

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026422.D
 Acq On : 29 Aug 2018 14:32
 Operator : MD/SY
 Sample : VSTD00547
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 01:56:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 01:55:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	140577	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	135923	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	62977	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	4208	4.83	ug/L	0.00
7) Chloroethane-d5	1.68	69	3821	4.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	9882	5.04	ug/L	0.00
21) 2-Butanone-d5	4.19	46	5857	8.66	ug/L	0.00
24) Chloroform-d	4.65	84	8083	4.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	5531	5.05	ug/L	0.00
32) Benzene-d6	5.35	84	14538	4.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	5116	4.75	ug/L	0.00
41) Toluene-d8	7.57	98	13490	4.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2054	4.18	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	3442	6.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	7172	4.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	5476	4.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5557	5.070 ug/L	96
3) Chloromethane	1.33	50	6882	5.085 ug/L	97
5) Vinyl chloride	1.40	62	7278	4.960 ug/L	96
6) Bromomethane	1.63	94	4072	4.681 ug/L	100
8) Chloroethane	1.70	64	4472	5.076 ug/L	94
9) Trichlorofluoromethane	1.89	101	9706	5.202 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5370	5.158 ug/L	100
12) 1,1-Dichloroethene	2.28	96	5010	4.993 ug/L	91
13) Acetone	2.32	43	6224	10.633 ug/L	98
14) Carbon disulfide	2.48	76	14484	5.101 ug/L	100
15) Methyl Acetate	2.62	43	5714	4.971 ug/L	95
16) Methylene chloride	2.70	84	5457	5.290 ug/L	88
17) trans-1,2-Dichloroethene	2.98	96	4462	4.916 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	12855	4.666 ug/L	99
19) 1,1-Dichloroethane	3.45	63	8783	4.925 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	4642	4.566 ug/L	88
22) 2-Butanone	4.27	43	6874	8.737 ug/L	95
23) Bromochloromethane	4.55	128	2430	4.639 ug/L	94
25) Chloroform	4.68	83	9041	4.964 ug/L	100
27) 1,2-Dichloroethane	5.41	62	7145	4.864 ug/L	98
29) Cyclohexane	5.00	56	6398	4.320 ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	7588	5.073 ug/L	97
31) Carbon tetrachloride	5.14	117	6804	5.006 ug/L	99
33) Benzene	5.39	78	18827	4.831 ug/L	100
34) Trichloroethene	6.19	95	4747	4.857 ug/L	96
35) Methylcyclohexane	6.42	83	6411	4.201 ug/L	92
37) 1,2-Dichloropropane	6.43	63	5142	4.767 ug/L	# 97
38) Bromodichloromethane	6.76	83	6685	4.859 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	6522	4.243 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	11736	8.067 ug/L	97

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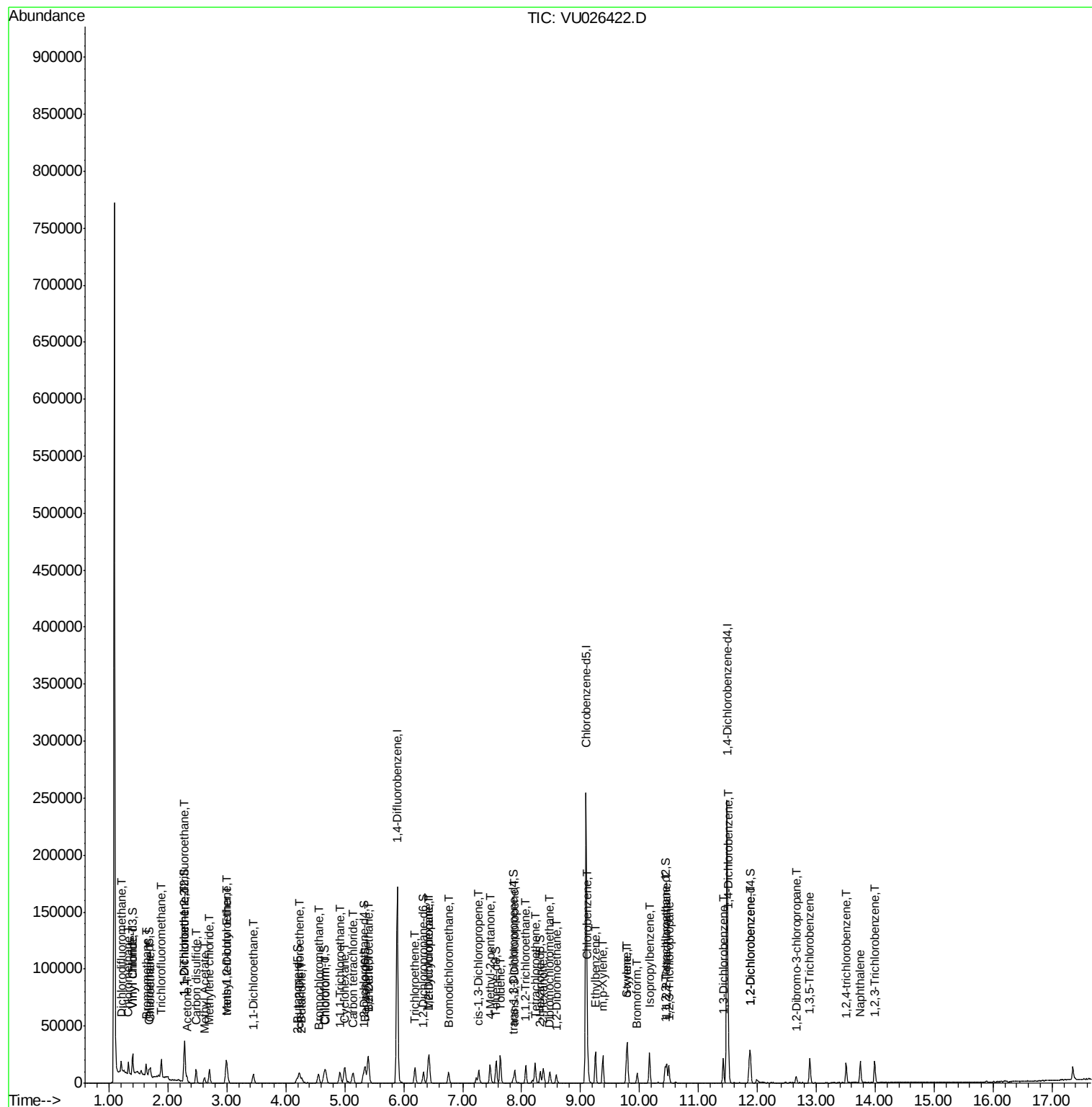
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	18261	4.491	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	6324	4.316	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	4958	5.017	ug/L	95
46) Tetrachloroethene	8.23	164	3973	4.972	ug/L	97
48) 2-Hexanone	8.37	43	8937	7.800	ug/L	96
49) Dibromochloromethane	8.48	129	5250	4.715	ug/L	99
50) 1,2-Dibromoethane	8.59	107	4910	4.666	ug/L	98
51) Chlorobenzene	9.12	112	13524	4.974	ug/L	99
52) Ethylbenzene	9.25	91	18837	4.260	ug/L	99
53) m,p-Xylene	9.38	106	6772	4.101	ug/L	93
54) o-xylene	9.78	106	6422	3.988	ug/L	99
55) Styrene	9.80	104	10351	3.680	ug/L	97
56) Isopropylbenzene	10.17	105	16588	3.935	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	7992	4.591	ug/L	96
59) 1,2,3-Trichloropropane	10.50	75	6136	4.558	ug/L	99
61) Bromoform	9.96	173	3848	4.951	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	8873	4.815	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	9805	5.030	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	9563	4.920	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.66	75	1651	5.051	ug/L	88
67) 1,3,5-Trichlorobenzene	12.89	180	7019	4.720	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	5828	4.487	ug/L	99
69) Naphthalene	13.75	128	15746	3.882	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	6522	4.573	ug/L	99

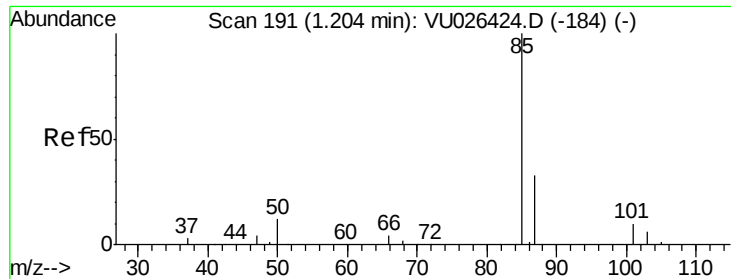
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.070 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

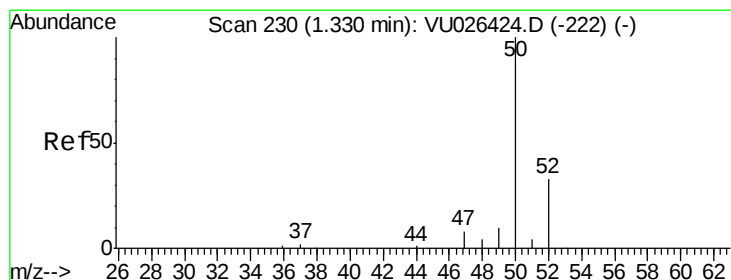
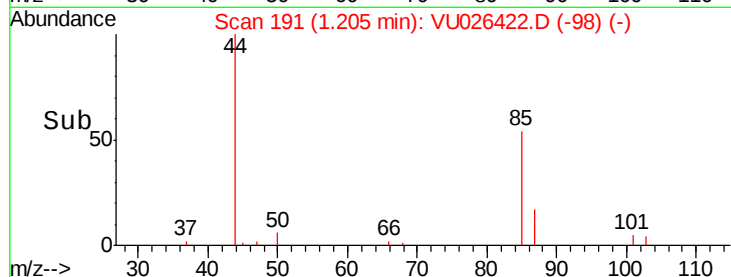
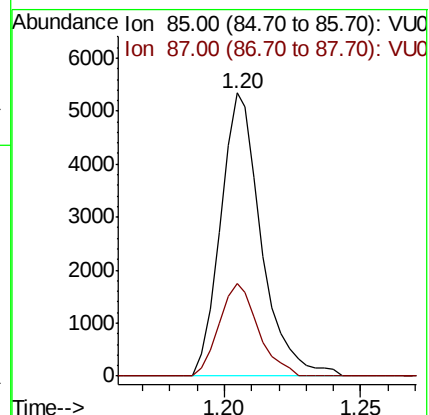
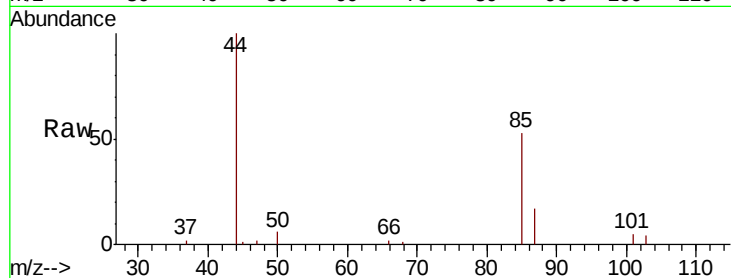
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 5557

Ion Ratio Lower Upper

85 100

87 31.2 26.6 39.8



#3

Chloromethane

Concen: 5.085 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026422.D

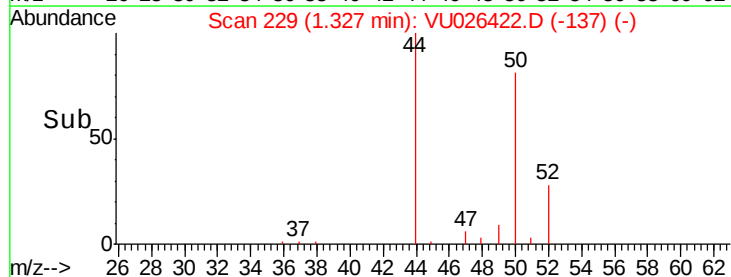
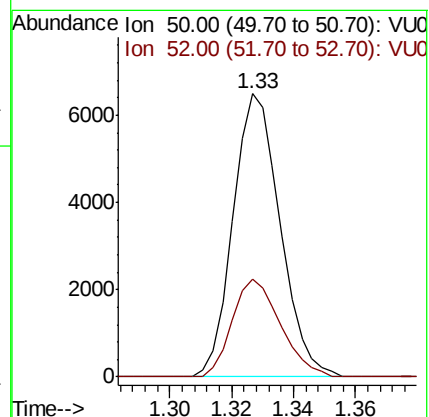
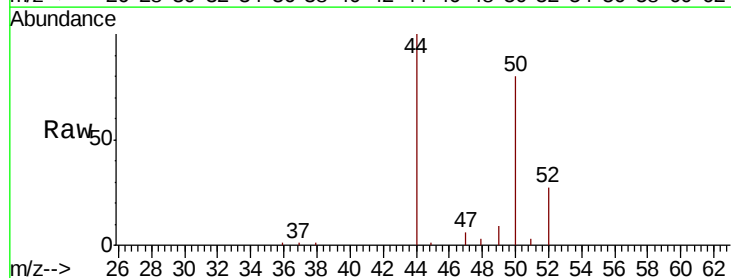
Acq: 29 Aug 2018 14:32

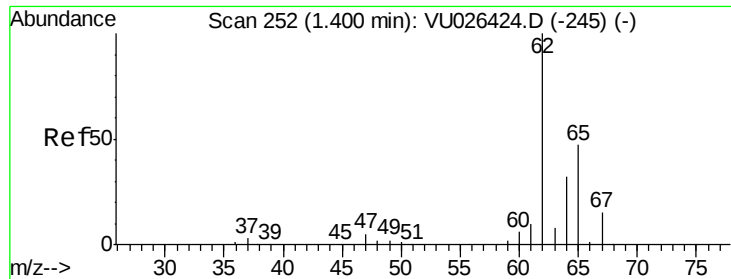
Tgt Ion: 50 Resp: 6882

Ion Ratio Lower Upper

50 100

52 34.4 23.0 42.6





#5

Vinyl chloride

Concen: 4.960 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

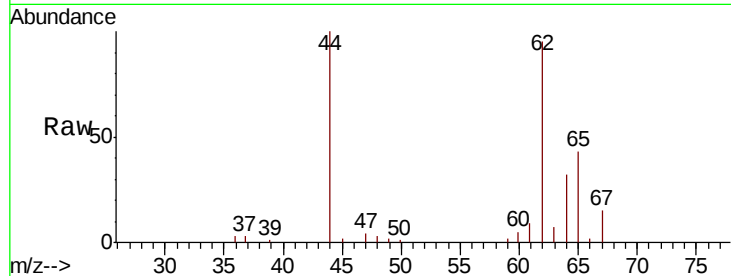
ClientSampled :

Tot Ion: 62 Resp: 7278

Ion Ratio Lower Upper

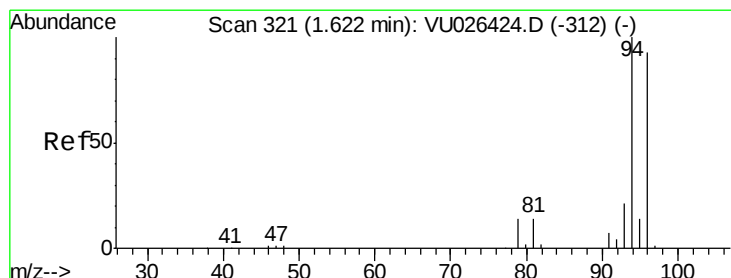
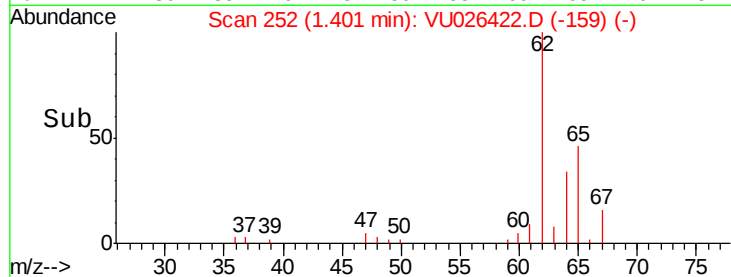
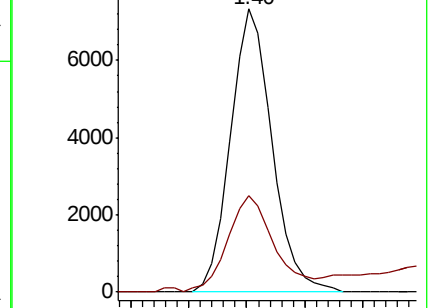
62 100

64 34.0 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 4.681 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU026422.D

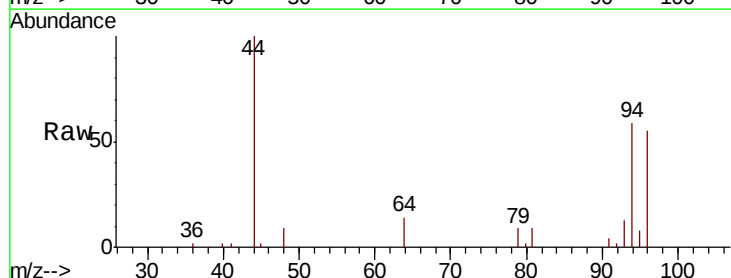
Acq: 29 Aug 2018 14:32

Tgt Ion: 94 Resp: 4072

Ion Ratio Lower Upper

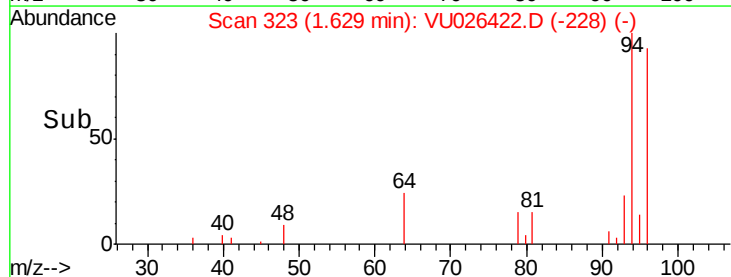
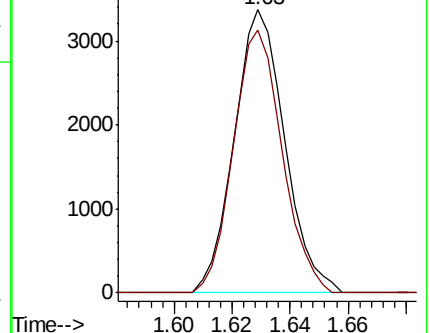
94 100

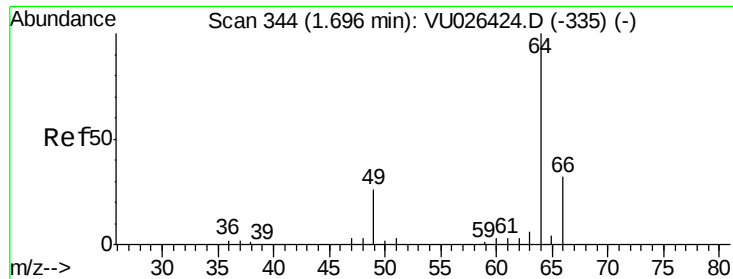
96 93.0 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.076 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

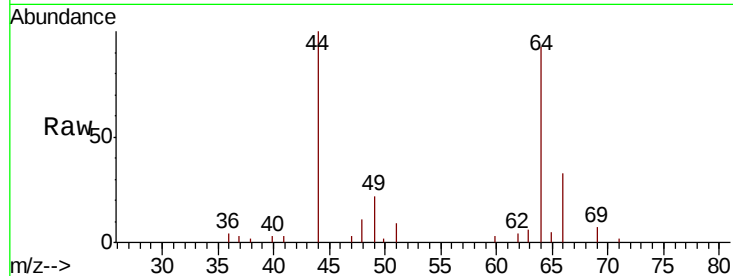
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 4472

Ion Ratio Lower Upper

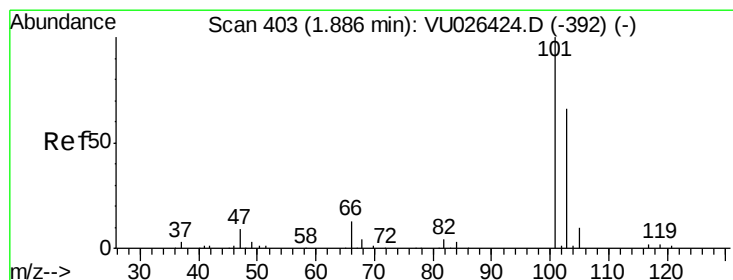
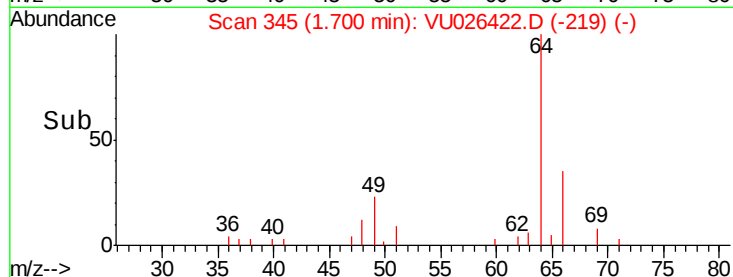
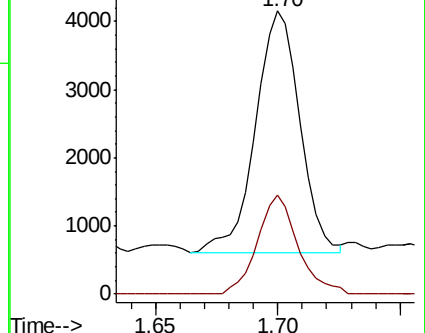
64 100

66 34.8 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026422.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VU026422.D (-335) (-)



#9

Trichlorofluoromethane

Concen: 5.202 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026422.D

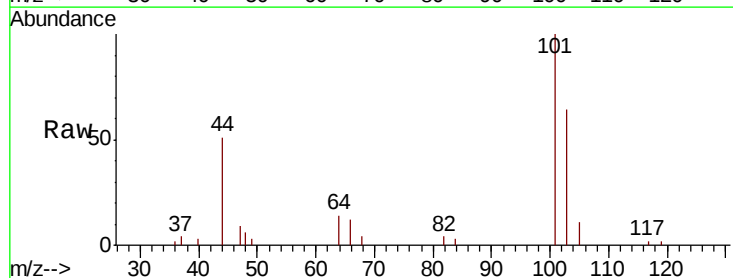
Acq: 29 Aug 2018 14:32

Tgt Ion: 101 Resp: 9706

Ion Ratio Lower Upper

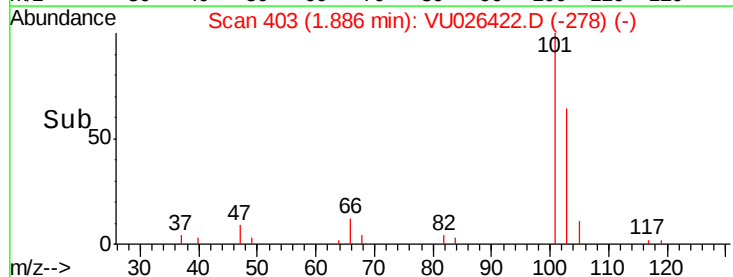
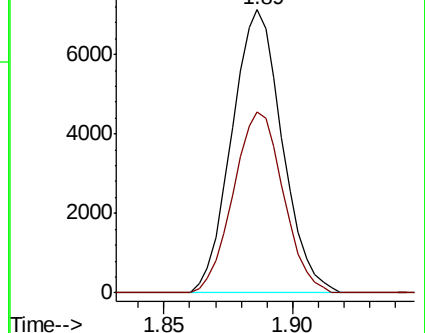
101 100

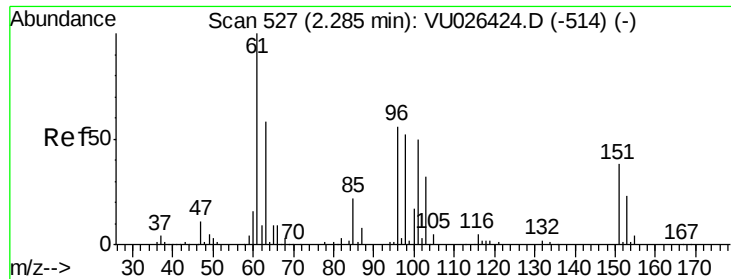
103 63.4 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026422.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026422.D (-392) (-)





#10

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

Concen: 5.158 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

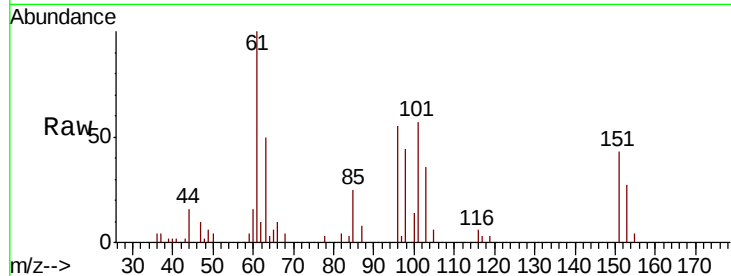
Tot Ion:101 Resp: 5370

Ion Ratio Lower Upper

101 100

85 44.2 35.3 52.9

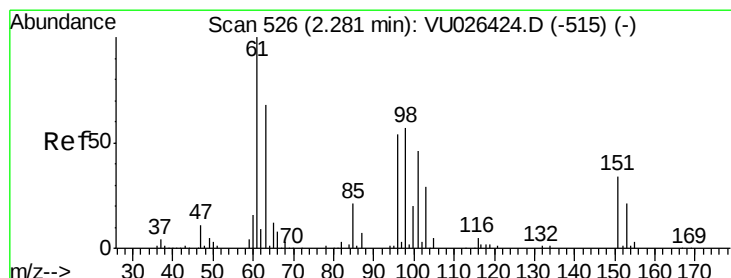
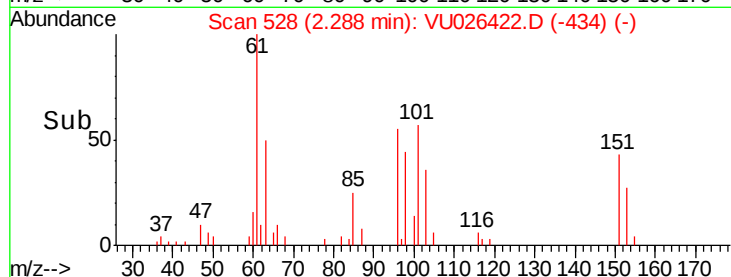
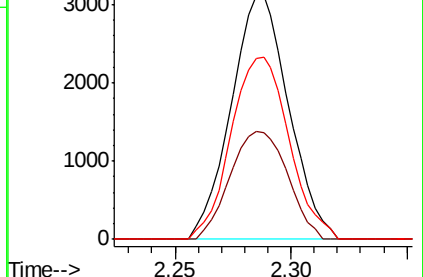
151 75.4 60.7 91.1



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



#12

1,1-Dichloroethene

Concen: 4.993 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

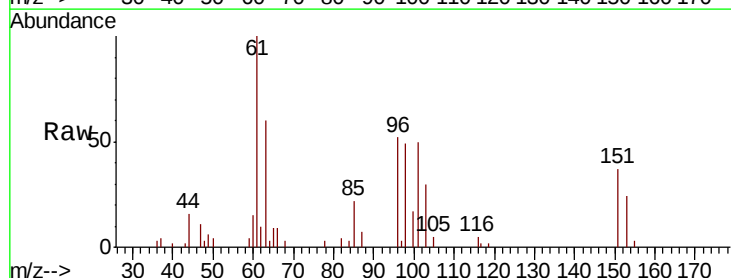
Tgt Ion: 96 Resp: 5010

Ion Ratio Lower Upper

96 100

61 192.8 129.3 240.1

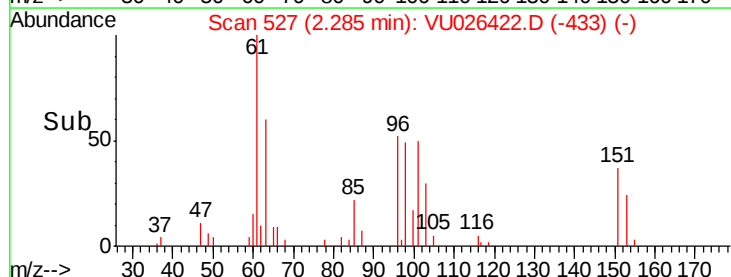
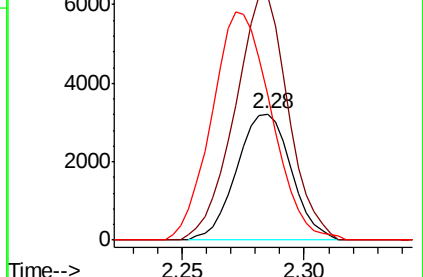
63 115.0 91.7 170.3

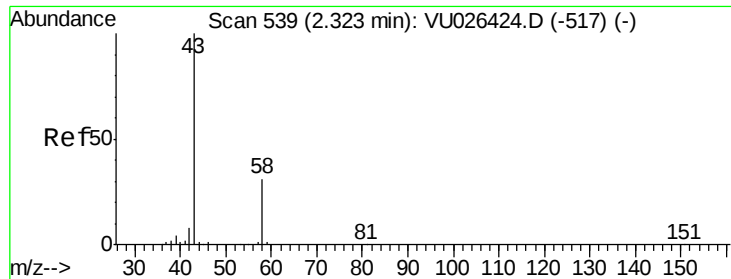


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.633 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

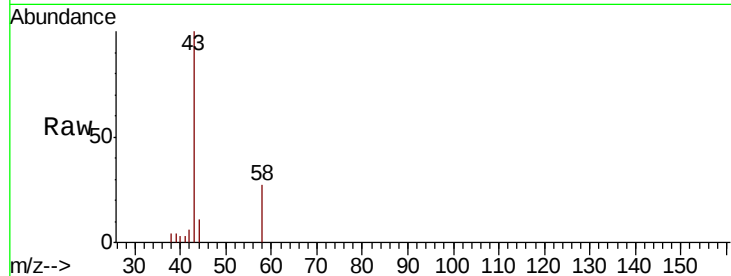
ClientSampleId :

Tot Ion: 43 Resp: 6224

Ion Ratio Lower Upper

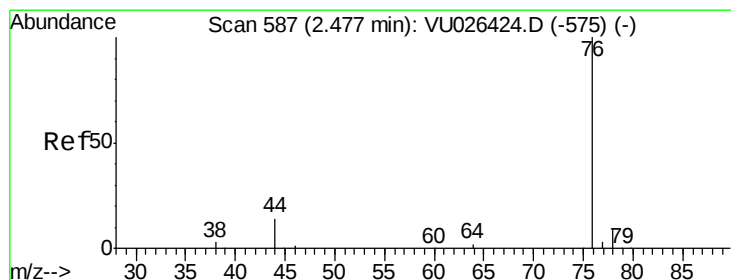
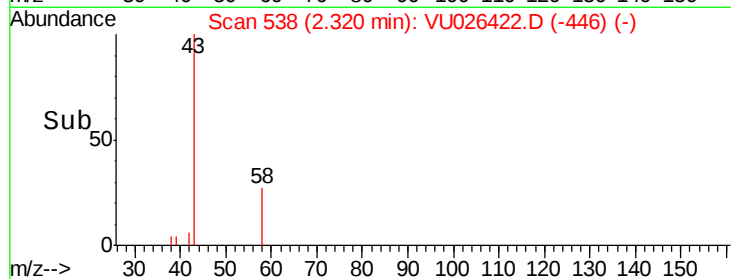
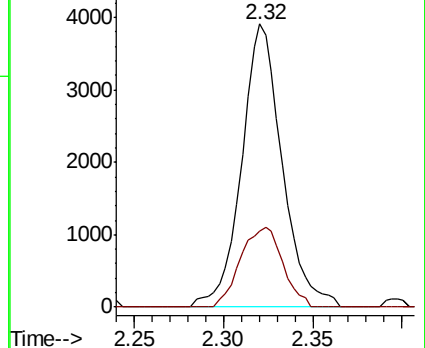
43 100

58 29.3 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 5.101 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026422.D

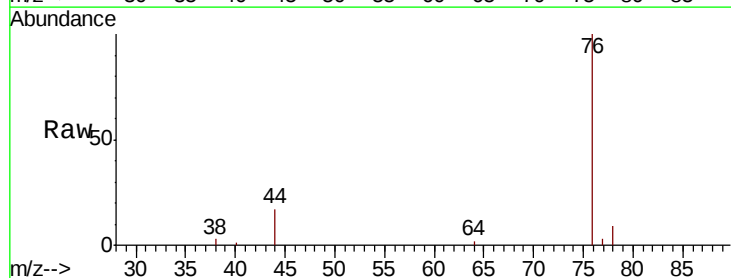
Acq: 29 Aug 2018 14:32

Tgt Ion: 76 Resp: 14484

Ion Ratio Lower Upper

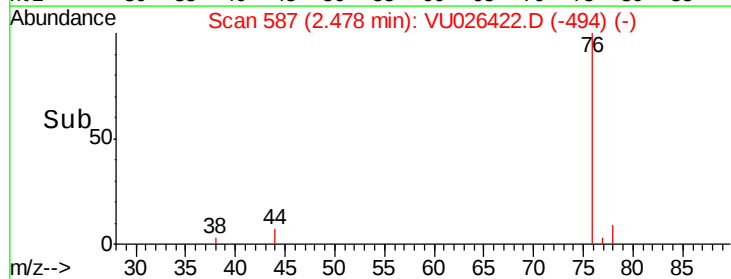
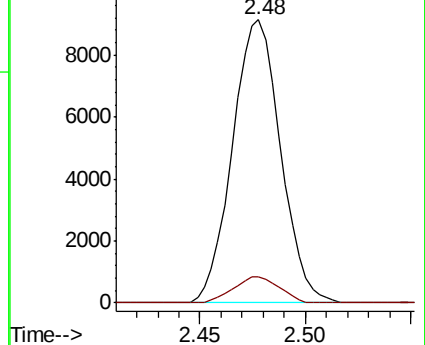
76 100

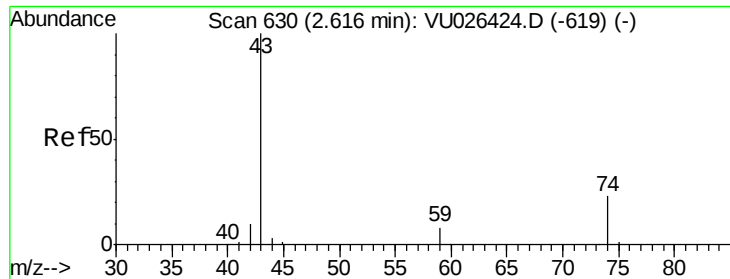
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

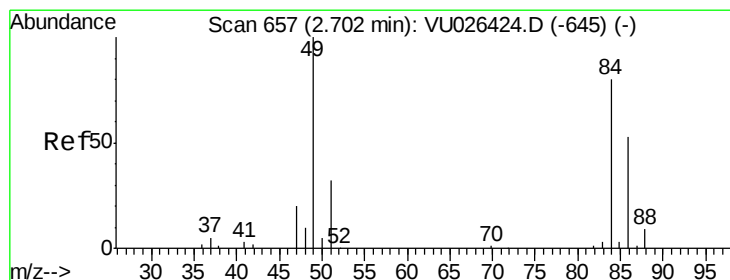
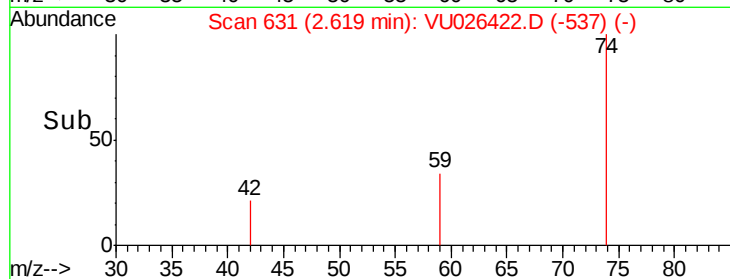
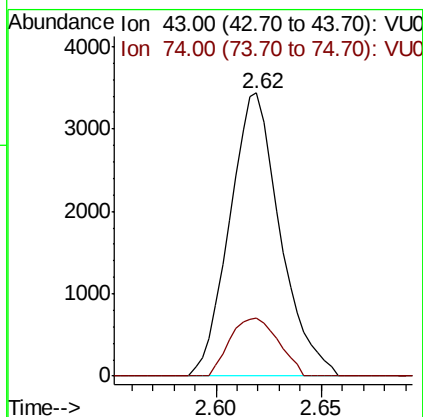
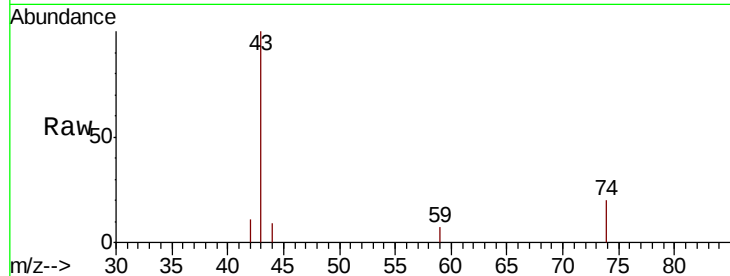




#15
Methyl Acetate
Concen: 4.971 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU026422.D
Acq: 29 Aug 2018 14:32

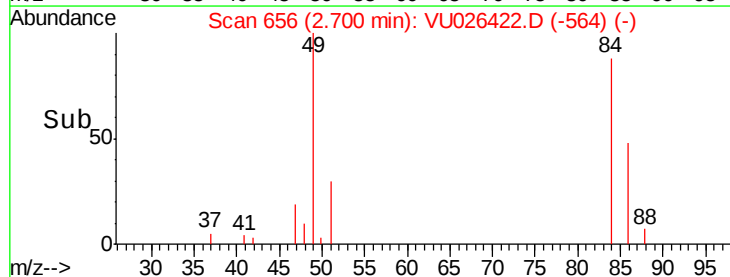
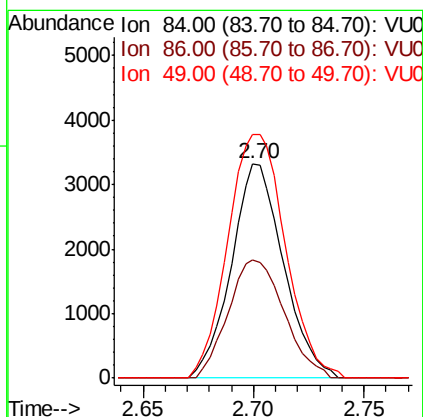
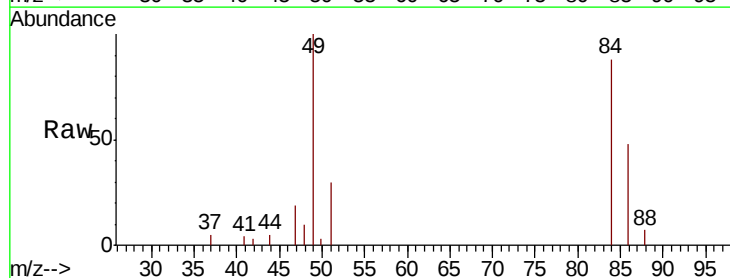
Instrument :
MSVOA_U
ClientSampleId :

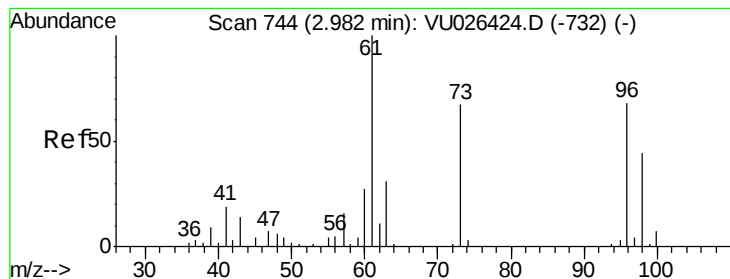
Tot Ion: 43 Resp: 5714
Ion Ratio Lower Upper
43 100
74 19.7 17.8 26.6



#16
Methylene chloride
Concen: 5.290 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026422.D
Acq: 29 Aug 2018 14:32

Tgt Ion: 84 Resp: 5457
Ion Ratio Lower Upper
84 100
86 55.1 46.2 85.8
49 113.6 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 4.916 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

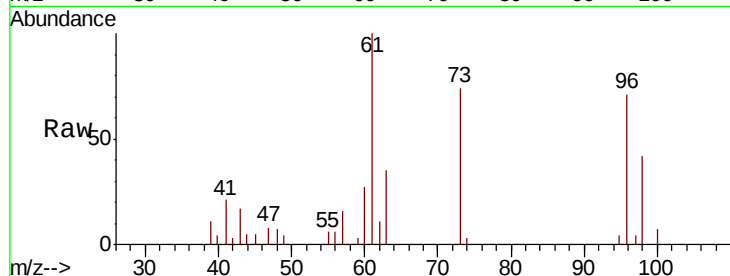
Tot Ion: 96 Resp: 4462

Ion Ratio Lower Upper

96 100

61 141.1 103.2 191.6

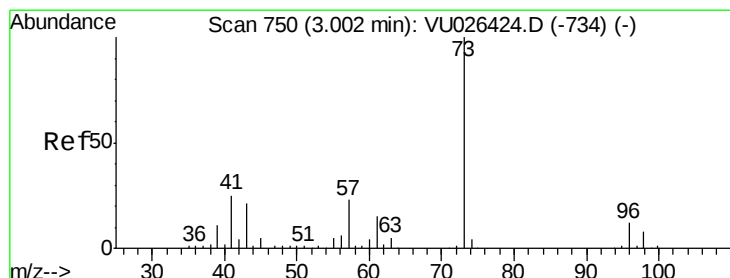
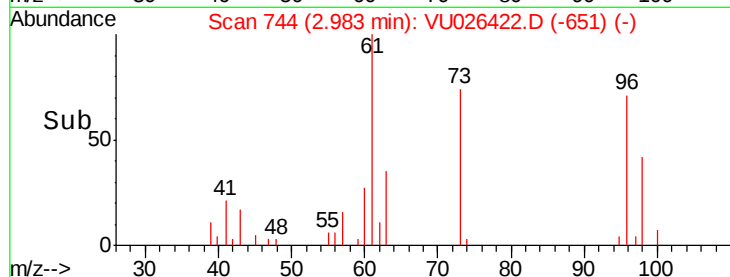
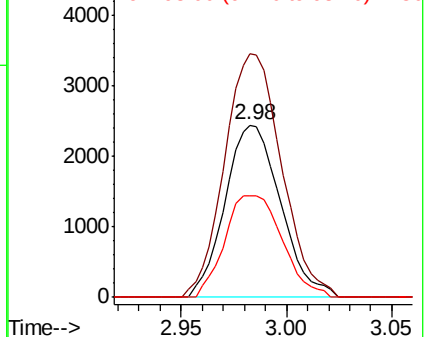
98 59.0 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 4.666 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

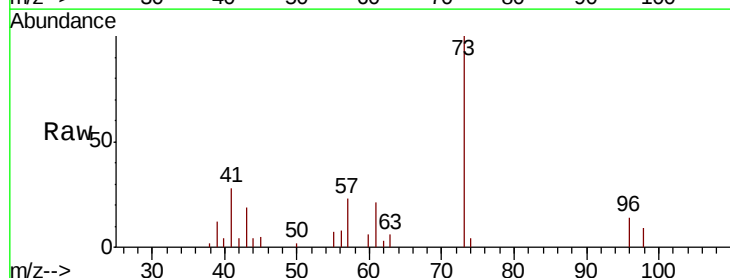
Tgt Ion: 73 Resp: 12855

Ion Ratio Lower Upper

73 100

43 21.0 16.6 25.0

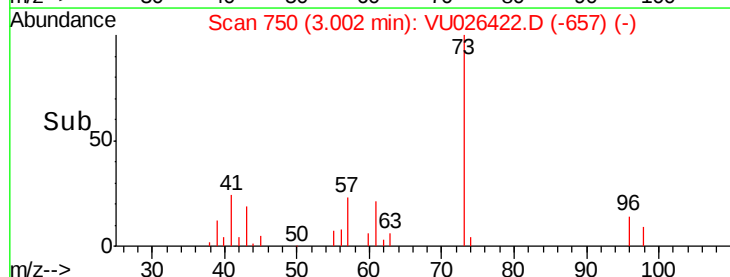
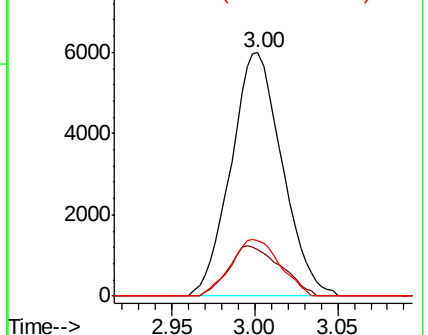
57 22.3 18.2 27.2

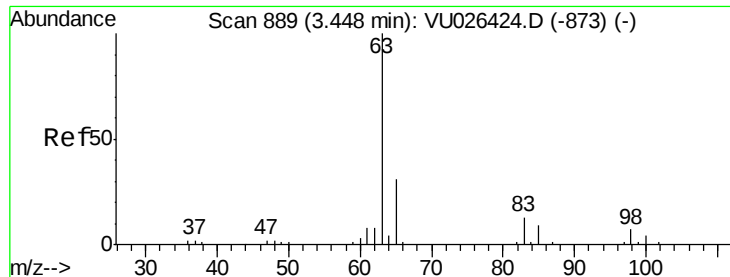


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

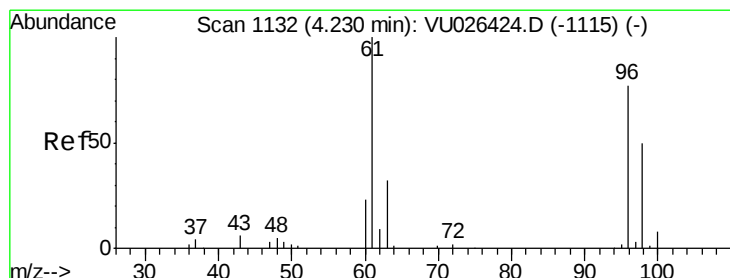
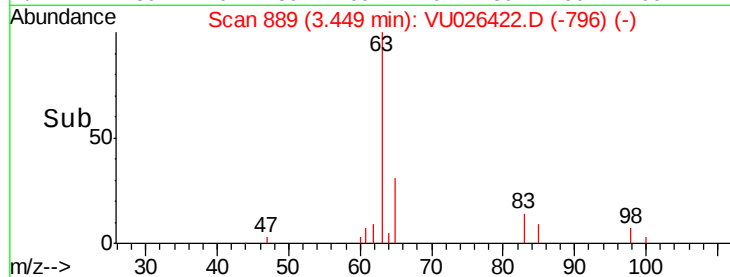
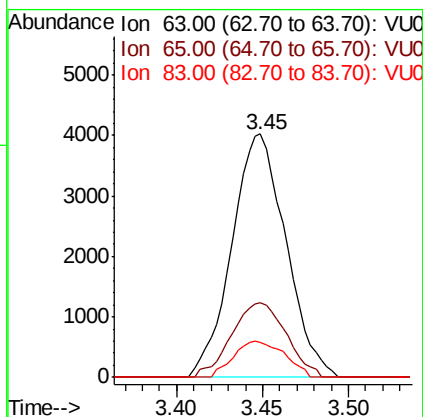
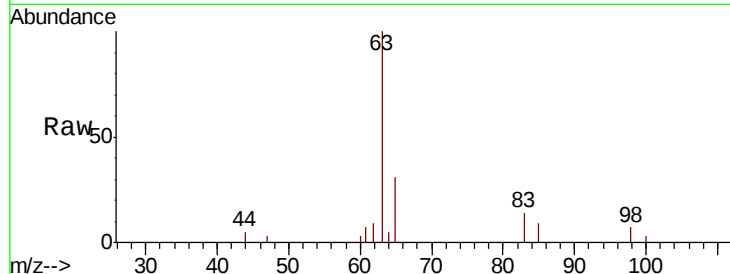




#19
 1,1-Dichloroethane
 Concen: 4.925 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

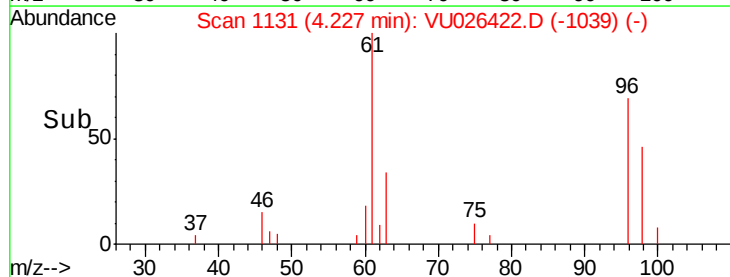
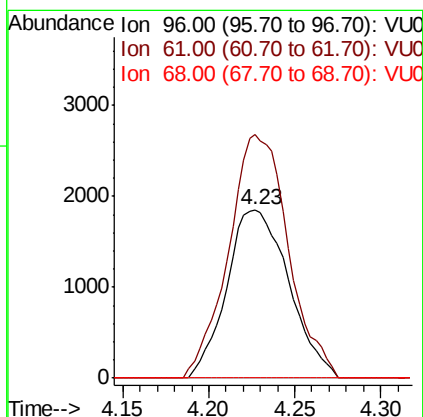
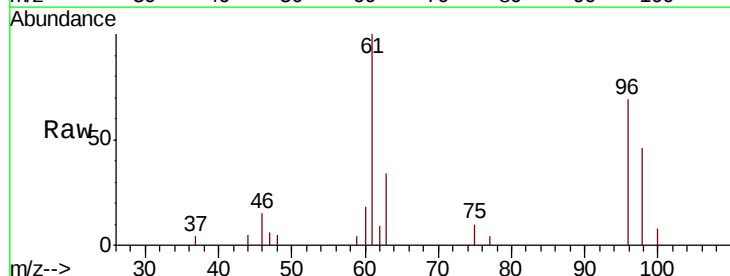
Instrument :
 MSVOA_U
 ClientSampled :

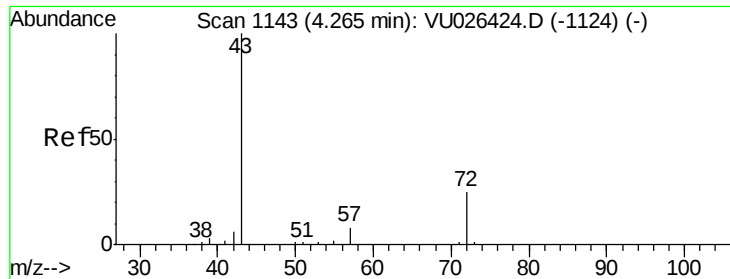
Tot Ion: 63 Resp: 8783
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.6 40.2
 83 14.4 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 4.566 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Tgt Ion: 96 Resp: 4642
 Ion Ratio Lower Upper
 96 100
 61 144.4 91.6 170.2
 68 0.0 0.0 0.0

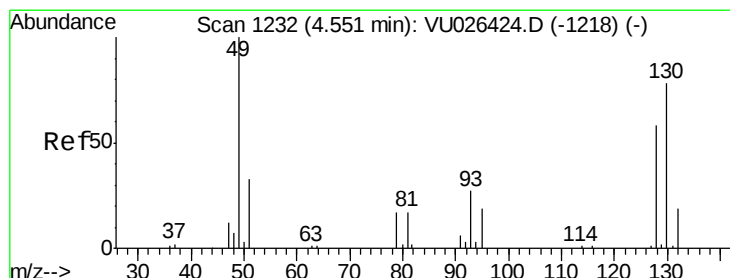
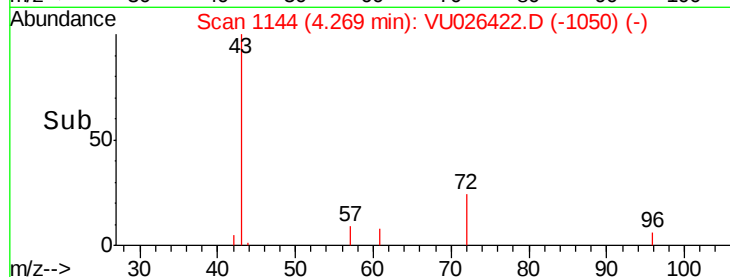
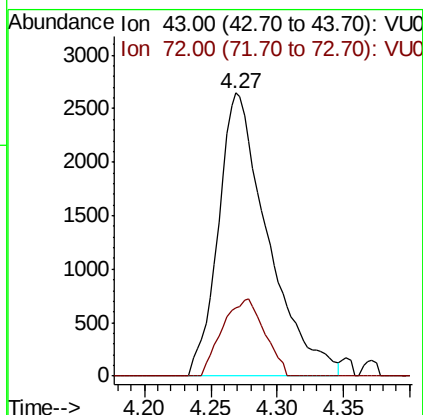
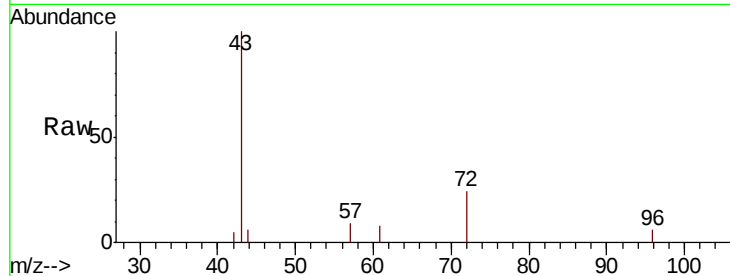




#22
2-Butanone
Concen: 8.737 ug/L
RT: 4.27 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU026422.D
Acq: 29 Aug 2018 14:32

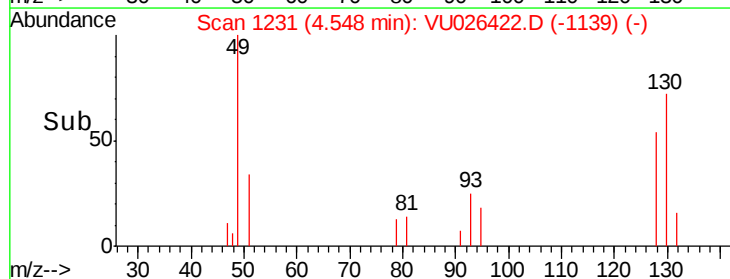
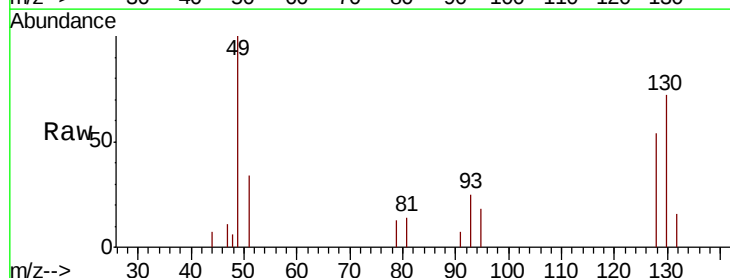
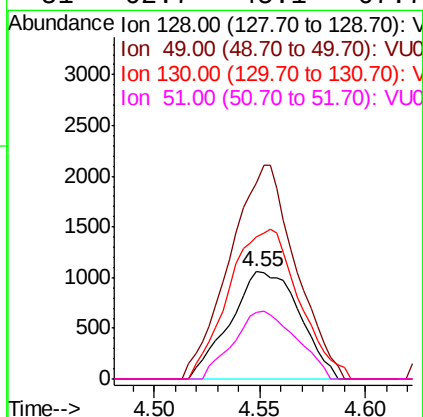
Instrument :
MSVOA_U
ClientSampleId :

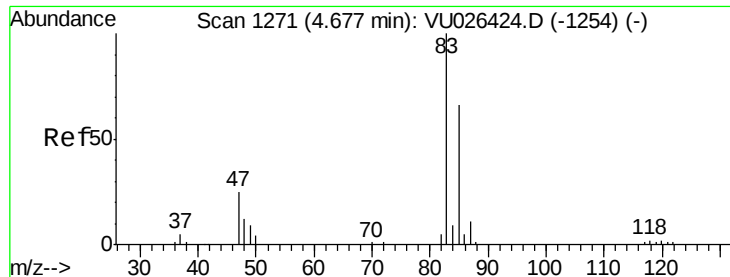
Tot Ion: 43 Resp: 6874
Ion Ratio Lower Upper
43 100
72 23.2 13.0 38.9



#23
Bromochloromethane
Concen: 4.639 ug/L
RT: 4.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU026422.D
Acq: 29 Aug 2018 14:32

Tgt Ion:128 Resp: 2430
Ion Ratio Lower Upper
128 100
49 183.5 121.2 225.0
130 132.4 94.1 174.7
51 62.7 45.1 67.7

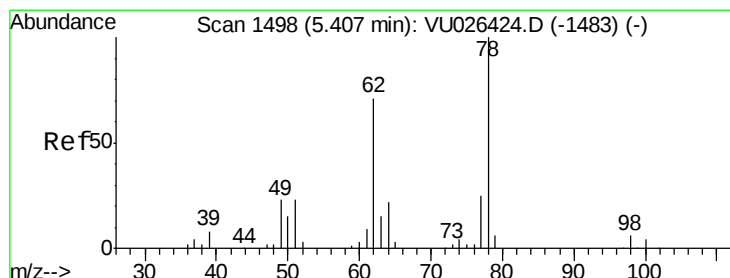
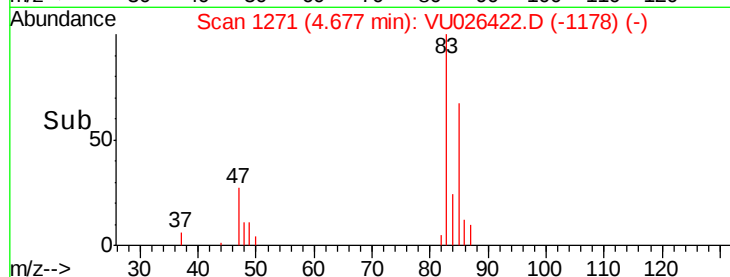
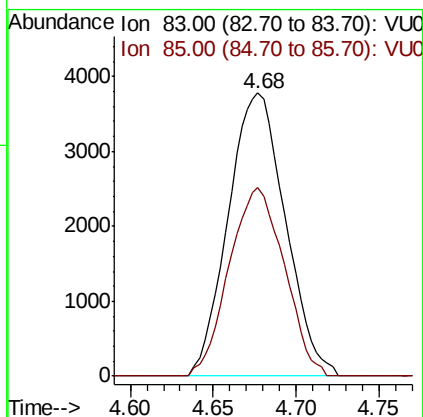
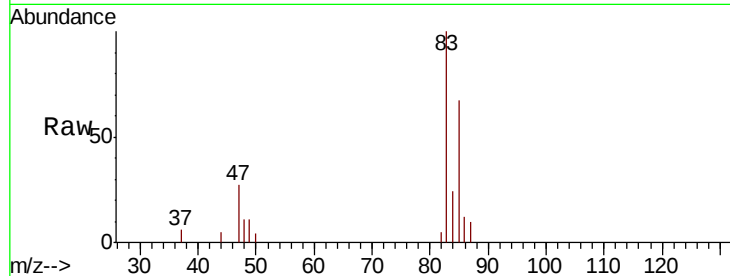




#25
Chloroform
Concen: 4.964 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026422.D
Acq: 29 Aug 2018 14:32

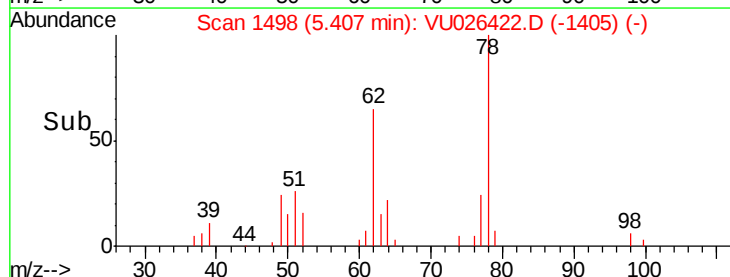
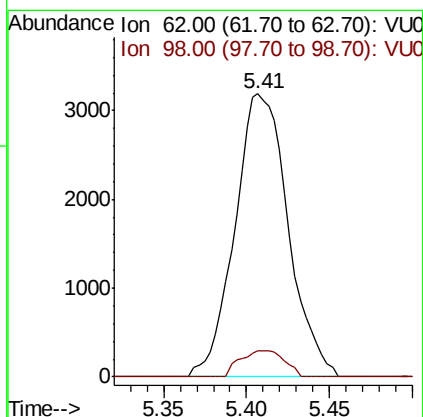
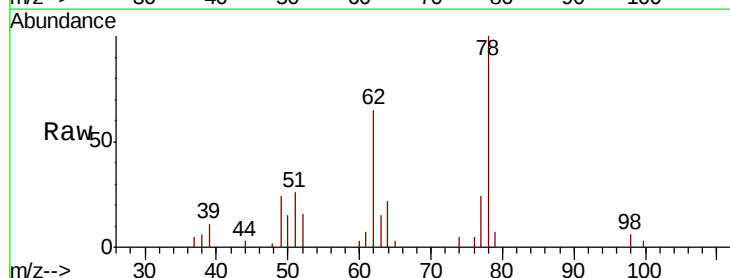
Instrument :
MSVOA_U
ClientSampled :

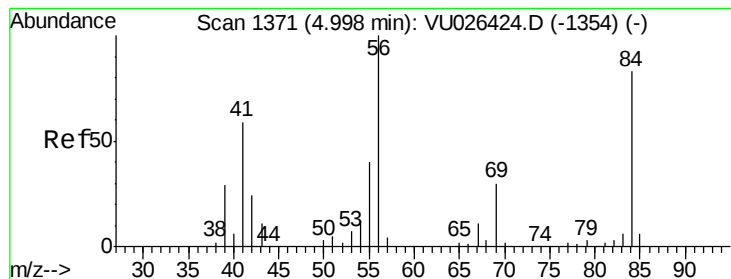
Tot Ion: 83 Resp: 9041
Ion Ratio Lower Upper
83 100
85 66.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 4.864 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026422.D
Acq: 29 Aug 2018 14:32

Tgt Ion: 62 Resp: 7145
Ion Ratio Lower Upper
62 100
98 9.2 6.8 10.2





#29

Cyclohexane

Concen: 4.320 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :
MSVOA_U
ClientSampleId :

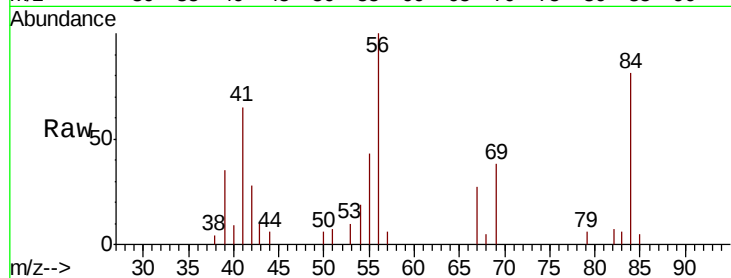
Tot Ion: 56 Resp: 6398

Ion Ratio Lower Upper

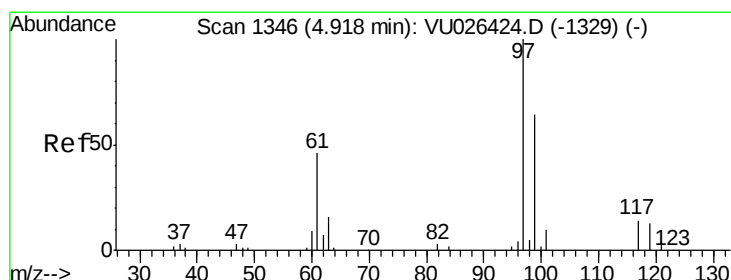
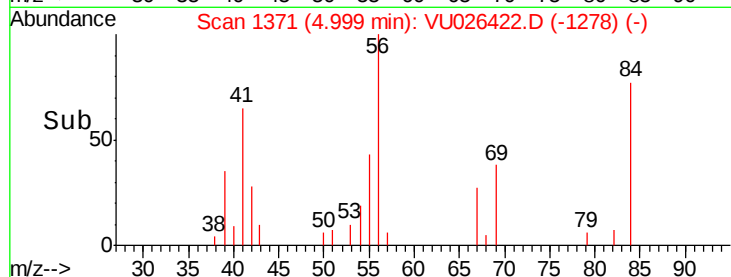
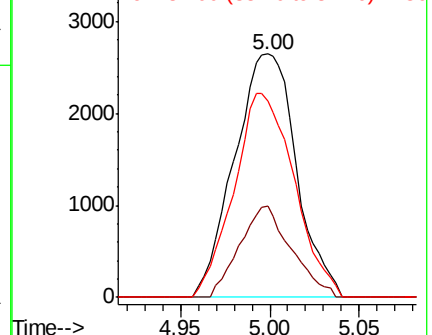
56 100

69 31.4 24.0 36.0

84 81.7 67.2 100.8



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



#30

1,1,1-Trichloroethane

Concen: 5.073 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

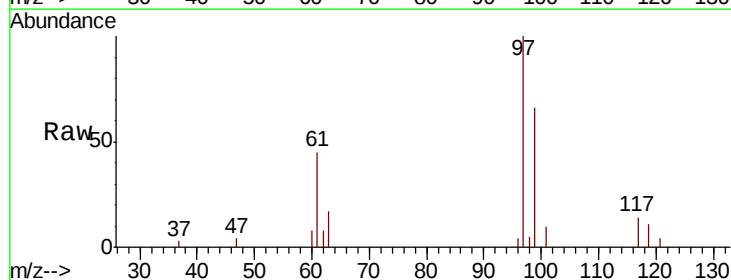
Tgt Ion: 97 Resp: 7588

Ion Ratio Lower Upper

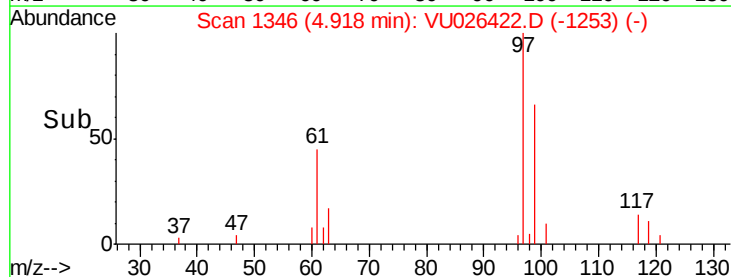
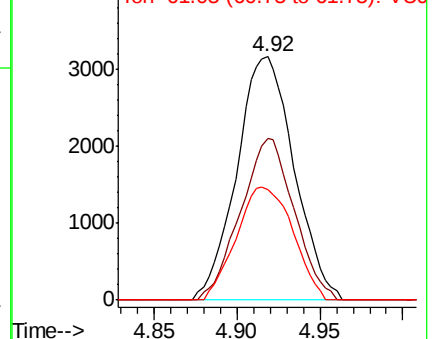
97 100

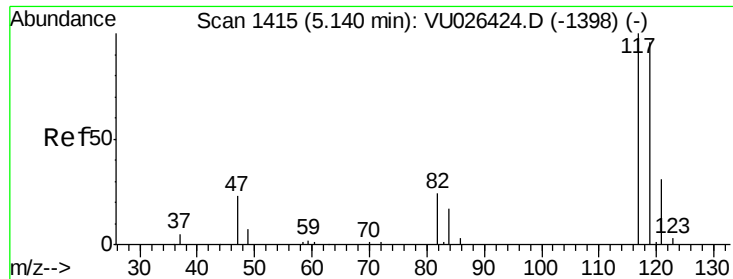
99 62.0 51.6 77.4

61 45.8 37.9 56.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 5.006 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

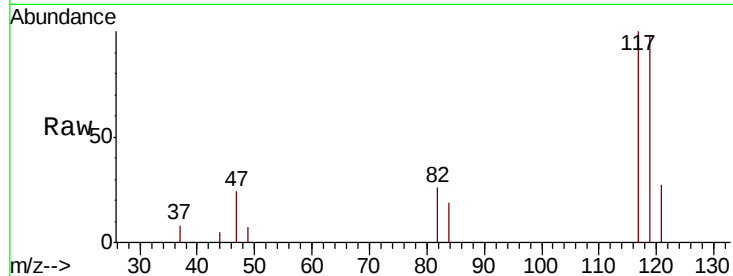
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 6804

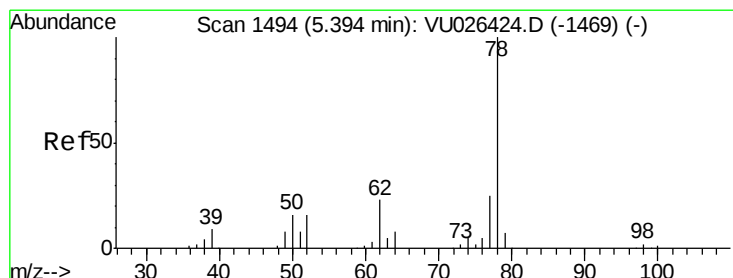
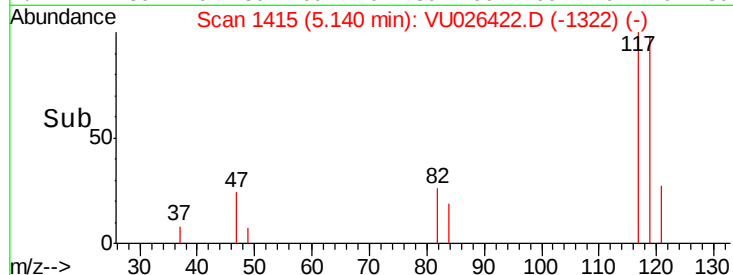
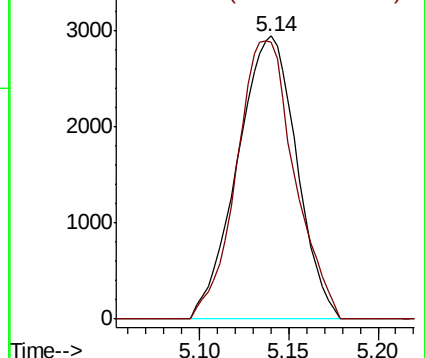
Ion Ratio Lower Upper

117 100

119 96.3 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.831 ug/L

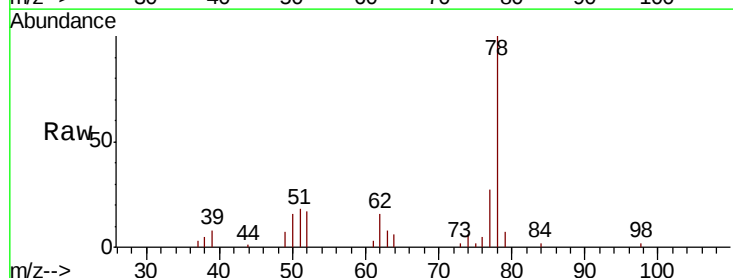
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

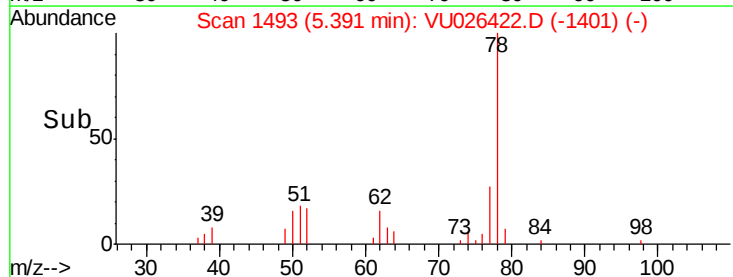
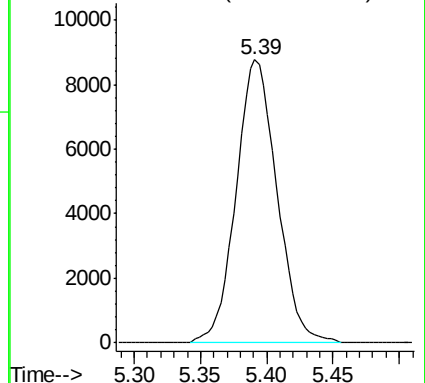
Lab File: VU026422.D

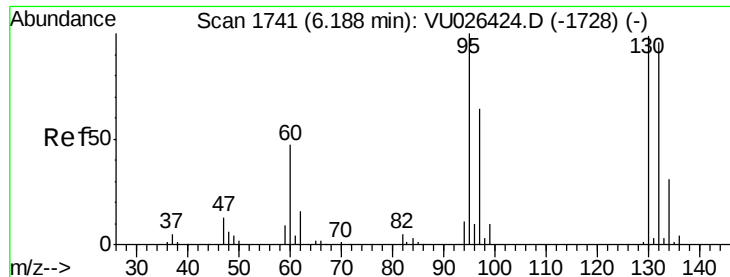
Acq: 29 Aug 2018 14:32

Tgt Ion: 78 Resp: 18827



Abundance Ion 78.00 (77.70 to 78.70): VU0

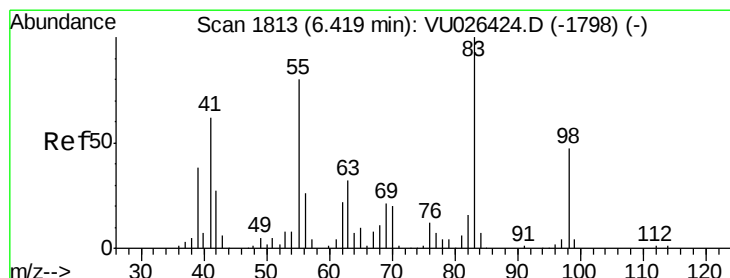
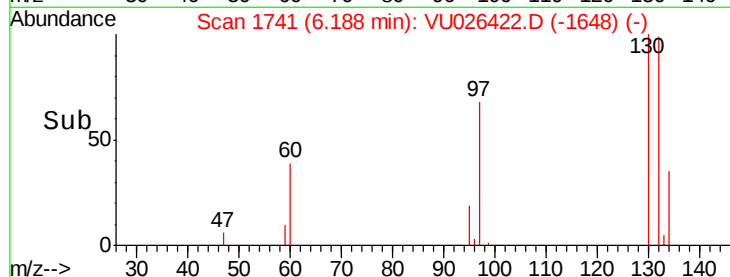
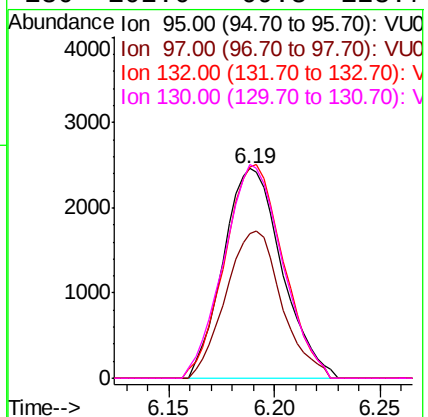
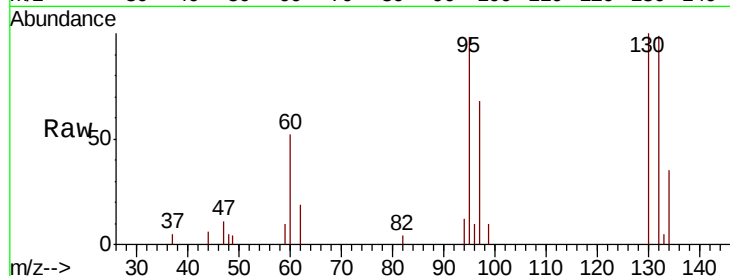




#34
 Trichloroethene
 Concen: 4.857 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

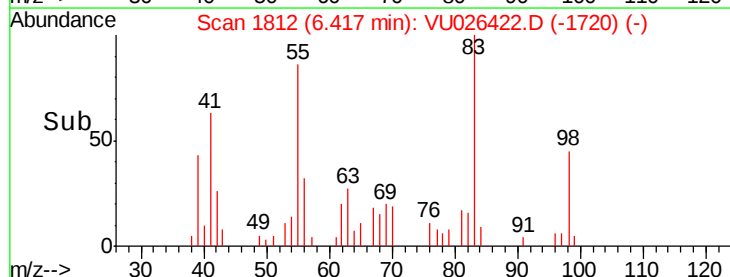
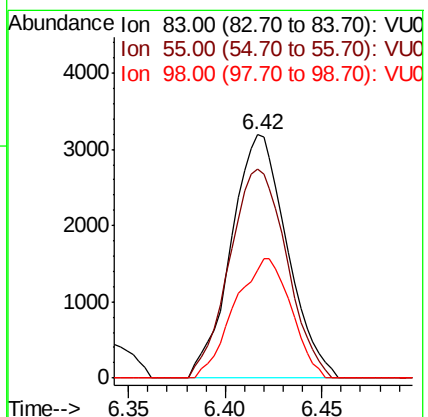
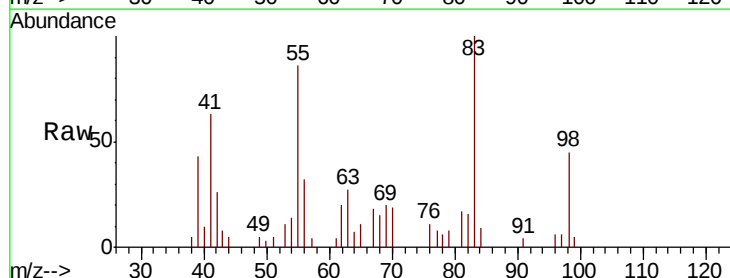
Instrument :
 MSVOA_U
 ClientSampleId :

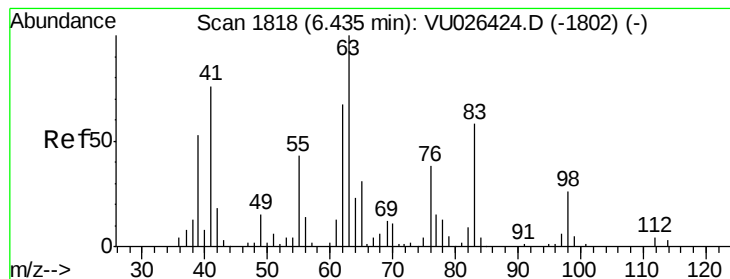
Tot Ion: 95 Resp: 4747
 Ion Ratio Lower Upper
 95 100
 97 69.0 45.1 83.7
 132 101.1 67.5 125.3
 130 102.0 69.3 128.7



#35
 Methylcyclohexane
 Concen: 4.201 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Tgt Ion: 83 Resp: 6411
 Ion Ratio Lower Upper
 83 100
 55 87.9 63.3 94.9
 98 49.5 36.7 55.1





#37

1,2-Dichloropropane

Concen: 4.767 ug/L

RT: 6.43 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

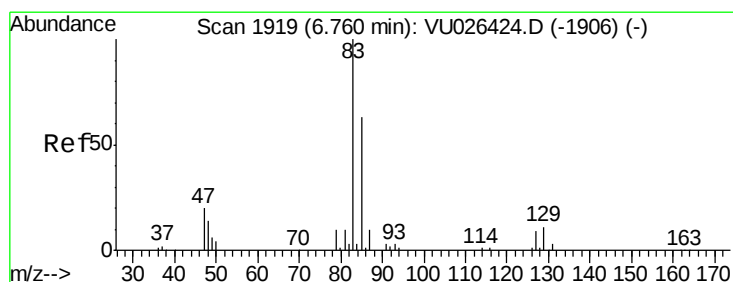
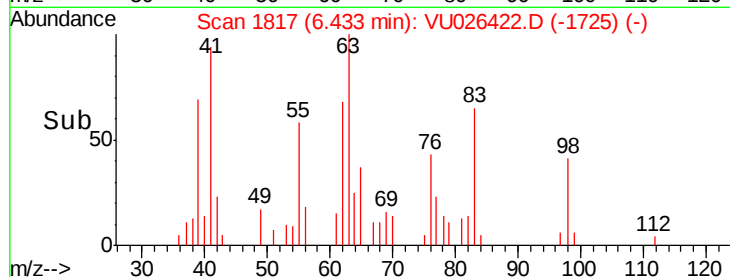
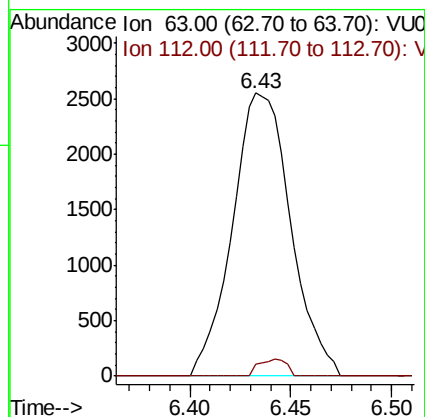
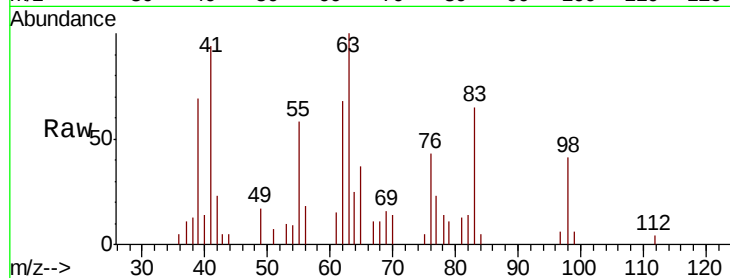
ClientSampled :

Tot Ion: 63 Resp: 5142

Ion Ratio Lower Upper

63 100

112 2.8 3.0 4.6#



#38

Bromodichloromethane

Concen: 4.859 ug/L

RT: 6.76 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

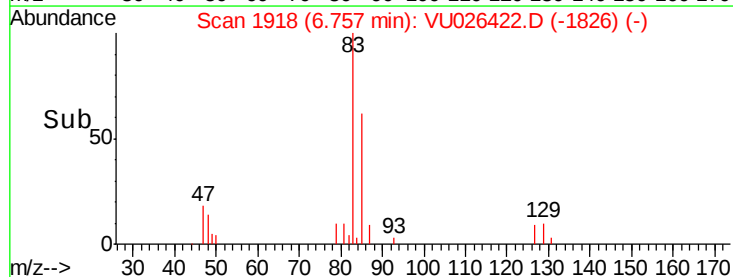
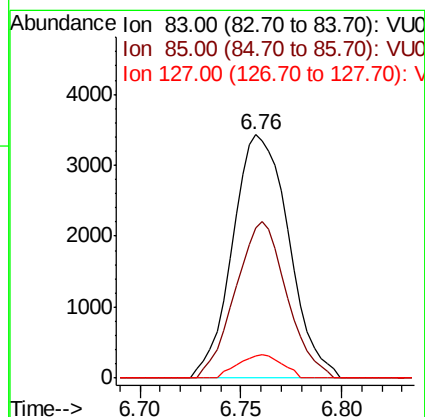
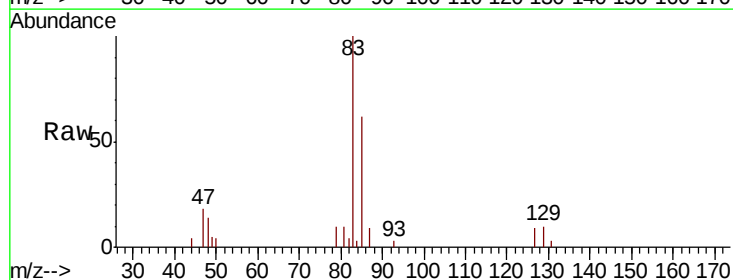
Tgt Ion: 83 Resp: 6685

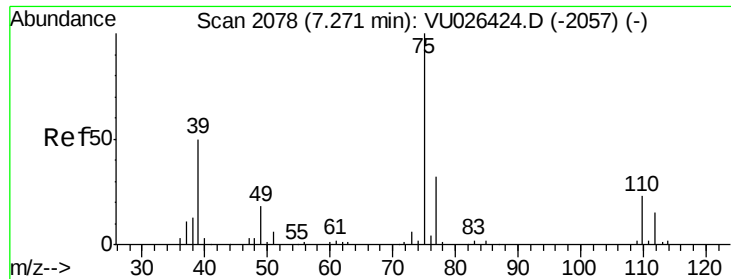
Ion Ratio Lower Upper

83 100

85 61.9 43.9 81.5

127 9.1 7.0 10.6

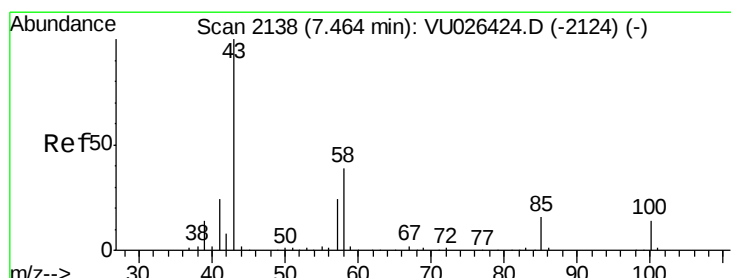
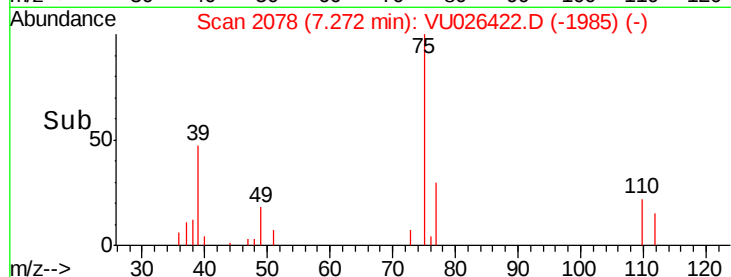
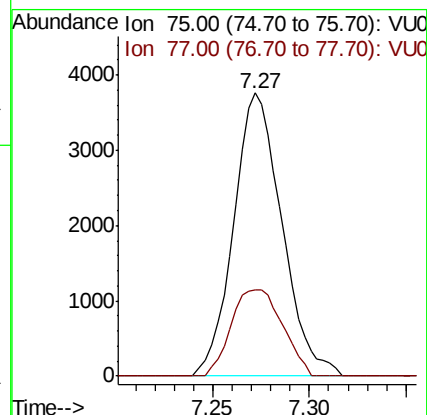
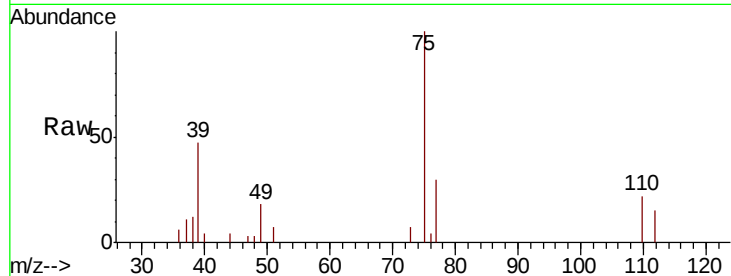




#39
 cis-1,3-Dichloropropene
 Concen: 4.243 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

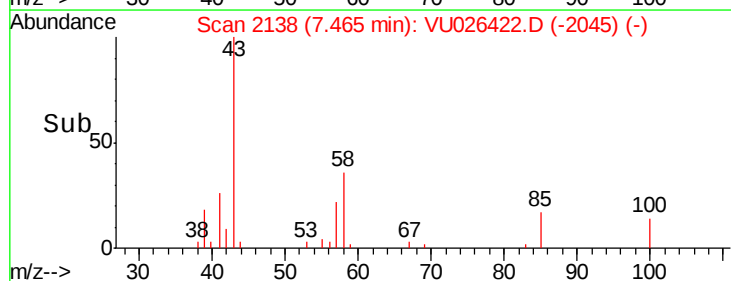
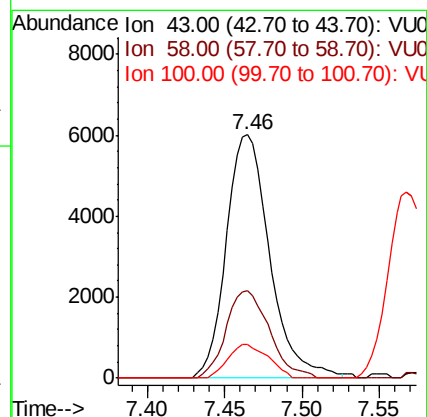
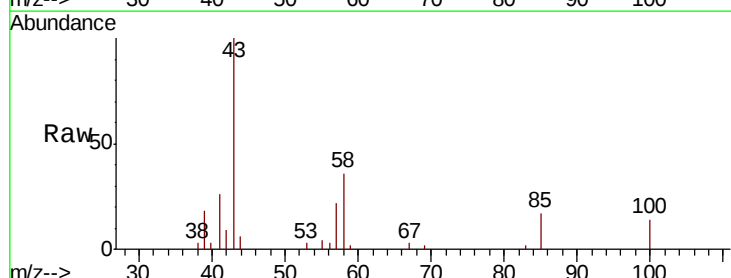
Instrument :
 MSVOA_U
 ClientSampleId :

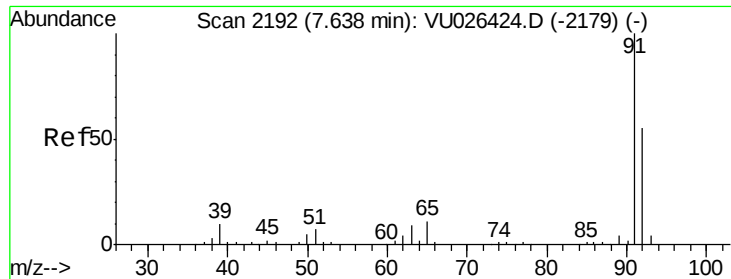
Tot Ion: 75 Resp: 6522
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 8.067 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Tgt Ion: 43 Resp: 11736
 Ion Ratio Lower Upper
 43 100
 58 35.9 30.4 45.6
 100 12.9 11.0 16.4





#42

Toluene

Concen: 4.491 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

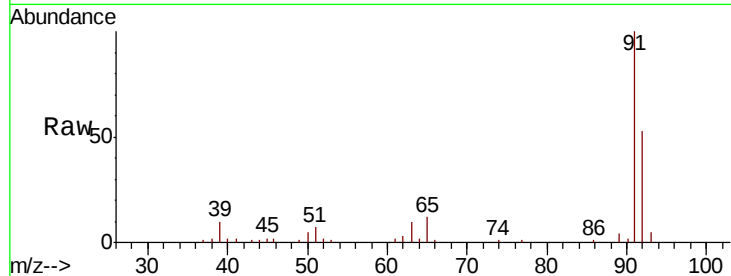
ClientSampleId :

Tot Ion: 91 Resp: 18261

Ion Ratio Lower Upper

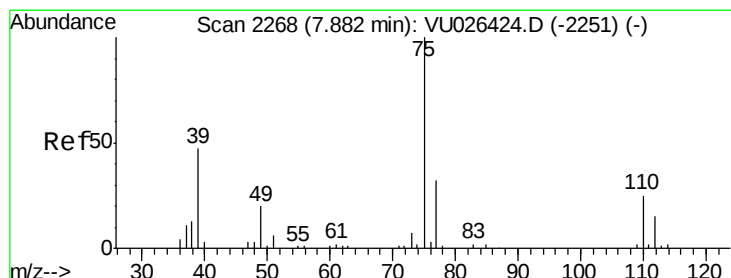
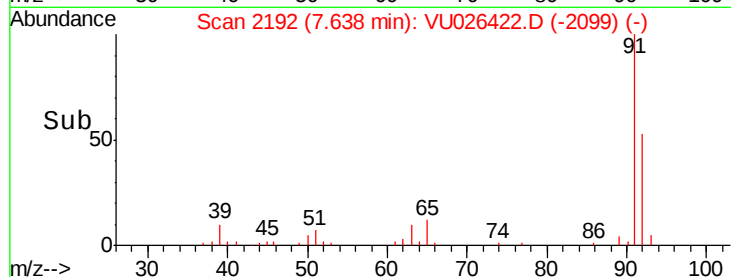
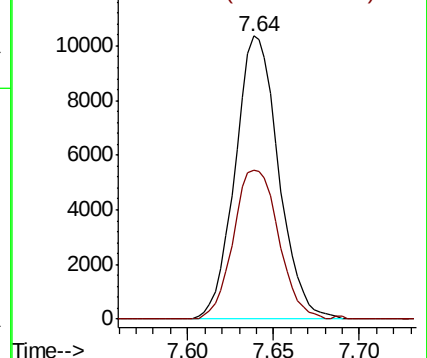
91 100

92 52.5 38.7 71.9



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: 4.316 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026422.D

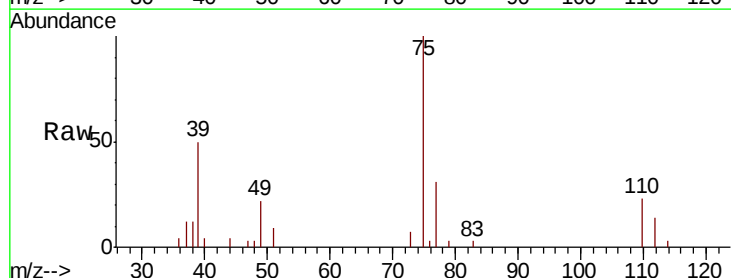
Acq: 29 Aug 2018 14:32

Tgt Ion: 75 Resp: 6324

Ion Ratio Lower Upper

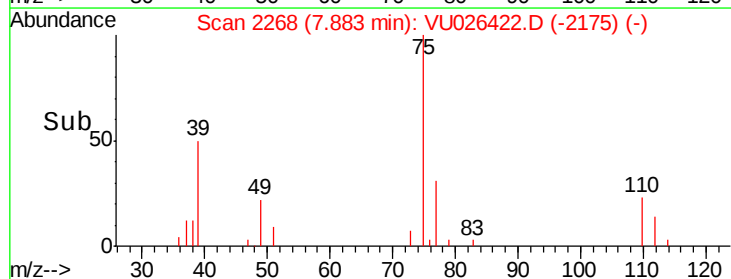
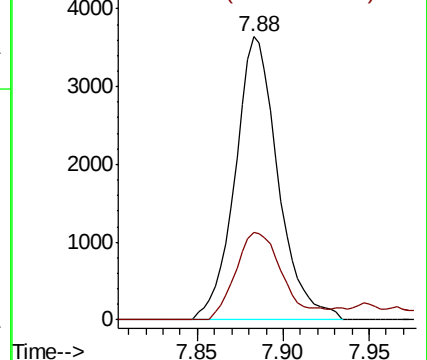
75 100

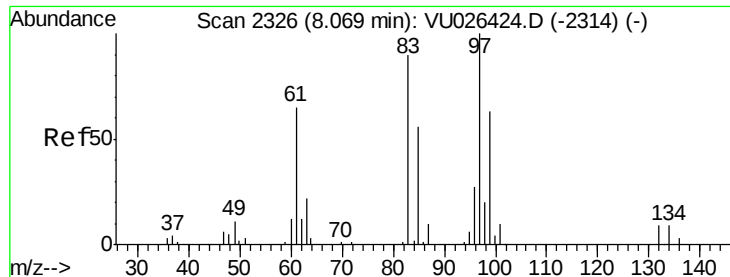
77 31.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

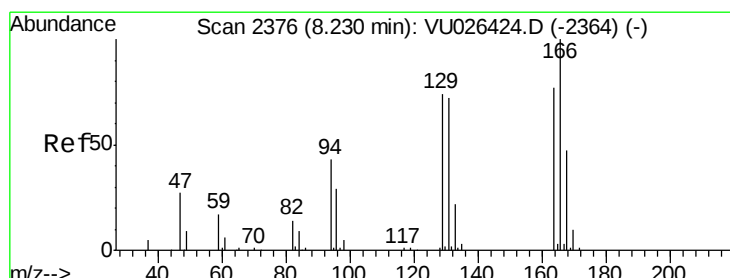
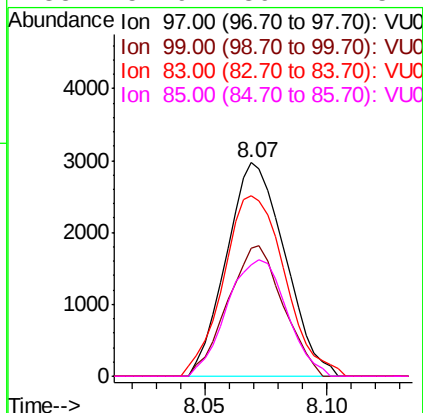
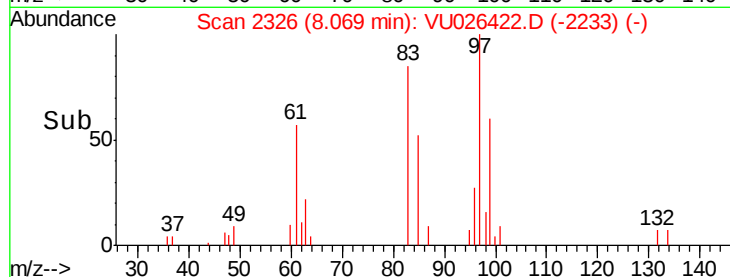
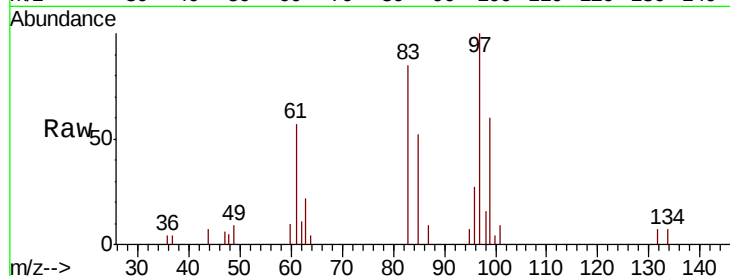




#45
 1,1,2-Trichloroethane
 Concen: 5.017 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

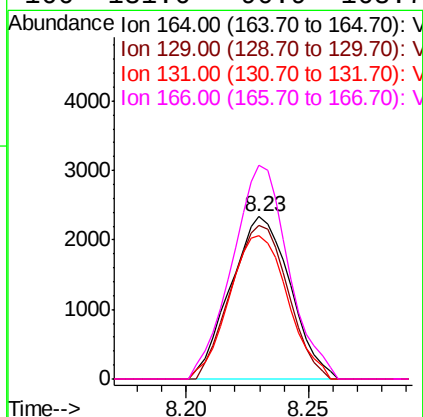
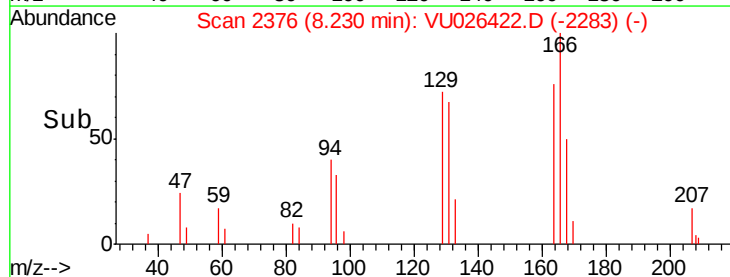
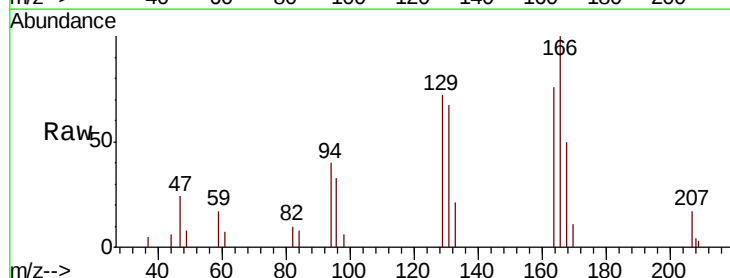
Instrument :
 MSVOA_U
 ClientSampleId :

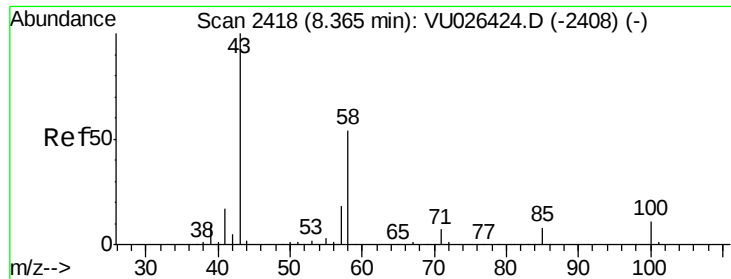
Tot Ion:	97	Resp:	4958
Ion	Ratio	Lower	Upper
97	100		
99	60.0	43.9	81.5
83	84.7	62.7	116.5
85	51.9	39.4	73.2



#46
 Tetrachloroethene
 Concen: 4.972 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Tgt Ion:	164	Resp:	3973
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.3	125.1
131	88.3	65.3	121.3
166	131.6	90.9	168.7

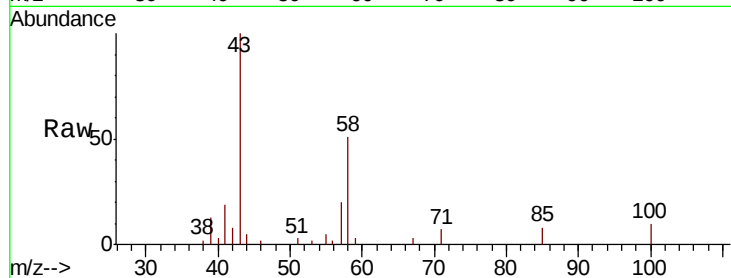




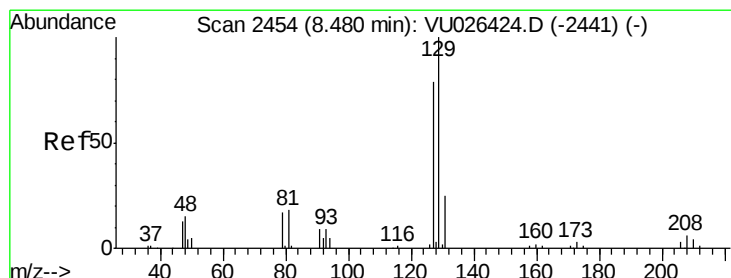
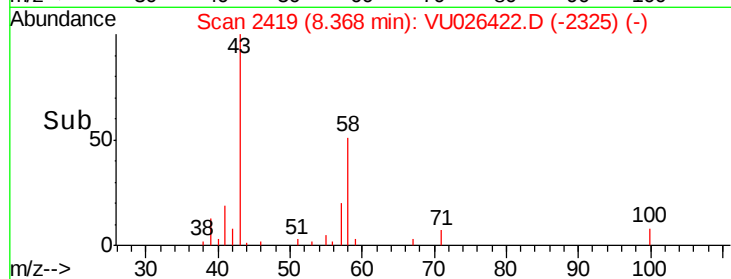
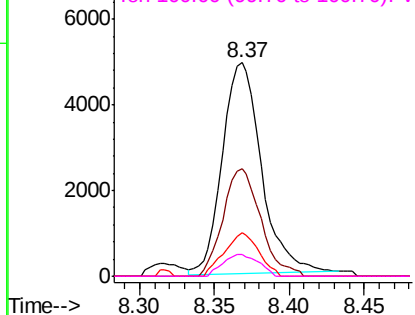
#48
2-Hexanone
Concen: 7.800 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026422.D
Acq: 29 Aug 2018 14:32

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	8937
Ion	Ratio	Lower	Upper
43	100		
58	48.9	42.2	63.4
57	17.9	14.6	21.8
100	9.5	8.3	12.5

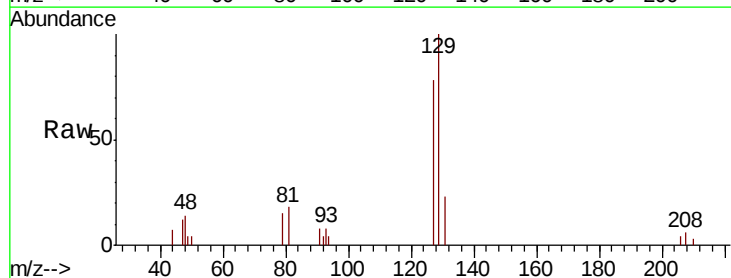


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

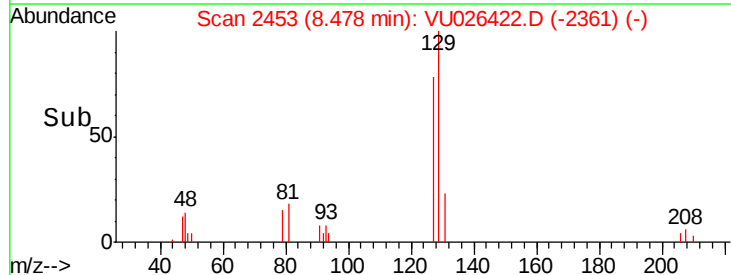
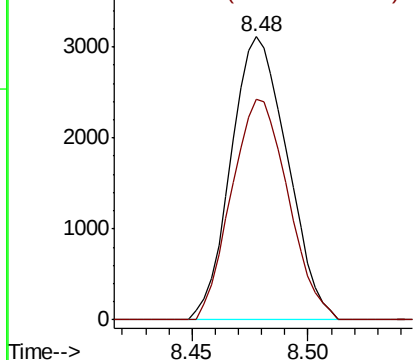


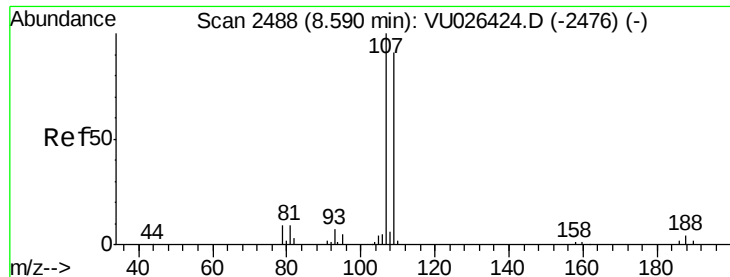
#49
Dibromochloromethane
Concen: 4.715 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026422.D
Acq: 29 Aug 2018 14:32

Tgt Ion:	129	Resp:	5250
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.0	102.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

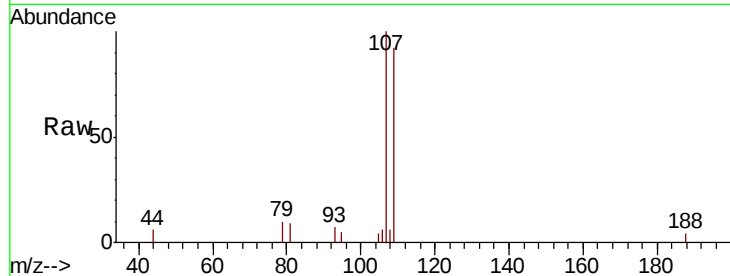




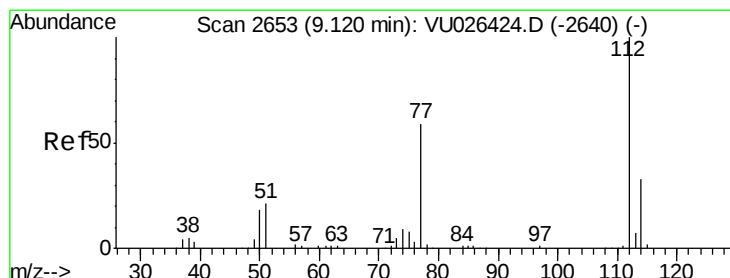
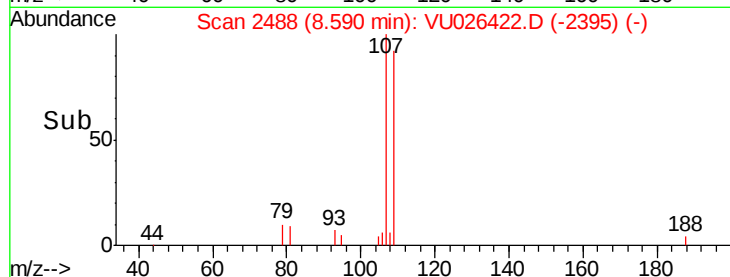
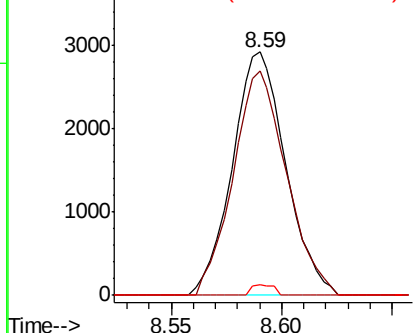
#50
 1,2-Dibromoethane
 Concen: 4.666 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 4910
 Ion Ratio Lower Upper
 107 100
 109 92.3 63.4 117.8
 188 4.1 3.2 4.8

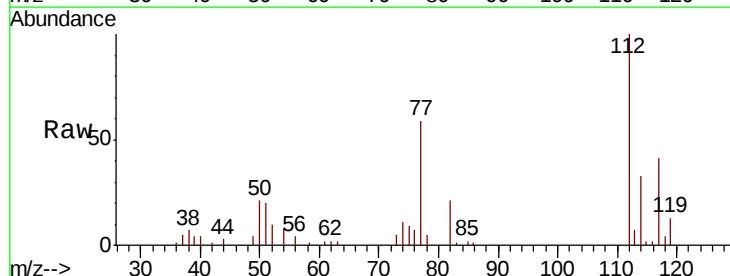


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

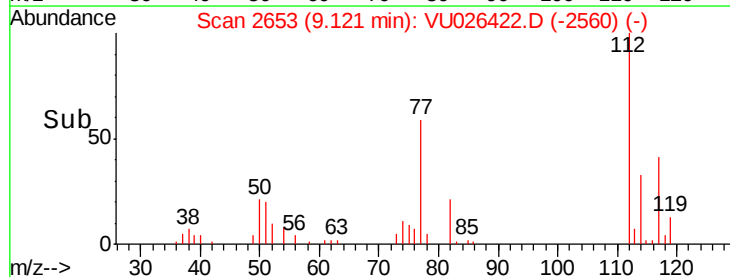
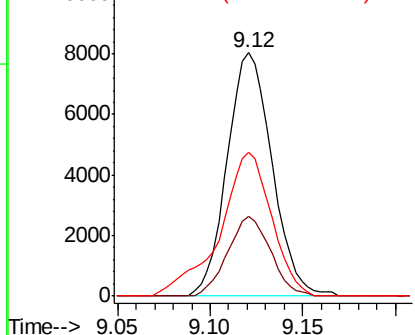


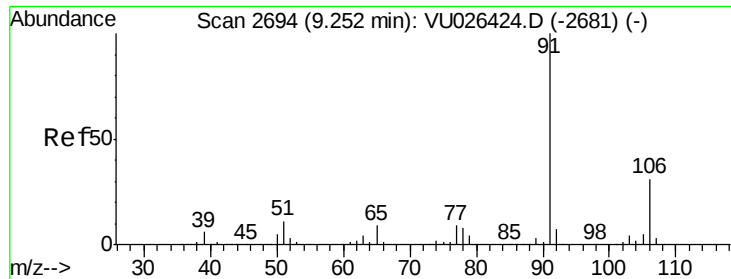
#51
 Chlorobenzene
 Concen: 4.974 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Tgt Ion:112 Resp: 13524
 Ion Ratio Lower Upper
 112 100
 114 32.5 23.2 43.2
 77 59.0 47.3 70.9



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 4.260 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

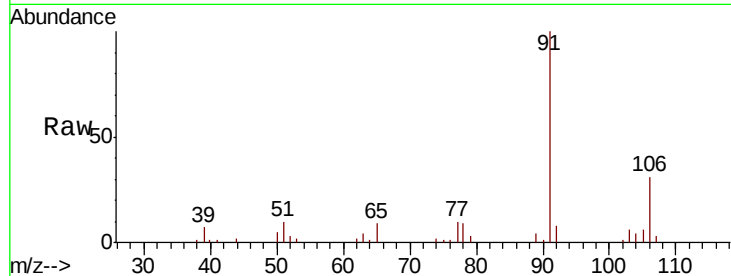
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 18837

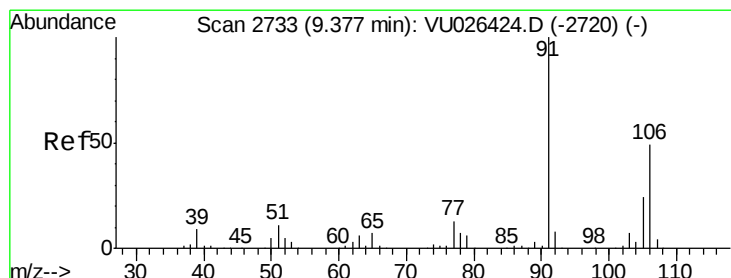
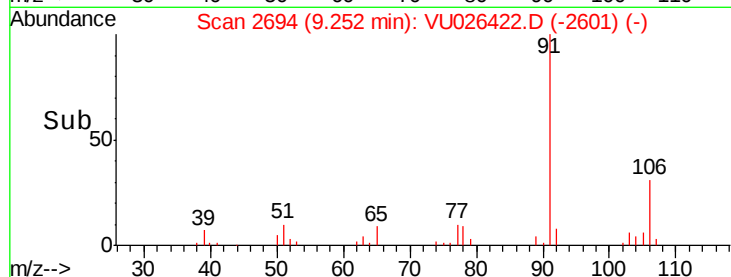
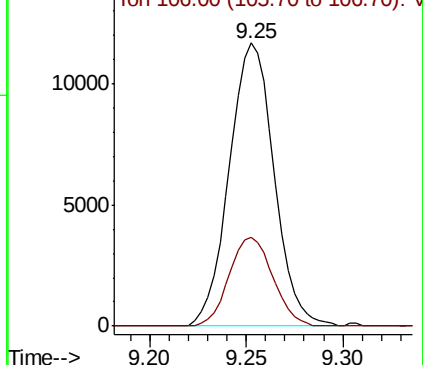
Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026422.D (-2681) (-)



#53

m,p-Xylene

Concen: 4.101 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026422.D

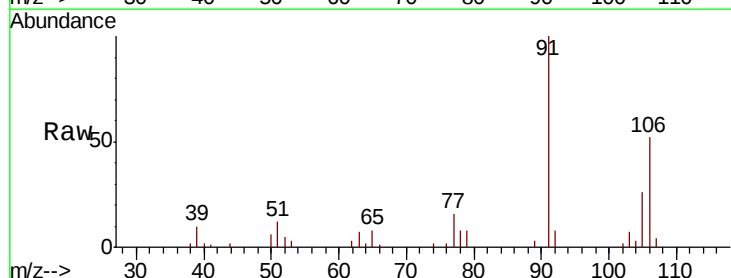
Acq: 29 Aug 2018 14:32

Tgt Ion: 106 Resp: 6772

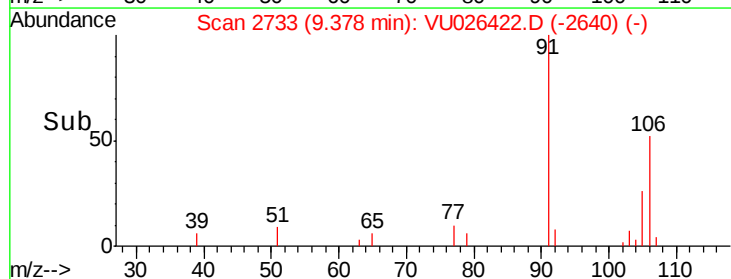
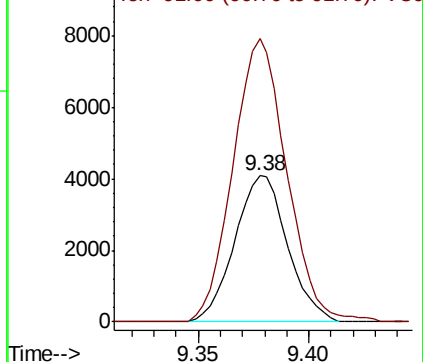
Ion Ratio Lower Upper

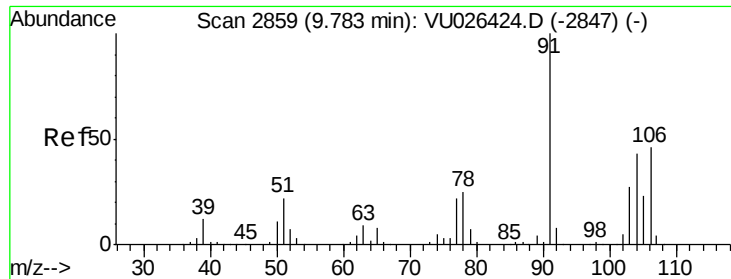
106 100

91 193.5 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026422.D (-2720) (-)





#54

o-xylene

Concen: 3.988 ug/L

RT: 9.78 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

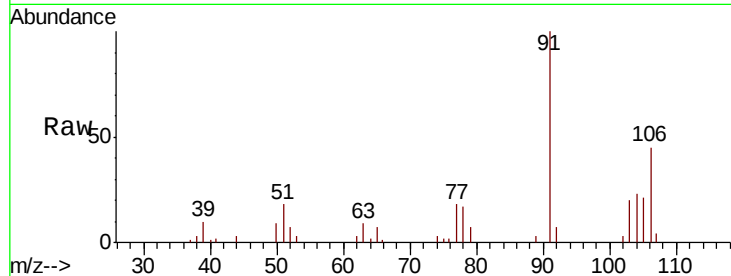
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 6422

Ion Ratio Lower Upper

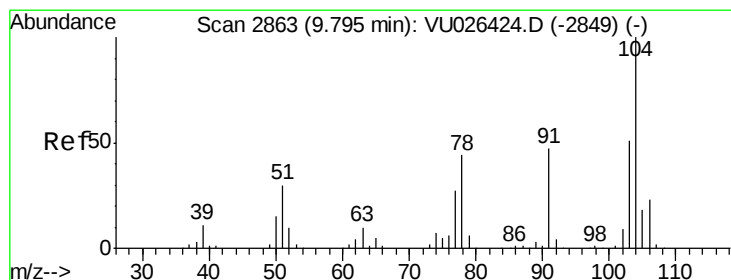
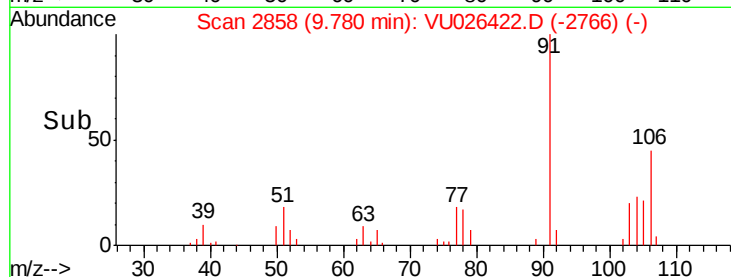
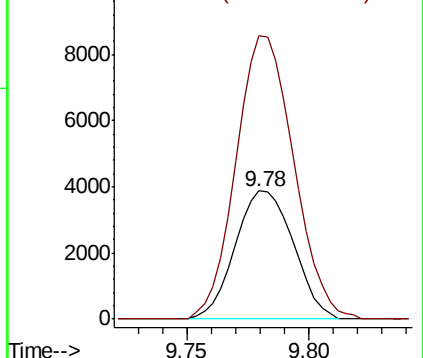
106 100

91 220.7 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 3.680 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026422.D

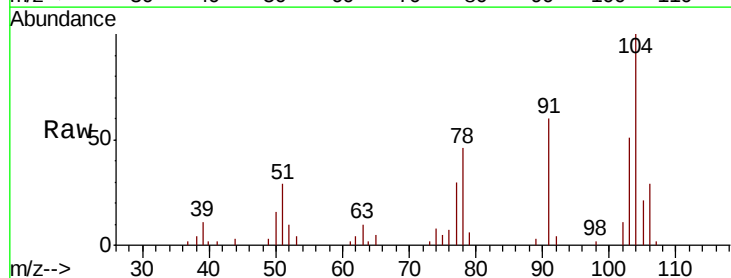
Acq: 29 Aug 2018 14:32

Tgt Ion:104 Resp: 10351

Ion Ratio Lower Upper

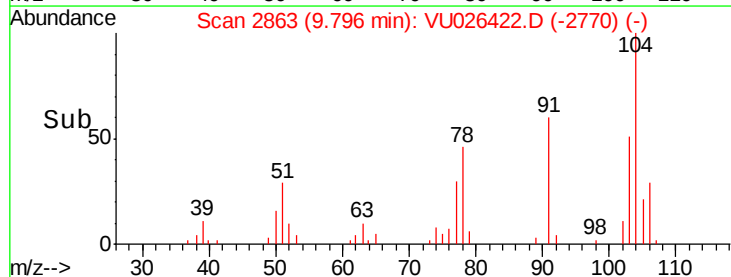
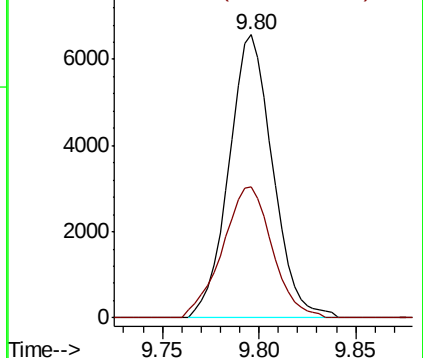
104 100

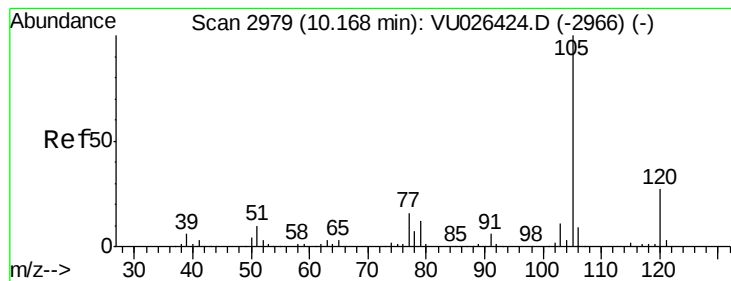
78 46.2 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 3.935 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

ClientSampled :

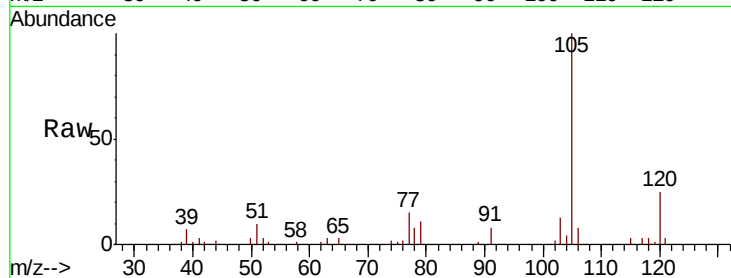
Tot Ion:105 Resp: 16588

Ion Ratio Lower Upper

105 100

120 25.7 21.5 32.3

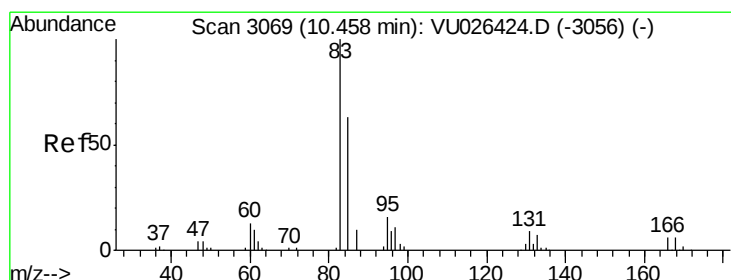
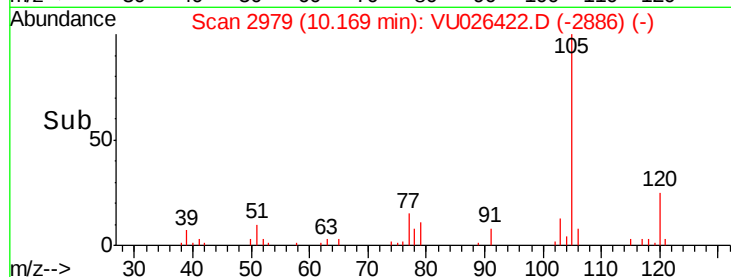
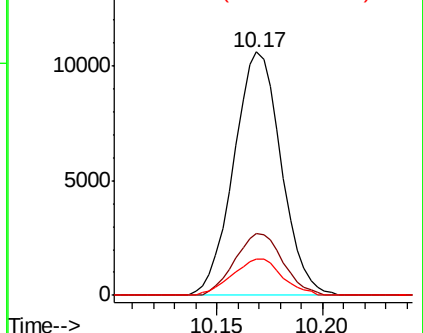
77 15.6 12.9 19.3



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: 4.591 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

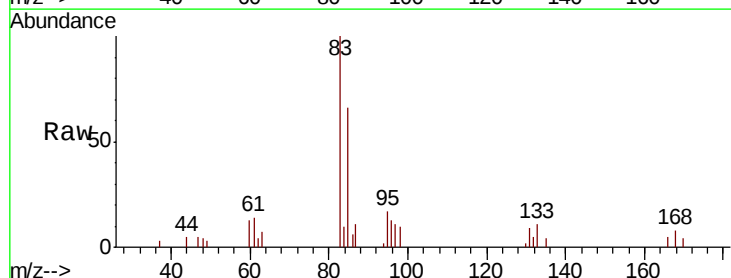
Tgt Ion: 83 Resp: 7992

Ion Ratio Lower Upper

83 100

85 66.4 44.3 82.3

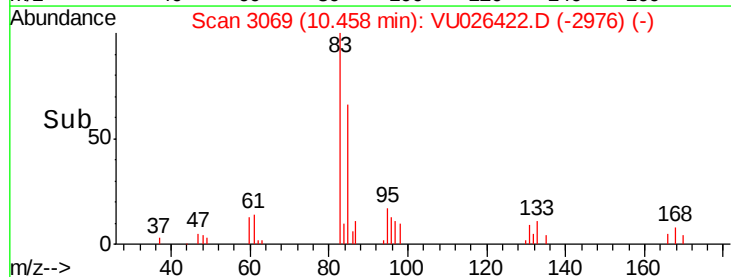
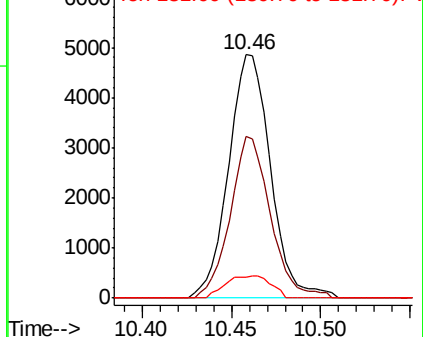
131 8.7 7.8 11.8

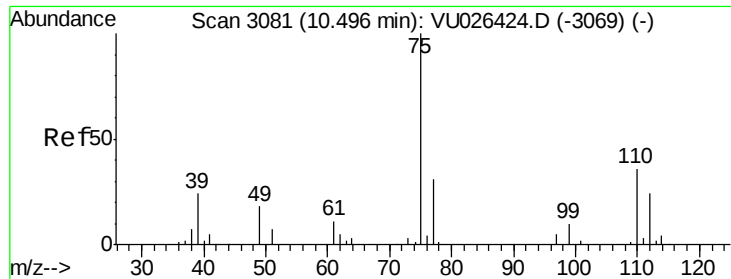


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

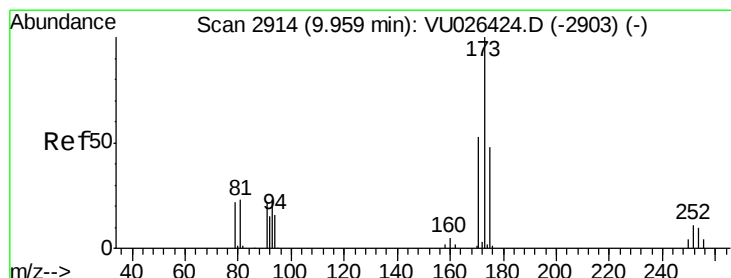
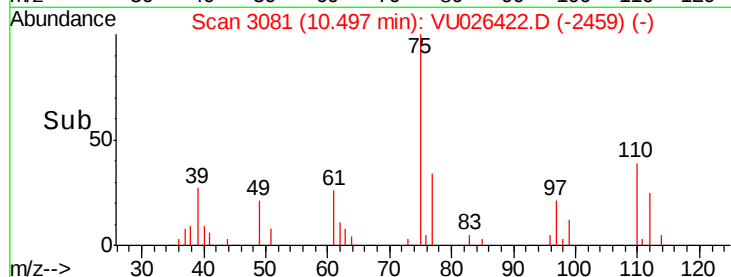
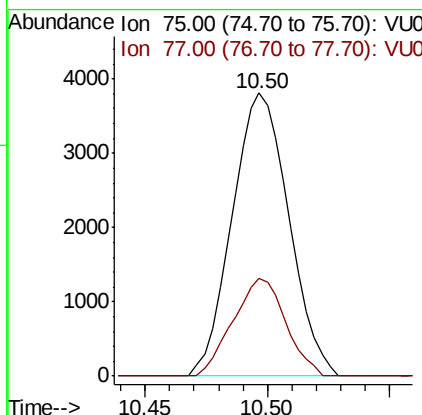
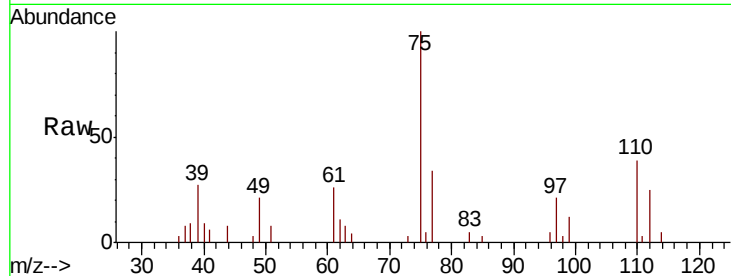




#59
 1,2,3-Trichloropropane
 Concen: 4.558 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

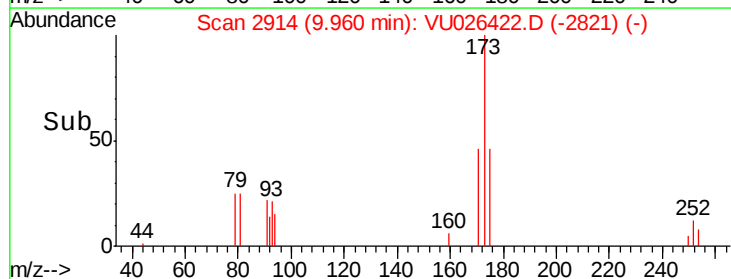
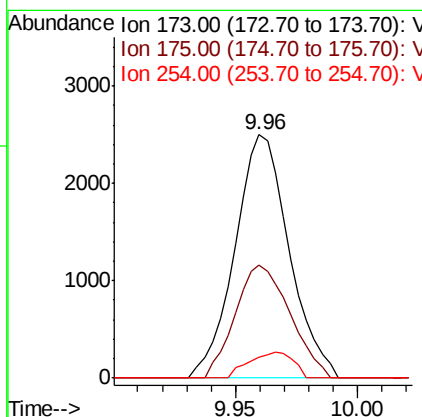
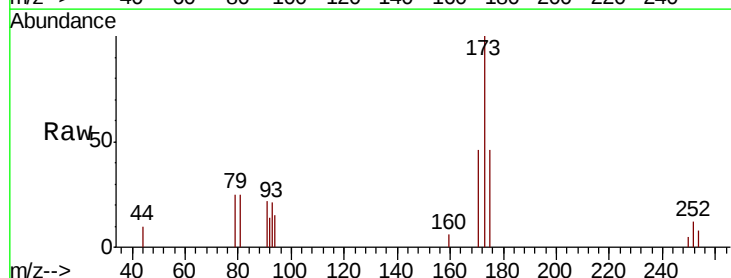
Instrument :
 MSVOA_U
 ClientSampleId :

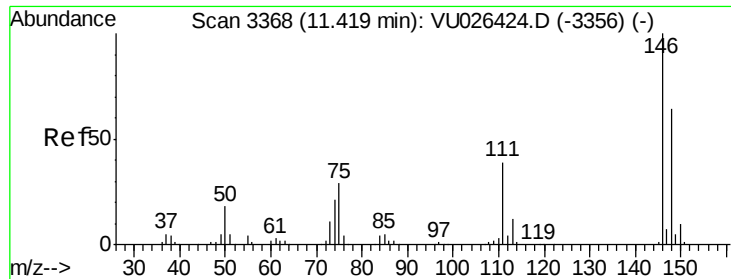
Tot Ion: 75 Resp: 6136
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.6



#61
 Bromoform
 Concen: 4.951 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Tgt Ion: 173 Resp: 3848
 Ion Ratio Lower Upper
 173 100
 175 46.8 38.5 57.7
 254 8.6 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 4.815 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

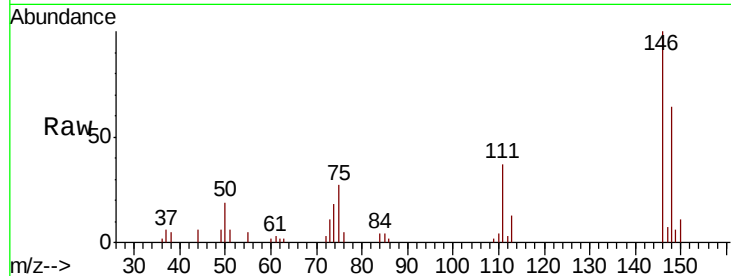
Tot Ion:146 Resp: 8873

Ion Ratio Lower Upper

146 100

111 37.1 27.5 51.1

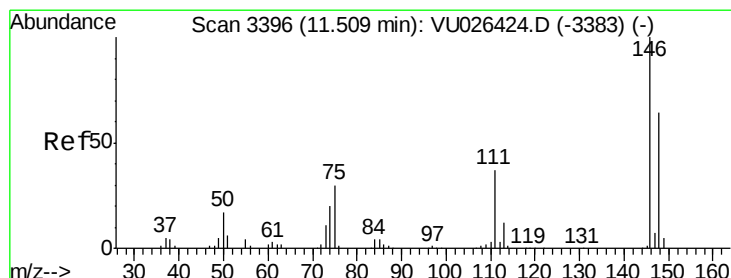
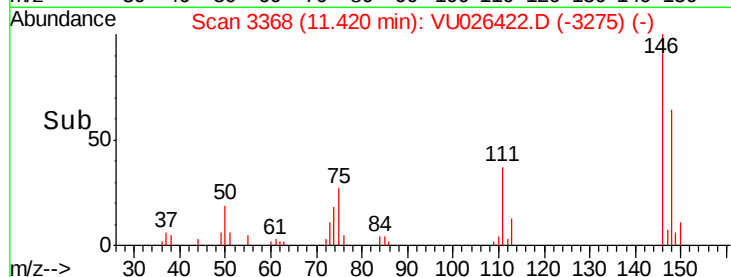
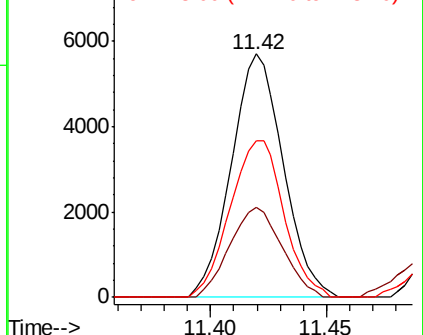
148 64.4 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.030 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

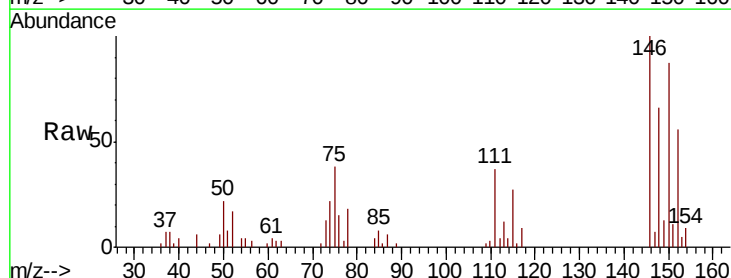
Tgt Ion:146 Resp: 9805

Ion Ratio Lower Upper

146 100

111 36.7 26.2 48.6

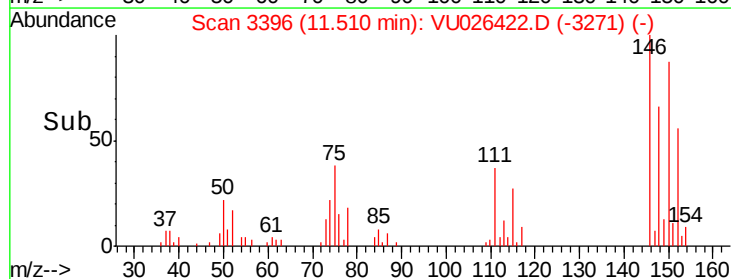
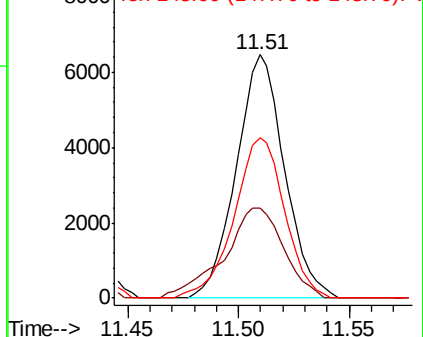
148 65.8 44.9 83.5

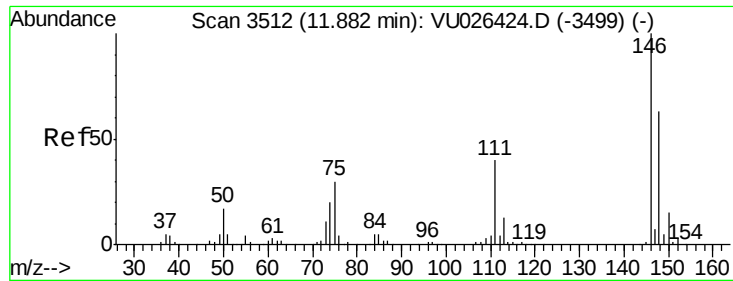


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.920 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

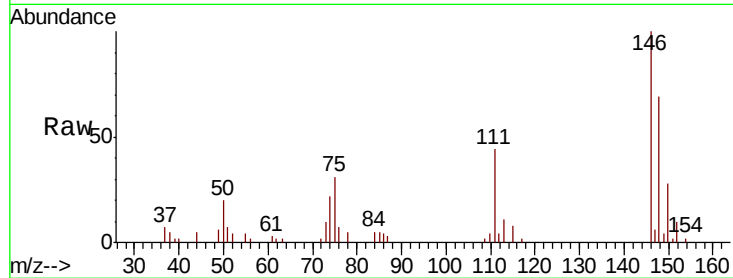
Tot Ion:146 Resp: 9563

Ion Ratio Lower Upper

146 100

111 43.7 32.0 48.0

148 69.0 50.2 75.2

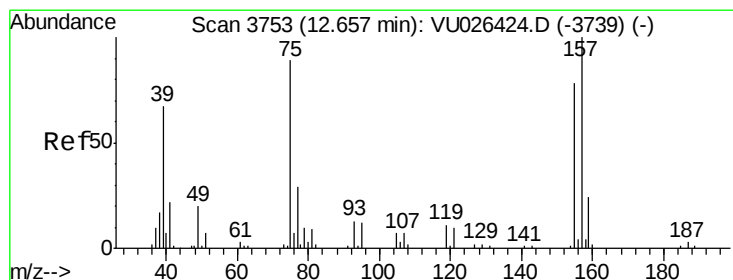
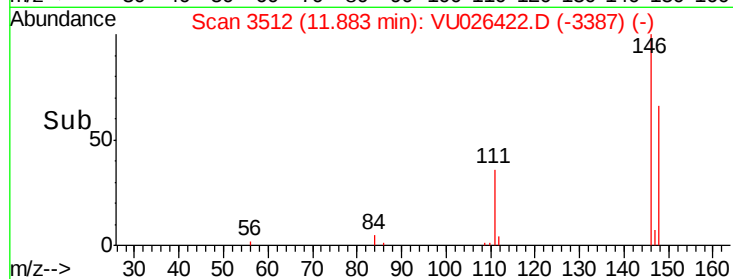
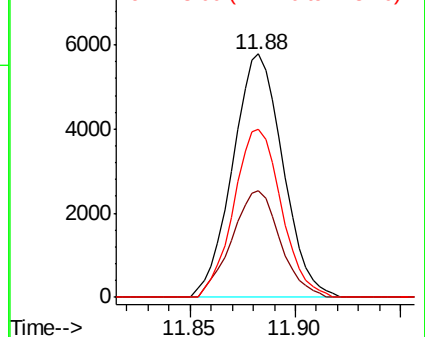


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.051 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

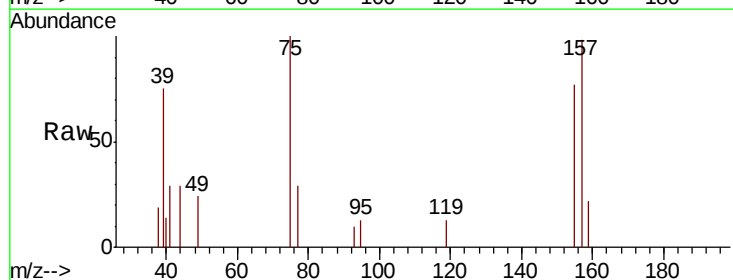
Tgt Ion: 75 Resp: 1651

Ion Ratio Lower Upper

75 100

155 76.7 69.8 104.8

157 98.4 89.8 134.8

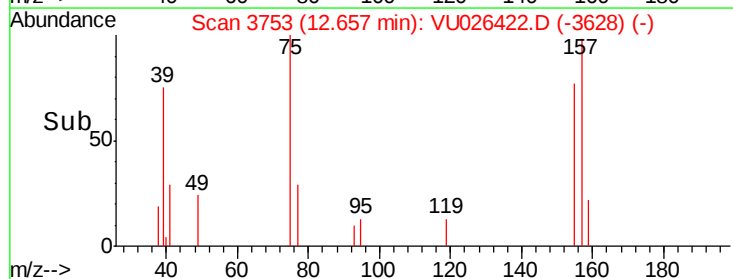
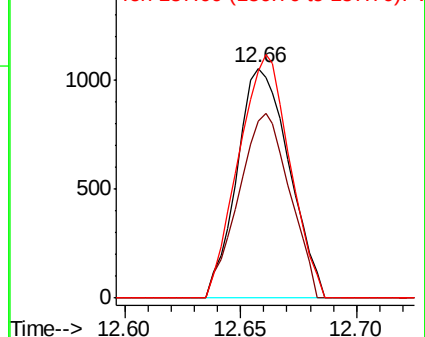


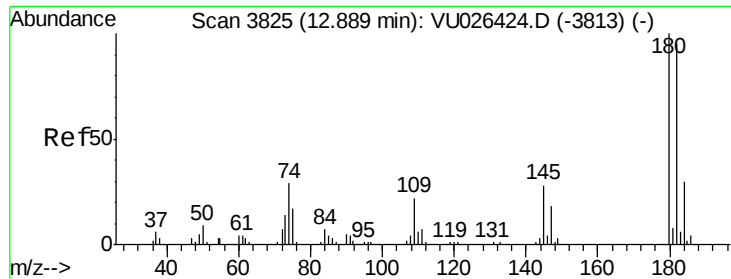
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

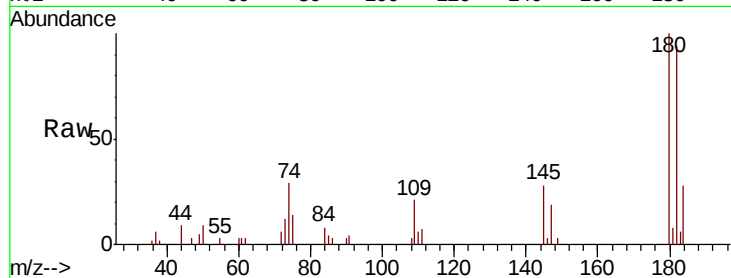




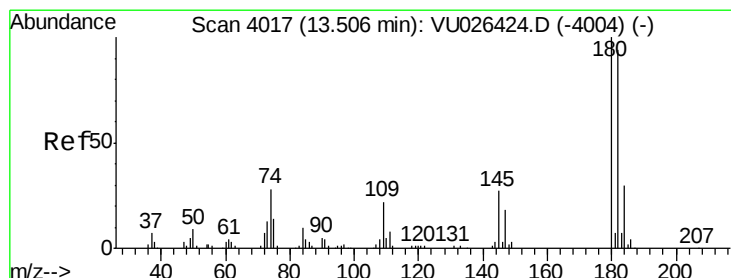
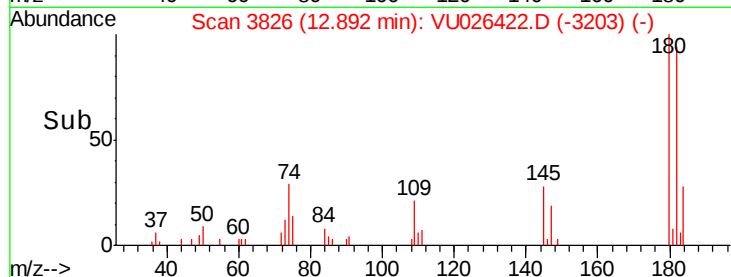
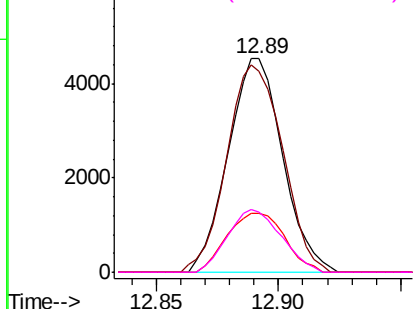
#67
 1,3,5-Trichlorobenzene
 Concen: 4.720 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 7019
 Ion Ratio Lower Upper
 180 100
 182 99.5 76.5 114.7
 184 29.4 25.0 37.4
 145 29.1 22.3 33.5

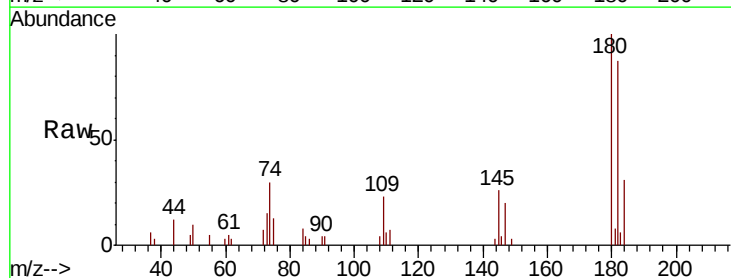


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

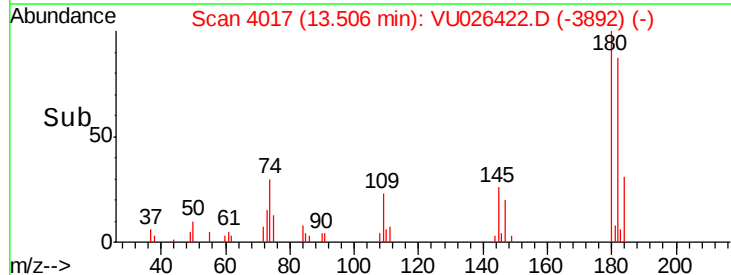
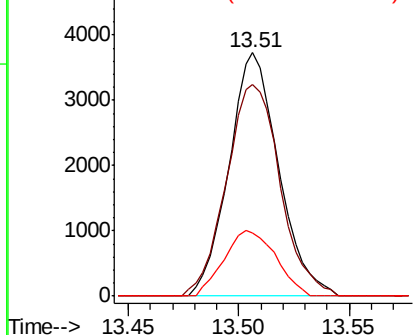


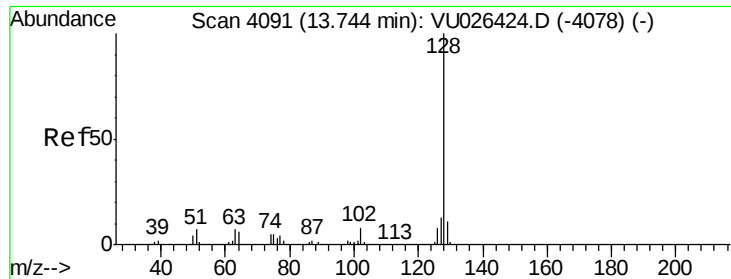
#68
 1,2,4-trichlorobenzene
 Concen: 4.487 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026422.D
 Acq: 29 Aug 2018 14:32

Tgt Ion:180 Resp: 5828
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.6 114.8
 145 28.0 22.4 33.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 3.882 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

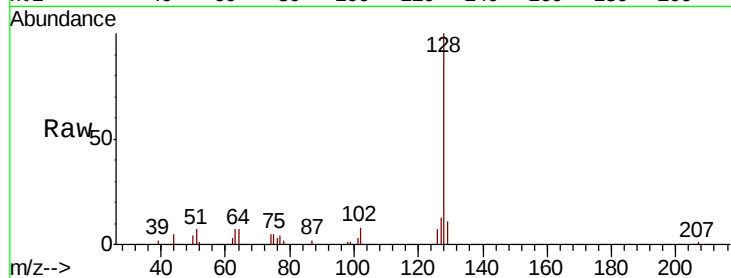
Tot Ion:128 Resp: 15746

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

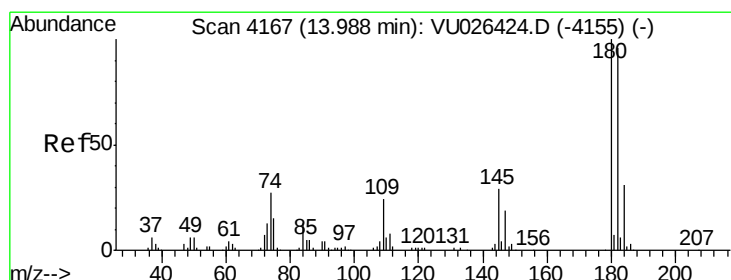
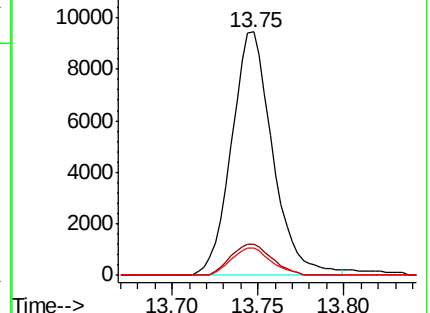
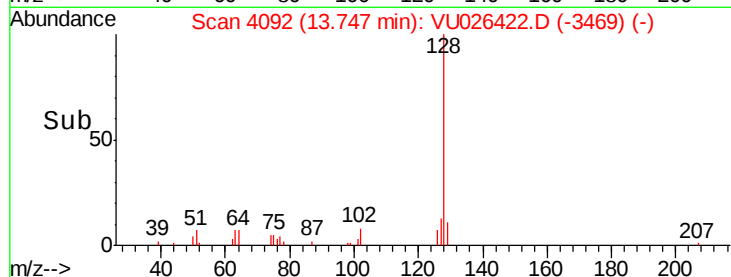
129 10.8 8.5 12.7



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



#70

1,2,3-Trichlorobenzene

Concen: 4.573 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026422.D

Acq: 29 Aug 2018 14:32

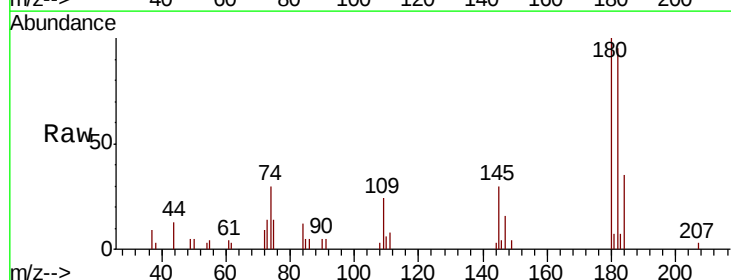
Tgt Ion:180 Resp: 6522

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 27.8 23.9 35.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

