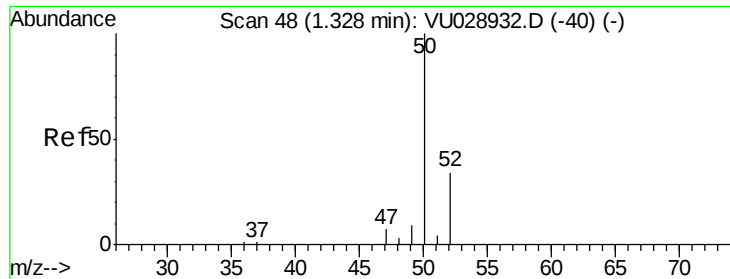
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#3

Chloromethane

Concen: 1.433 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

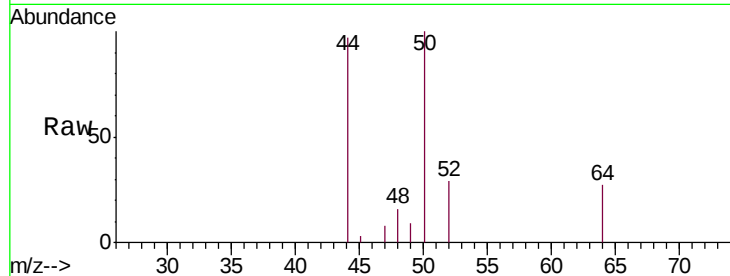
F9F76

Tgt Ion: 50 Resp: 4022

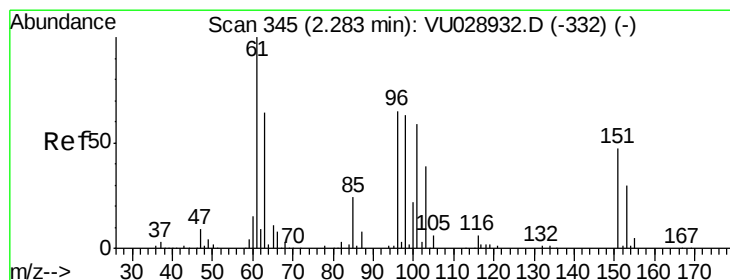
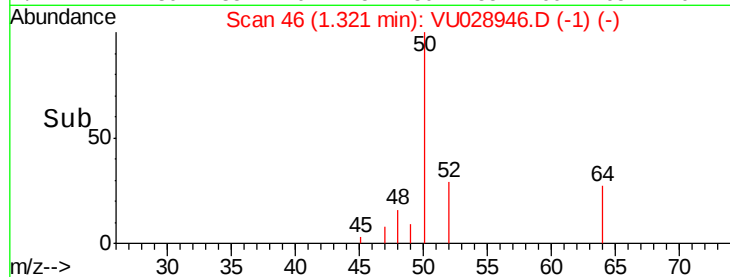
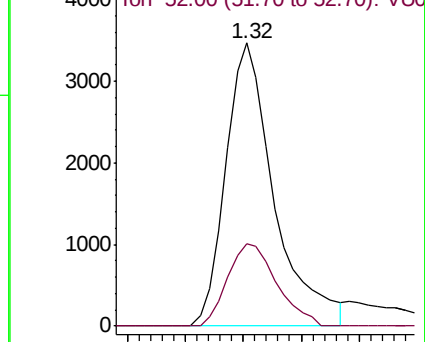
Ion Ratio Lower Upper

50 100

52 29.1 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU028946.D (-1) (-)



#10

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

Concen: 0.588 ug/L

RT: 2.23 min Scan# 329

Delta R.T. -0.05 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

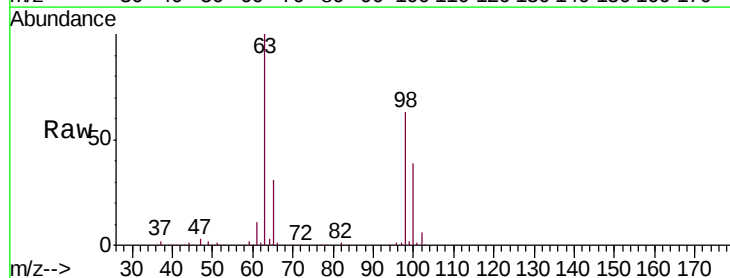
Tgt Ion: 101 Resp: 964

Ion Ratio Lower Upper

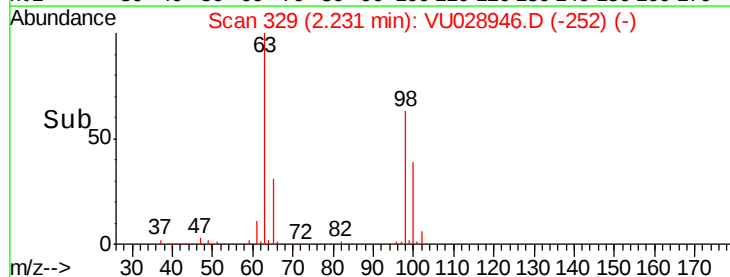
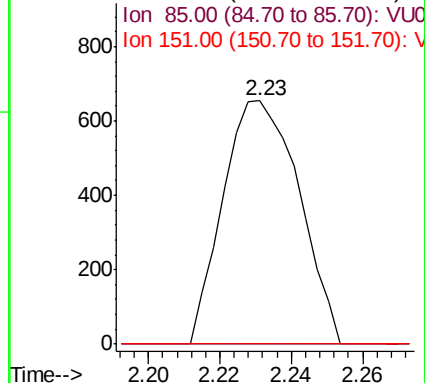
101 100

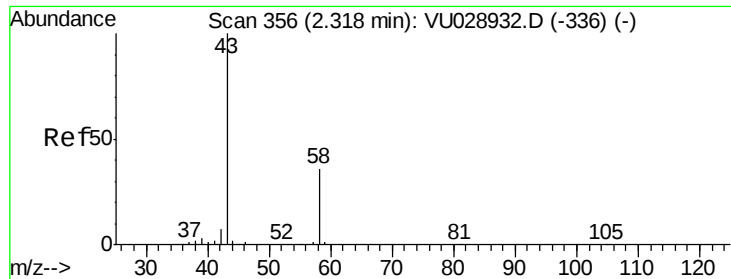
85 0.0 33.8 50.6#

151 0.0 59.4 89.0#



Abundance Ion 101.00 (100.70 to 101.70): VU028946.D (-252) (-)





#13

Acetone

Concen: 2.575 ug/L

RT: 2.35 min Scan# 365

Delta R.T. 0.03 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

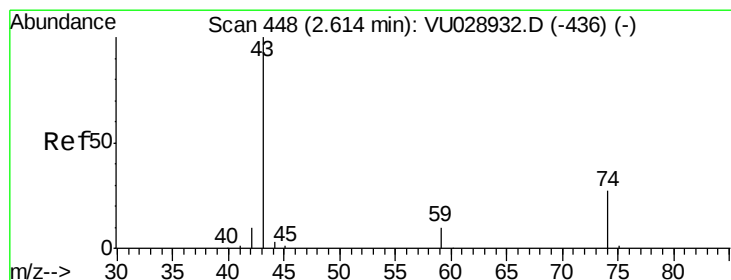
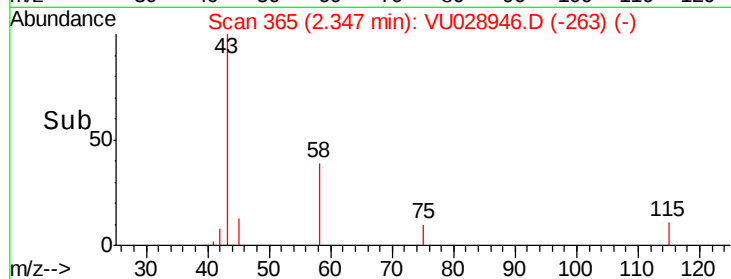
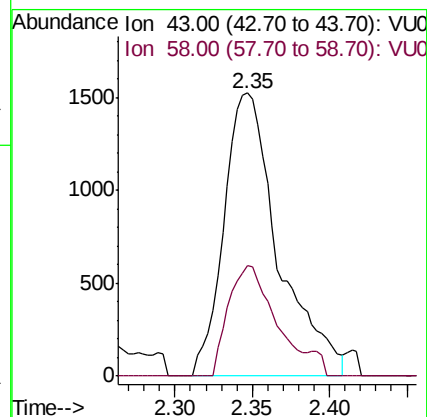
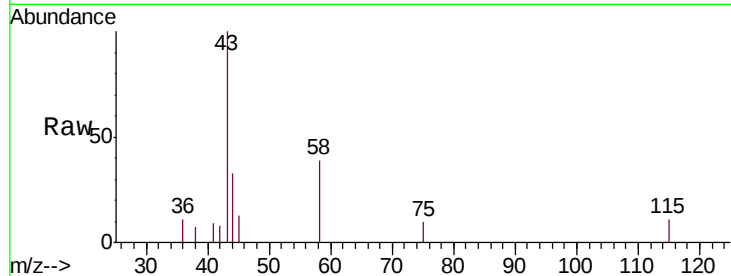
F9F76

Tgt Ion: 43 Resp: 3730

Ion Ratio Lower Upper

43 100

58 33.5 0.0 70.2



#15

Methyl Acetate

Concen: 2.496 ug/L

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU028946.D

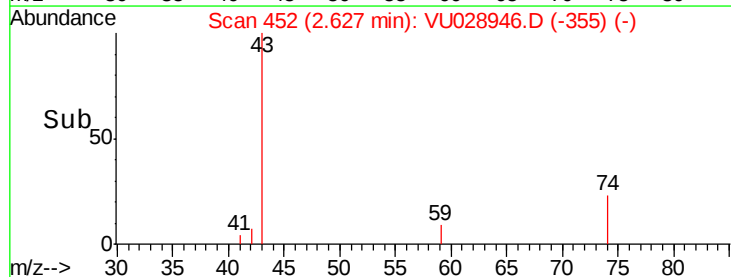
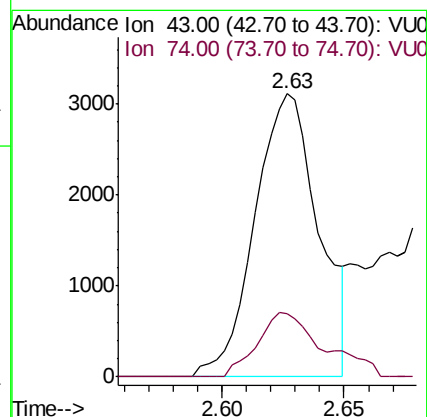
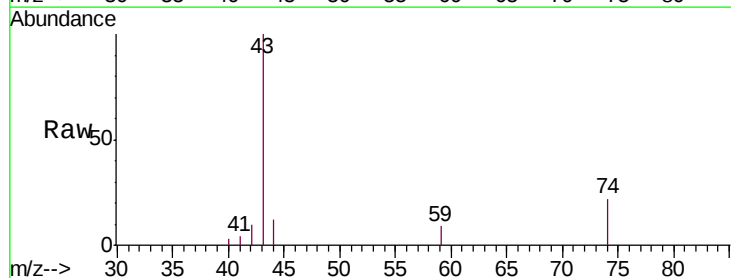
Acq: 24 Dec 2018 14:42

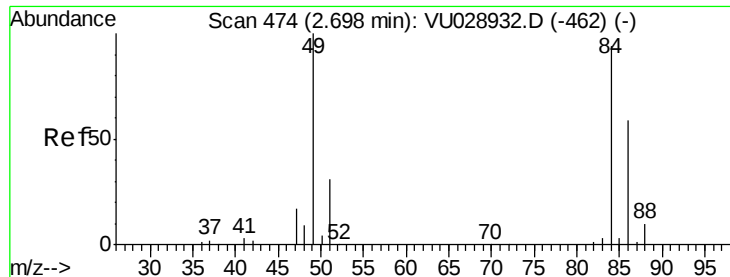
Tgt Ion: 43 Resp: 5636

Ion Ratio Lower Upper

43 100

74 19.0 19.0 28.4

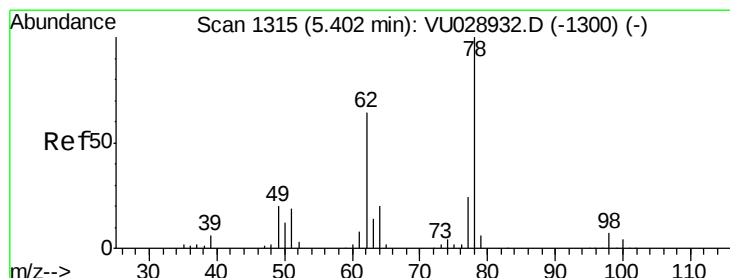
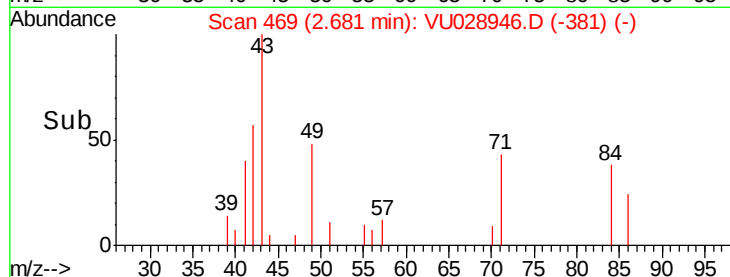
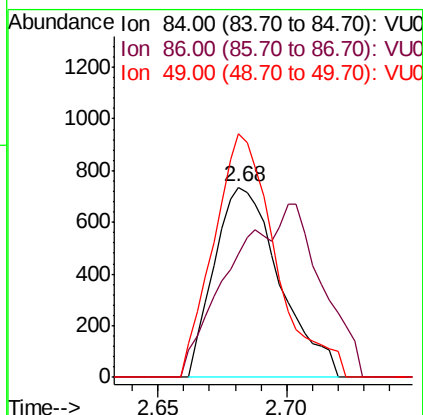
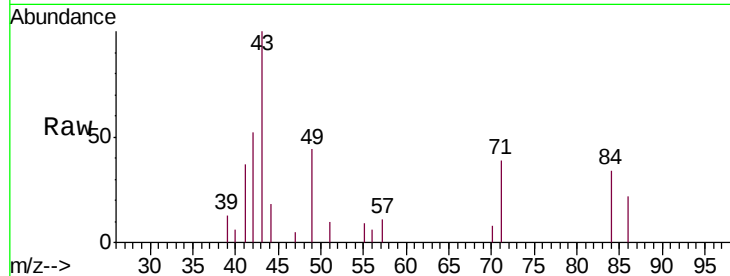




#16
Methylene chloride
Concen: 0.651 ug/L
RT: 2.68 min Scan# 469
Delta R.T. -0.02 min
Lab File: VU028946.D
Acq: 24 Dec 2018 14:42

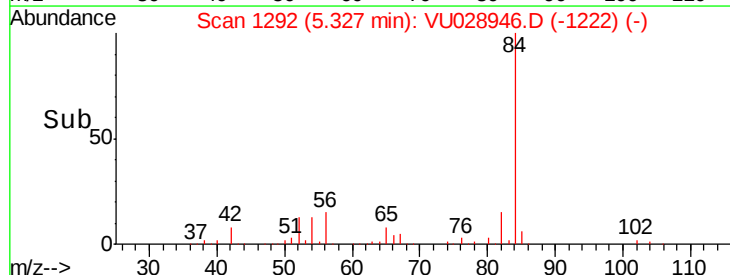
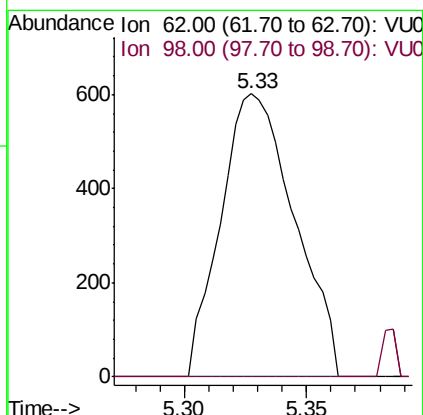
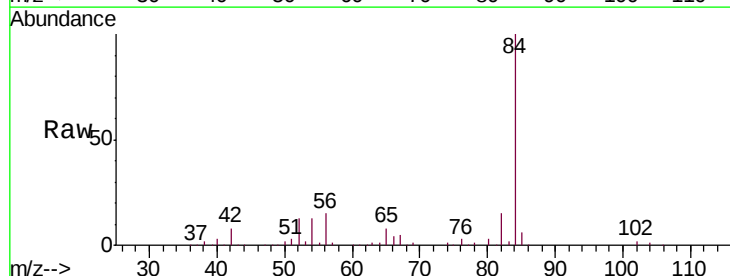
Instrument :
MSVOA_U
ClientSampleId :
F9F76

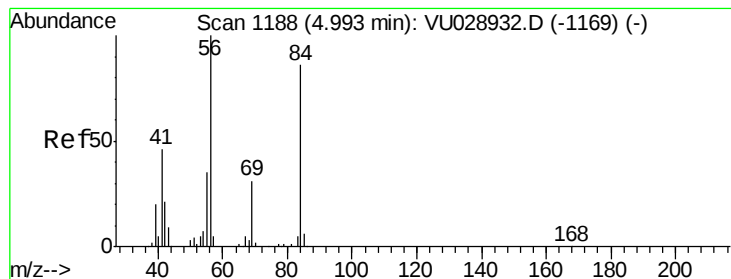
Tgt Ion: 84 Resp: 1302
Ion Ratio Lower Upper
84 100
86 64.8 44.9 83.3
49 128.2 83.9 155.7



#27
1,2-Dichloroethane
Concen: 0.522 ug/L
RT: 5.33 min Scan# 1292
Delta R.T. -0.07 min
Lab File: VU028946.D
Acq: 24 Dec 2018 14:42

Tgt Ion: 62 Resp: 1261
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#





#29

Cyclohexane

Concen: 10.359 ug/L

RT: 4.97 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

F9F76

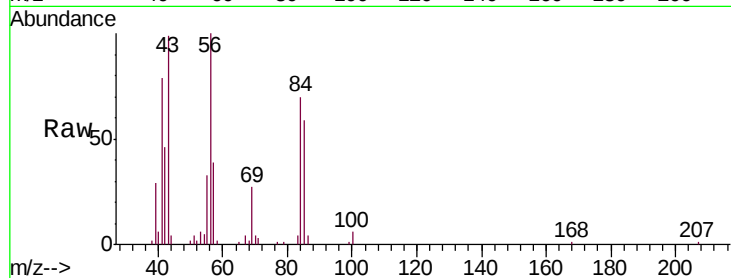
Tgt Ion: 56 Resp: 34584

Ion Ratio Lower Upper

56 100

69 25.7 23.8 35.8

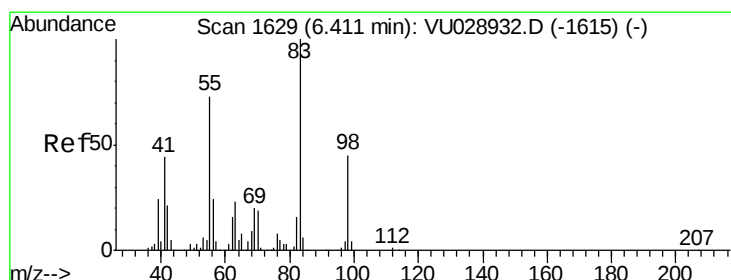
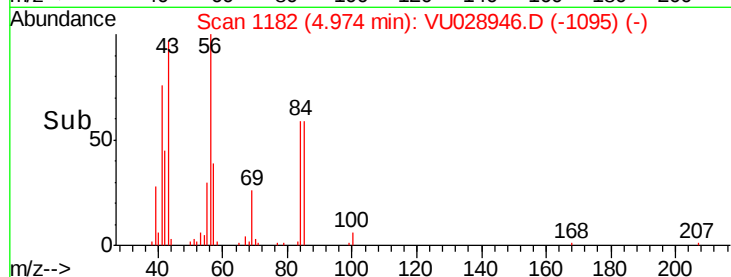
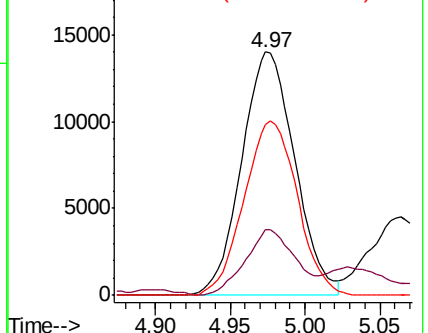
84 71.8 63.8 95.8



Abundance Ion 56.00 (55.70 to 56.70): VU028932.D (-1169) (-)

Ion 69.00 (68.70 to 69.70): VU028932.D (-1169) (-)

Ion 84.00 (83.70 to 84.70): VU028932.D (-1169) (-)



#35

Methylcyclohexane

Concen: 56.220 ug/L

RT: 6.40 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

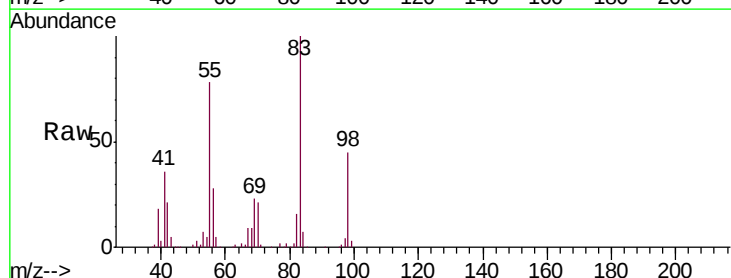
Tgt Ion: 83 Resp: 180524

Ion Ratio Lower Upper

83 100

55 84.0 63.7 95.5

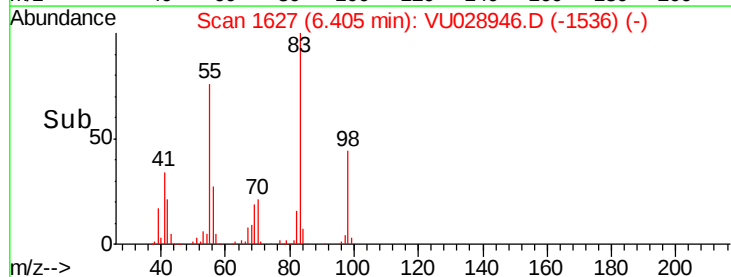
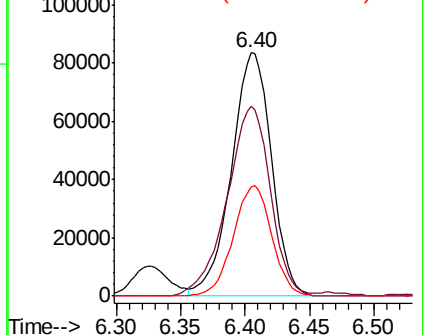
98 43.7 35.6 53.4

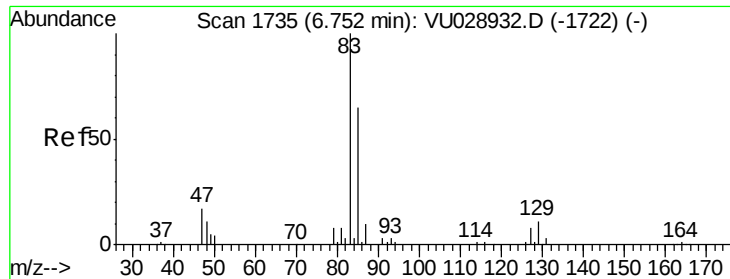


Abundance Ion 83.00 (82.70 to 83.70): VU028932.D (-1615) (-)

Ion 55.00 (54.70 to 55.70): VU028932.D (-1615) (-)

Ion 98.00 (97.70 to 98.70): VU028932.D (-1615) (-)





#38

Bromodichloromethane

Concen: 1.046 ug/L

RT: 6.73 min Scan# 1728

Delta R.T. -0.02 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

F9F76

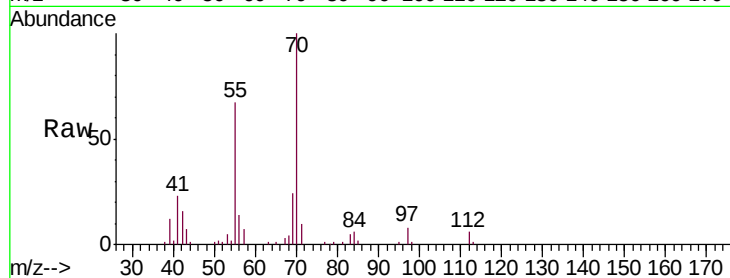
Tgt Ion: 83 Resp: 2586

Ion Ratio Lower Upper

83 100

85 32.8 45.4 84.2#

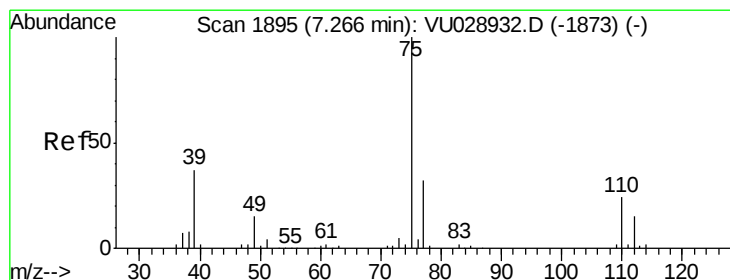
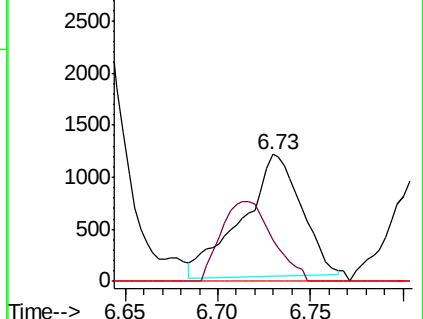
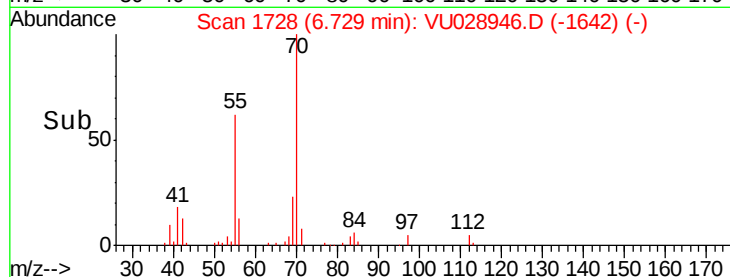
127 0.0 6.2 9.2#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.775 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.04 min

Lab File: VU028946.D

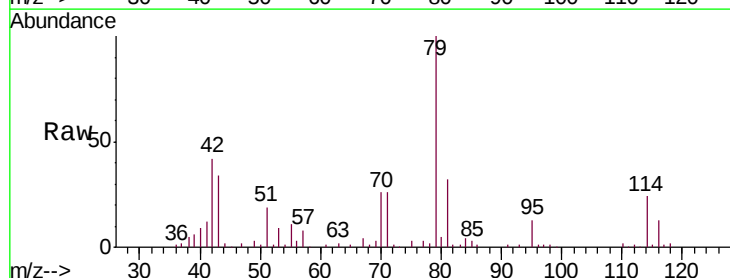
Acq: 24 Dec 2018 14:42

Tgt Ion: 75 Resp: 2467

Ion Ratio Lower Upper

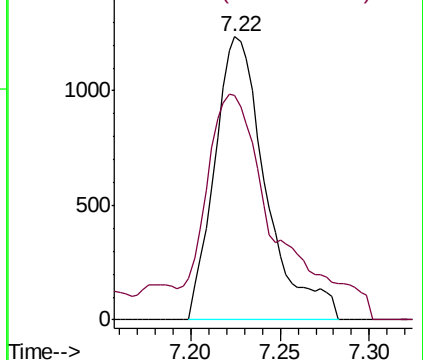
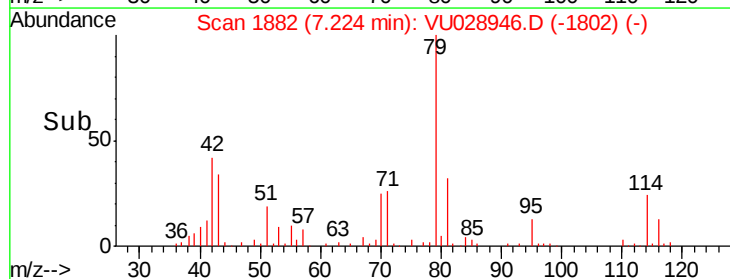
75 100

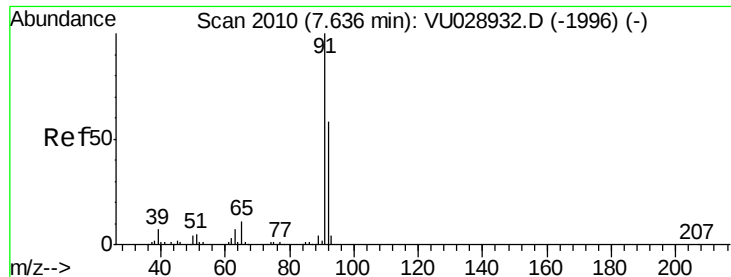
77 79.4 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 0.750 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

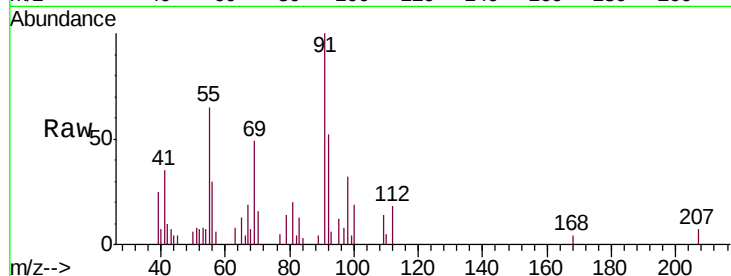
F9F76

Tgt Ion: 91 Resp: 6074

Ion Ratio Lower Upper

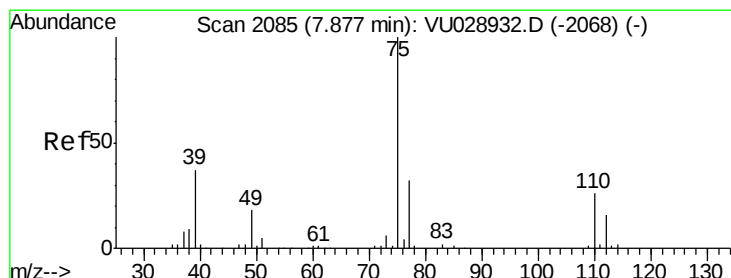
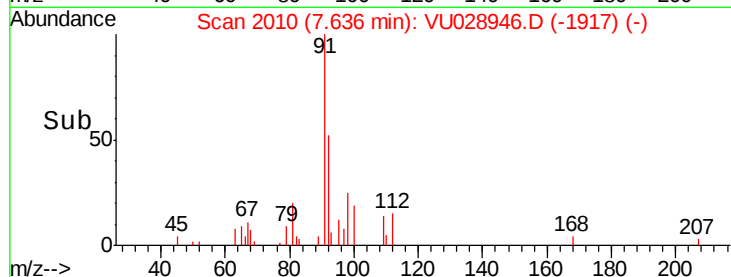
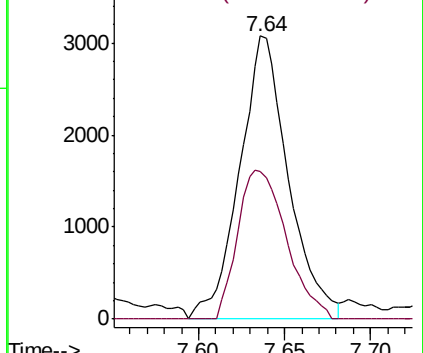
91 100

92 52.4 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU028932.D (-1996) (-)

Ion 92.00 (91.70 to 92.70): VU028932.D (-1996) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.607 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU028946.D

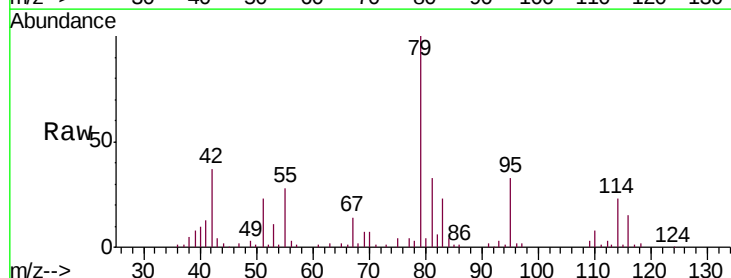
Acq: 24 Dec 2018 14:42

Tgt Ion: 75 Resp: 1723

Ion Ratio Lower Upper

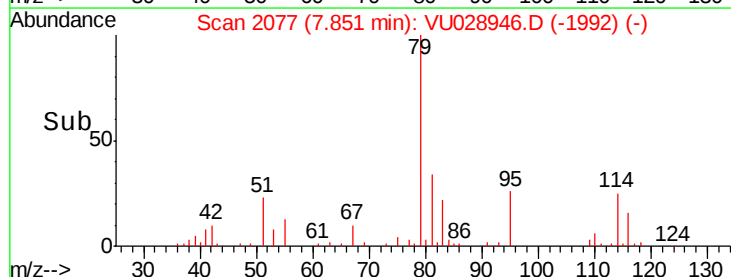
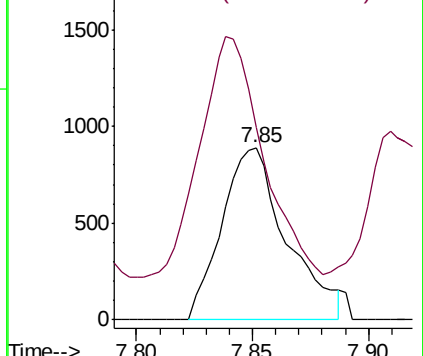
75 100

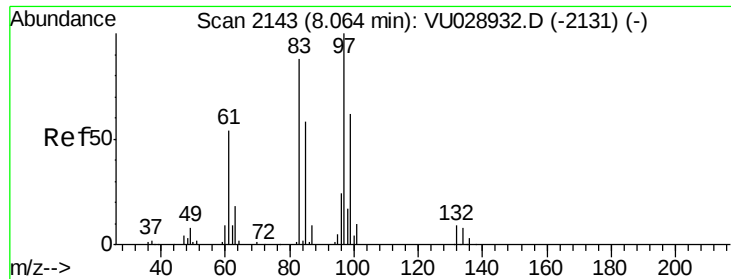
77 111.8 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU028932.D (-2068) (-)

Ion 77.00 (76.70 to 77.70): VU028932.D (-2068) (-)

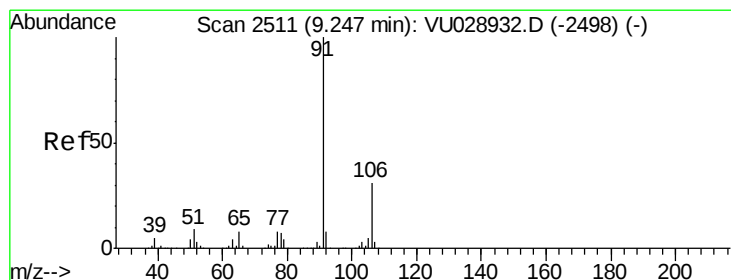
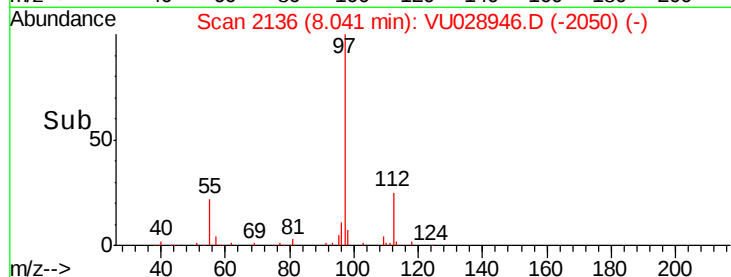
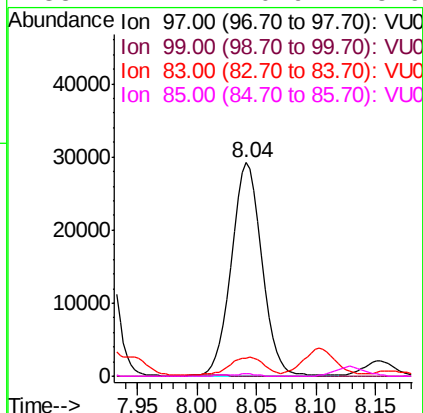
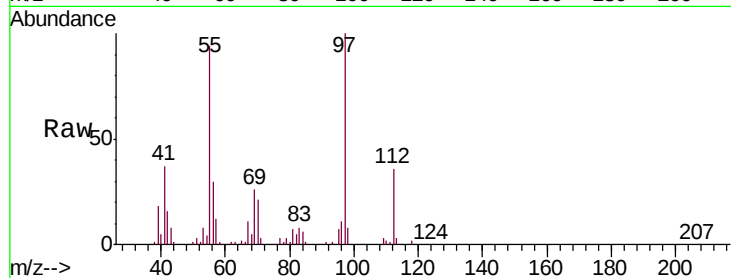




#45
1,1,2-Trichloroethane
Concen: 27.434 ug/L
RT: 8.04 min Scan# 2136
Delta R.T. -0.02 min
Lab File: VU028946.D
Acq: 24 Dec 2018 14:42

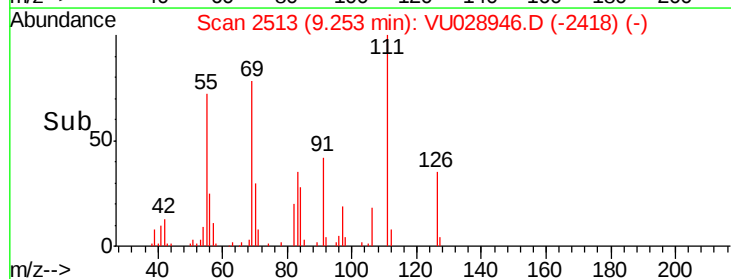
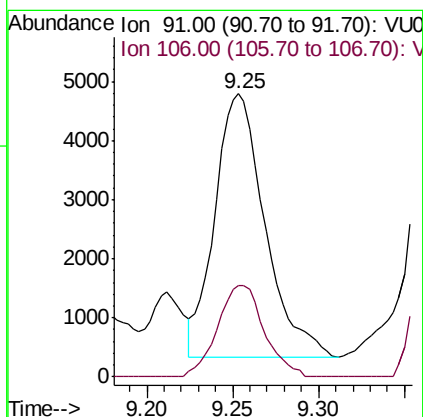
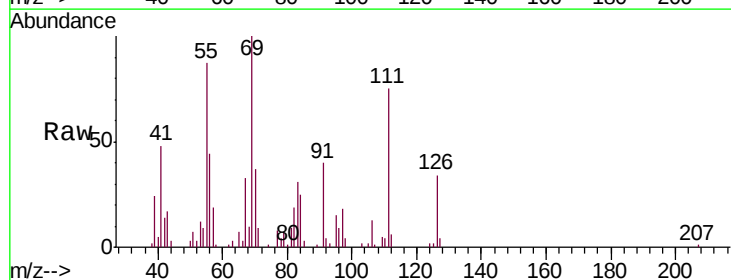
Instrument :
MSVOA_U
ClientSampleId :
F9F76

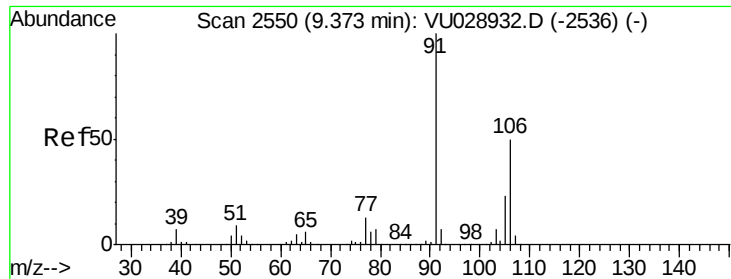
Tgt Ion: 97 Resp: 52362
Ion Ratio Lower Upper
97 100
99 0.0 44.2 82.2#
83 8.5 64.5 119.9#
85 1.1 40.9 75.9#



#52
Ethylbenzene
Concen: 1.048 ug/L
RT: 9.25 min Scan# 2513
Delta R.T. 0.01 min
Lab File: VU028946.D
Acq: 24 Dec 2018 14:42

Tgt Ion: 91 Resp: 9118
Ion Ratio Lower Upper
91 100
106 32.3 20.9 38.9





#53

m,p-Xylene

Concen: 9.943 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

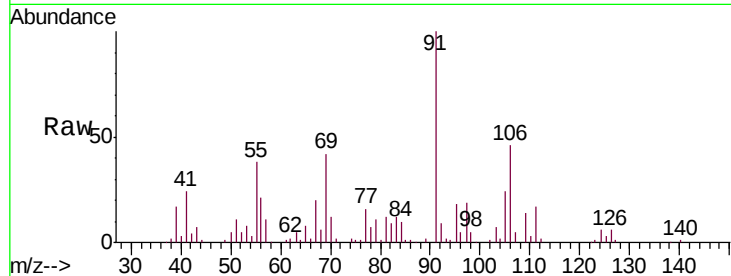
F9F76

Tgt Ion:106 Resp: 31981

Ion Ratio Lower Upper

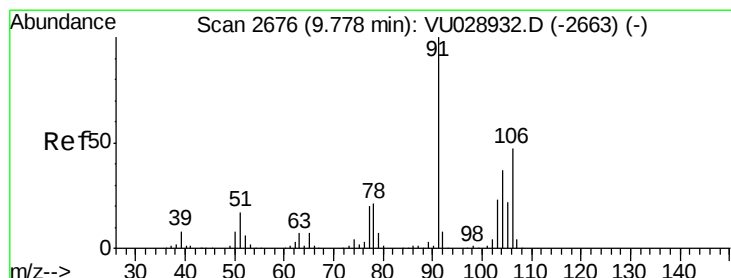
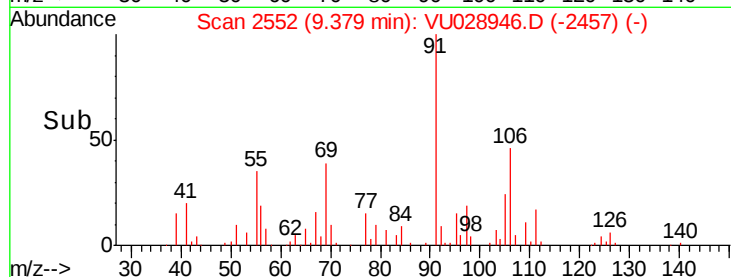
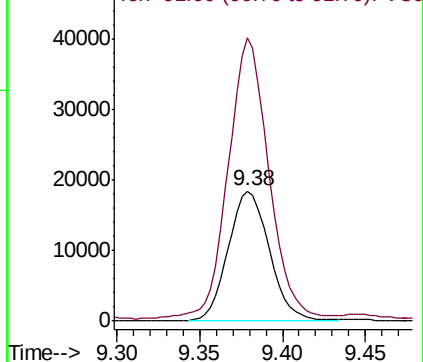
106 100

91 217.5 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 9.013 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028946.D

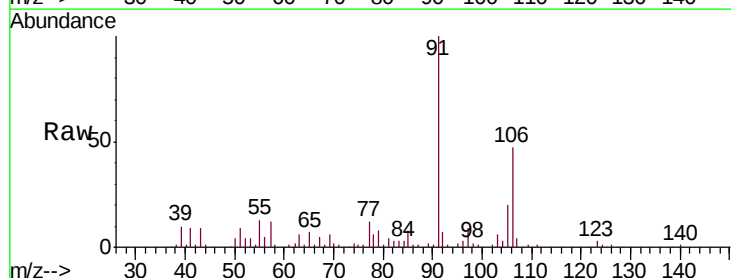
Acq: 24 Dec 2018 14:42

Tgt Ion:106 Resp: 29054

Ion Ratio Lower Upper

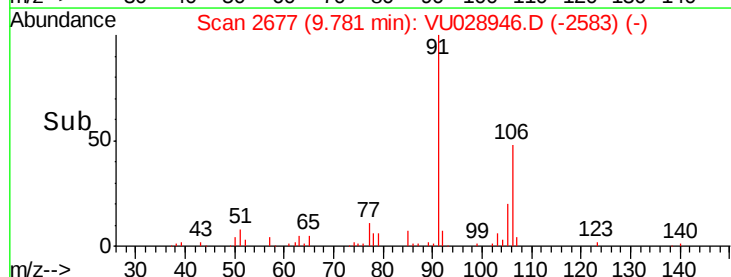
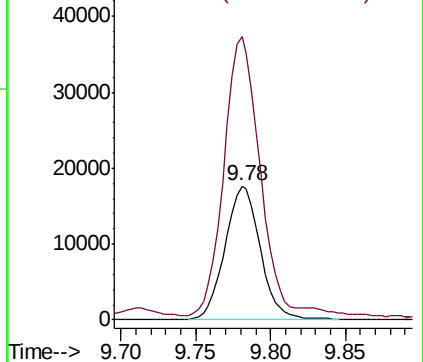
106 100

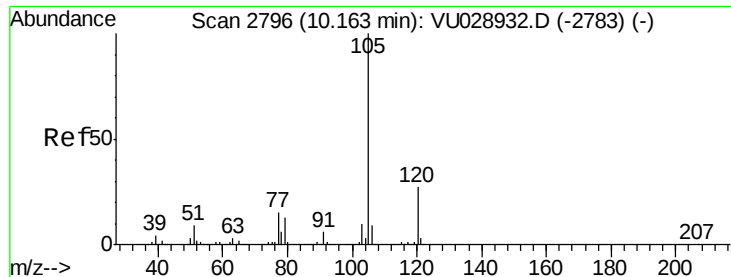
91 211.7 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 8.460 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampled :

F9F76

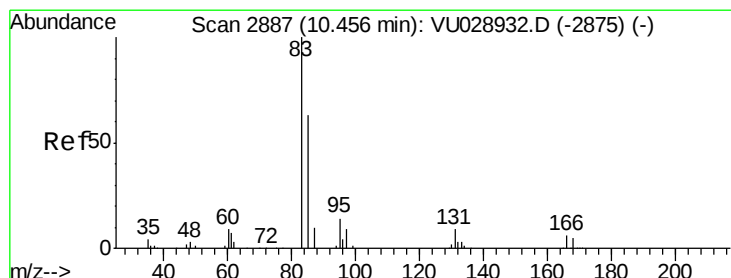
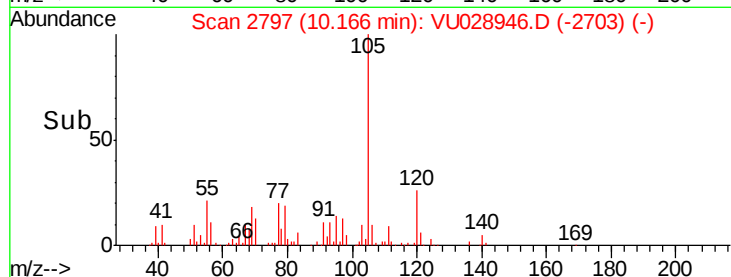
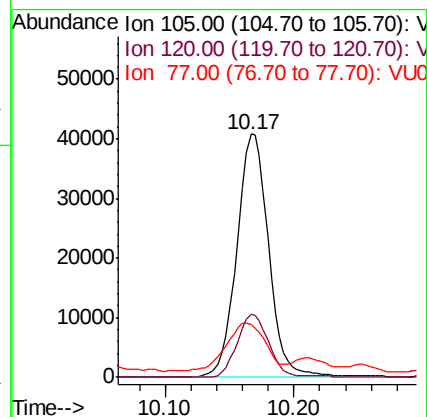
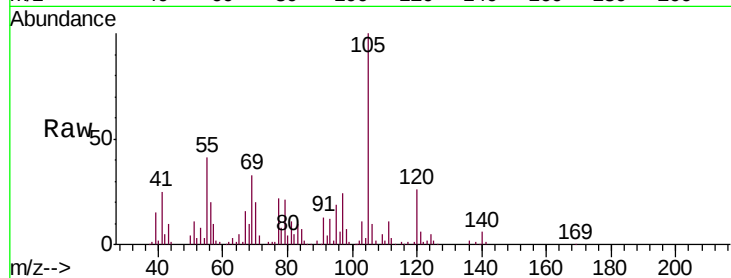
Tgt Ion:105 Resp: 69185

Ion Ratio Lower Upper

105 100

120 25.9 21.4 32.2

77 24.0 12.3 18.5#



#58

1,1,2,2-Tetrachloroethane

Concen: 9.988 ug/L

RT: 10.49 min Scan# 2897

Delta R.T. 0.03 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

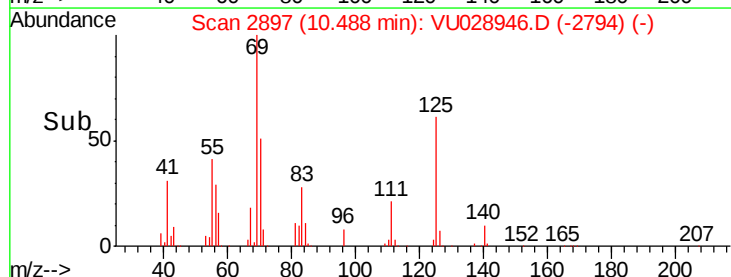
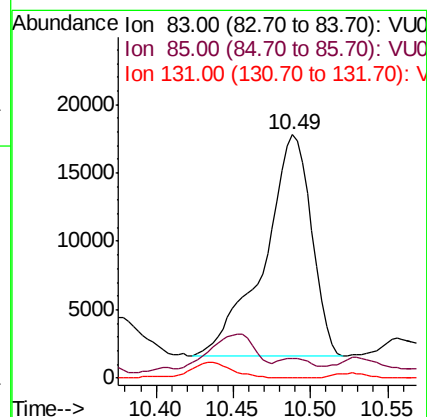
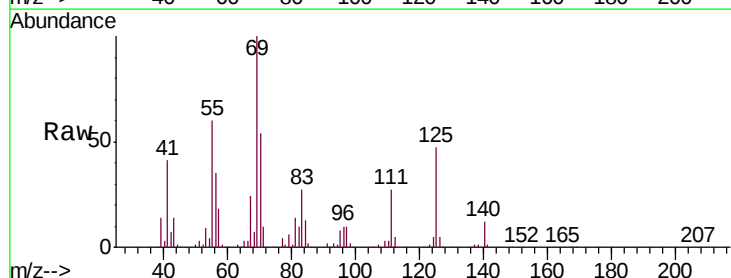
Tgt Ion: 83 Resp: 34631

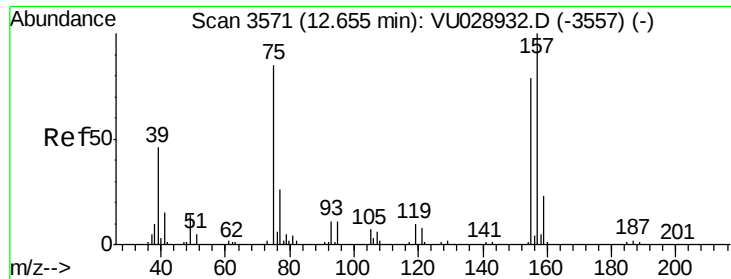
Ion Ratio Lower Upper

83 100

85 7.9 45.3 84.1#

131 0.0 6.7 10.1#





#66

1,2-Dibromo-3-chloropropane

Concen: 2.290 ug/L

RT: 12.65 min Scan# 3570

Delta R.T. -0.00 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampled :

F9F76

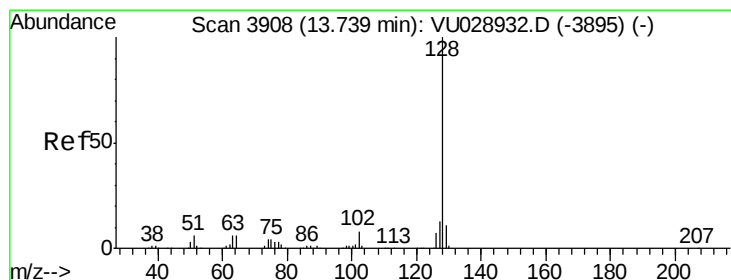
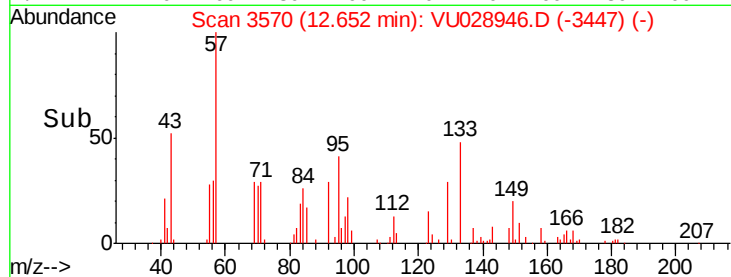
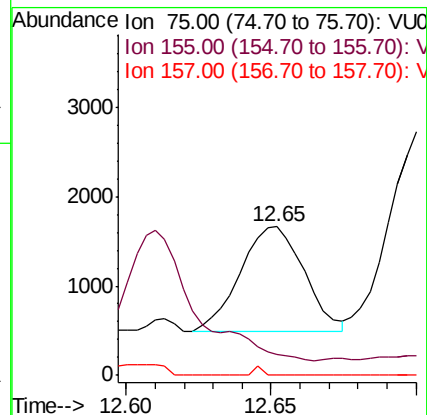
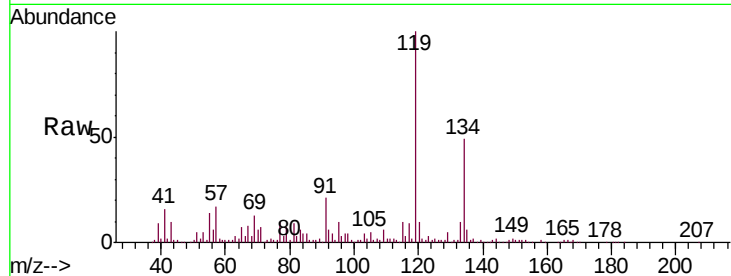
Tgt Ion: 75 Resp: 1786

Ion Ratio Lower Upper

75 100

155 13.8 71.4 107.2#

157 0.0 89.6 134.4#



#69

Naphthalene

Concen: 4.276 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028946.D

Acq: 24 Dec 2018 14:42

Tgt Ion: 128 Resp: 39731

Ion Ratio Lower Upper

128 100

127 22.7 10.5 15.7#

129 55.1 8.7 13.1#

