

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082818\
 Data File : VU026408.D
 Acq On : 28 Aug 2018 19:19
 Operator : MD/SY
 Sample : J4633-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 01:40:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 00:08:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	64177	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	63193	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	32711	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38361	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.68	69	30260	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.27	63	70903	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	4.20	46	72611	45.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.86%
24) Chloroform-d	4.65	84	44851	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.31	65	28228	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.34	84	102029	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.33	67	34196	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.57	98	90996	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.85	79	12432	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.32	63	57369	49.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.00%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	26099	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	34566	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	11476	1.864	ug/L	97
3) Chloromethane	1.33	50	44248	5.432	ug/L	99
5) Vinyl chloride	1.40	62	34372	4.190	ug/L	100
6) Bromomethane	1.63	94	19022	4.823	ug/L	98
8) Chloroethane	1.70	64	20370	4.220	ug/L	97
9) Trichlorofluoromethane	1.89	101	82362	8.426	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	22734	3.965	ug/L	97
12) 1,1-Dichloroethene	2.28	96	28988	5.514	ug/L	92
13) Acetone	2.33	43	1305	1.118	ug/L	66
16) Methylene chloride	2.70	84	20186	3.073	ug/L	97
17) Methyl tert-butyl Ether	3.01	73	71471	5.417	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	35308	6.149	ug/L	93
21) 2-Butanone	4.28	43	588	0.393	ug/L #	53
22) cis-1,2-Dichloroethene	4.22	96	33287	5.722	ug/L	99
23) Bromochloromethane	4.55	128	4312	1.831	ug/L	93
25) Chloroform	4.68	83	53708	4.688	ug/L	97
27) 1,2-Dichloroethane	5.41	62	30366	4.761	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

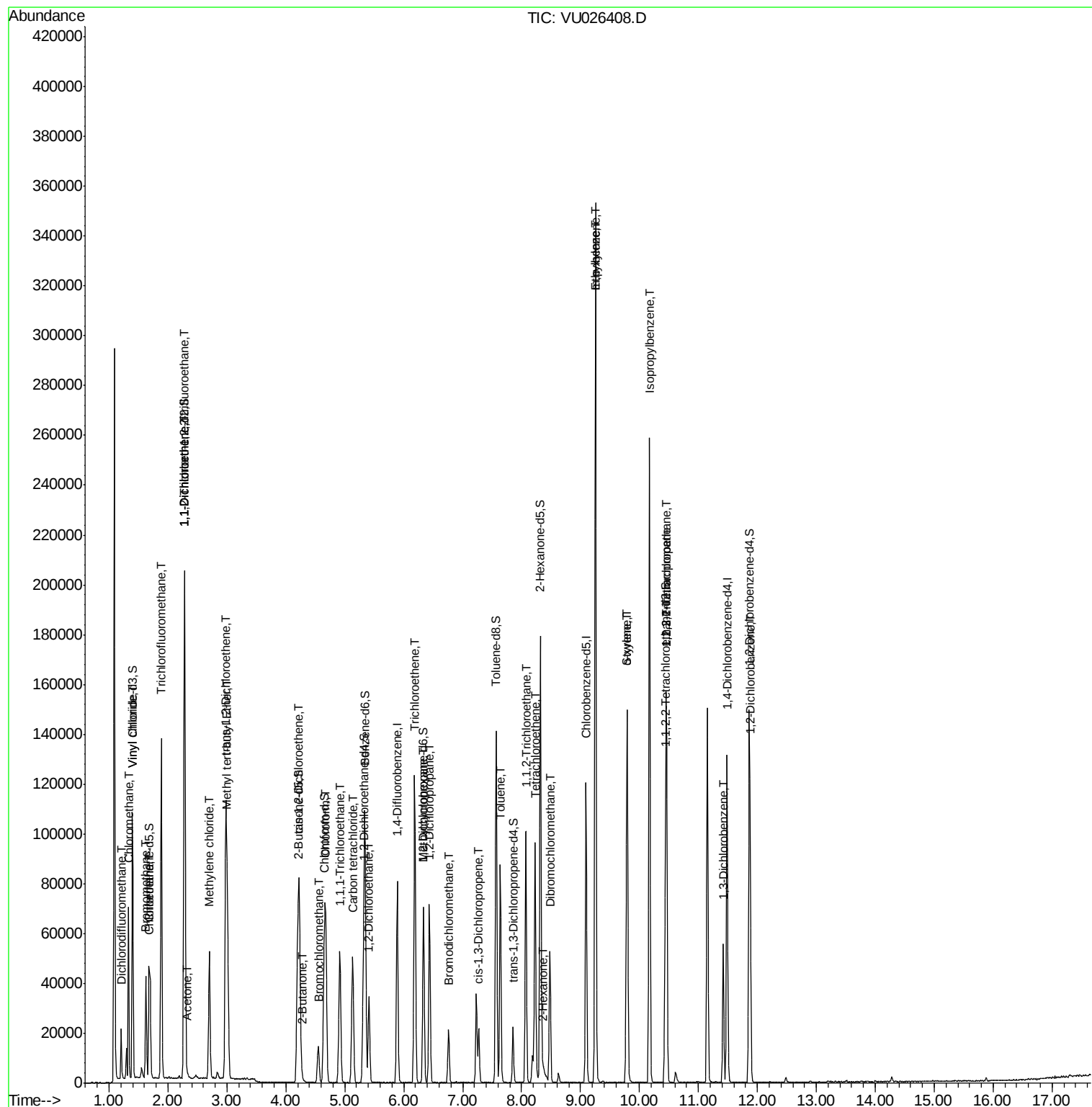
29) 1,1,1-Trichloroethane	4.91	97	39230	4.943	ug/L	98
31) Carbon tetrachloride	5.13	117	35475	4.957	ug/L	100
34) Trichloroethene	6.19	95	41118	7.260	ug/L	96
35) Methylcyclohexane	6.33	83	7923	0.984	ug/L #	16
37) 1,2-Dichloropropane	6.44	63	27021	4.647	ug/L	100
38) Bromodichloromethane	6.76	83	13712	2.006	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	12450	1.686	ug/L	97
42) Toluene	7.64	91	62636	2.931	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	29718	8.147	ug/L	98
47) Tetrachloroethene	8.23	164	20253	4.754	ug/L	97
48) 2-Hexanone	8.37	43	1751	0.722	ug/L #	85
49) Dibromochloromethane	8.48	129	26516	5.961	ug/L	97
52) Ethylbenzene	9.25	91	232643	10.273	ug/L	100
53) m,p-xylene	9.25	106	70380	8.449	ug/L #	25
54) o-xylene	9.78	106	24045	3.051	ug/L	99
55) Styrene	9.80	104	42028	3.045	ug/L	98
56) Isopropylbenzene	10.17	105	155128	7.401	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	22730	4.755	ug/L	95
59) 1,2,3-Trichloropropane	10.45	75	3599	1.071	ug/L #	1
62) 1,3-Dichlorobenzene	11.42	146	22337	2.117	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	21433	2.056	ug/L	98

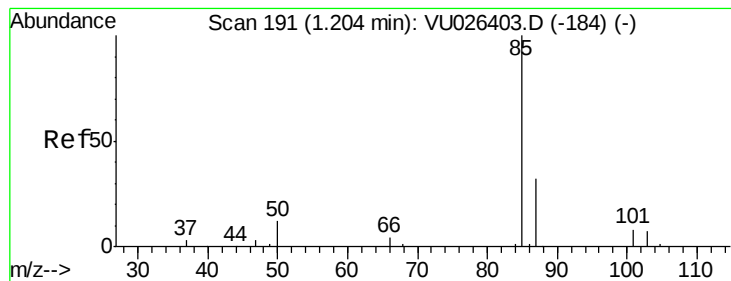
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.864 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

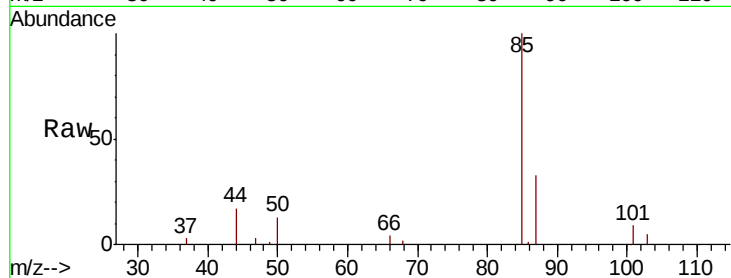
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 11476

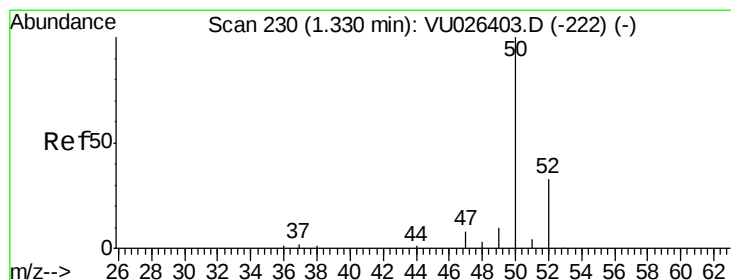
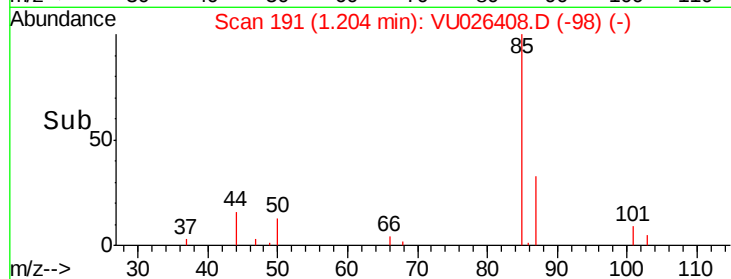
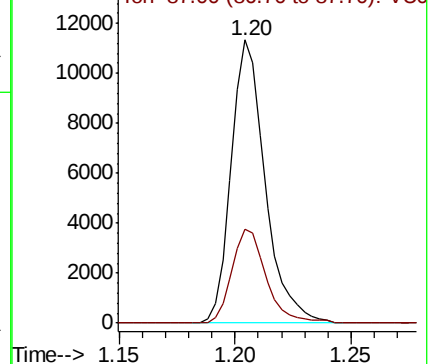
Ion Ratio Lower Upper

85 100

87 33.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.432 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026408.D

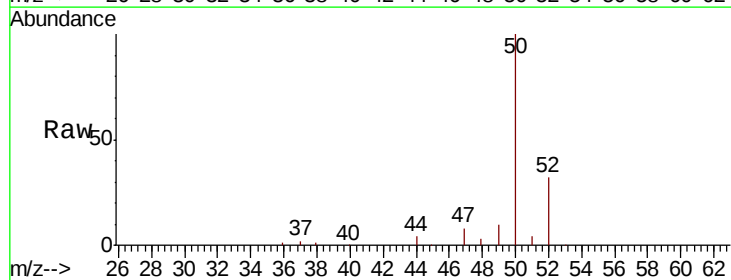
Acq: 28 Aug 2018 19:19

Tgt Ion: 50 Resp: 44248

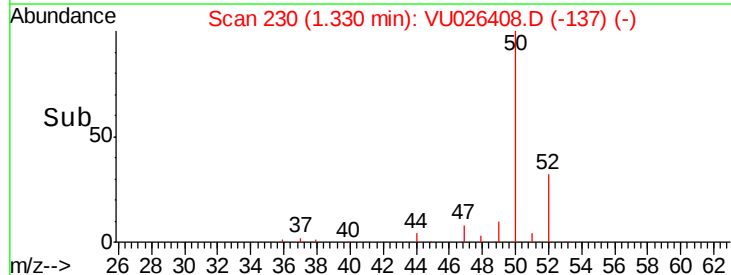
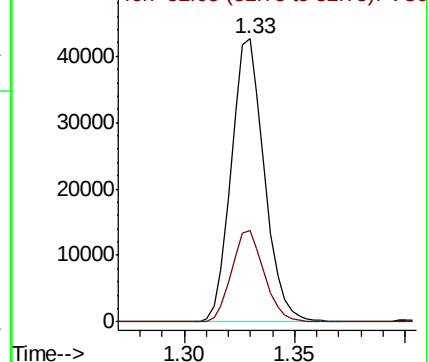
Ion Ratio Lower Upper

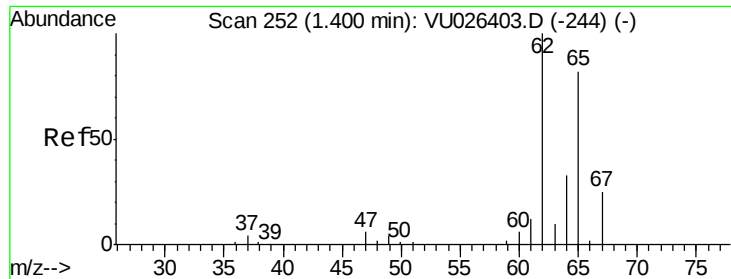
50 100

52 32.1 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.190 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

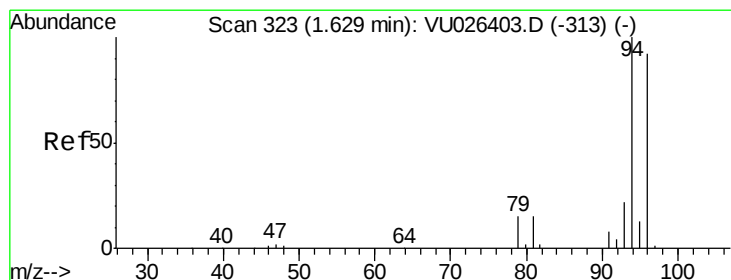
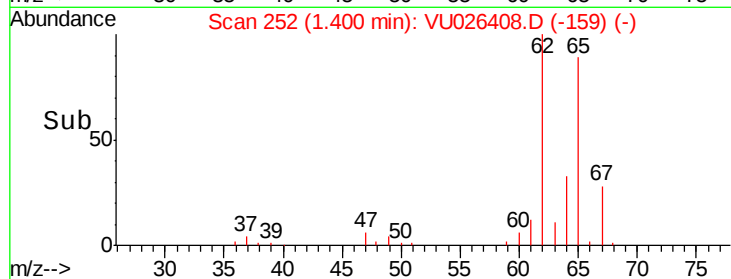
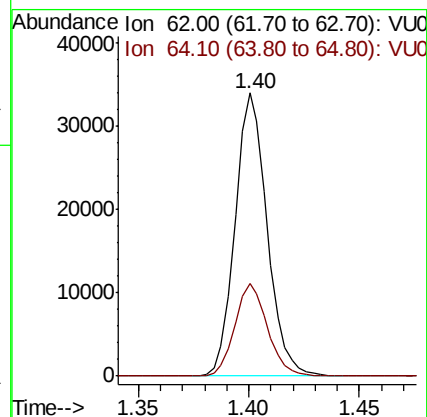
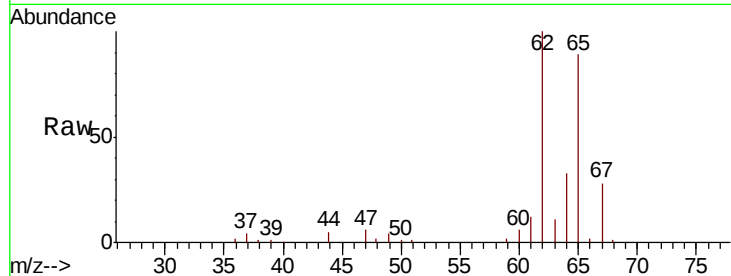
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 34372

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.8



#6

Bromomethane

Concen: 4.823 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU026408.D

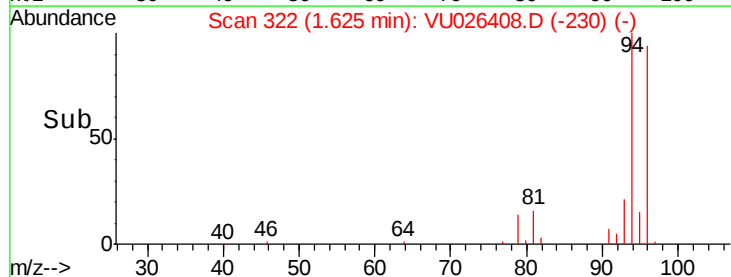
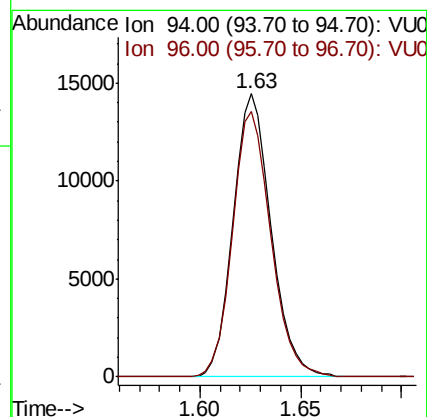
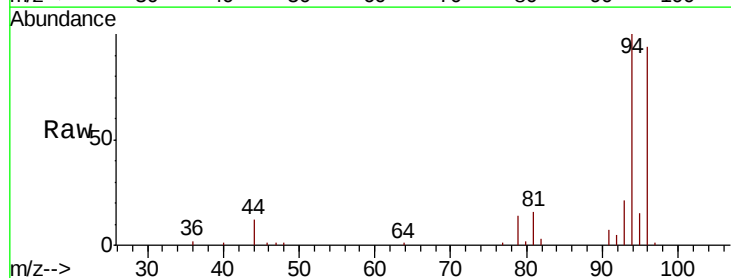
Acq: 28 Aug 2018 19:19

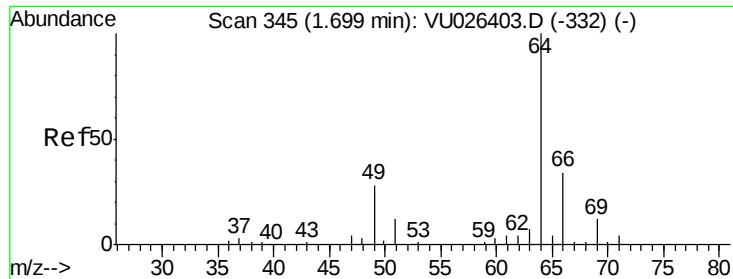
Tgt Ion: 94 Resp: 19022

Ion Ratio Lower Upper

94 100

96 93.7 64.3 119.5

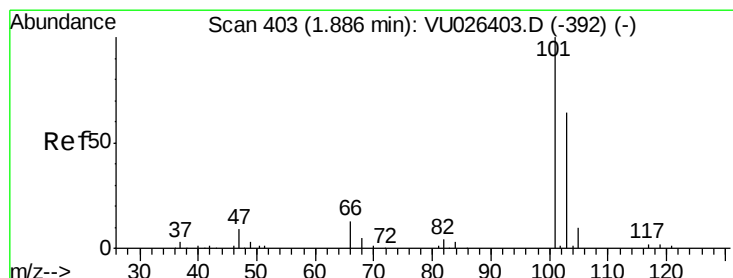
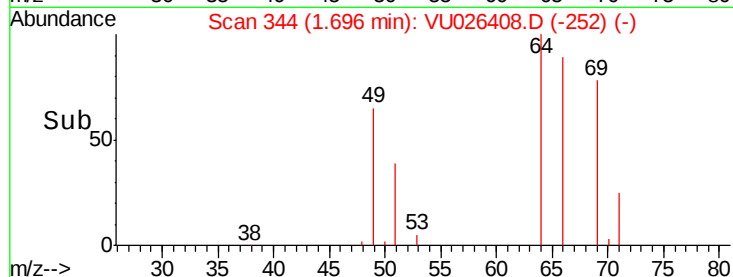
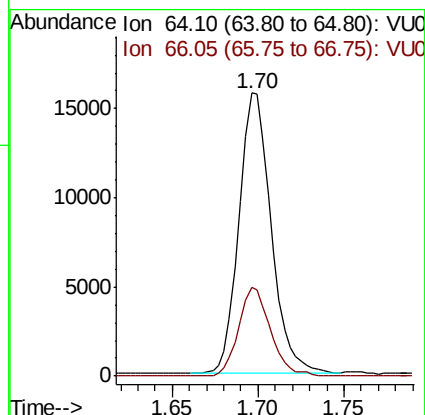
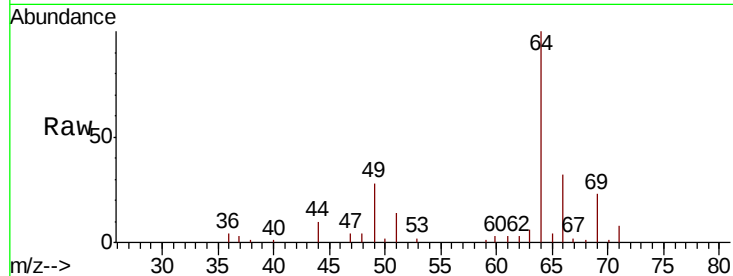




#8
Chloroethane
Concen: 4.220 ug/L
RT: 1.70 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026408.D
Acq: 28 Aug 2018 19:19

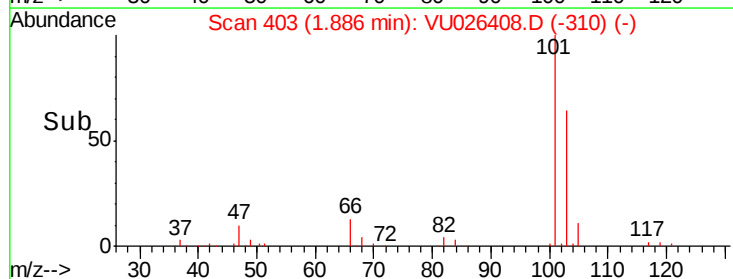
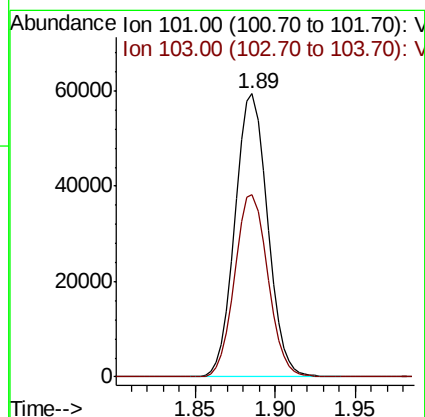
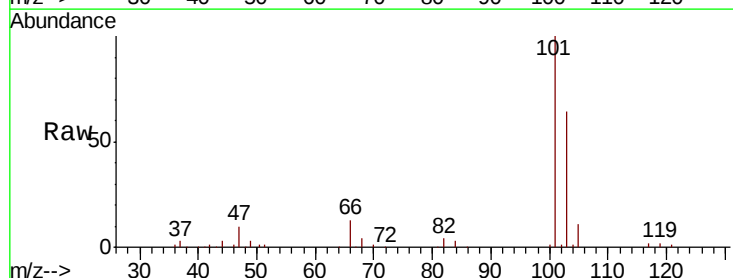
Instrument :
MSVOA_U
ClientSampleId :

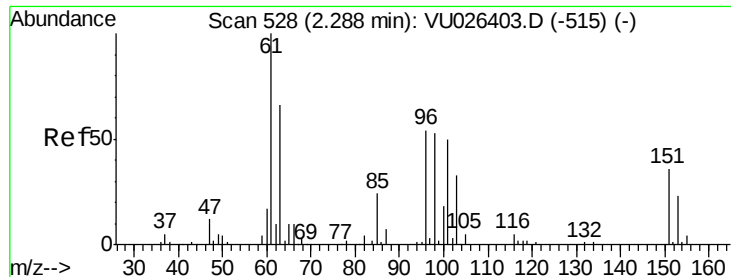
Tot Ion: 64 Resp: 20370
Ion Ratio Lower Upper
64 100
66 31.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 8.426 ug/L
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU026408.D
Acq: 28 Aug 2018 19:19

Tgt Ion:101 Resp: 82362
Ion Ratio Lower Upper
101 100
103 65.4 51.3 76.9





#10

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

Concen: 3.965 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Instrument :

MSVOA_U

ClientSampleId :

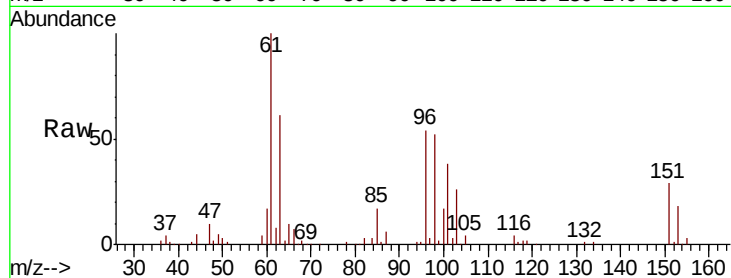
Tot Ion:101 Resp: 22734

Ion Ratio Lower Upper

101 100

85 43.7 36.0 54.0

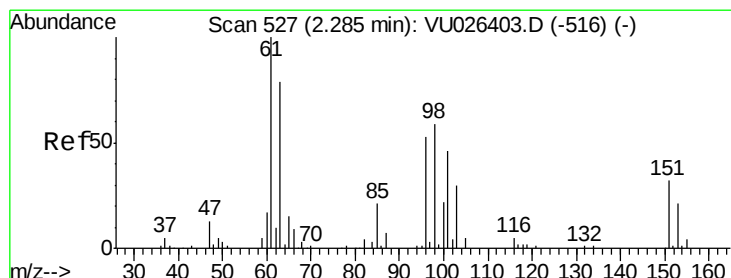
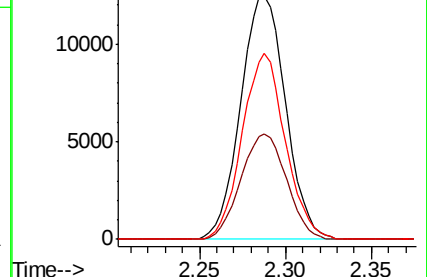
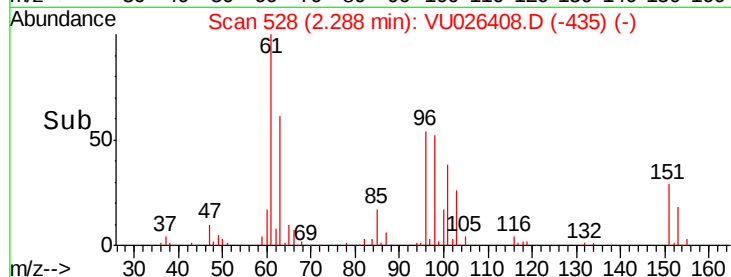
151 72.9 55.5 83.3



Abundance Ion 101.00 (100.70 to 101.70): VU026408.D (-435) (-)

Ion 85.00 (84.70 to 85.70): VU026408.D (-435) (-)

Ion 151.00 (150.70 to 151.70): VU026408.D (-435) (-)



#12

1,1-Dichloroethene

Concen: 5.514 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

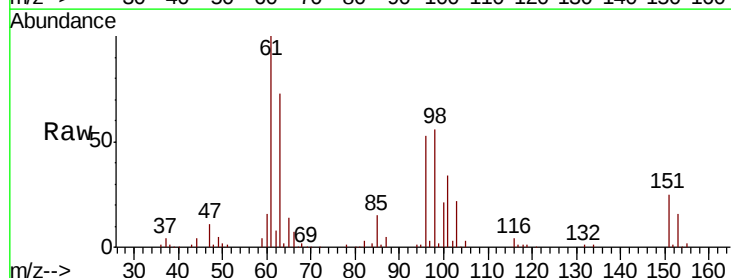
Tgt Ion: 96 Resp: 28988

Ion Ratio Lower Upper

96 100

61 189.6 133.5 247.9

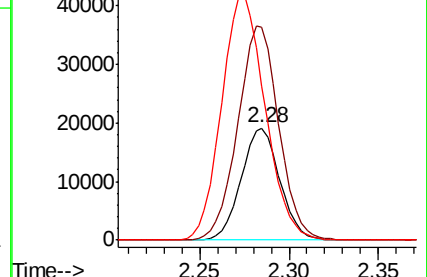
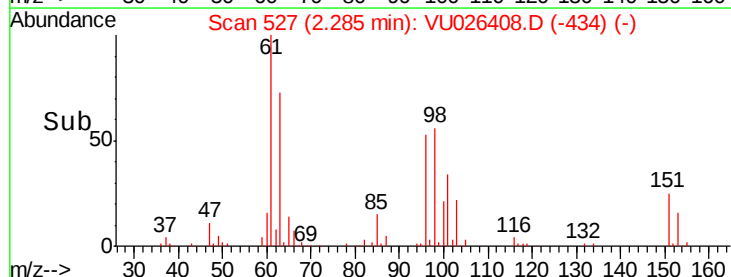
63 137.6 112.3 208.7

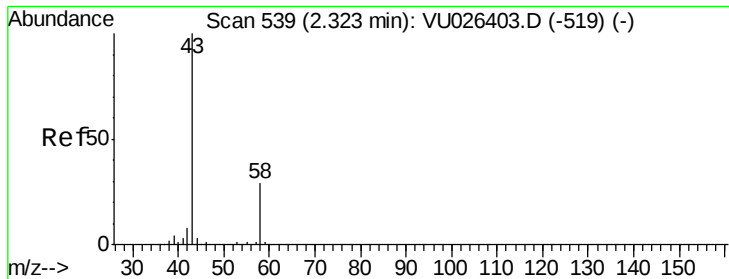


Abundance Ion 96.00 (95.70 to 96.70): VU026408.D (-434) (-)

Ion 61.05 (60.75 to 61.75): VU026408.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU026408.D (-434) (-)





#13

Acetone

Concen: 1.118 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

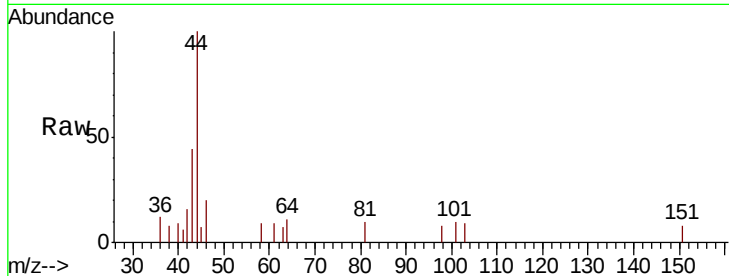
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1305

Ion Ratio Lower Upper

43 100

58 11.8 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

800

600

400

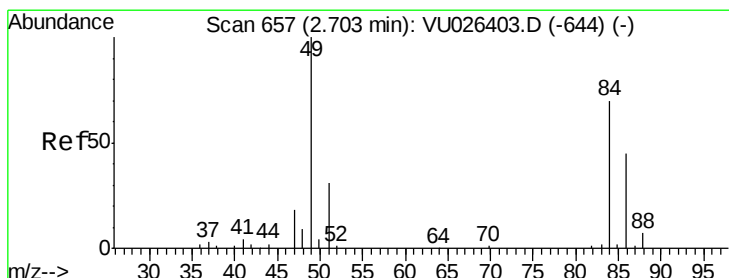
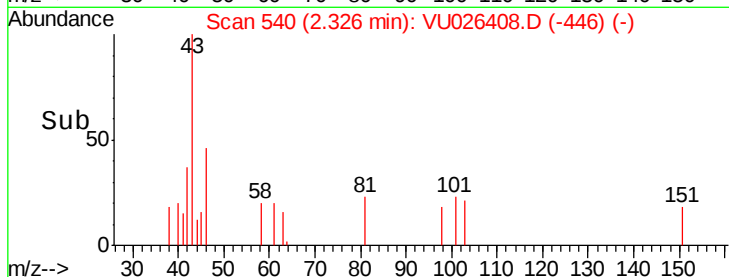
200

0

2.30

2.35

Time-->



#16

Methylene chloride

Concen: 3.073 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

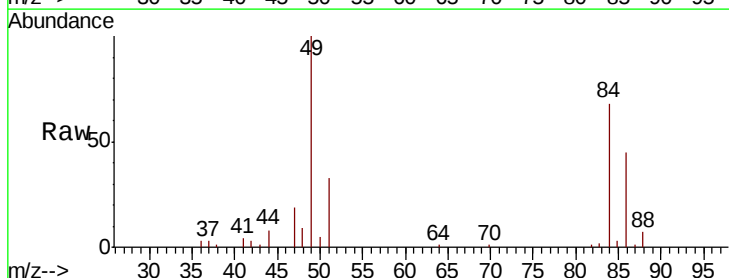
Tgt Ion: 84 Resp: 20186

Ion Ratio Lower Upper

84 100

86 65.6 44.9 83.3

49 146.6 99.7 185.1



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

20000

15000

10000

5000

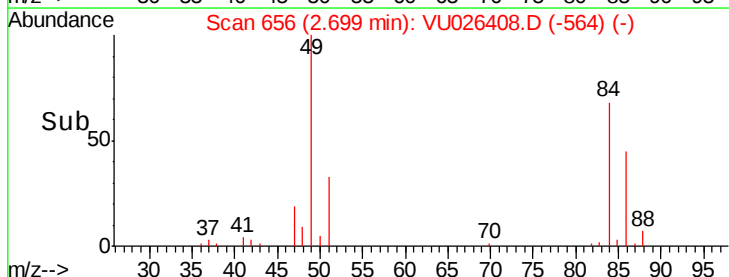
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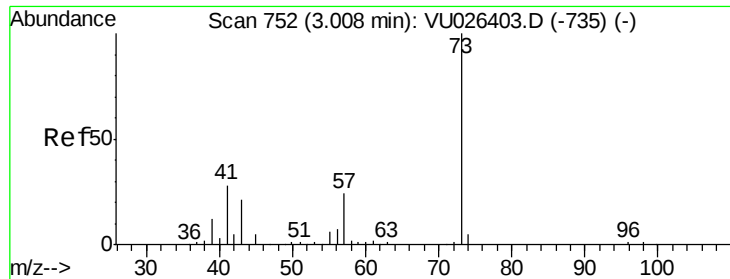
2.65

2.70

2.75

Time-->



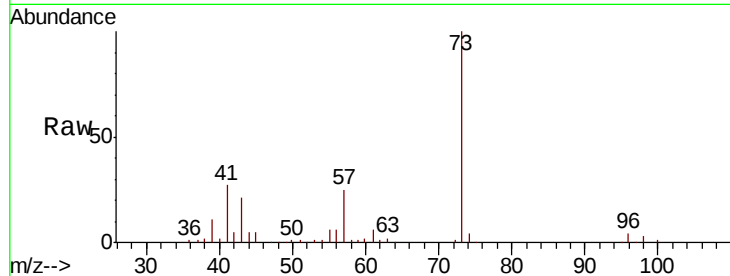


#17

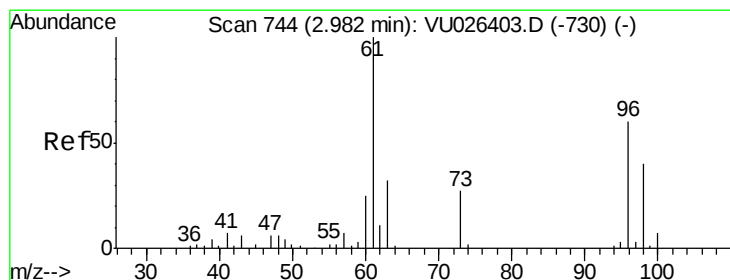
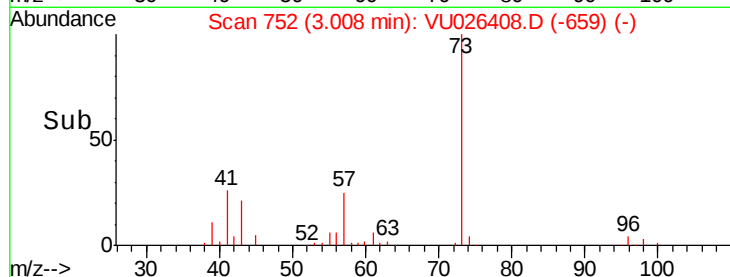
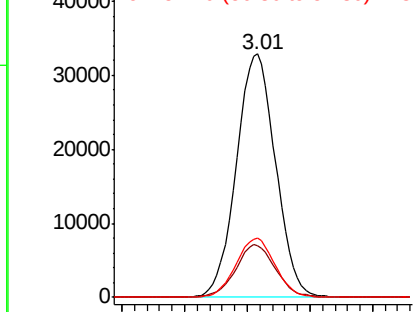
Methvl tert-butvl Ether
 Concen: 5.417 ug/L
 RT: 3.01 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU026408.D
 Acq: 28 Aug 2018 19:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 71471
 Ion Ratio Lower Upper
 73 100
 43 21.8 17.6 26.4
 57 24.3 19.0 28.6



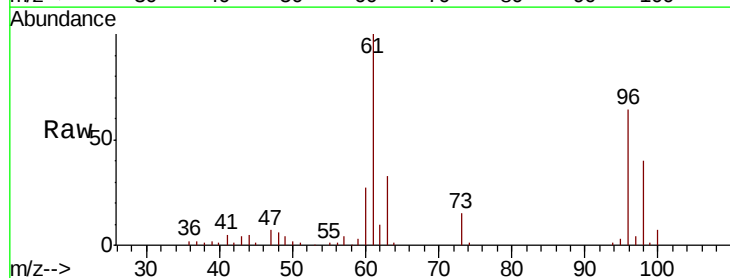
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



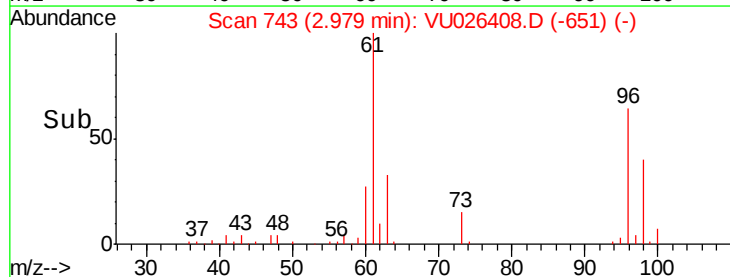
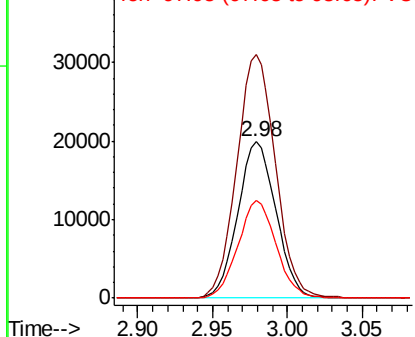
#18

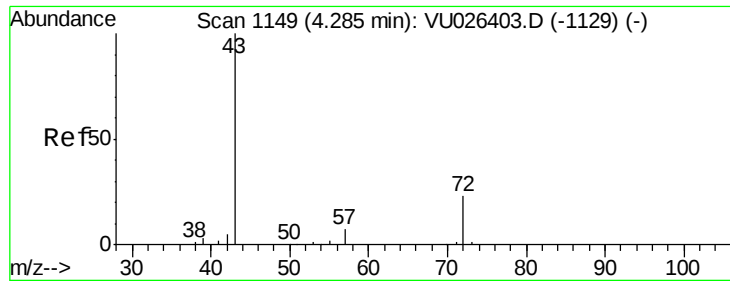
trans-1,2-Dichloroethene
 Concen: 6.149 ug/L
 RT: 2.98 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: VU026408.D
 Acq: 28 Aug 2018 19:19

Tgt Ion: 96 Resp: 35308
 Ion Ratio Lower Upper
 96 100
 61 155.8 116.6 216.6
 98 62.4 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#21

2-Butanone

Concen: 0.393 ug/L

RT: 4.28 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

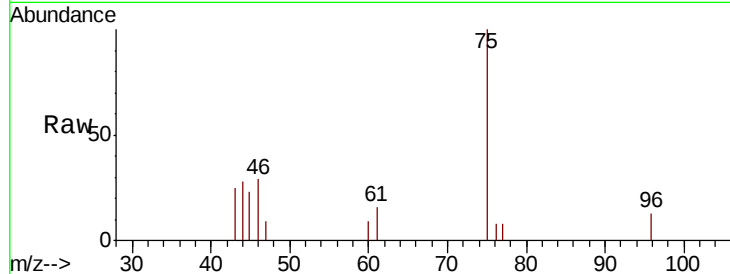
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 588

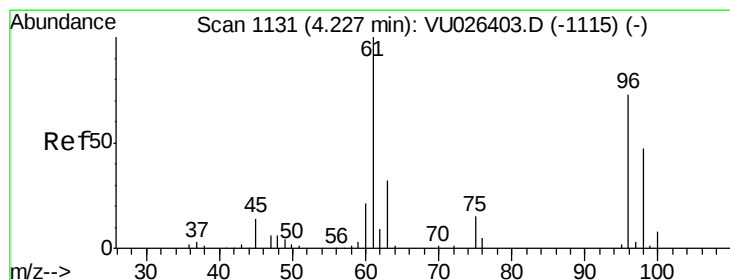
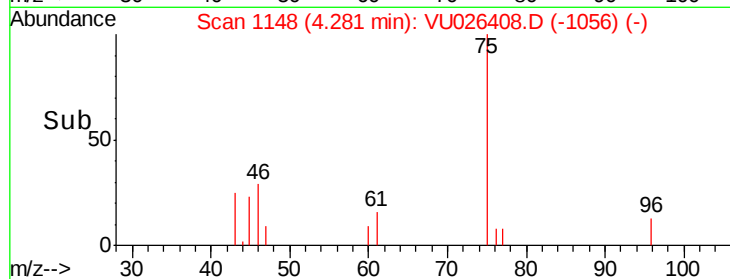
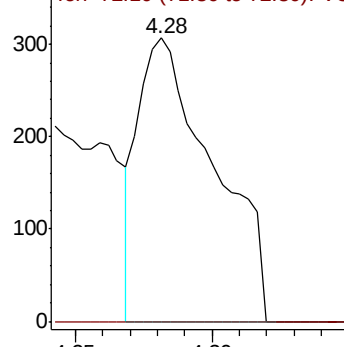
Ion Ratio Lower Upper

43 100

72 0.0 11.4 34.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 5.722 ug/L

RT: 4.22 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

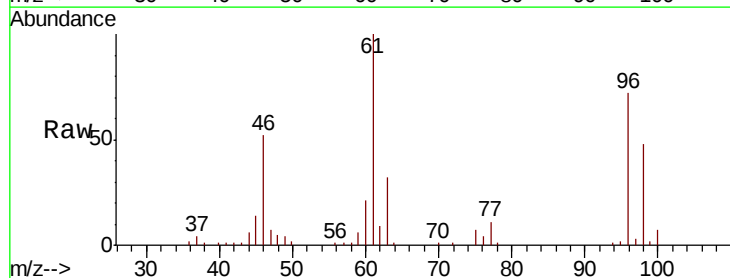
Tgt Ion: 96 Resp: 33287

Ion Ratio Lower Upper

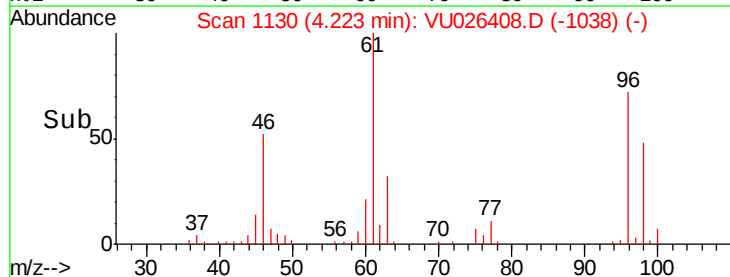
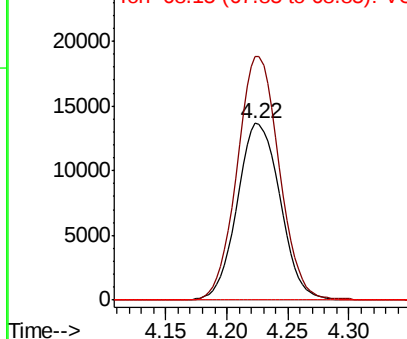
96 100

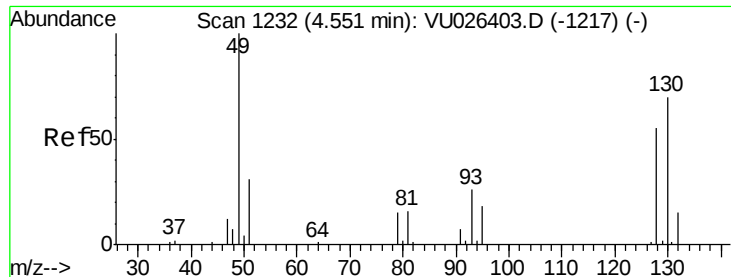
61 138.0 95.9 178.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

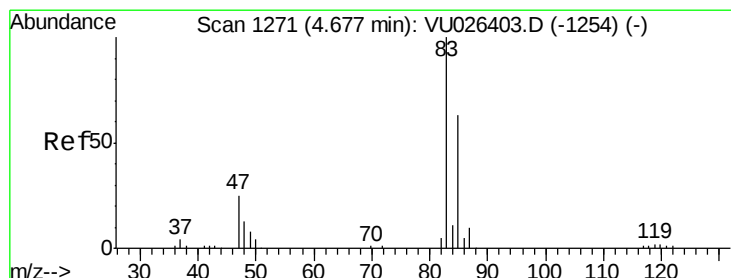
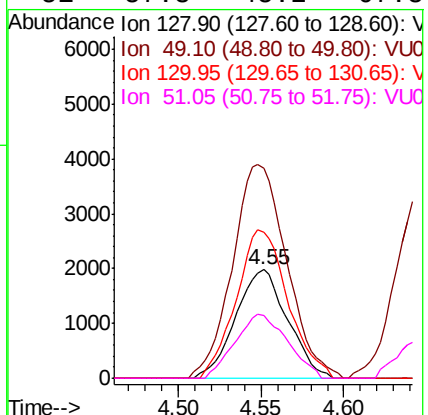
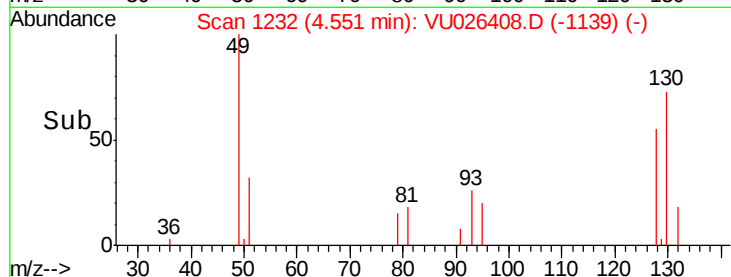
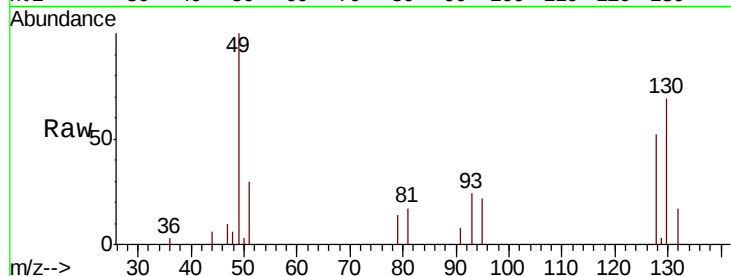




#23
Bromochloromethane
Concen: 1.831 ug/L
RT: 4.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU026408.D
Acq: 28 Aug 2018 19:19

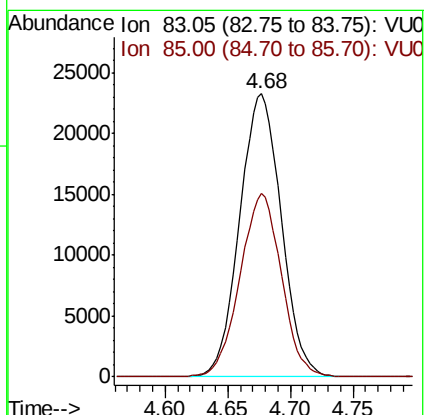
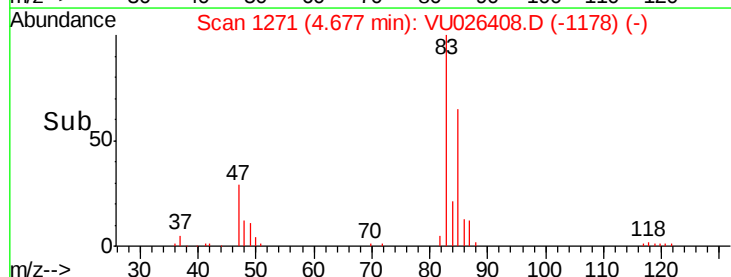
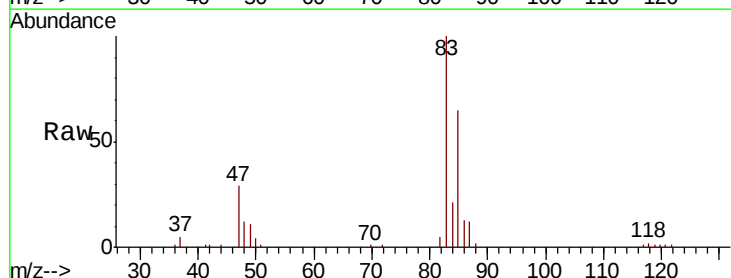
Instrument :
MSVOA_U
ClientSampled :

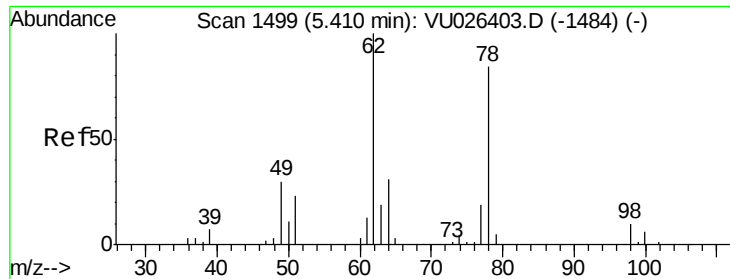
Tot Ion:128 Resp: 4312
Ion Ratio Lower Upper
128 100
49 193.4 126.8 235.4
130 134.4 88.6 164.6
51 57.8 45.2 67.8



#25
Chloroform
Concen: 4.688 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026408.D
Acq: 28 Aug 2018 19:19

Tgt Ion: 83 Resp: 53708
Ion Ratio Lower Upper
83 100
85 64.8 43.8 81.4

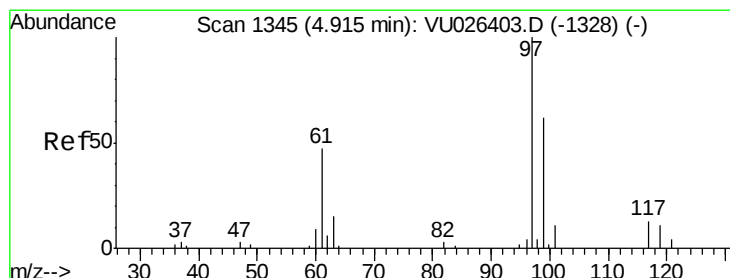
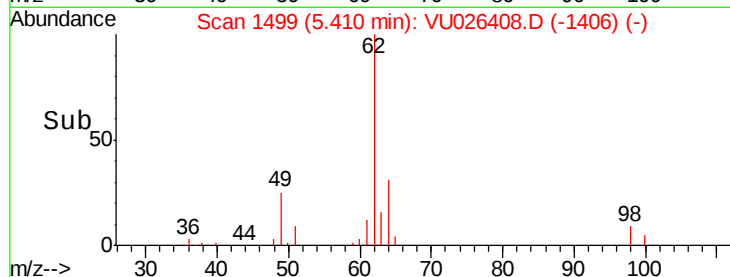
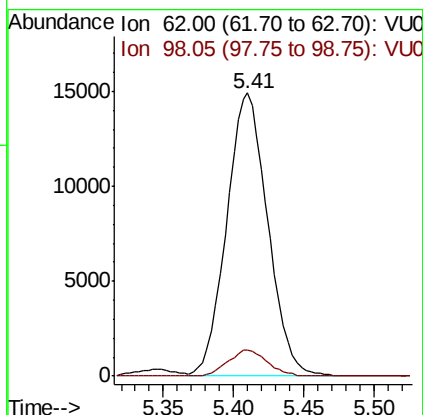
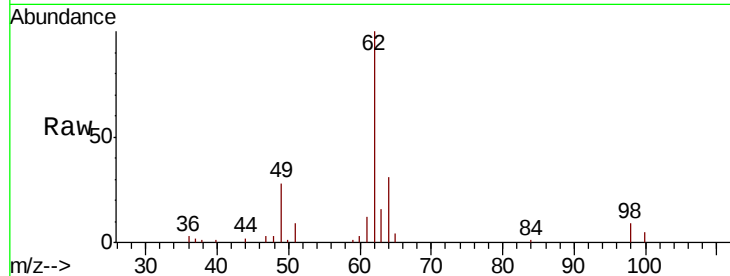




#27
 1,2-Dichloroethane
 Concen: 4.761 ug/L
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU026408.D
 Acq: 28 Aug 2018 19:19

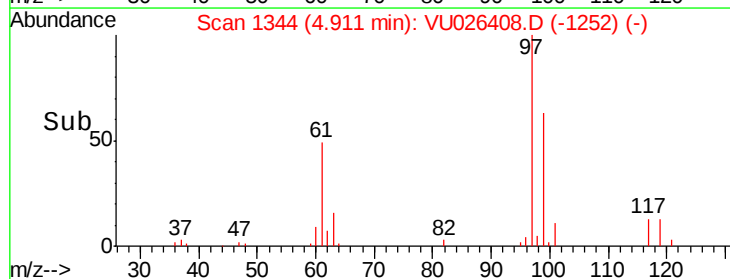
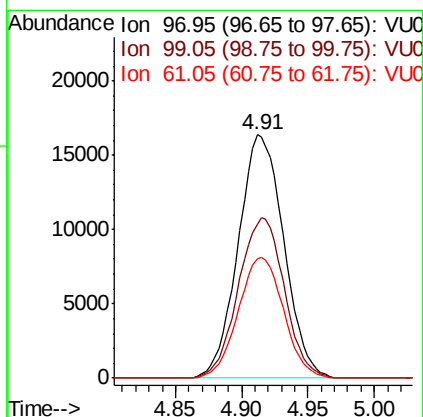
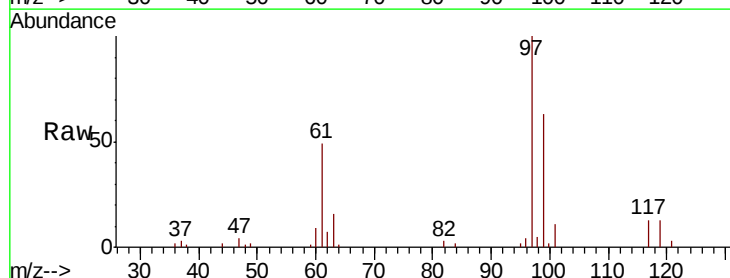
Instrument :
 MSVOA_U
 ClientSampleId :

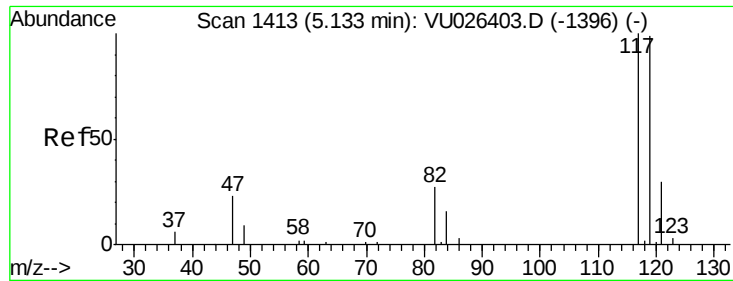
Tot Ion: 62 Resp: 30366
 Ion Ratio Lower Upper
 62 100
 98 9.4 7.6 11.4



#29
 1,1,1-Trichloroethane
 Concen: 4.943 ug/L
 RT: 4.91 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VU026408.D
 Acq: 28 Aug 2018 19:19

Tgt Ion: 97 Resp: 39230
 Ion Ratio Lower Upper
 97 100
 99 66.3 51.8 77.8
 61 49.2 40.1 60.1





#31

Carbon tetrachloride

Concen: 4.957 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Instrument :

MSVOA_U

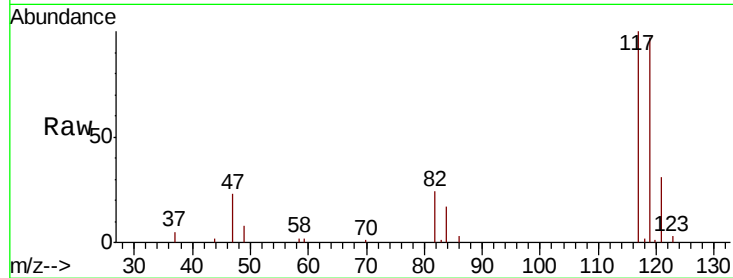
ClientSampleId :

Tot Ion:117 Resp: 35475

Ion Ratio Lower Upper

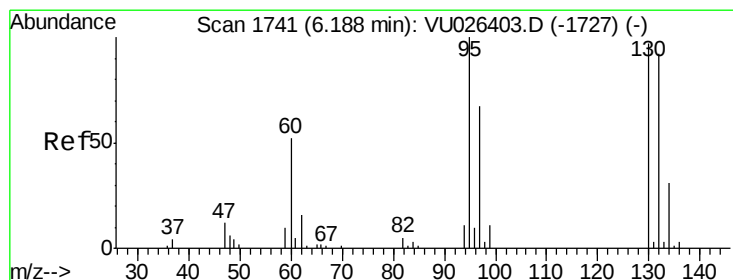
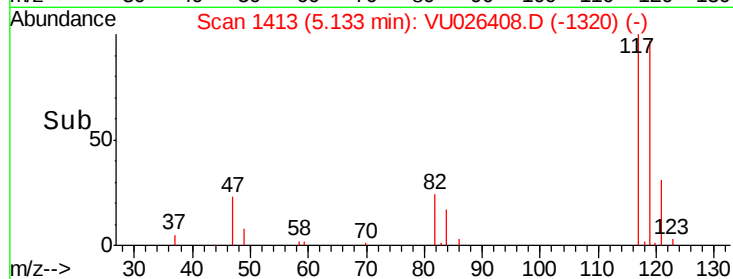
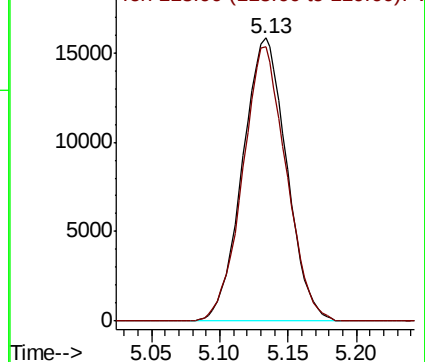
117 100

119 95.9 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 7.260 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Tgt Ion: 95 Resp: 41118

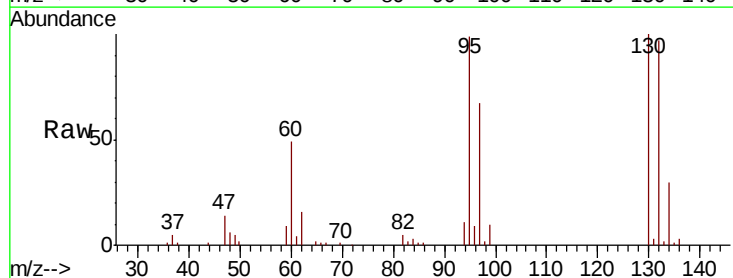
Ion Ratio Lower Upper

95 100

97 67.9 46.6 86.6

132 97.5 64.2 119.2

130 100.9 68.2 126.6

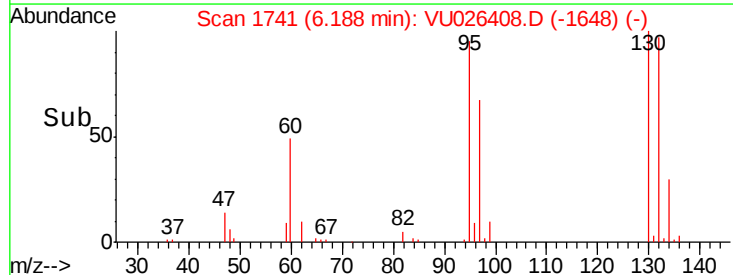
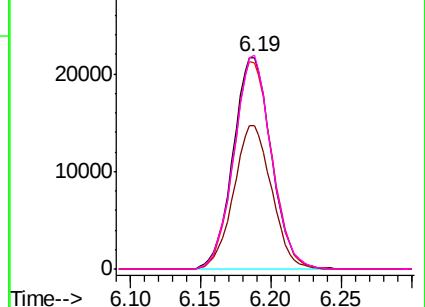


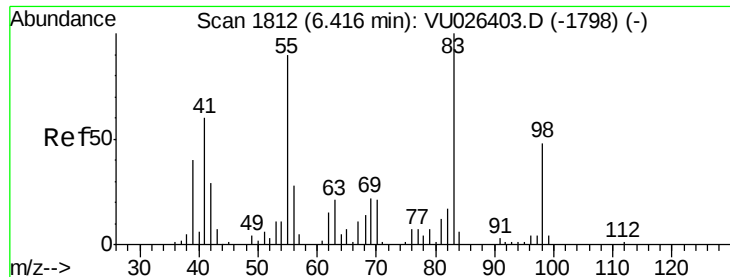
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

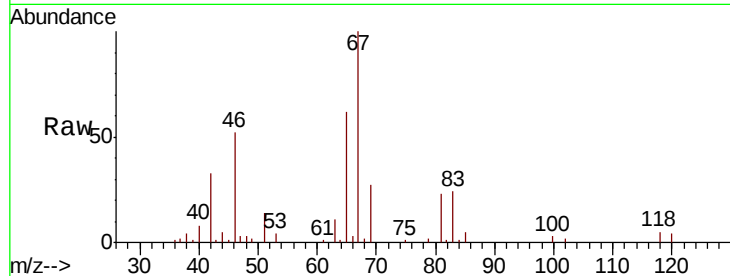




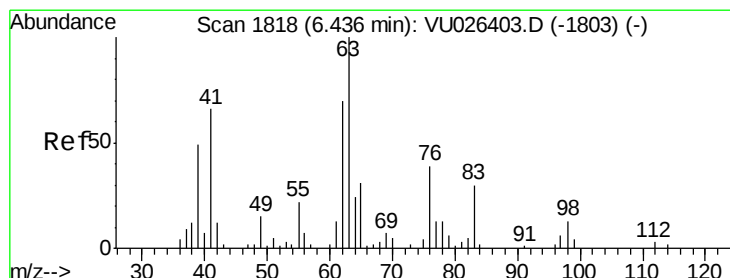
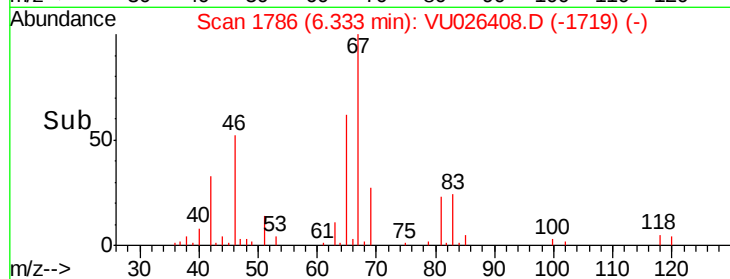
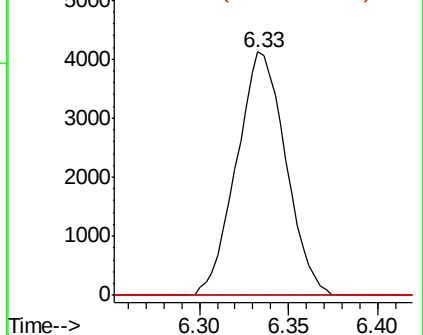
#35
Methvlcvclohexane
Concen: 0.984 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.08 min
Lab File: VU026408.D
Acq: 28 Aug 2018 19:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 7923
Ion Ratio Lower Upper
83 100
55 0.0 68.1 102.1#
98 0.6 36.0 54.0#

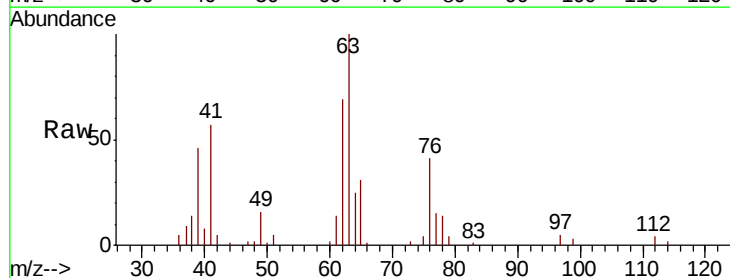


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

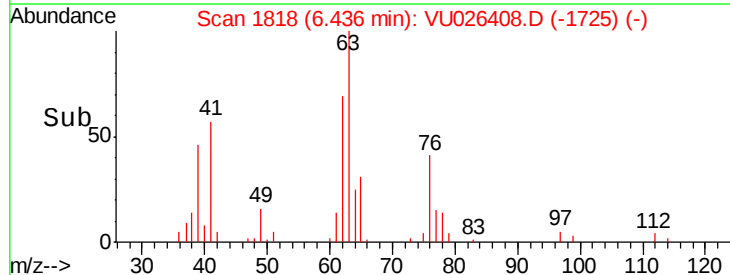
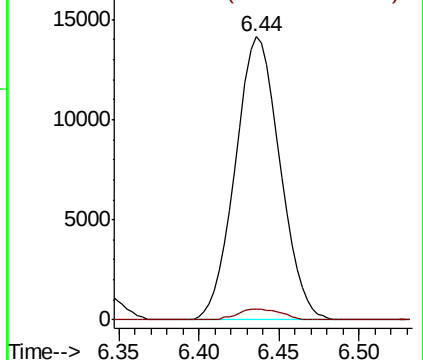


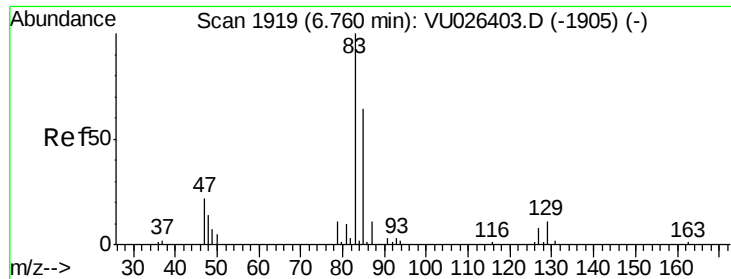
#37
1,2-Dichloropropane
Concen: 4.647 ug/L
RT: 6.44 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VU026408.D
Acq: 28 Aug 2018 19:19

Tgt Ion: 63 Resp: 27021
Ion Ratio Lower Upper
63 100
112 3.8 2.9 4.3



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 2.006 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Instrument :

MSVOA_U

ClientSampleId :

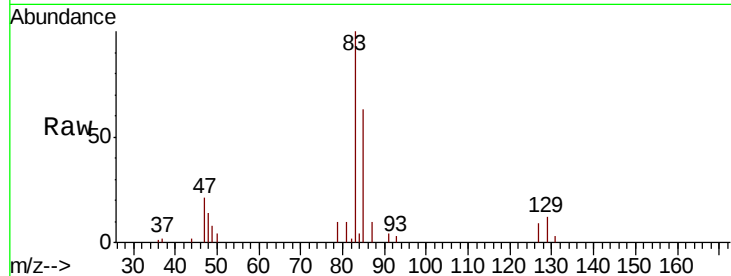
Tot Ion: 83 Resp: 13712

Ion Ratio Lower Upper

83 100

85 62.7 44.7 83.1

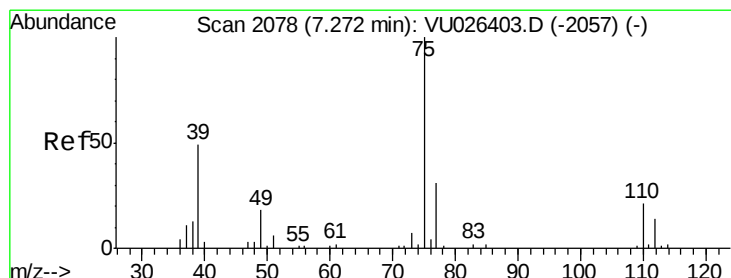
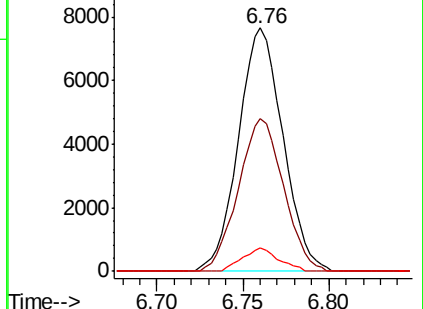
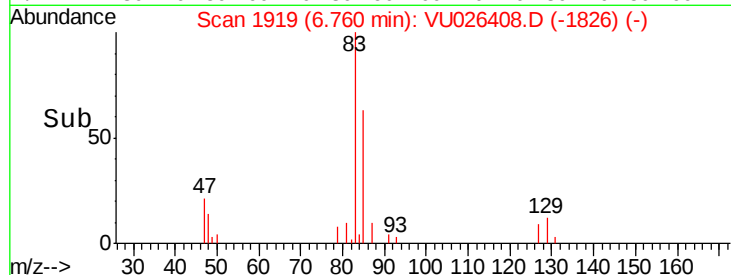
127 9.4 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VU026408.D (-1826) (-)

Ion 85.00 (84.70 to 85.70): VU026408.D (-1826) (-)

Ion 126.90 (126.60 to 127.60): VU026408.D (-1826) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.686 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU026408.D

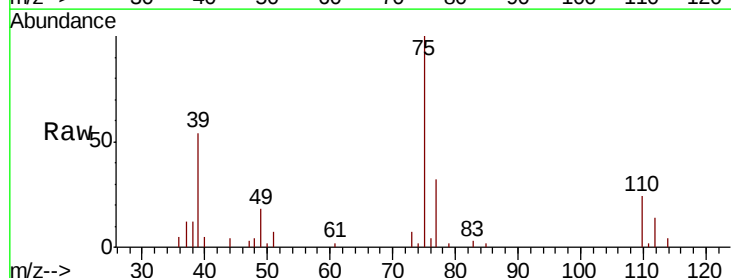
Acq: 28 Aug 2018 19:19

Tgt Ion: 75 Resp: 12450

Ion Ratio Lower Upper

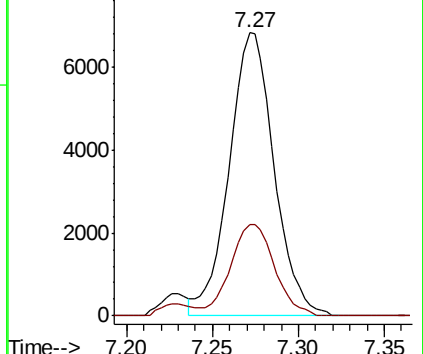
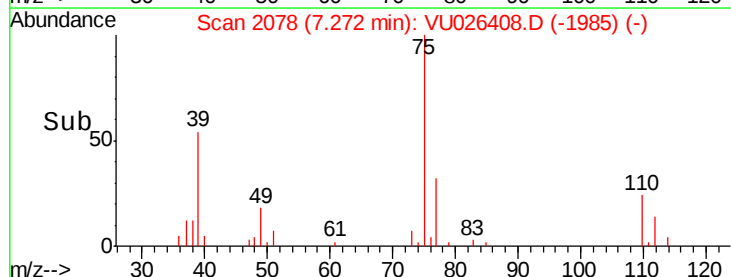
75 100

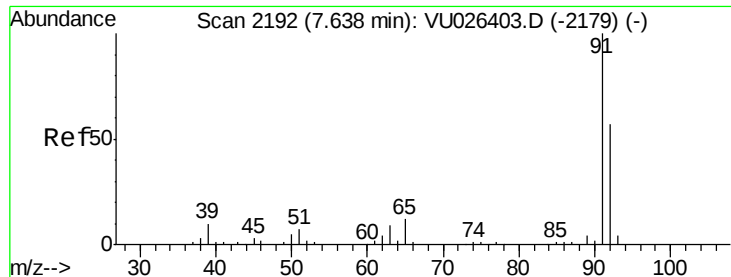
77 32.1 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VU026408.D (-1985) (-)

Ion 77.05 (76.75 to 77.75): VU026408.D (-1985) (-)





#42

Toluene

Concen: 2.931 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Instrument :

MSVOA_U

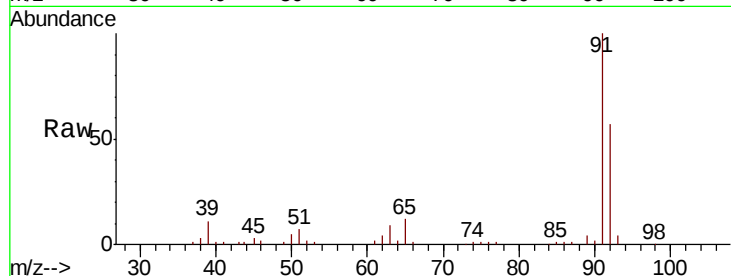
ClientSampleId :

Tot Ion: 91 Resp: 62636

Ion Ratio Lower Upper

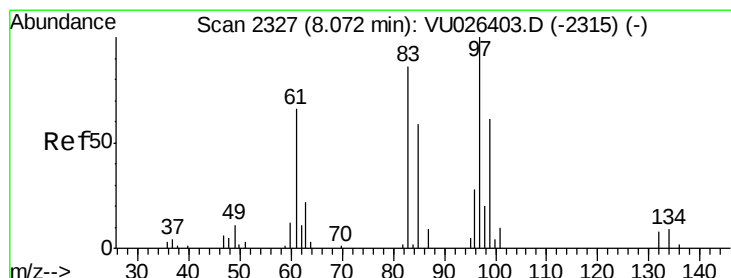
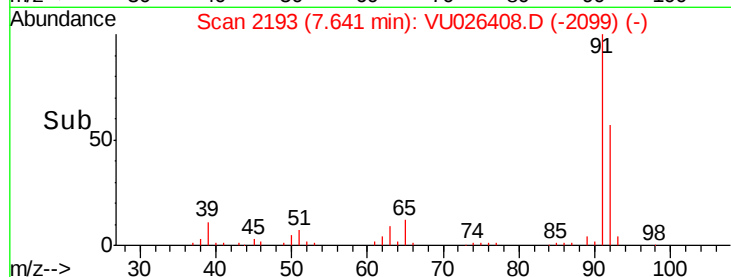
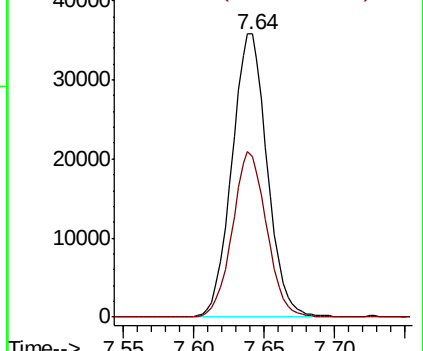
91 100

92 56.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#45

1,1,2-Trichloroethane

Concen: 8.147 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Tgt Ion: 97 Resp: 29718

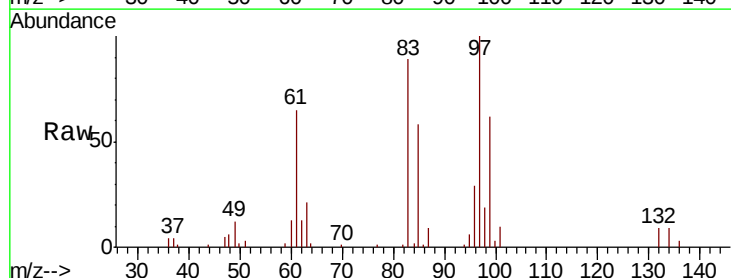
Ion Ratio Lower Upper

97 100

99 62.0 42.4 78.8

83 88.6 60.5 112.5

85 57.7 40.9 76.0

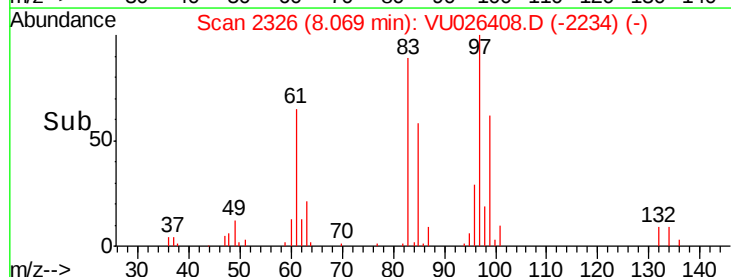
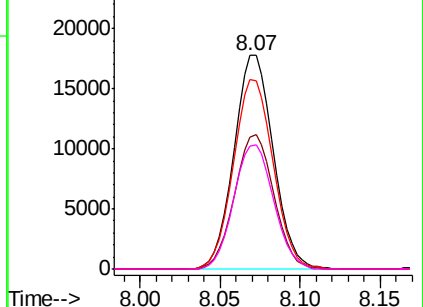


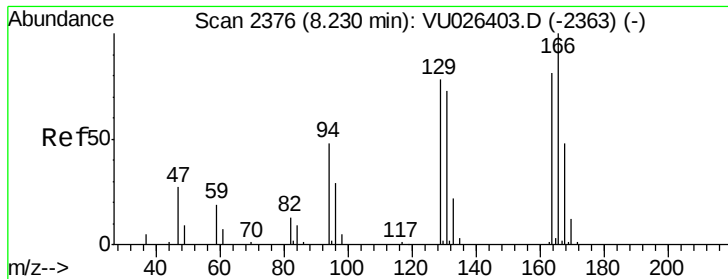
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





#47

Tetrachloroethene

Concen: 4.754 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 20253

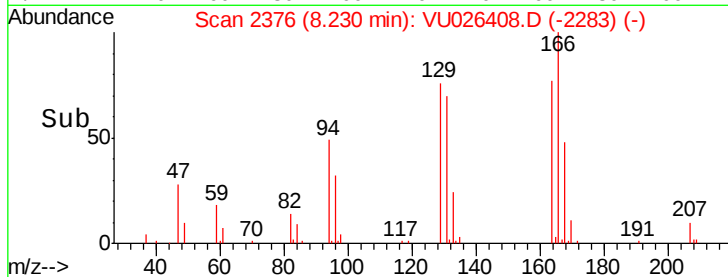
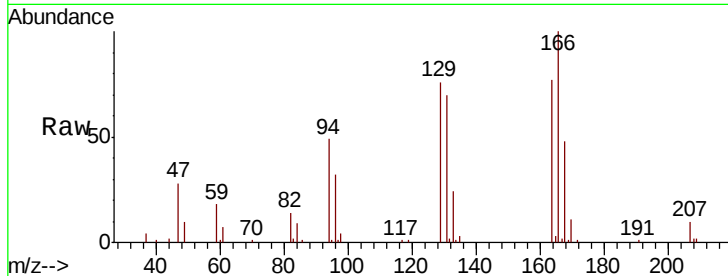
Ion Ratio Lower Upper

164 100

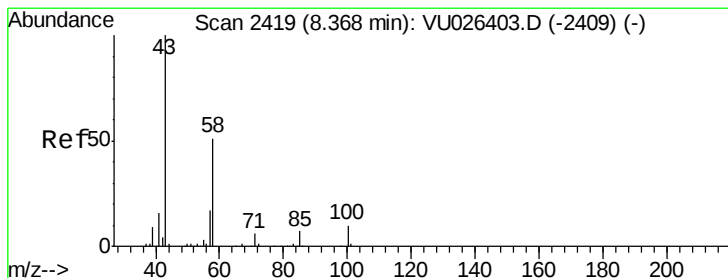
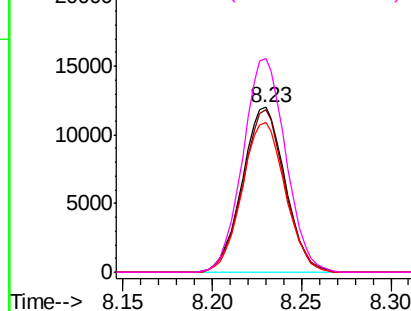
129 99.0 67.8 126.0

131 90.9 63.1 117.3

166 129.6 86.5 160.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 0.722 ug/L

RT: 8.37 min Scan# 2421

Delta R.T. 0.01 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Tgt Ion: 43 Resp: 1751

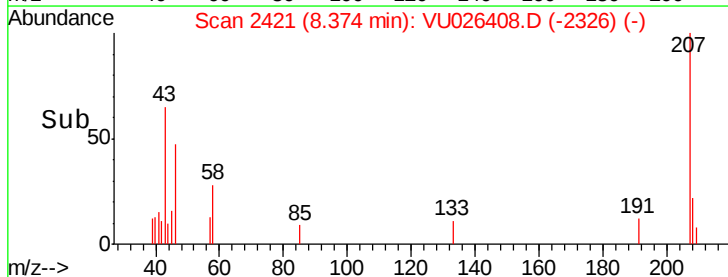
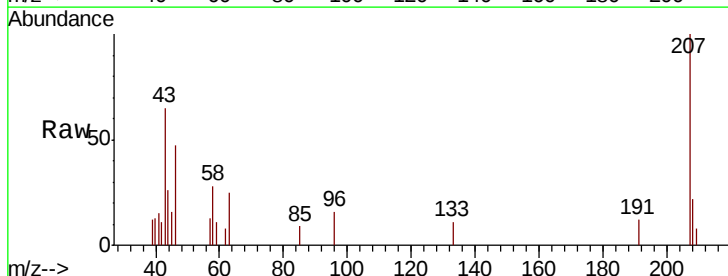
Ion Ratio Lower Upper

43 100

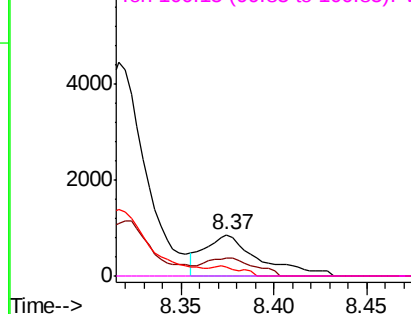
58 40.7 40.5 60.7

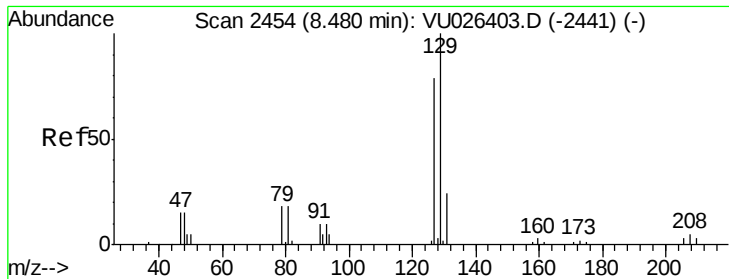
57 11.7 14.0 21.0#

100 0.0 7.6 11.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 5.961 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

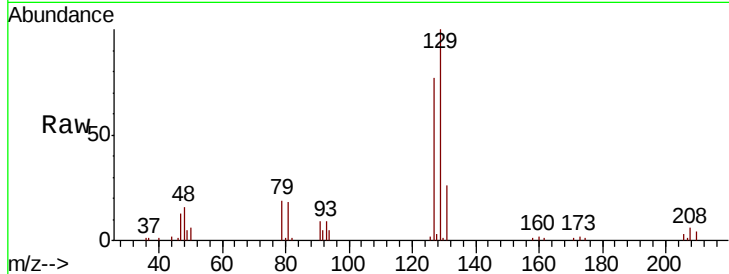
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 26516

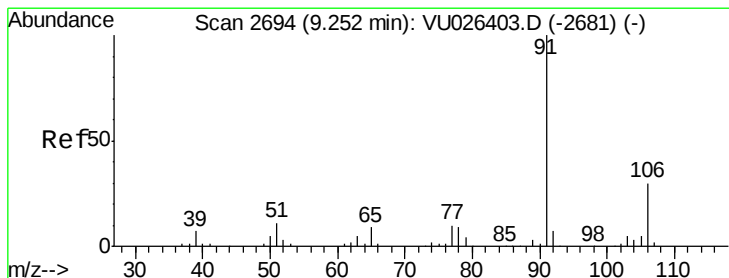
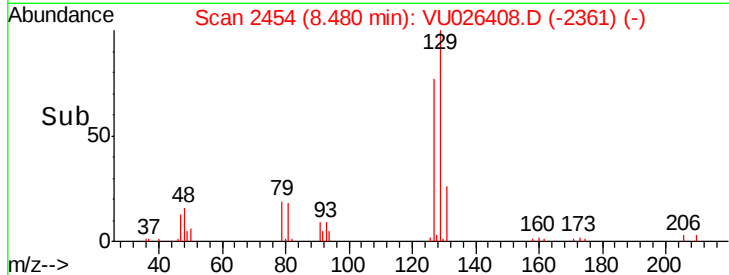
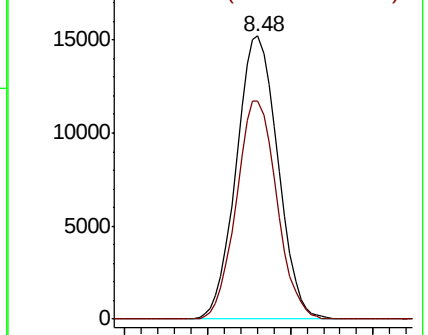
Ion Ratio Lower Upper

129 100

127 77.0 55.6 103.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#52

Ethylbenzene

Concen: 10.273 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026408.D

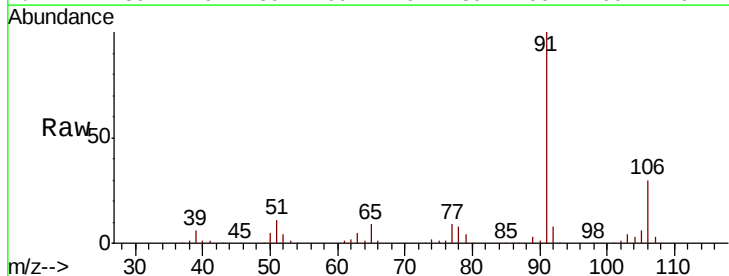
Acq: 28 Aug 2018 19:19

Tgt Ion: 91 Resp: 232643

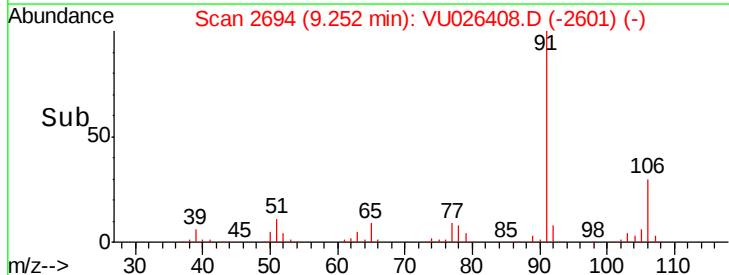
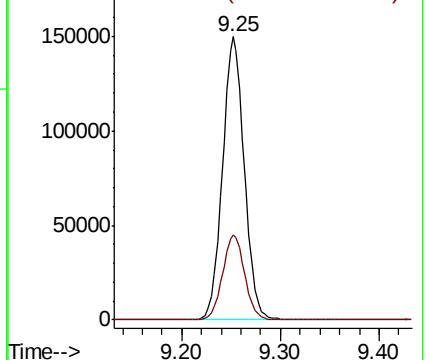
Ion Ratio Lower Upper

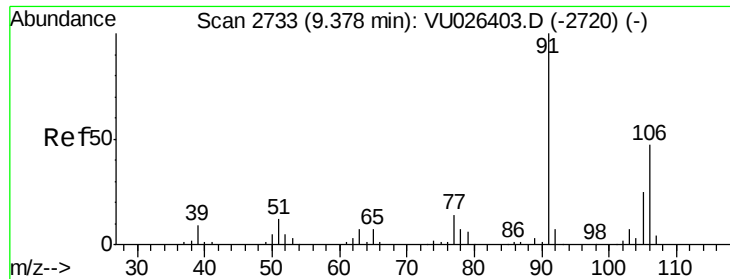
91 100

106 30.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 8.449 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.13 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Instrument :

MSVOA_U

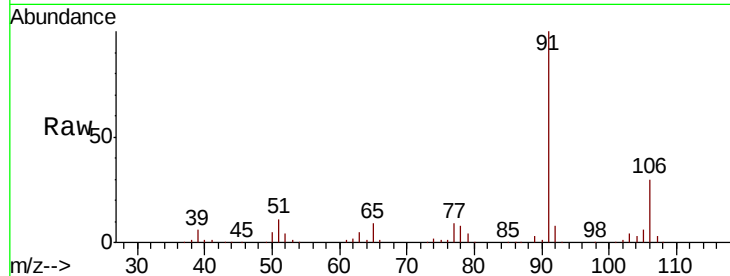
ClientSampled :

Tot Ion:106 Resp: 70380

Ion Ratio Lower Upper

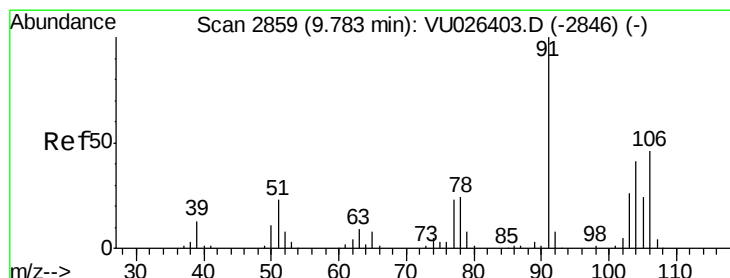
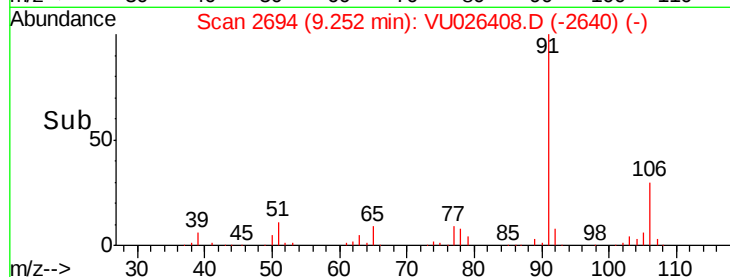
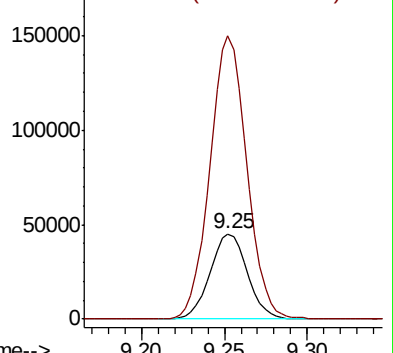
106 100

91 330.6 148.4 275.6#



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 3.051 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026408.D

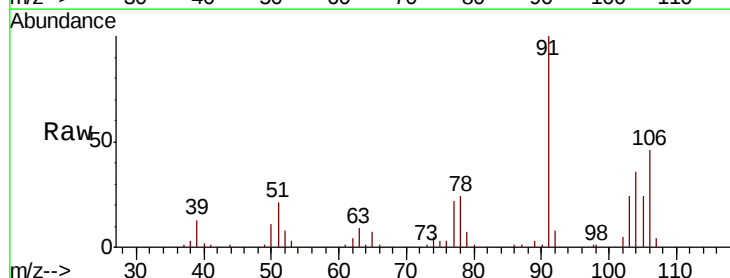
Acq: 28 Aug 2018 19:19

Tgt Ion:106 Resp: 24045

Ion Ratio Lower Upper

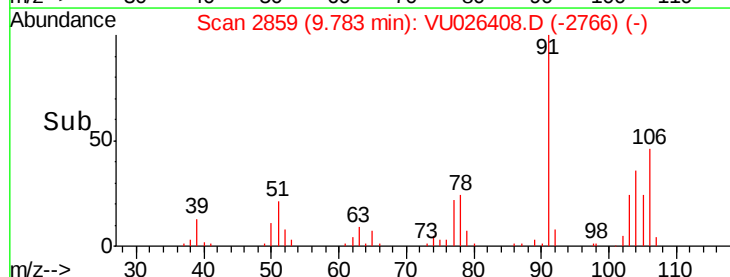
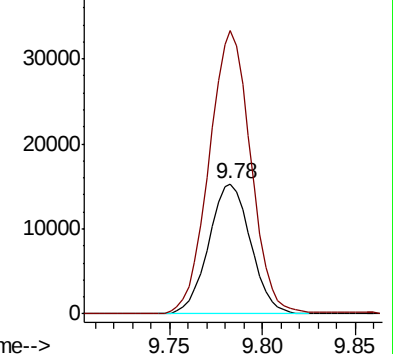
106 100

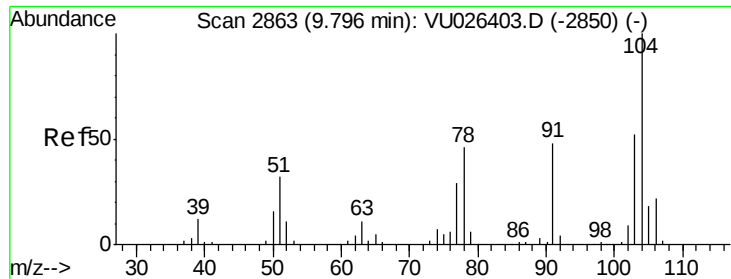
91 217.2 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Stvrene

Concen: 3.045 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

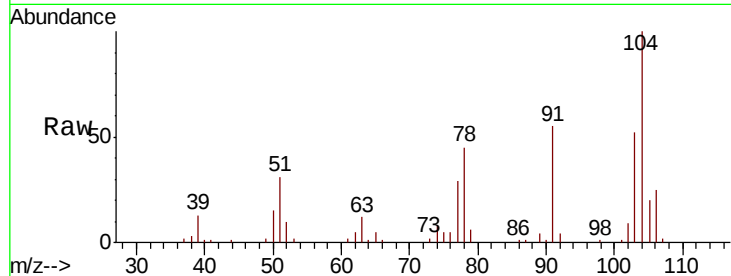
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:104 Resp: 42028

Ion Ratio Lower Upper

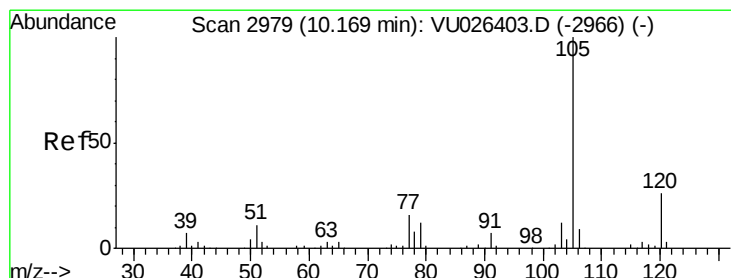
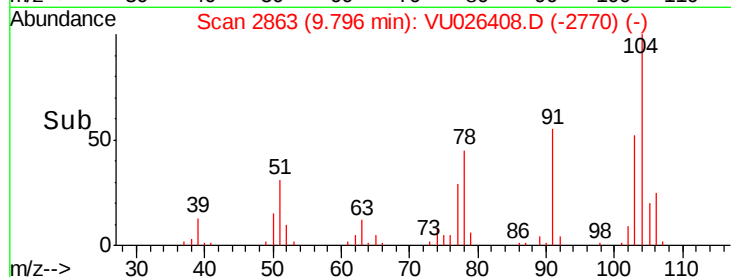
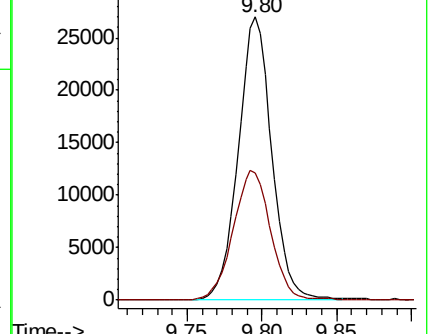
104 100

78 45.0 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



#56

Isopropylbenzene

Concen: 7.401 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

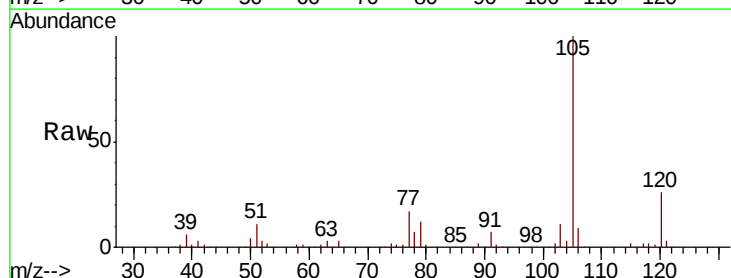
Tgt Ion:105 Resp: 155128

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

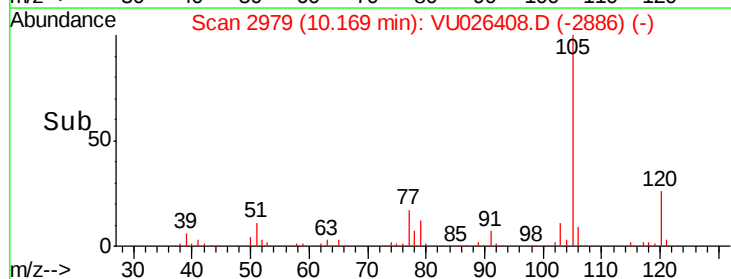
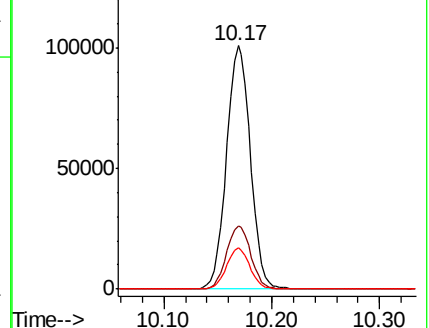
77 16.5 13.4 20.2

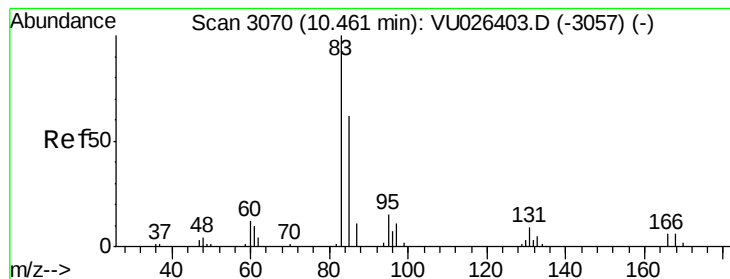


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 4.755 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU026408.D

Acq: 28 Aug 2018 19:19

Instrument :

MSVOA_U

ClientSampleId :

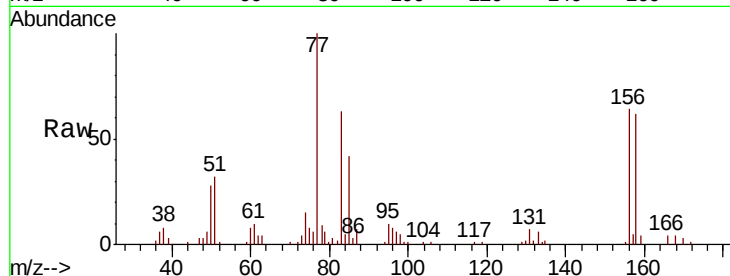
Tot Ion: 83 Resp: 22730

Ion Ratio Lower Upper

83 100

85 67.3 44.1 81.9

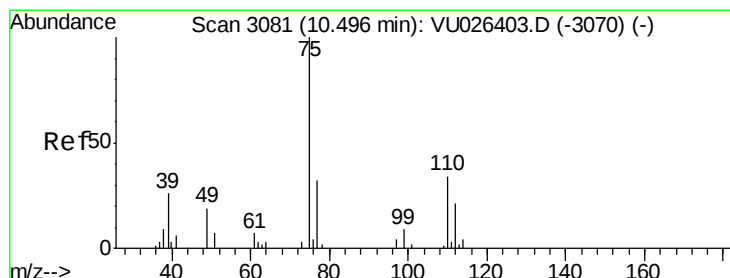
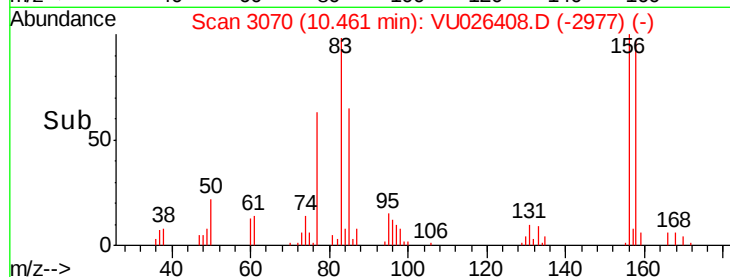
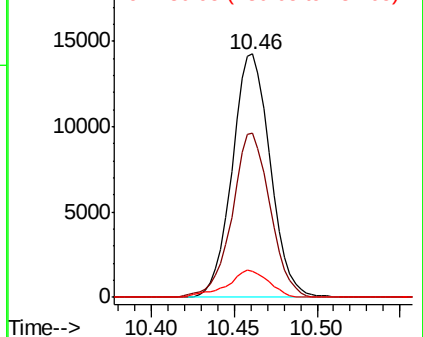
131 10.6 7.3 10.9



Abundance Ion 82.95 (82.65 to 83.65): VU026408.D (-2977) (-)

Ion 85.00 (84.70 to 85.70): VU026408.D (-2977) (-)

Ion 130.95 (130.65 to 131.65): VU026408.D (-2977) (-)



#59

1,2,3-Trichloropropane

Concen: 1.071 ug/L

RT: 10.45 min Scan# 3068

Delta R.T. -0.04 min

Lab File: VU026408.D

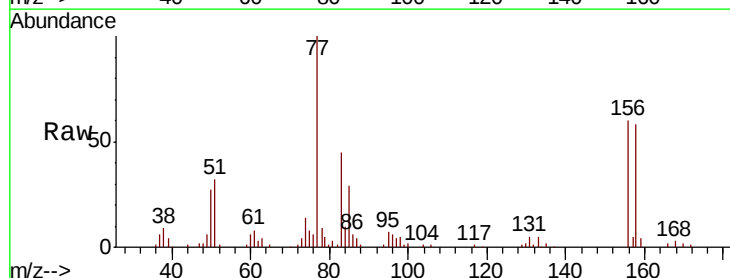
Acq: 28 Aug 2018 19:19

Tgt Ion: 75 Resp: 3599

Ion Ratio Lower Upper

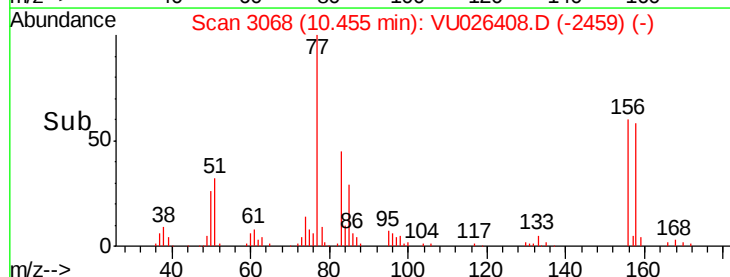
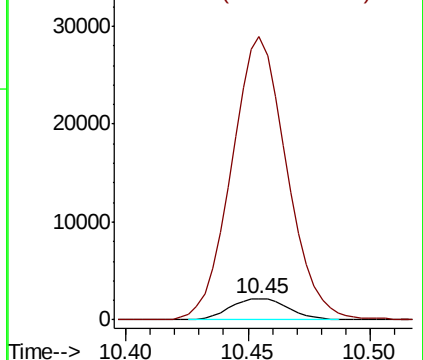
75 100

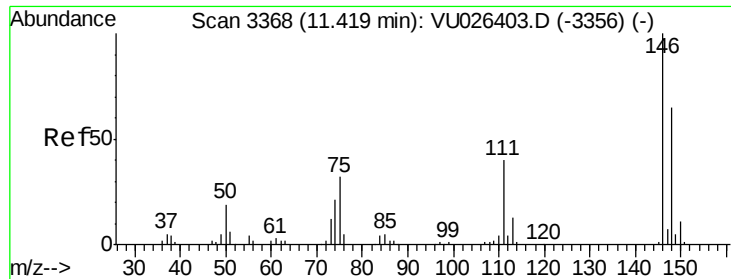
77 1263.4 25.0 37.4#



Abundance Ion 75.00 (74.70 to 75.70): VU026408.D (-2459) (-)

Ion 77.00 (76.70 to 77.70): VU026408.D (-2459) (-)

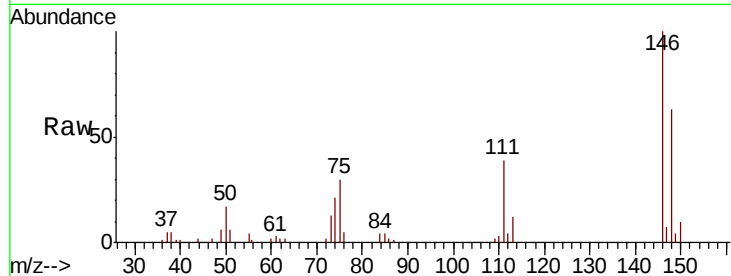




#62
 1,3-Dichlorobenzene
 Concen: 2.117 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026408.D
 Acq: 28 Aug 2018 19:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	28.1	52.1
148	62.6	45.4	84.4

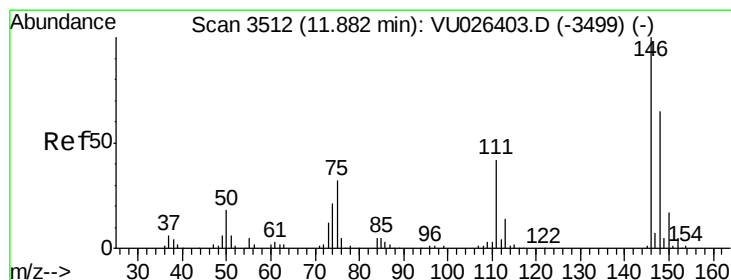
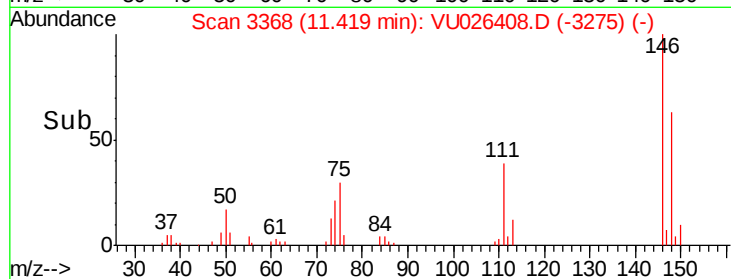
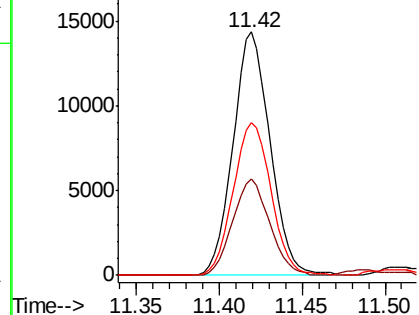


Abundance

Ion 145.95 (145.65 to 146.65): V

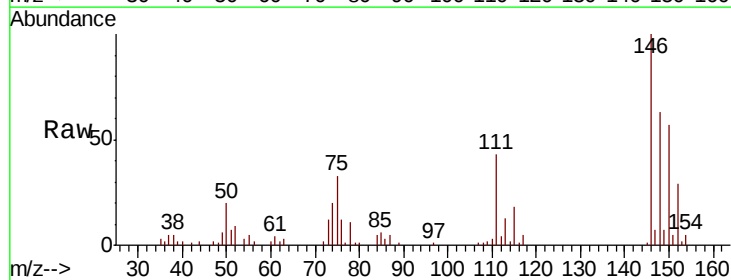
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65
 1,2-Dichlorobenzene
 Concen: 2.056 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026408.D
 Acq: 28 Aug 2018 19:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	33.7	50.5
148	63.2	51.9	77.9



Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

