

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026424.D
 Acq On : 29 Aug 2018 15:19
 Operator : MD/SY
 Sample : VSTD05049
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 01:57:15 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	153426	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	147825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	76850	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49068	51.62	ug/L	0.00
7) Chloroethane-d5	1.68	69	42964	50.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	109787	51.28	ug/L	0.00
21) 2-Butanone-d5	4.18	46	76116	103.17	ug/L	0.00
24) Chloroform-d	4.65	84	91382	50.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	60651	50.74	ug/L	0.00
32) Benzene-d6	5.35	84	177563	52.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	59976	51.24	ug/L	0.00
41) Toluene-d8	7.57	98	173425	52.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	27748	51.91	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	57278	106.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88337	51.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	71825	51.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	60346	50.443	ug/L 100
3) Chloromethane	1.33	50	76154	51.555	ug/L 100
5) Vinyl chloride	1.40	62	81481	50.881	ug/L 100
6) Bromomethane	1.62	94	46477	48.955	ug/L 100
8) Chloroethane	1.70	64	48901	50.860	ug/L 100
9) Trichlorofluoromethane	1.89	101	100939	49.568	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	57953	51.004	ug/L 100
12) 1,1-Dichloroethene	2.28	96	55711	50.871	ug/L 100
13) Acetone	2.32	43	60757	95.102	ug/L 100
14) Carbon disulfide	2.48	76	154349	49.803	ug/L 100
15) Methyl Acetate	2.62	43	63345	50.497	ug/L 100
16) Methylene chloride	2.70	84	56165	49.882	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	49393	49.863	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	152275	50.639	ug/L 100
19) 1,1-Dichloroethane	3.45	63	97819	50.256	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	56108	50.562	ug/L 100
22) 2-Butanone	4.27	43	88382	102.923	ug/L 100
23) Bromochloromethane	4.55	128	29009	50.741	ug/L 100
25) Chloroform	4.68	83	99303	49.957	ug/L 100
27) 1,2-Dichloroethane	5.41	62	81352	50.745	ug/L 100
29) Cyclohexane	5.00	56	85171	52.880	ug/L 100
30) 1,1,1-Trichloroethane	4.92	97	82691	50.833	ug/L 100
31) Carbon tetrachloride	5.14	117	75286	50.935	ug/L 100
33) Benzene	5.39	78	219709	51.843	ug/L 100
34) Trichloroethene	6.19	95	53602	50.425	ug/L 100
35) Methylcyclohexane	6.42	83	88417	53.267	ug/L 100
37) 1,2-Dichloropropane	6.44	63	60930	51.933	ug/L 100
38) Bromodichloromethane	6.76	83	76489	51.124	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	87489	52.334	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	168869	106.727	ug/L 100

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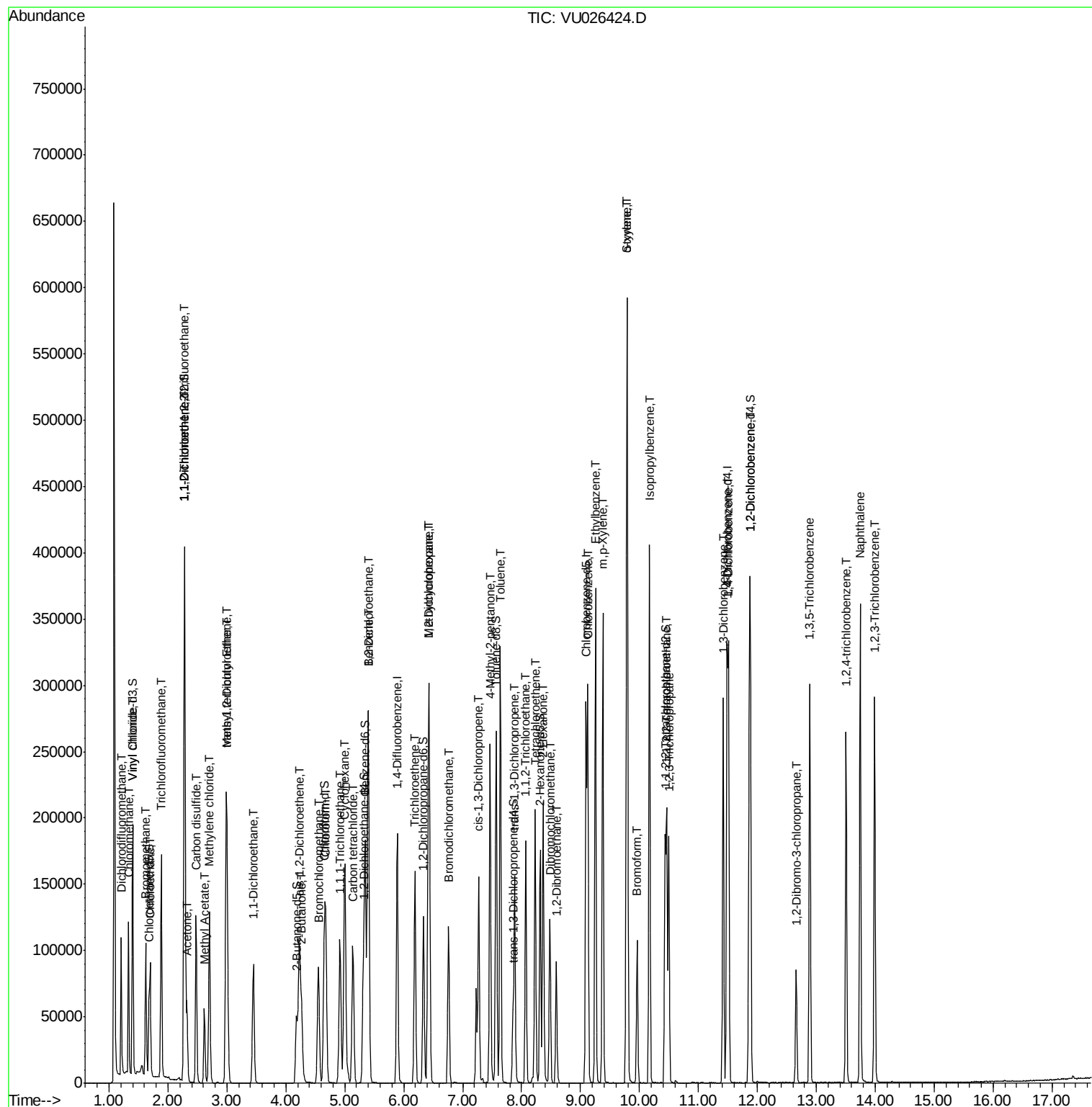
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	235664	53.292	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	81904	51.403	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	54719	50.911	ug/L	100
46) Tetrachloroethene	8.23	164	43556	50.116	ug/L	100
48) 2-Hexanone	8.36	43	134695	108.089	ug/L	100
49) Dibromochloromethane	8.48	129	61903	51.116	ug/L	100
50) 1,2-Dibromoethane	8.59	107	59132	51.666	ug/L	100
51) Chlorobenzene	9.12	112	148503	50.218	ug/L	100
52) Ethylbenzene	9.25	91	252408	52.481	ug/L	100
53) m,p-Xylene	9.38	106	95558	53.211	ug/L	100
54) o-xylene	9.78	106	93818	53.571	ug/L	100
55) Styrene	9.80	104	166171	54.316	ug/L	100
56) Isopropylbenzene	10.17	105	245637	53.583	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	96661	51.056	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	75030	51.252	ug/L	100
61) Bromoform	9.96	173	47815	50.411	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	112703	50.117	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	120200	50.535	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	121019	51.021	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	19886	49.860	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	92199	50.803	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	81789	51.598	ug/L	100
69) Naphthalene	13.74	128	271594	54.877	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	89957	51.684	ug/L	100

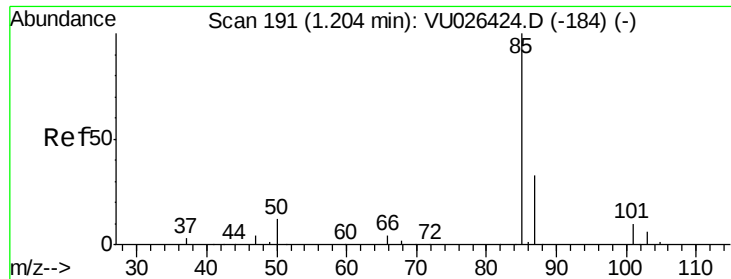
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.443 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

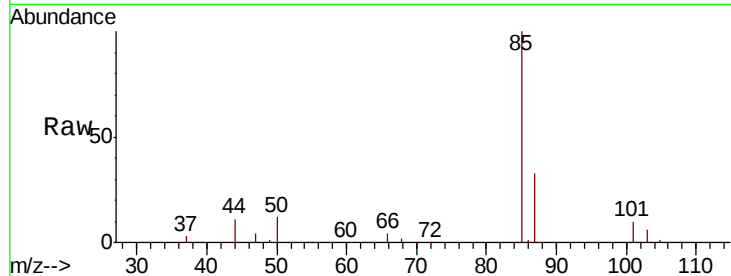
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 60346

Ion Ratio Lower Upper

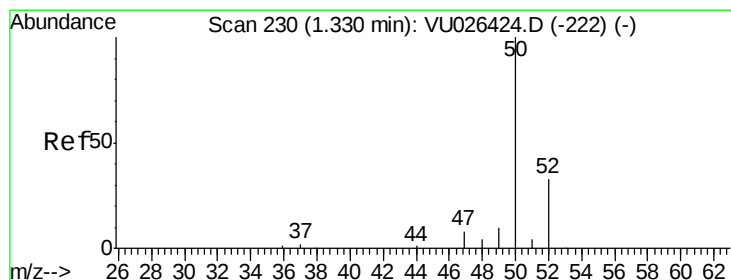
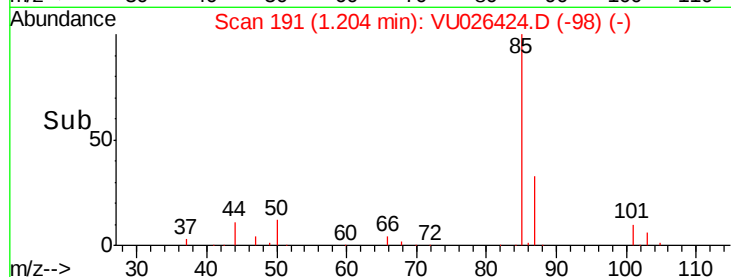
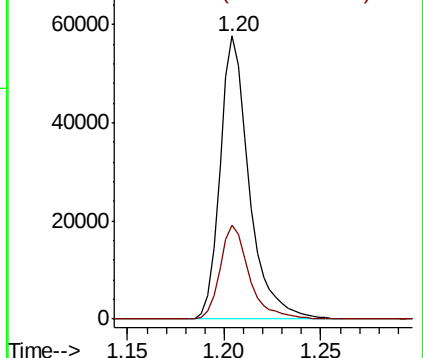
85 100

87 33.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 51.555 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026424.D

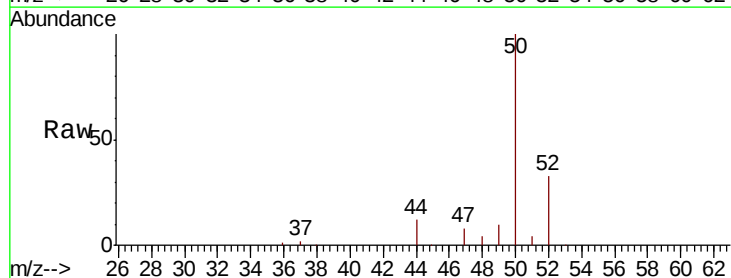
Acq: 29 Aug 2018 15:19

Tgt Ion: 50 Resp: 76154

Ion Ratio Lower Upper

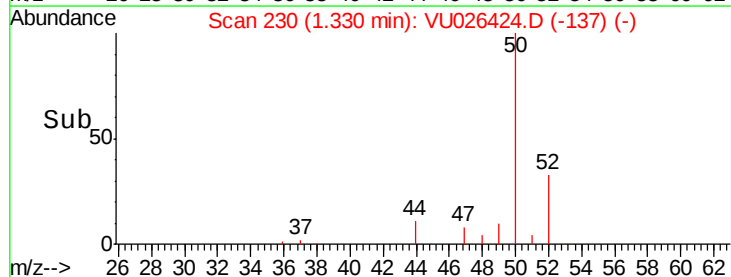
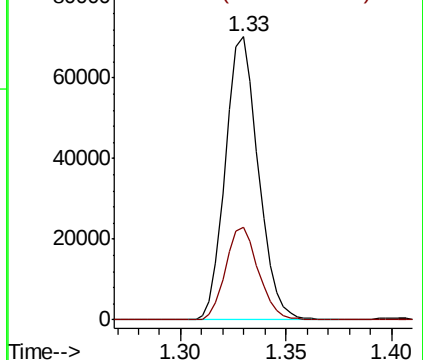
50 100

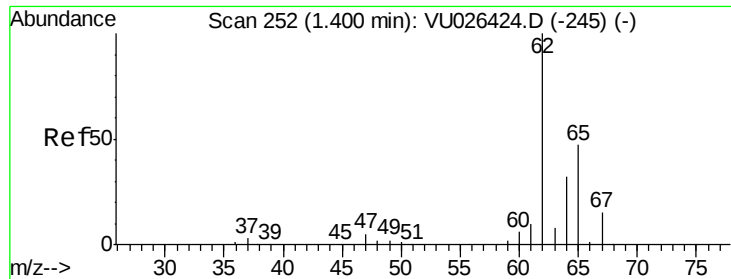
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 50.881 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

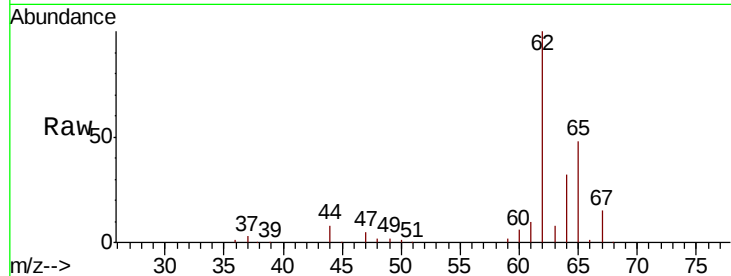
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 81481

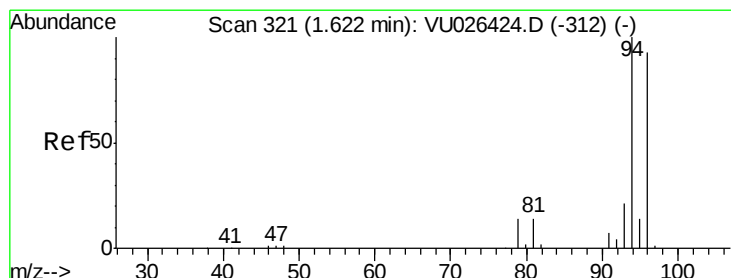
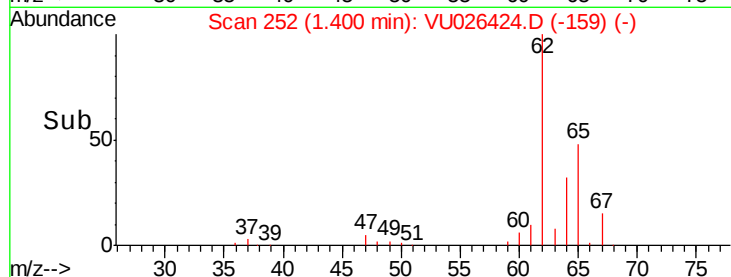
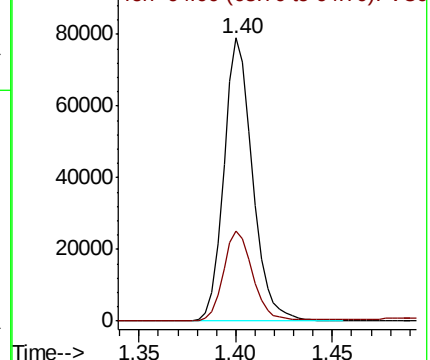
Ion Ratio Lower Upper

62 100

64 32.0 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: 48.955 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU026424.D

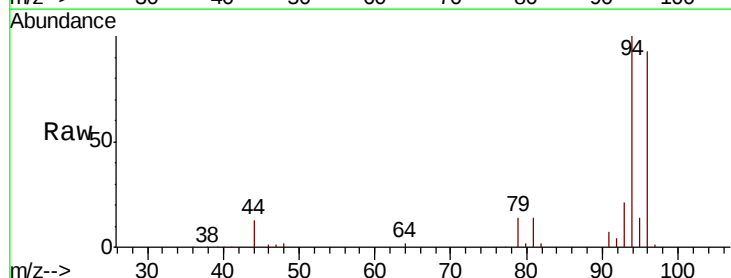
Acq: 29 Aug 2018 15:19

Tgt Ion: 94 Resp: 46477

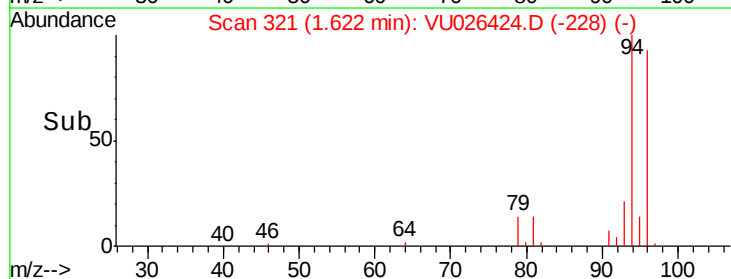
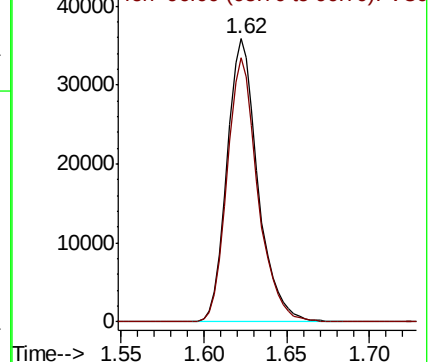
Ion Ratio Lower Upper

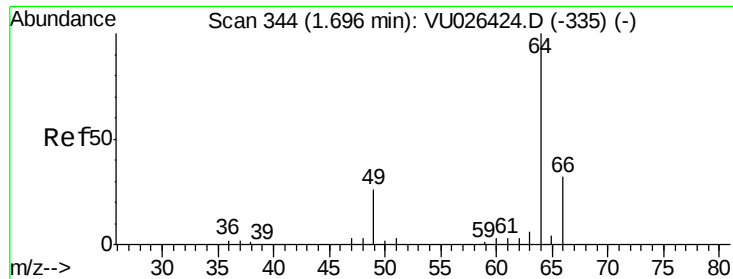
94 100

96 93.3 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0

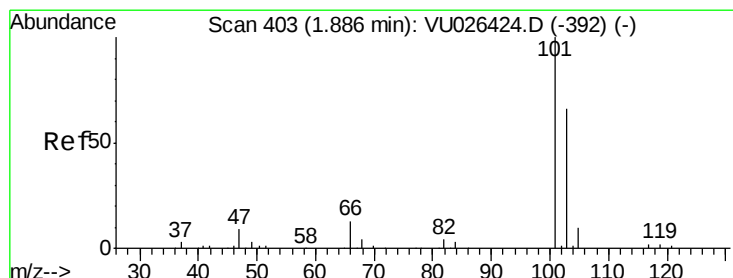
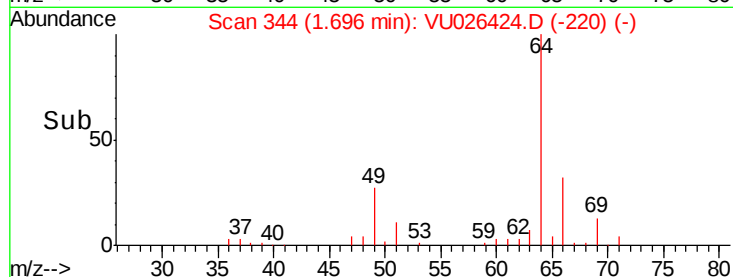
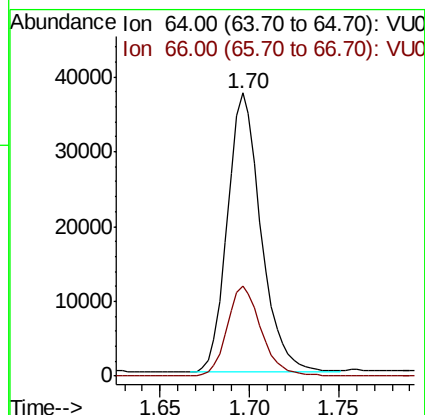
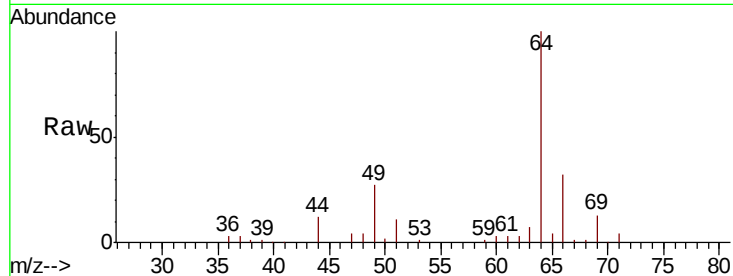




#8
 Chloroethane
 Concen: 50.860 ug/L
 RT: 1.70 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

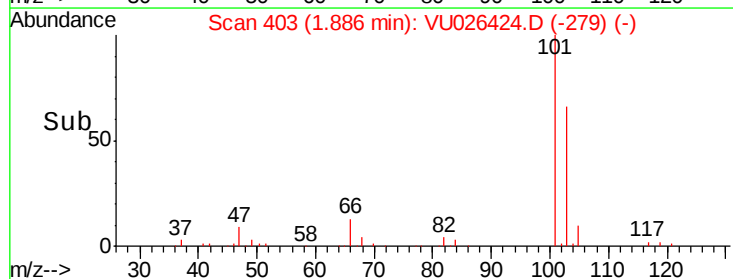
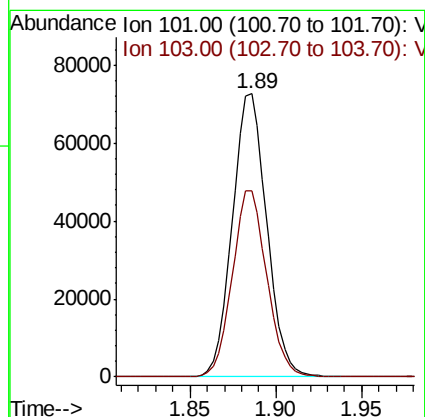
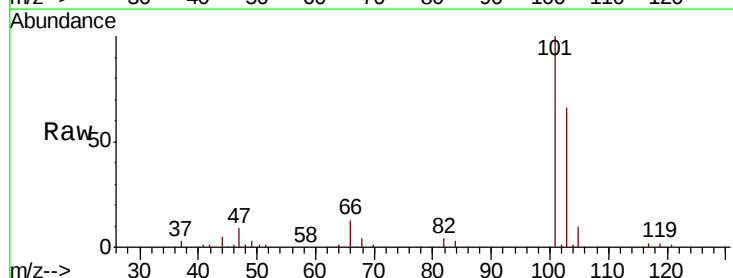
Instrument :
 MSVOA_U
 ClientSampleId :

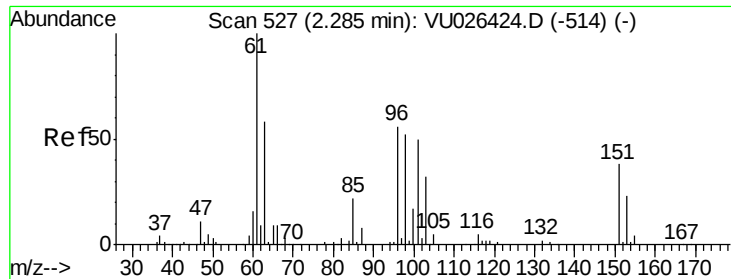
Tot Ion: 64 Resp: 48901
 Ion Ratio Lower Upper
 64 100
 66 31.7 22.2 41.2



#9
 Trichlorofluoromethane
 Concen: 49.568 ug/L
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion:101 Resp: 100939
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.7 79.1





#10

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

Concen: 51.004 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_U

ClientSampled :

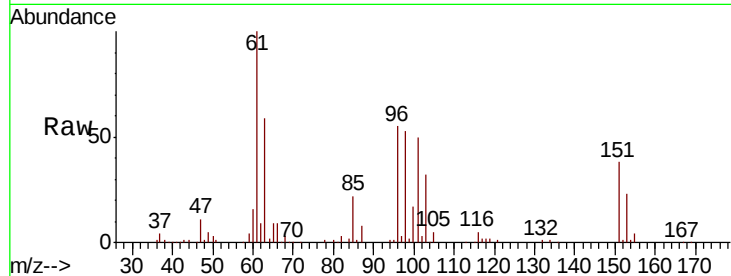
Tot Ion:101 Resp: 57953

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

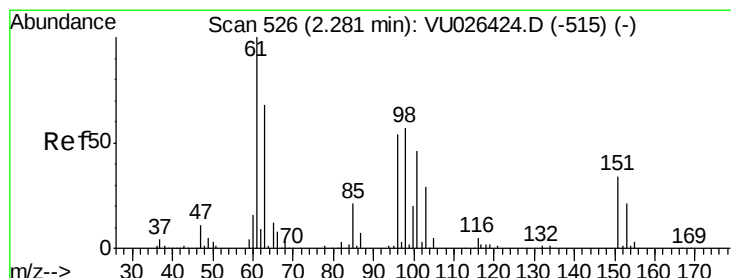
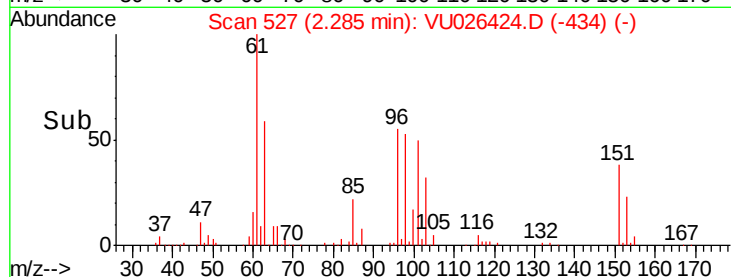
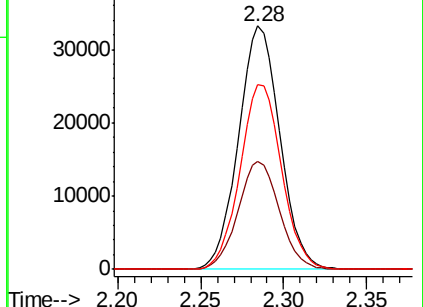
151 75.9 60.7 91.1



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: 50.871 ug/L

RT: 2.28 min Scan# 526

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

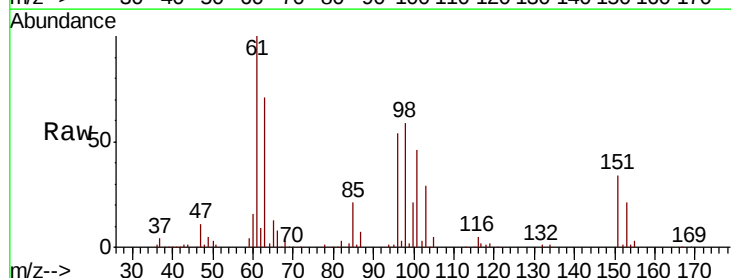
Tgt Ion: 96 Resp: 55711

Ion Ratio Lower Upper

96 100

61 184.7 129.3 240.1

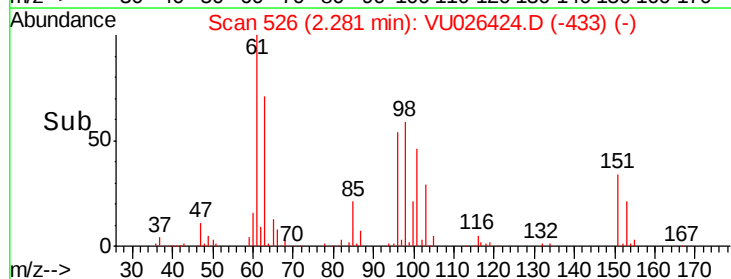
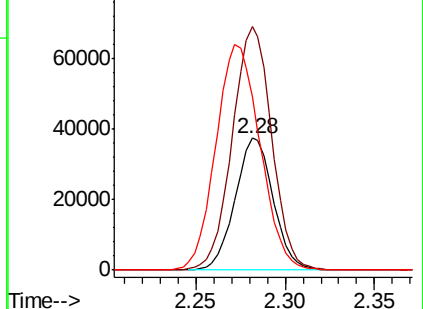
63 131.0 91.7 170.3

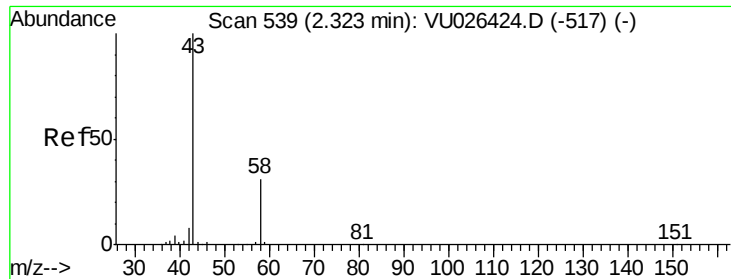


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.102 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

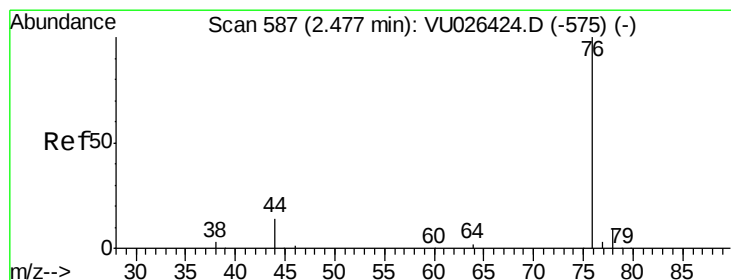
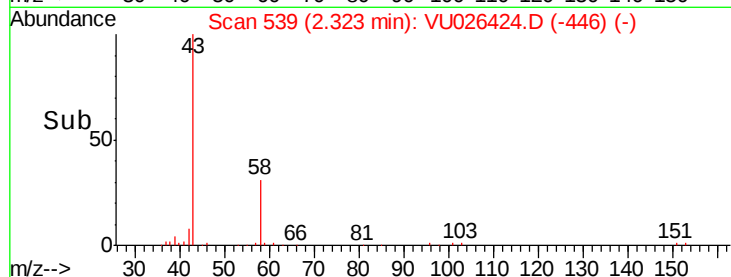
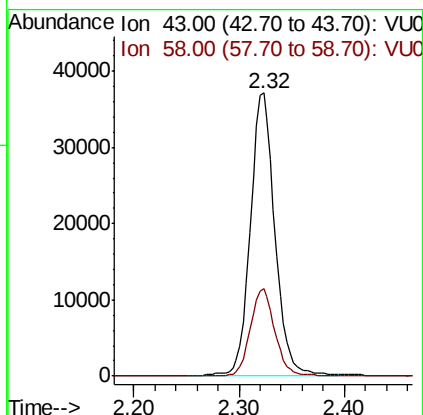
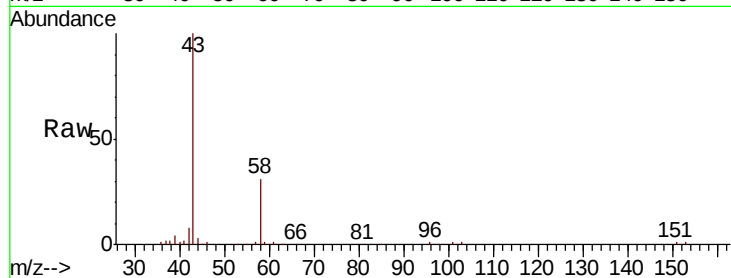
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 60757

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 49.803 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026424.D

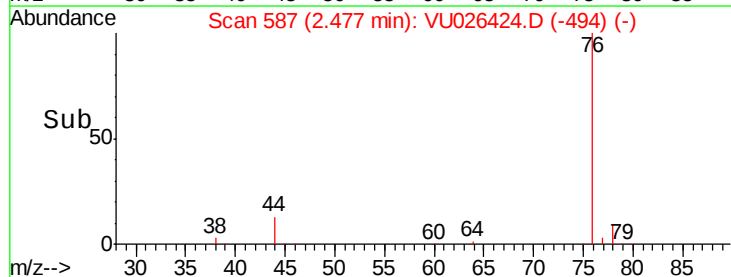
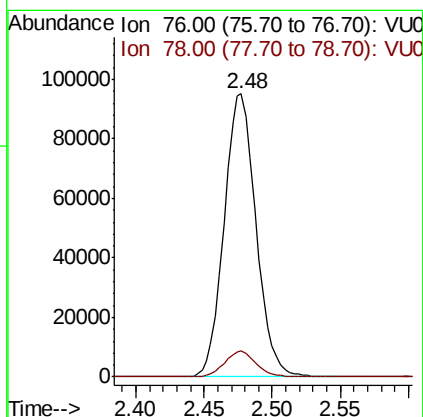
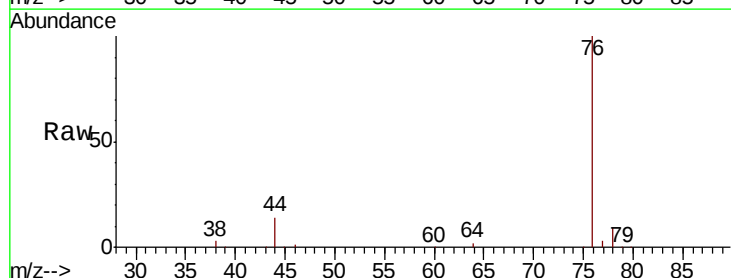
Acq: 29 Aug 2018 15:19

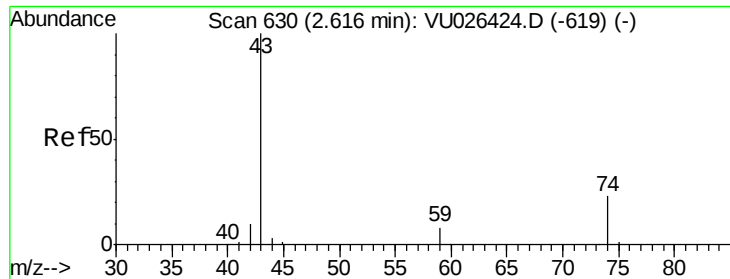
Tgt Ion: 76 Resp: 154349

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methvl Acetate

Concen: 50.497 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_U

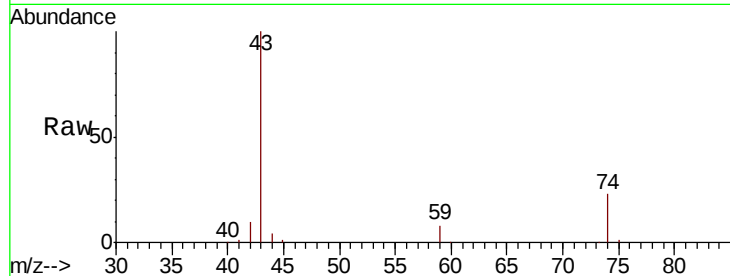
ClientSampleId :

Tot Ion: 43 Resp: 63345

Ion Ratio Lower Upper

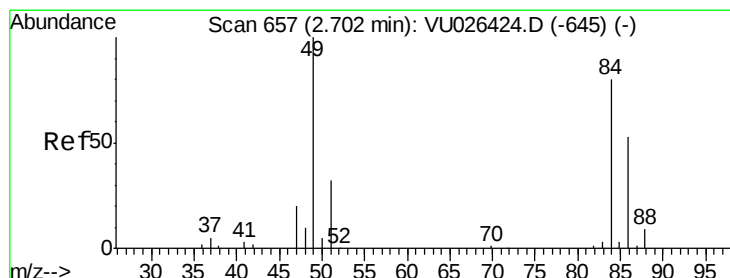
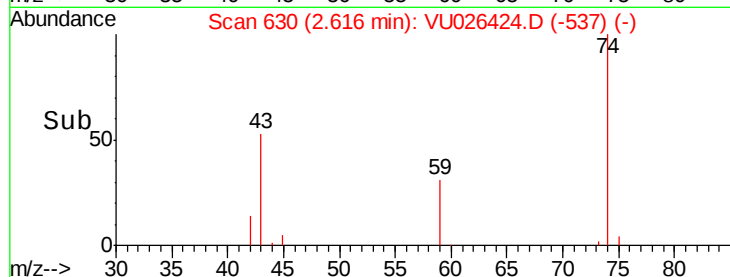
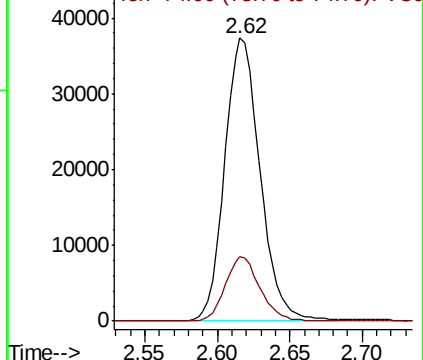
43 100

74 22.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 49.882 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

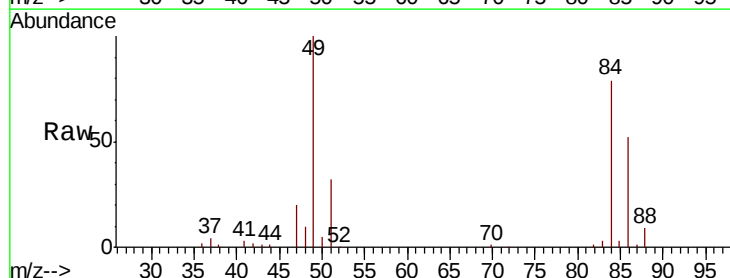
Tgt Ion: 84 Resp: 56165

Ion Ratio Lower Upper

84 100

86 66.0 46.2 85.8

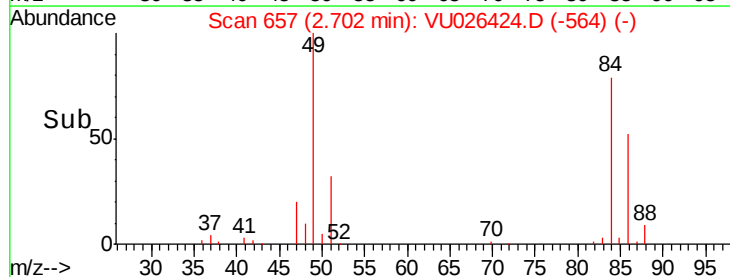
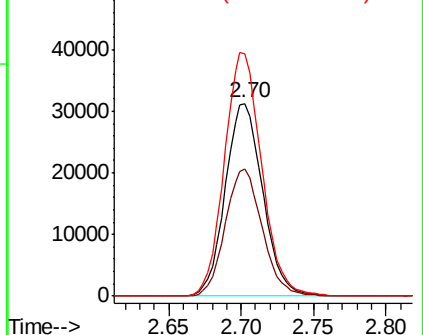
49 126.0 88.2 163.8

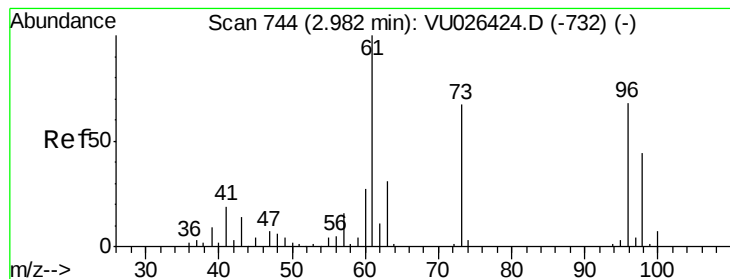


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 49.863 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Instrument :
MSVOA_U
ClientSampled :

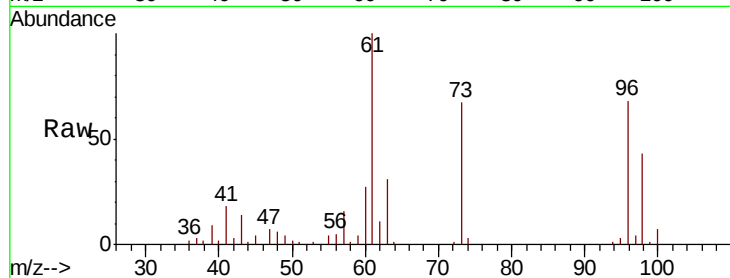
Tot Ion: 96 Resp: 49393

Ion Ratio Lower Upper

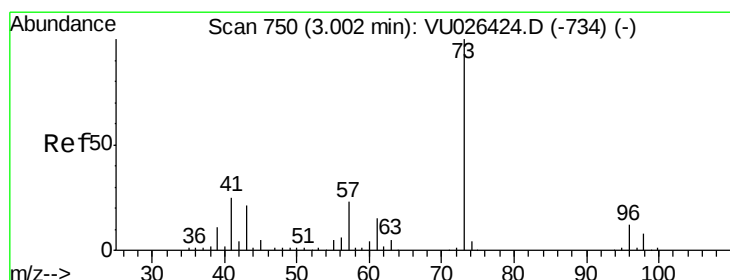
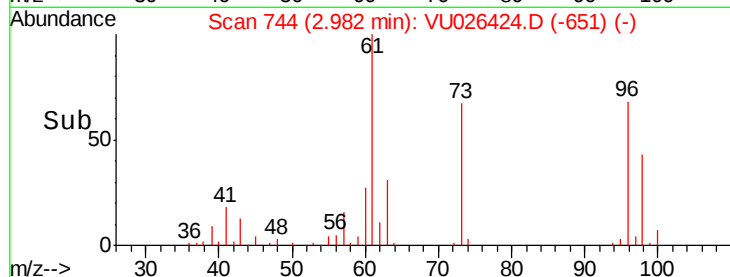
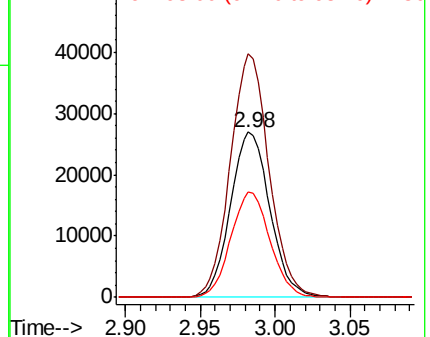
96 100

61 147.4 103.2 191.6

98 64.1 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: 50.639 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

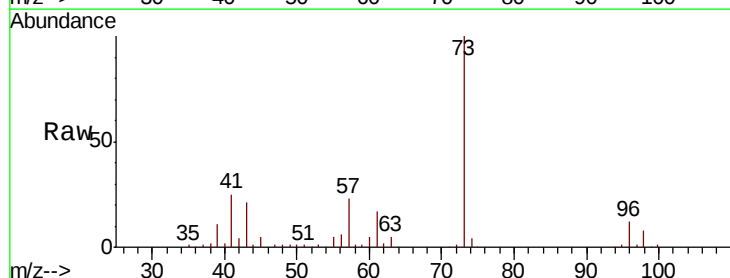
Tgt Ion: 73 Resp: 152275

Ion Ratio Lower Upper

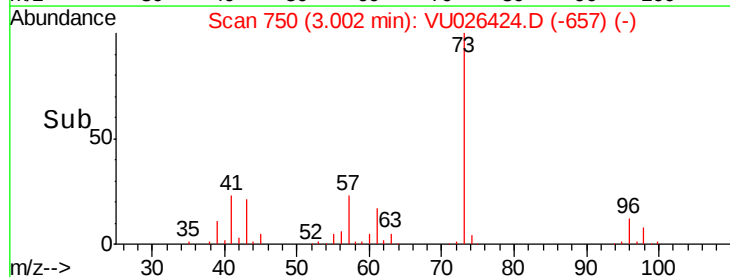
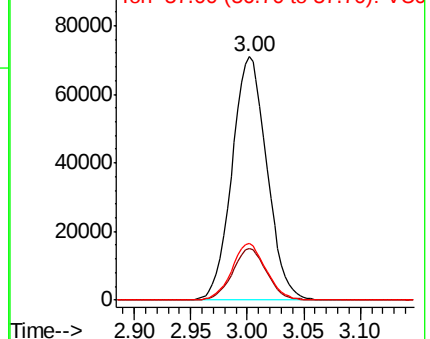
73 100

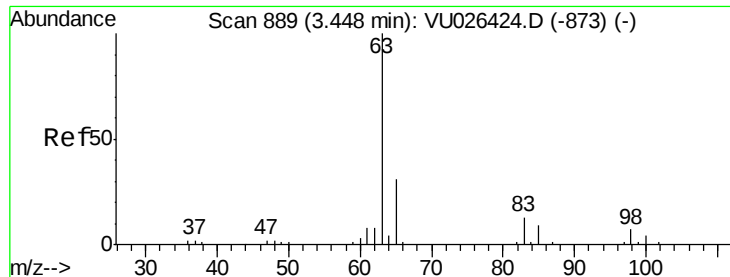
43 20.8 16.6 25.0

57 22.7 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

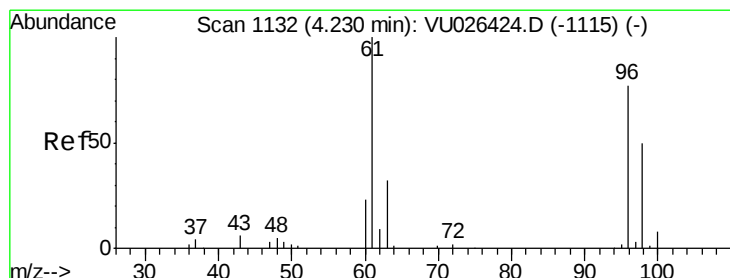
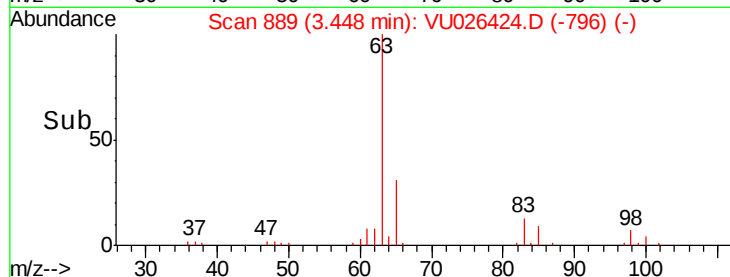
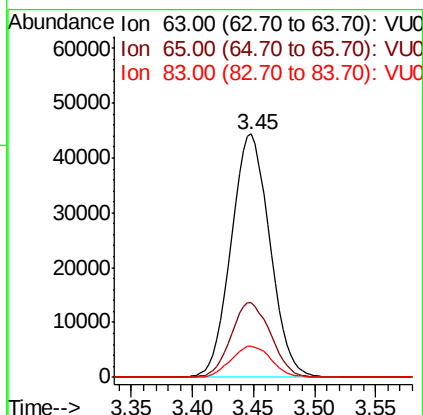
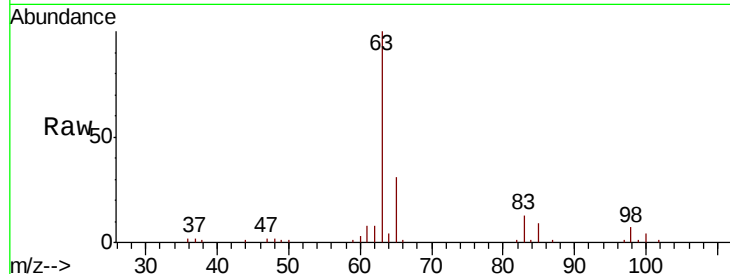




#19
 1,1-Dichloroethane
 Concen: 50.256 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

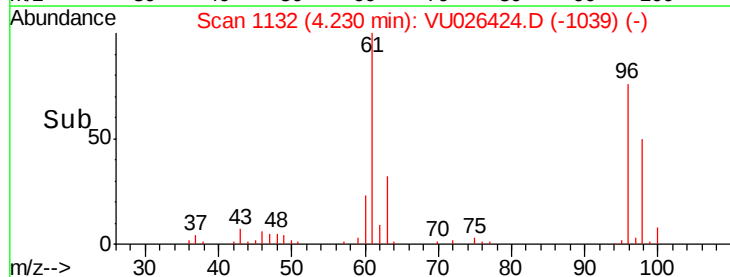
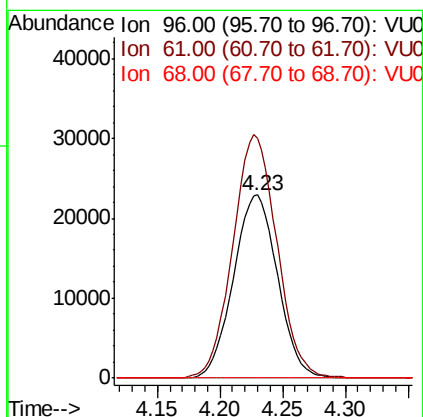
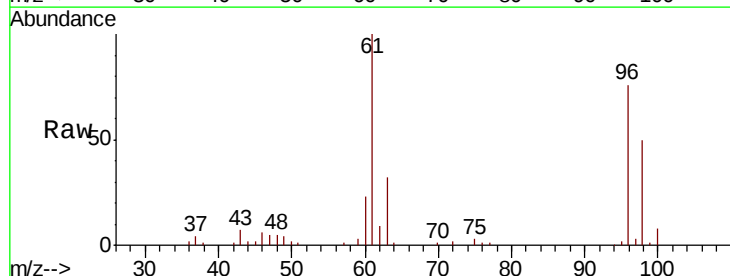
Instrument :
 MSVOA_U
 ClientSampled :

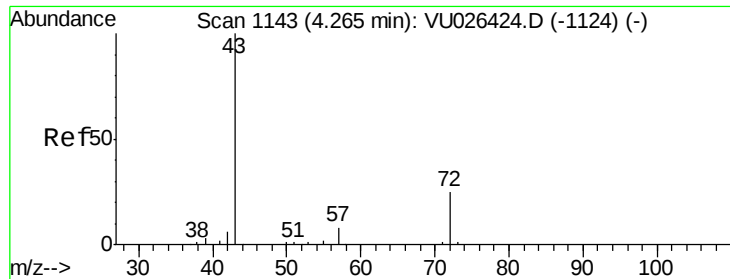
Tot Ion: 63 Resp: 97819
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.6 40.2
 83 12.6 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 50.562 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 96 Resp: 56108
 Ion Ratio Lower Upper
 96 100
 61 130.9 91.6 170.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.923 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

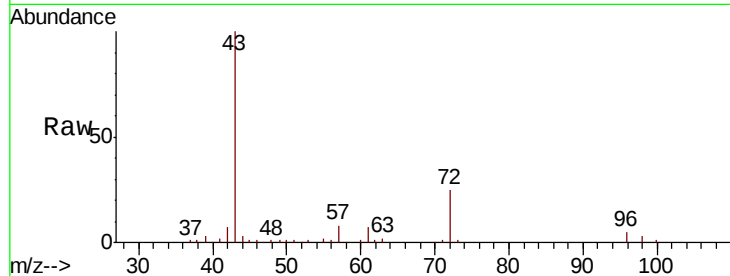
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 88382

Ion Ratio Lower Upper

43 100

72 25.9 13.0 38.9

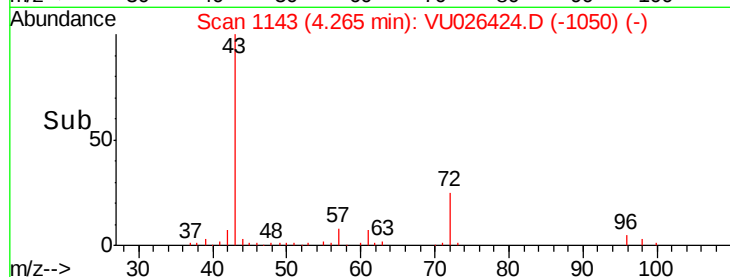


Abundance Ion 43.00 (42.70 to 43.70): VU026424.D (-1124) (-)

Ion 72.00 (71.70 to 72.70): VU026424.D (-1124) (-)

4.27

Time-->



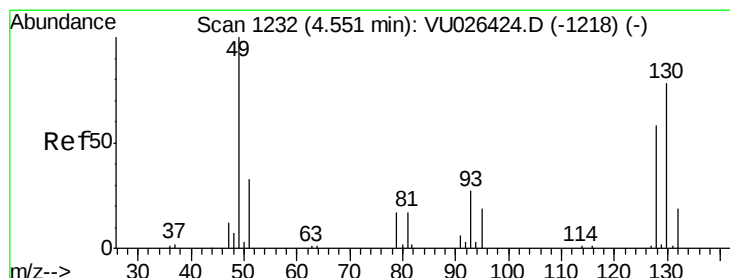
Abundance

Ion 43.00 (42.70 to 43.70): VU026424.D (-1050) (-)

Ion 72.00 (71.70 to 72.70): VU026424.D (-1050) (-)

4.27

Time-->



#23

Bromochloromethane

Concen: 50.741 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Tgt Ion:128 Resp: 29009

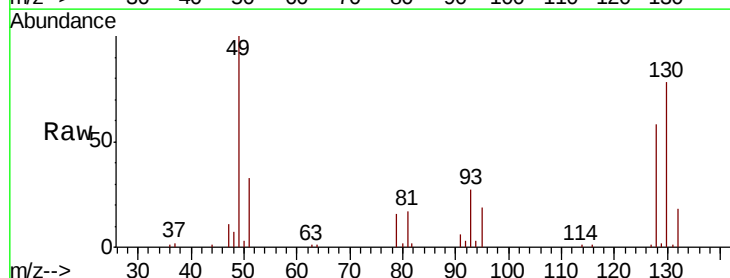
Ion Ratio Lower Upper

128 100

49 173.1 121.2 225.0

130 134.4 94.1 174.7

51 56.4 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026424.D (-1218) (-)

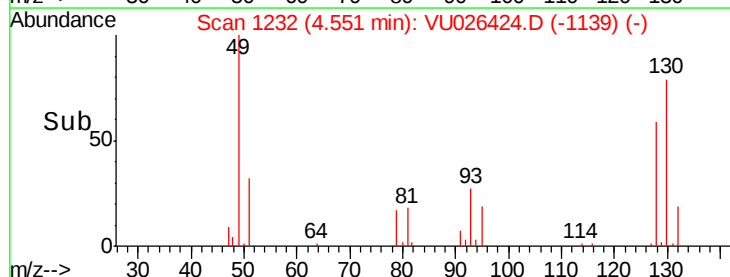
Ion 49.00 (48.70 to 49.70): VU026424.D (-1218) (-)

Ion 130.00 (129.70 to 130.70): VU026424.D (-1218) (-)

Ion 51.00 (50.70 to 51.70): VU026424.D (-1218) (-)

4.55

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VU026424.D (-1139) (-)

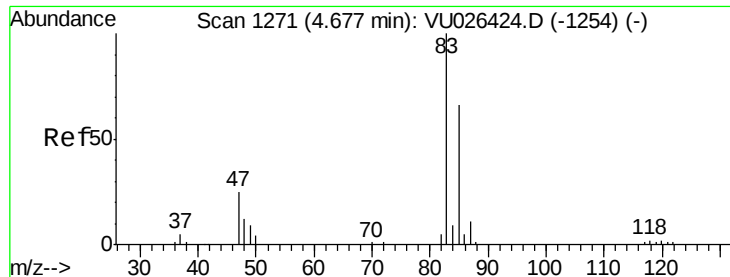
Ion 49.00 (48.70 to 49.70): VU026424.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026424.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026424.D (-1139) (-)

4.55

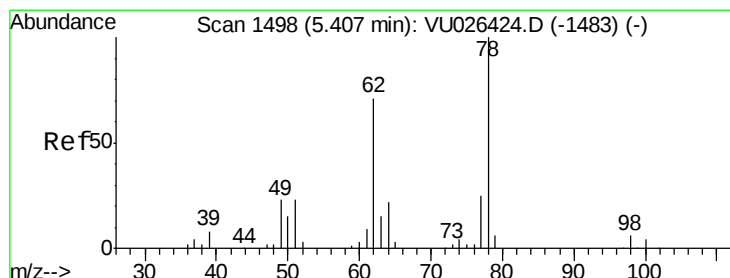
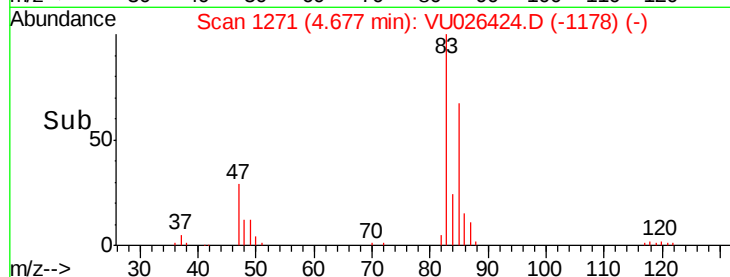
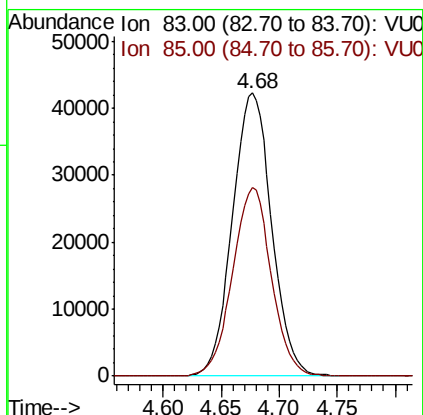
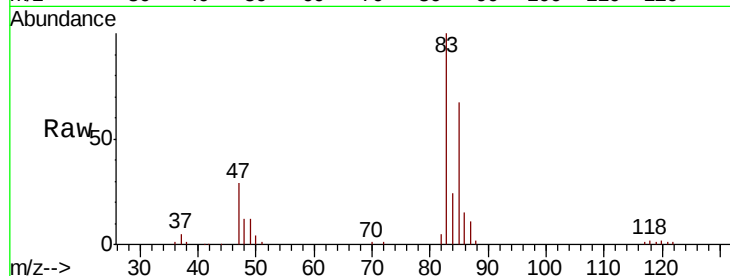
Time-->



#25
Chloroform
Concen: 49.957 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026424.D
Acq: 29 Aug 2018 15:19

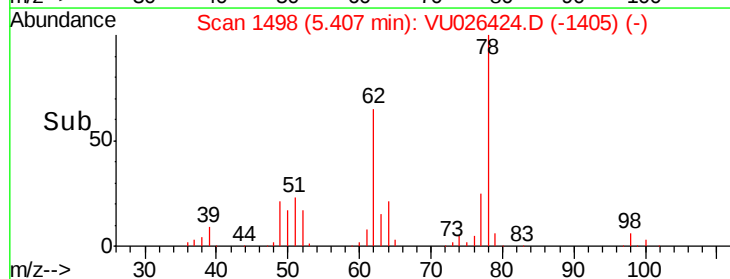
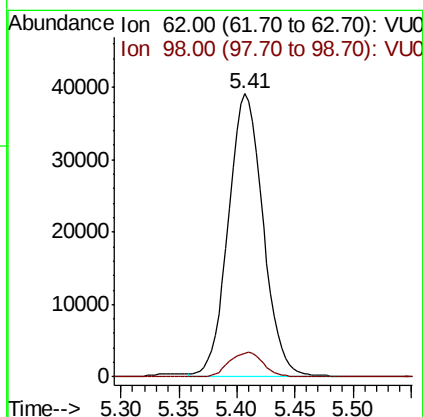
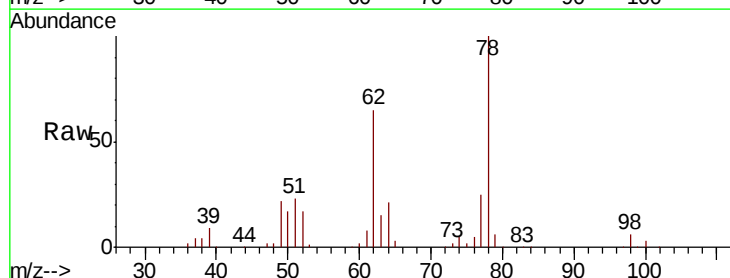
Instrument :
MSVOA_U
ClientSampleId :

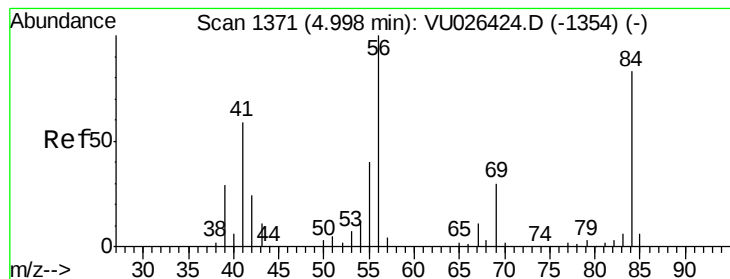
Tot Ion: 83 Resp: 99303
Ion Ratio Lower Upper
83 100
85 66.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 50.745 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026424.D
Acq: 29 Aug 2018 15:19

Tgt Ion: 62 Resp: 81352
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 52.880 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Instrument :
MSVOA_U
ClientSampled :

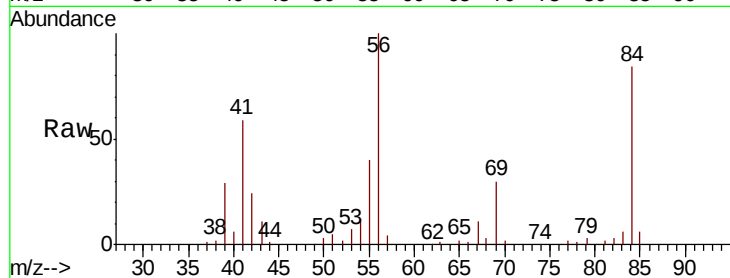
Tot Ion: 56 Resp: 85171

Ion Ratio Lower Upper

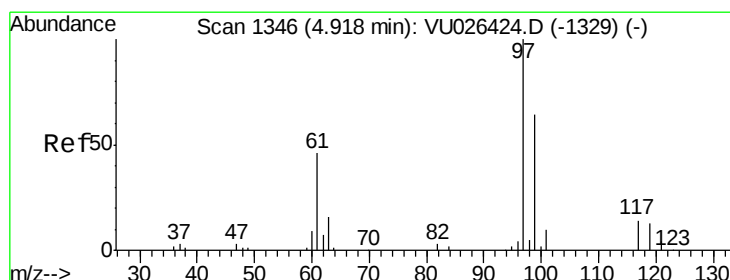
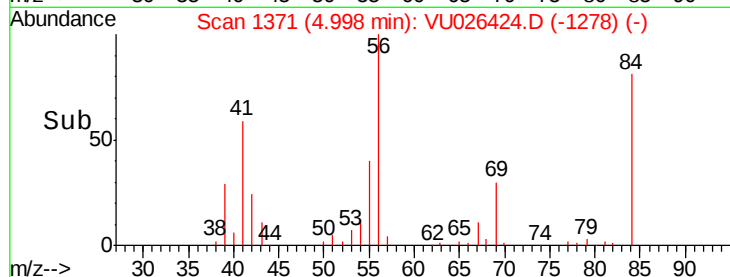
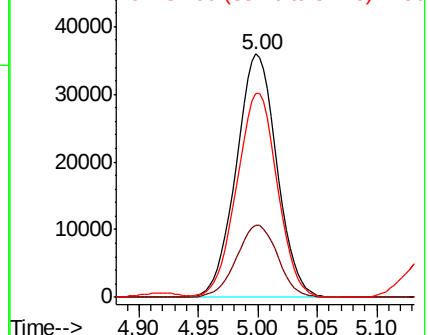
56 100

69 30.0 24.0 36.0

84 84.0 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: 50.833 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

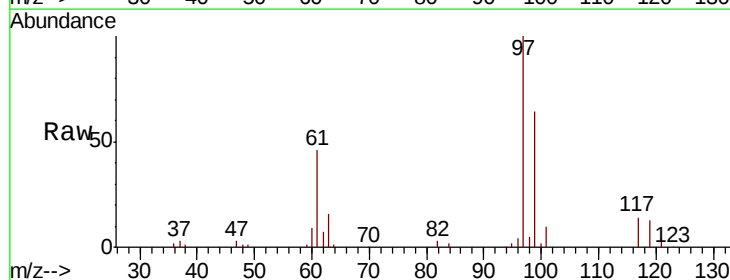
Tgt Ion: 97 Resp: 82691

Ion Ratio Lower Upper

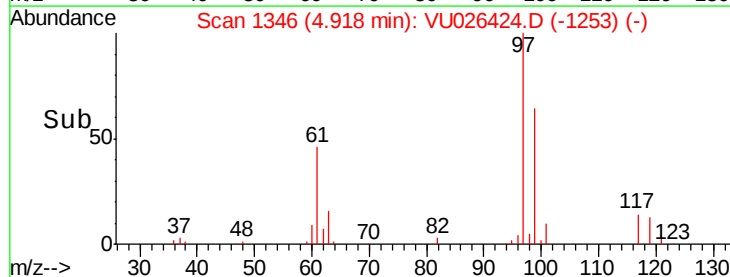
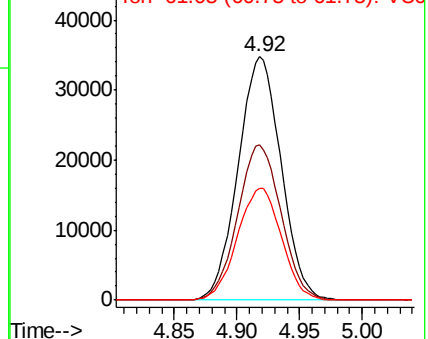
97 100

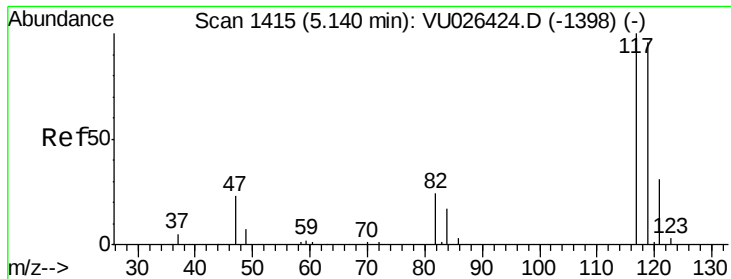
99 64.5 51.6 77.4

61 47.4 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: 50.935 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_U

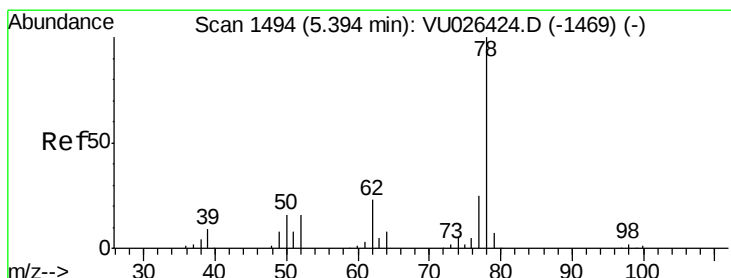
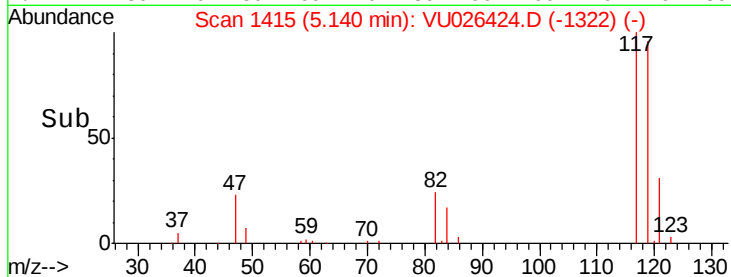
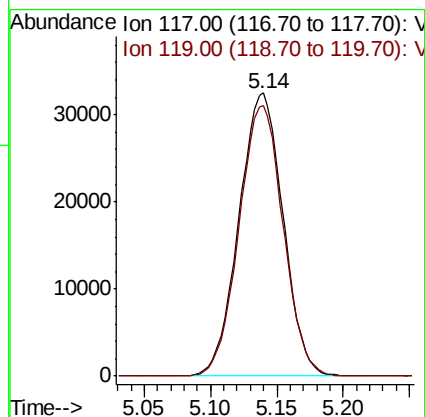
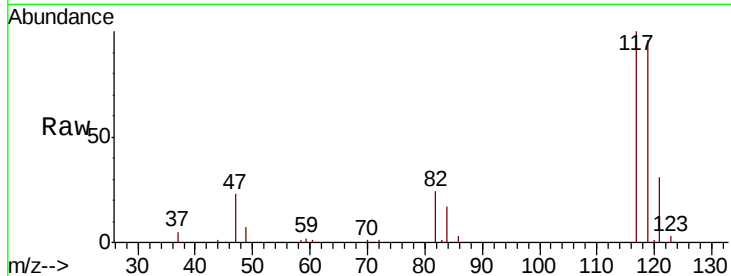
ClientSampleId :

Tot Ion:117 Resp: 75286

Ion Ratio Lower Upper

117 100

119 95.5 76.4 114.6



#33

Benzene

Concen: 51.843 ug/L

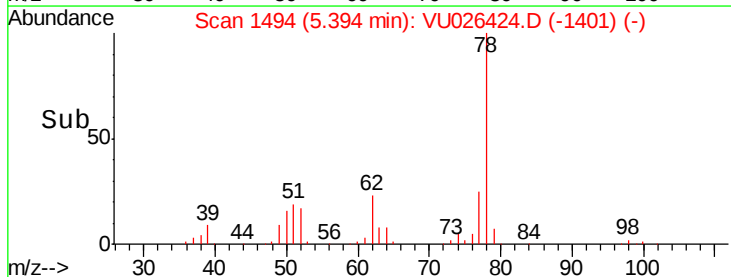
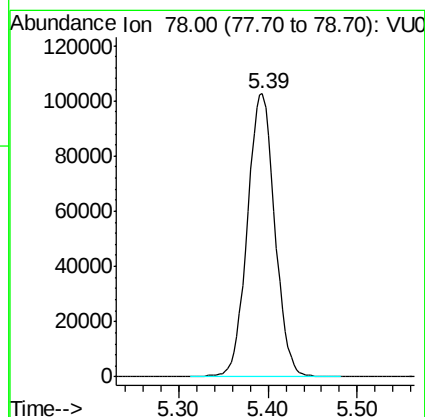
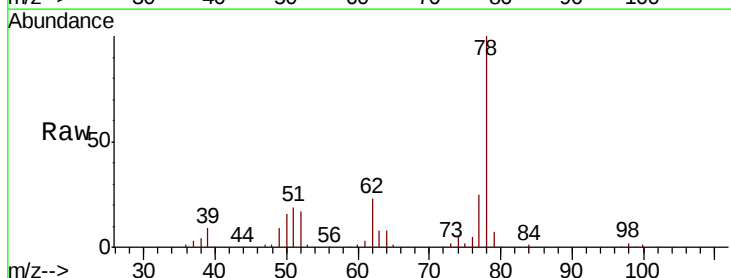
RT: 5.39 min Scan# 1494

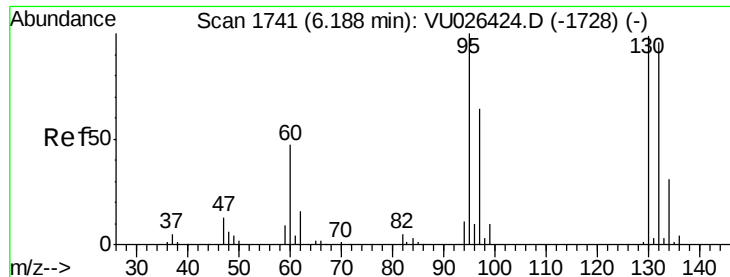
Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Tgt Ion: 78 Resp: 219709

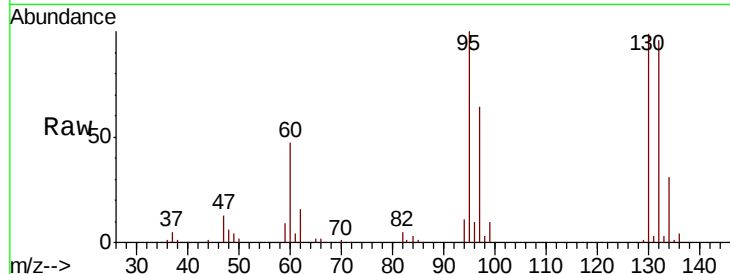




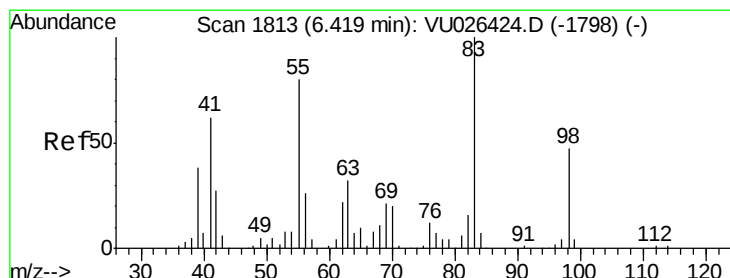
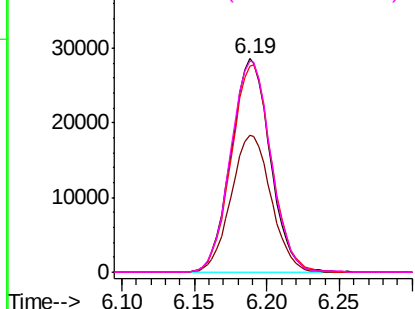
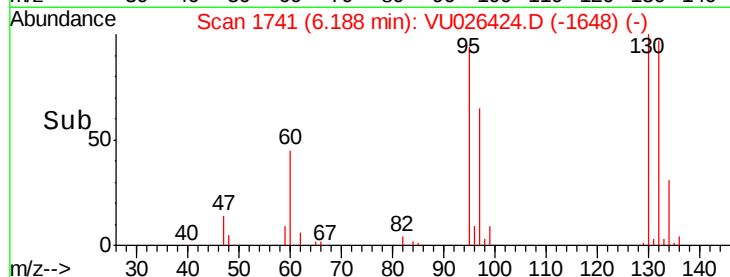
#34
 Trichloroethene
 Concen: 50.425 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 53602
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.1 83.7
 132 96.4 67.5 125.3
 130 99.0 69.3 128.7

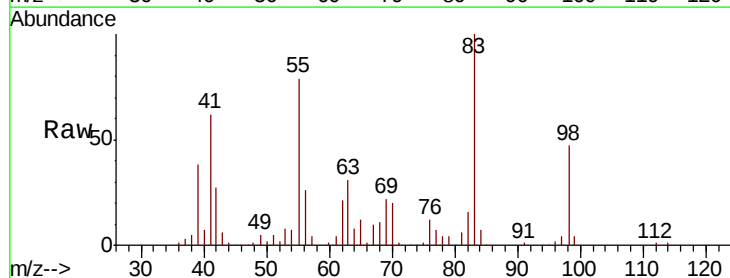


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

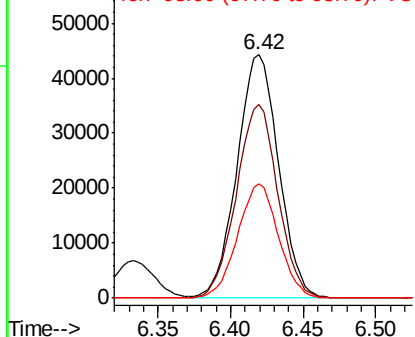
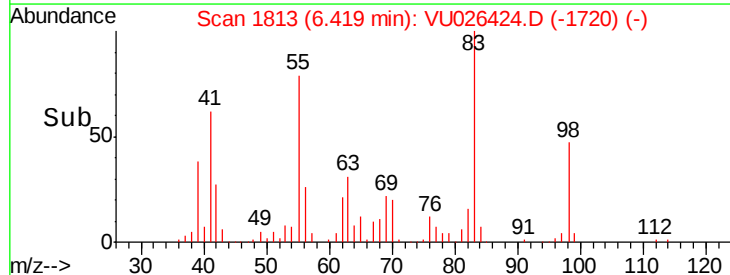


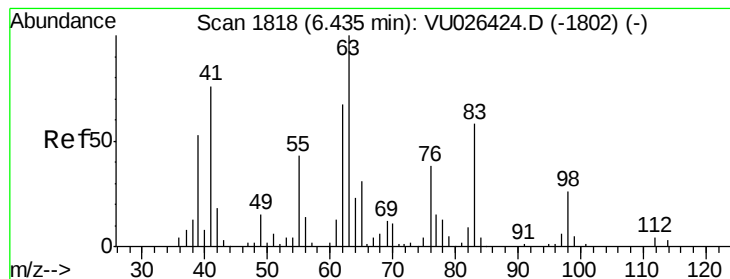
#35
 Methylcyclohexane
 Concen: 53.267 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 83 Resp: 88417
 Ion Ratio Lower Upper
 83 100
 55 79.1 63.3 94.9
 98 45.9 36.7 55.1



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





#37

1,2-Dichloropropane

Concen: 51.933 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_U

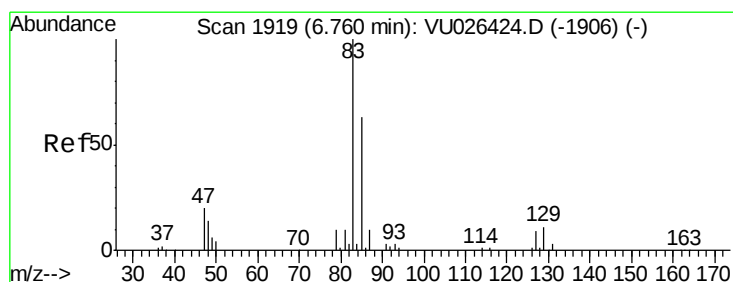
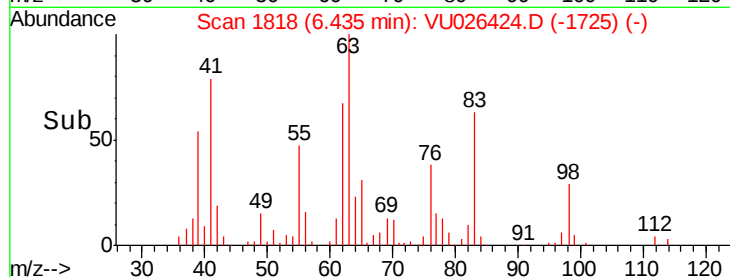
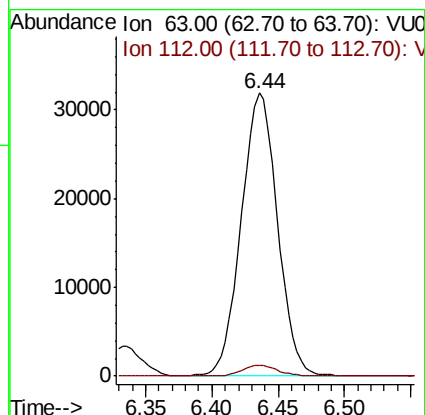
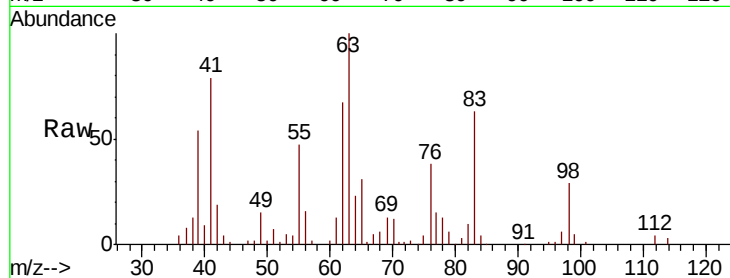
ClientSampled :

Tot Ion: 63 Resp: 60930

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 51.124 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

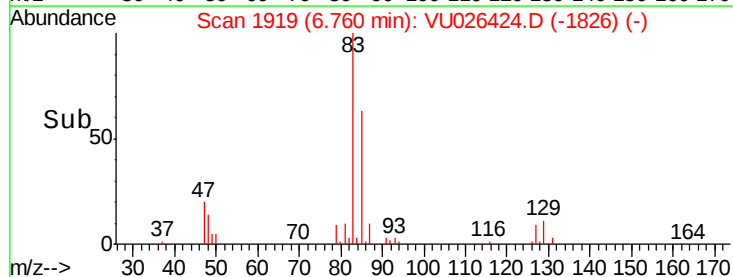
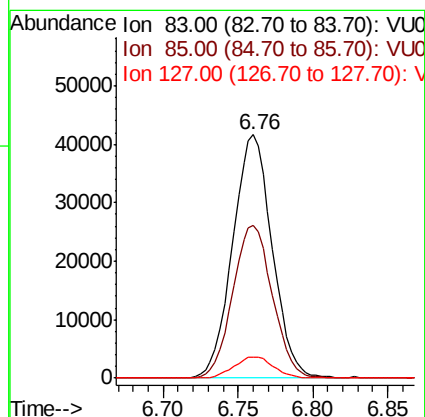
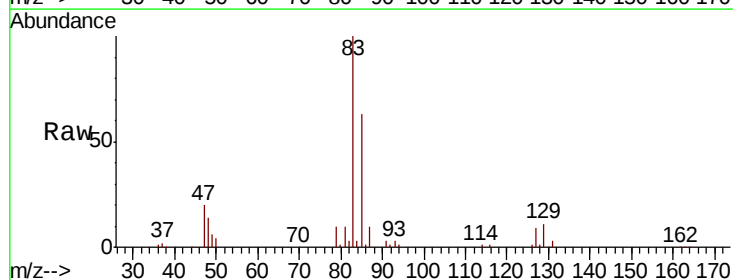
Tgt Ion: 83 Resp: 76489

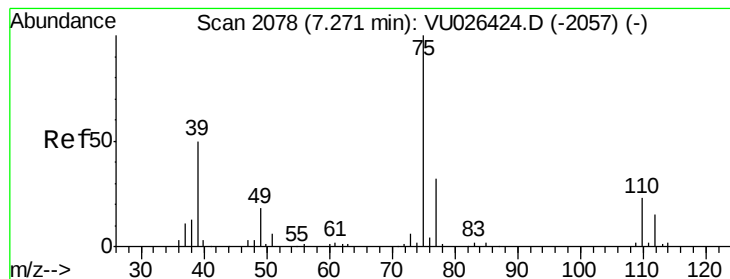
Ion Ratio Lower Upper

83 100

85 62.7 43.9 81.5

127 8.8 7.0 10.6



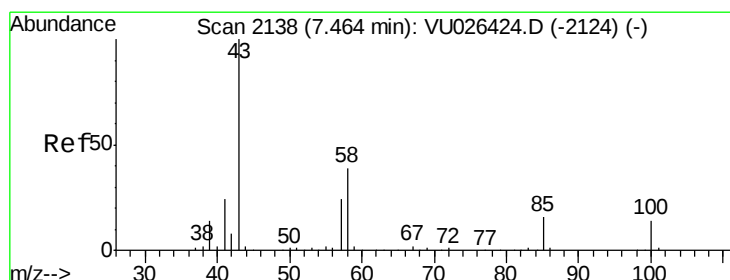
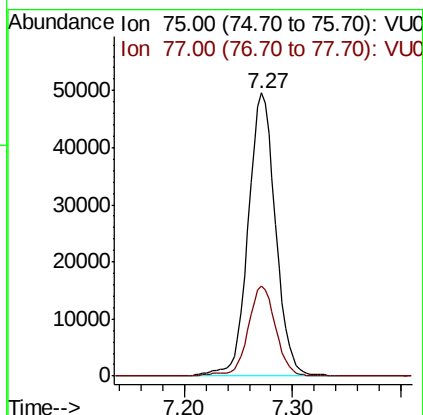
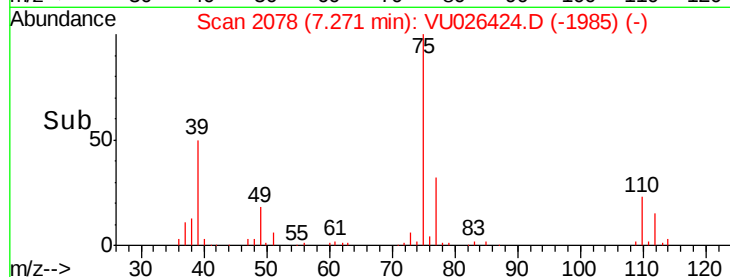
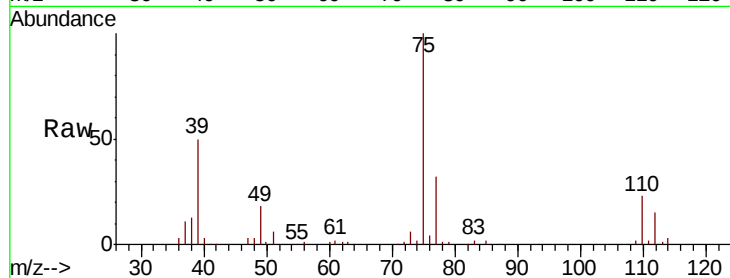


#39

cis-1,3-Dichloropropene
 Concen: 52.334 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Instrument :
 MSVOA_U
 ClientSampled :

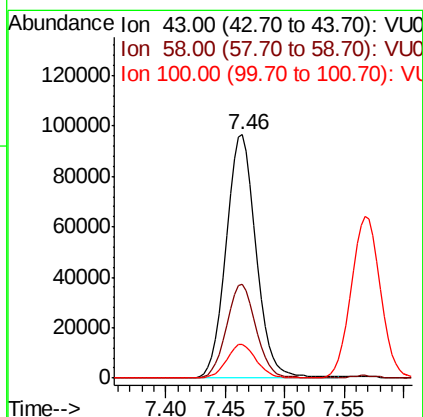
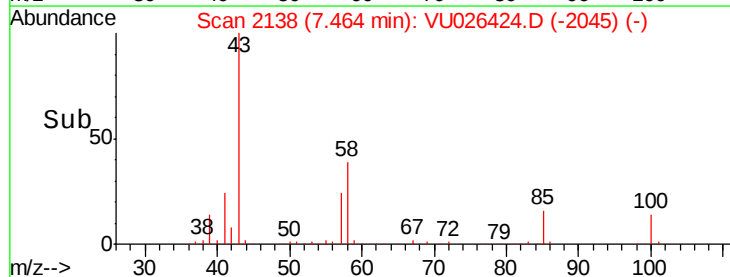
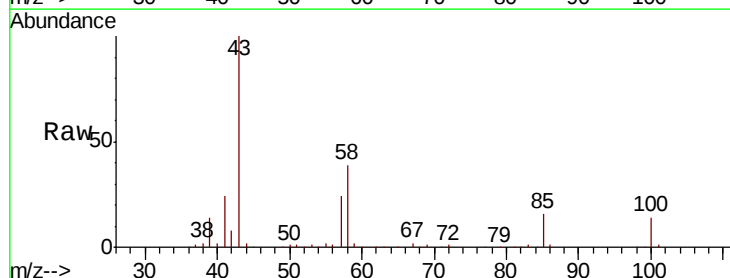
Tot Ion: 75 Resp: 87489
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2

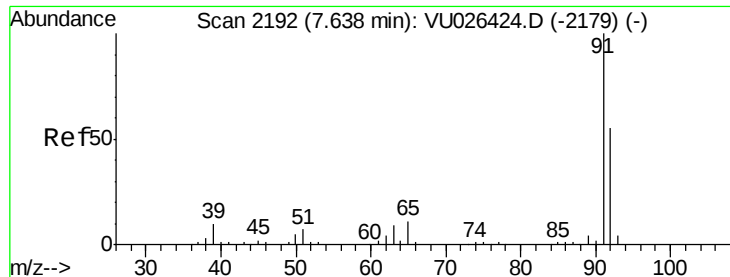


#40

4-Methyl-2-pentanone
 Concen: 106.727 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 43 Resp: 168869
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.4 45.6
 100 13.7 11.0 16.4





#42

Toluene

Concen: 53.292 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

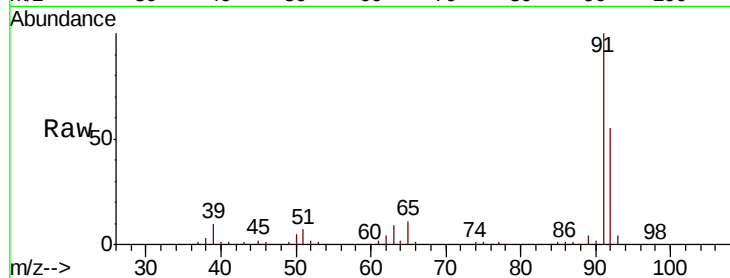
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 235664

Ion Ratio Lower Upper

91 100

92 55.3 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU026424.D (-2179) (-)

Ion 92.00 (91.70 to 92.70): VU026424.D (-2179) (-)

7.64

150000

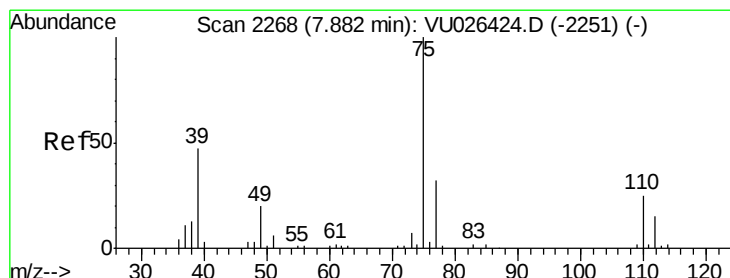
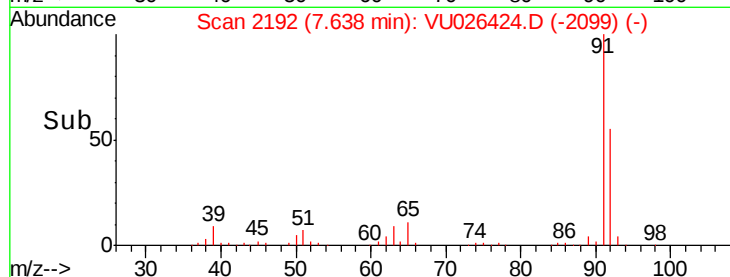
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.403 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026424.D

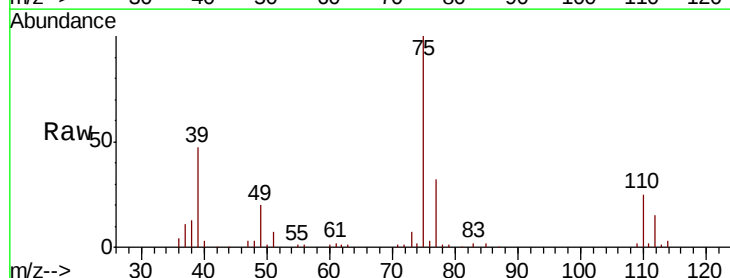
Acq: 29 Aug 2018 15:19

Tgt Ion: 75 Resp: 81904

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU026424.D (-2251) (-)

Ion 77.00 (76.70 to 77.70): VU026424.D (-2251) (-)

7.88

50000

40000

30000

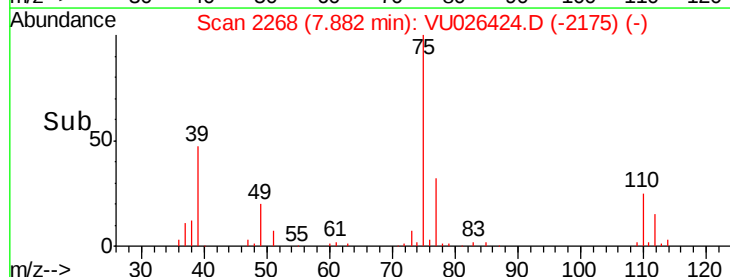
20000

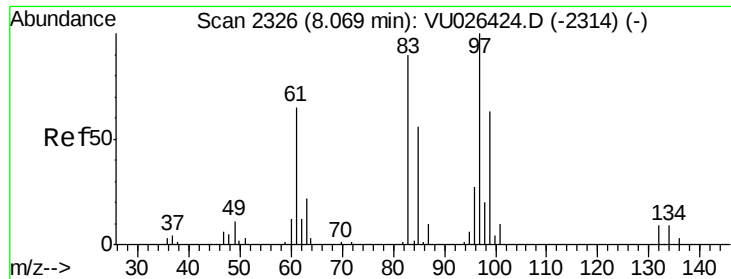
10000

0

7.80 7.85 7.90 7.95

Time-->

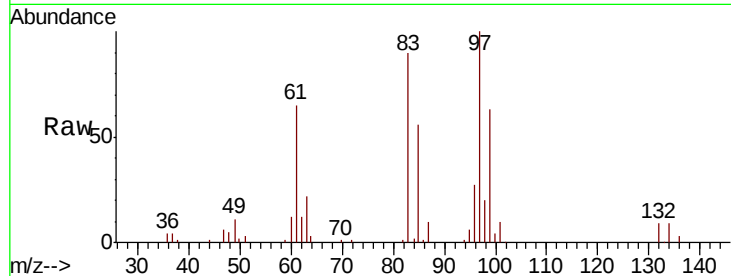




#45
 1,1,2-Trichloroethane
 Concen: 50.911 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	54719
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.9	81.5
83	89.6	62.7	116.5
85	56.3	39.4	73.2



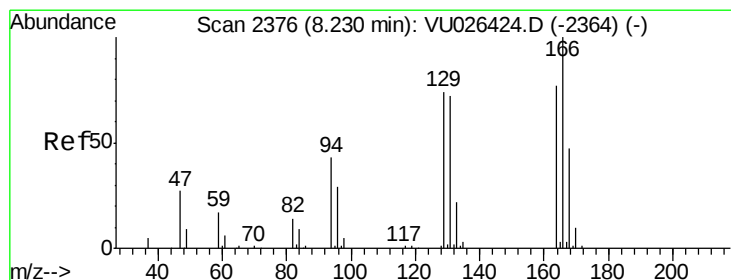
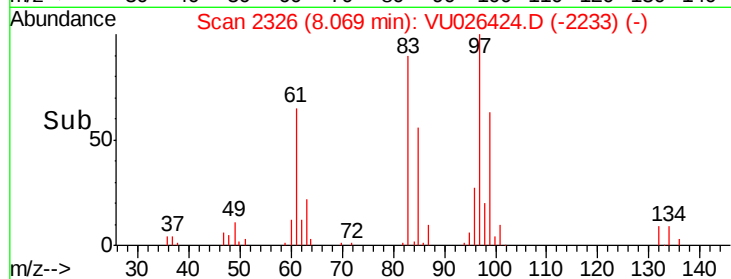
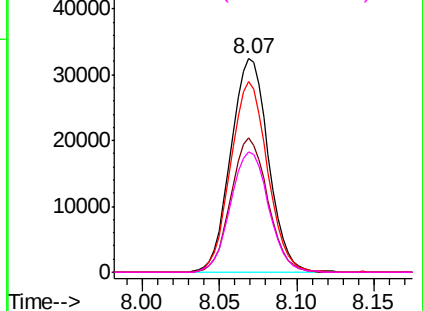
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

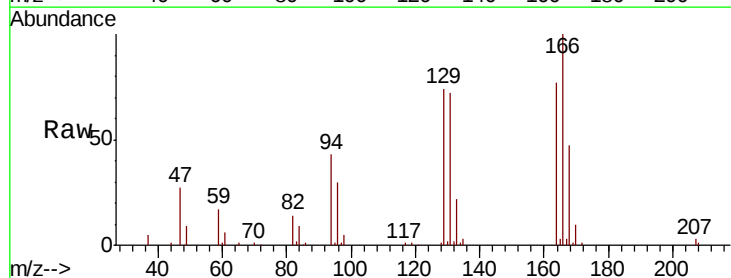
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 50.116 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion:	164	Resp:	43556
Ion	Ratio	Lower	Upper
164	100		
129	96.2	67.3	125.1
131	93.3	65.3	121.3
166	129.8	90.9	168.7



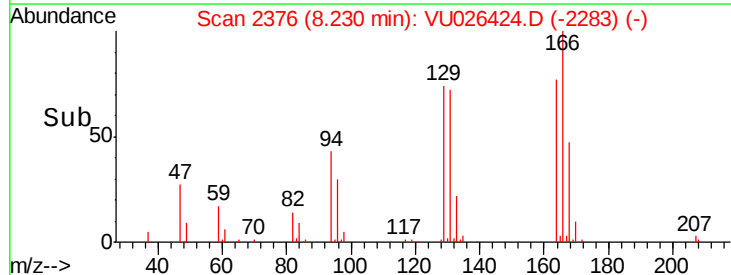
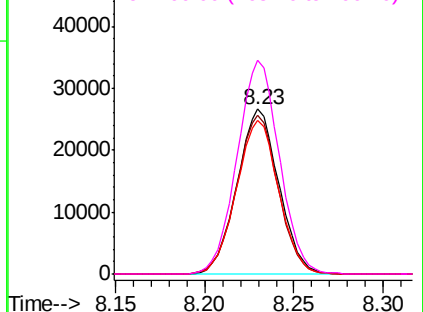
Abundance

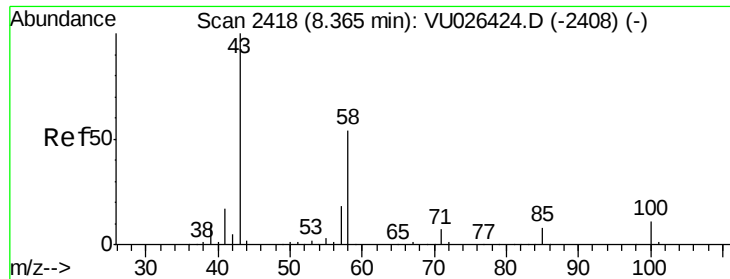
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

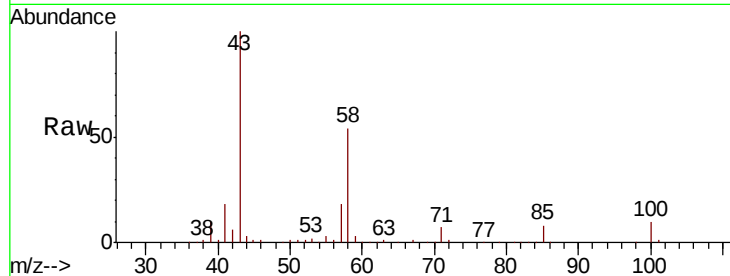




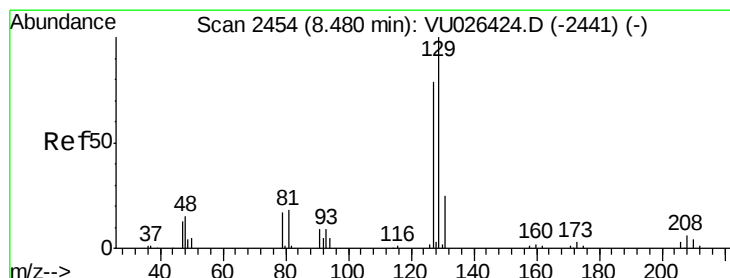
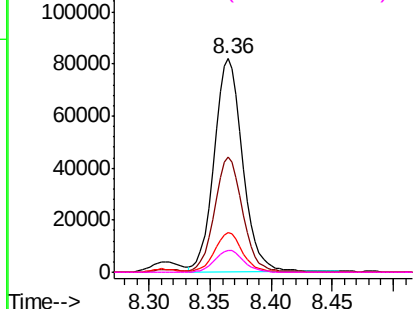
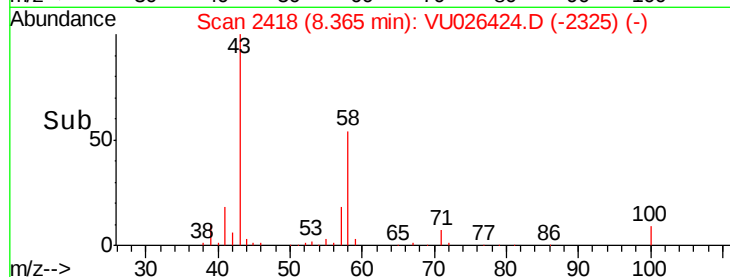
#48
2-Hexanone
Concen: 108.089 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026424.D
Acq: 29 Aug 2018 15:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 134695
Ion Ratio Lower Upper
43 100
58 52.8 42.2 63.4
57 18.2 14.6 21.8
100 10.4 8.3 12.5

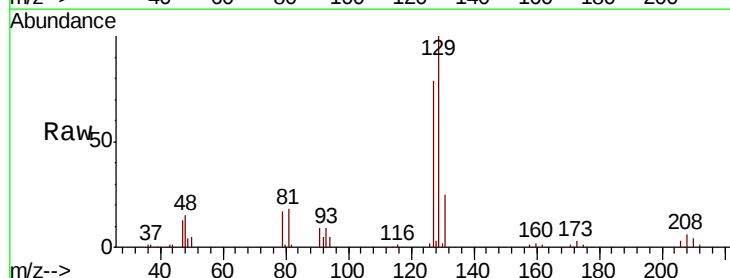


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

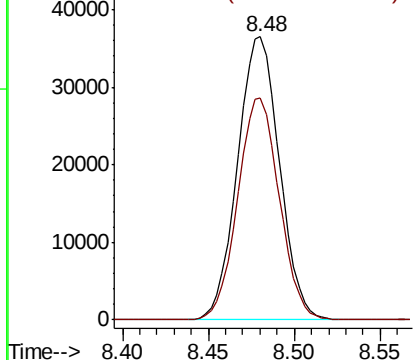
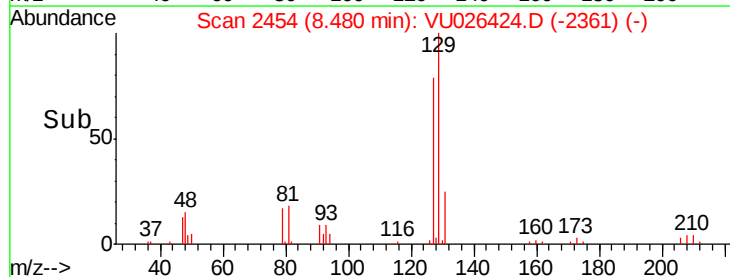


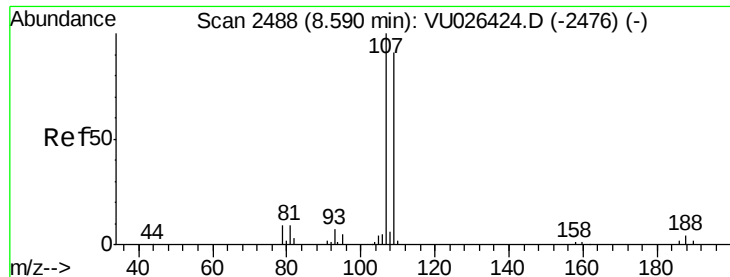
#49
Dibromochloromethane
Concen: 51.116 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026424.D
Acq: 29 Aug 2018 15:19

Tgt Ion: 129 Resp: 61903
Ion Ratio Lower Upper
129 100
127 78.6 55.0 102.2



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

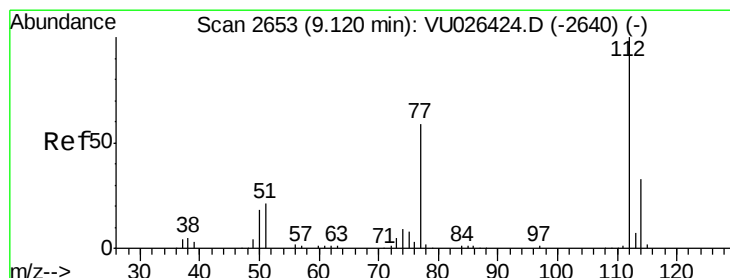
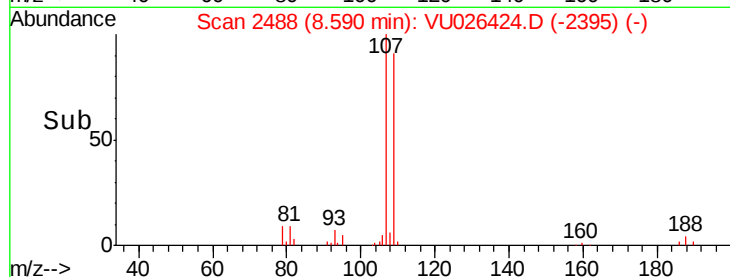
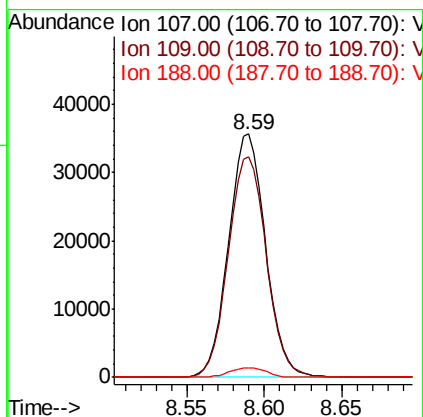
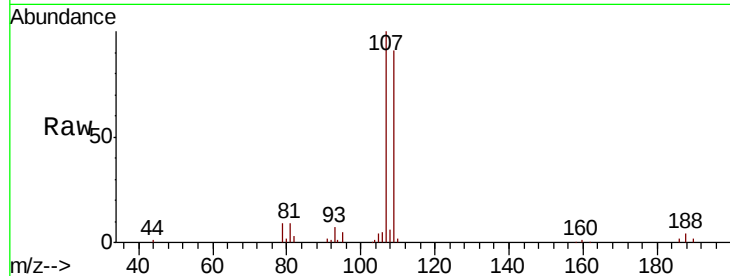




#50
 1,2-Dibromoethane
 Concen: 51.666 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

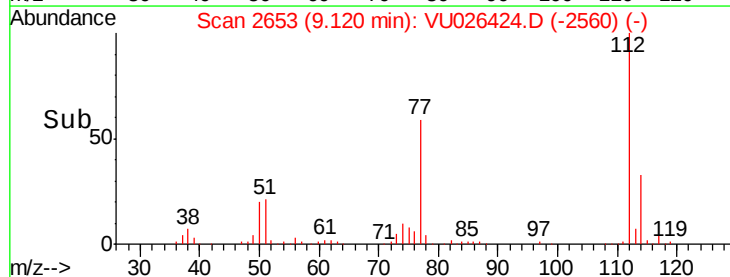
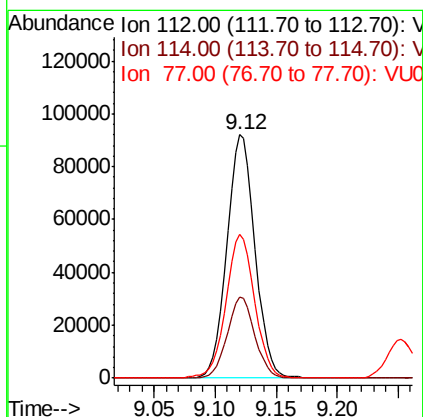
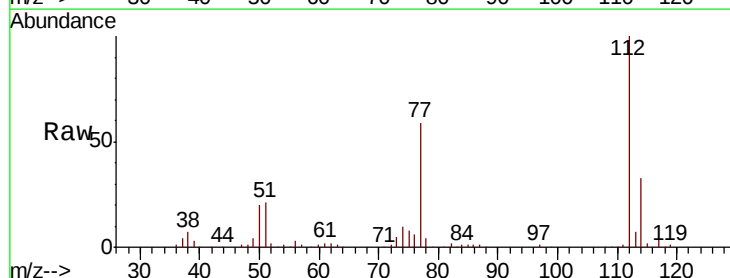
Instrument :
 MSVOA_U
 ClientSampleId :

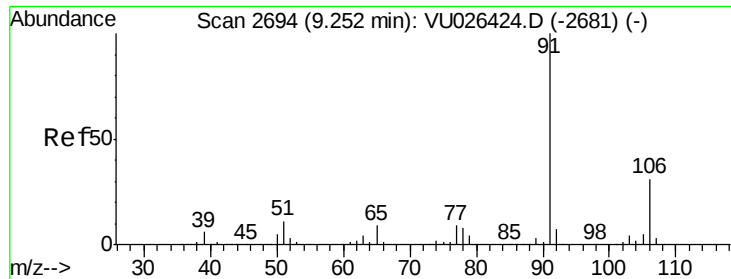
Tot Ion:107 Resp: 59132
 Ion Ratio Lower Upper
 107 100
 109 90.6 63.4 117.8
 188 4.0 3.2 4.8



#51
 Chlorobenzene
 Concen: 50.218 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion:112 Resp: 148503
 Ion Ratio Lower Upper
 112 100
 114 33.2 23.2 43.2
 77 59.1 47.3 70.9





#52

Ethylbenzene

Concen: 52.481 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

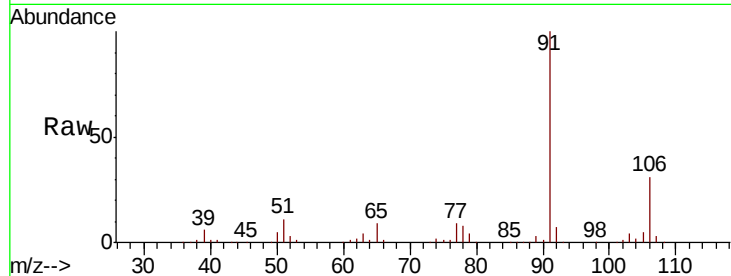
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 252408

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026424.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU026424.D (-2681) (-)

9.25

150000

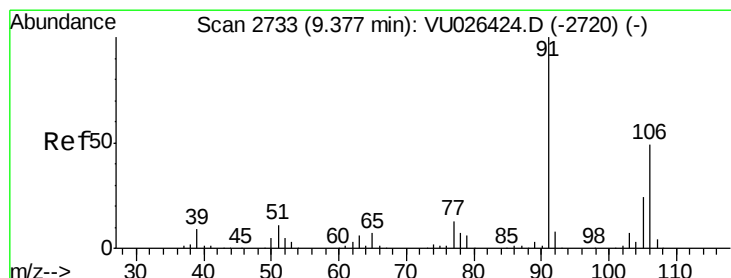
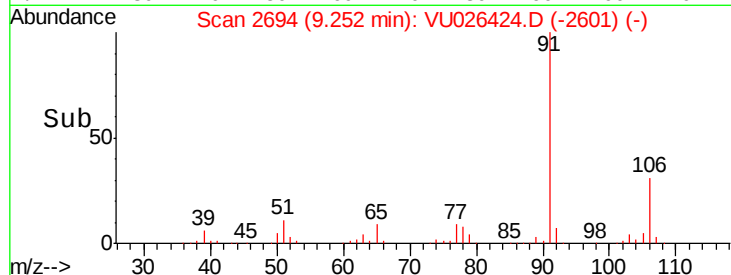
100000

50000

0

9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 53.211 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026424.D

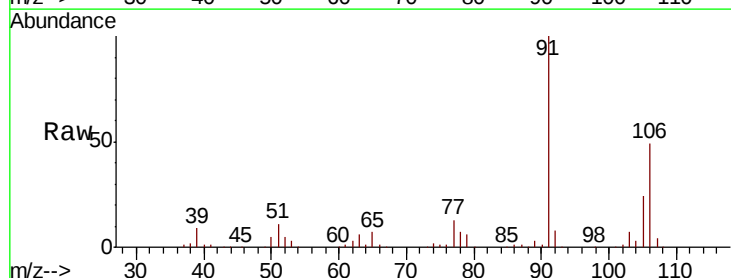
Acq: 29 Aug 2018 15:19

Tgt Ion: 106 Resp: 95558

Ion Ratio Lower Upper

106 100

91 204.3 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026424.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU026424.D (-2720) (-)

9.38

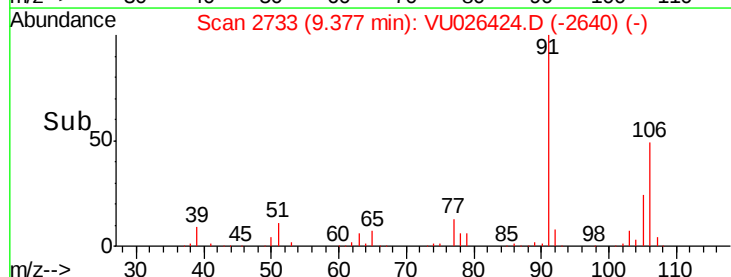
100000

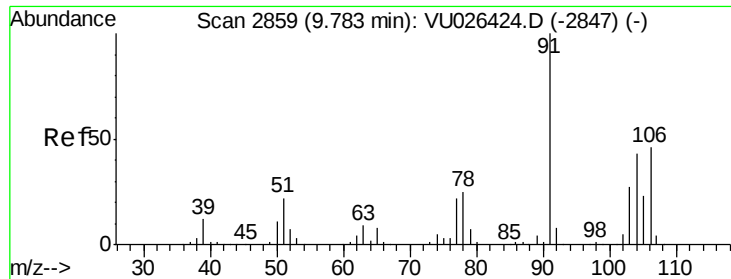
50000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 53.571 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

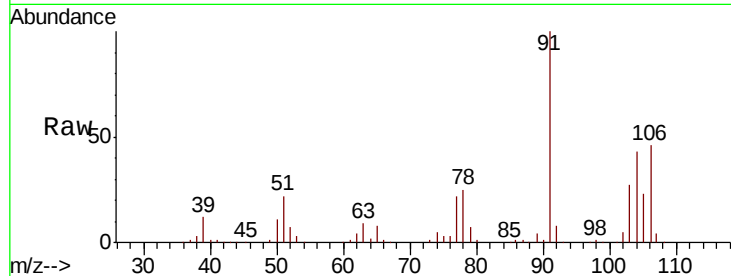
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 93818

Ion Ratio Lower Upper

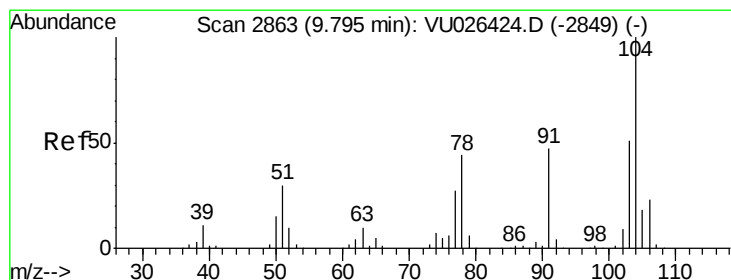
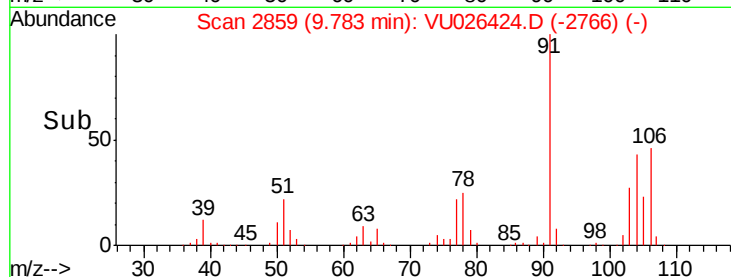
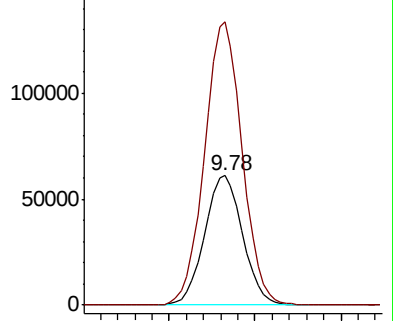
106 100

91 219.0 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.316 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026424.D

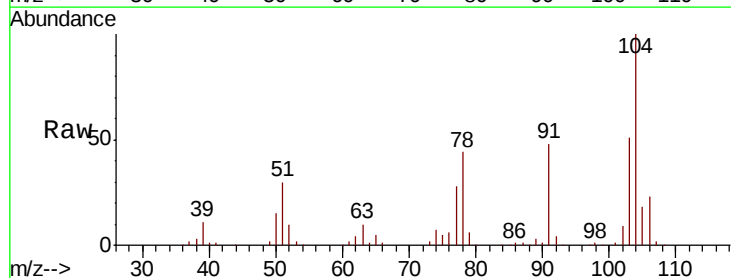
Acq: 29 Aug 2018 15:19

Tgt Ion:104 Resp: 166171

Ion Ratio Lower Upper

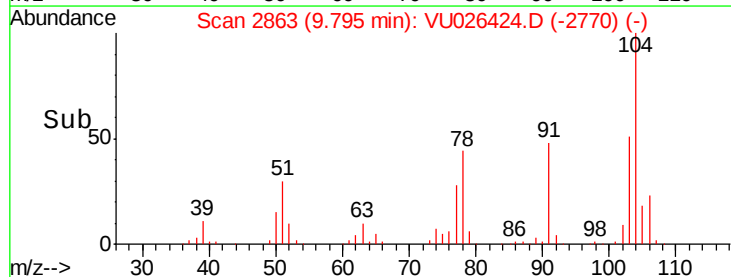
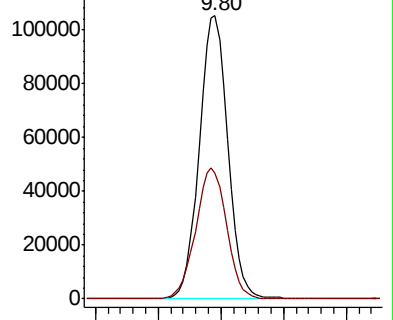
104 100

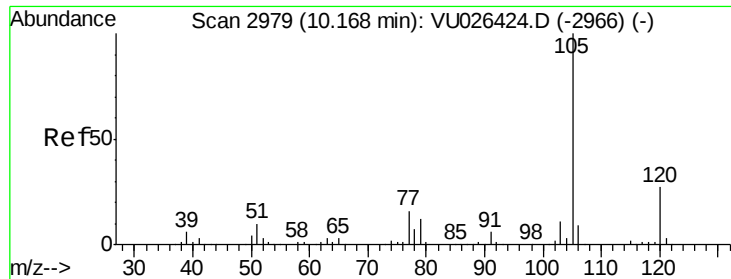
78 44.4 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.583 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_U

ClientSampleId :

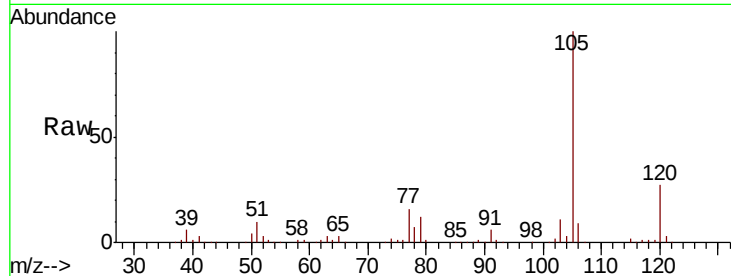
Tot Ion:105 Resp: 245637

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

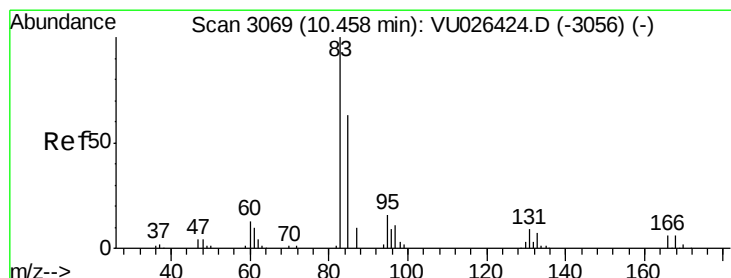
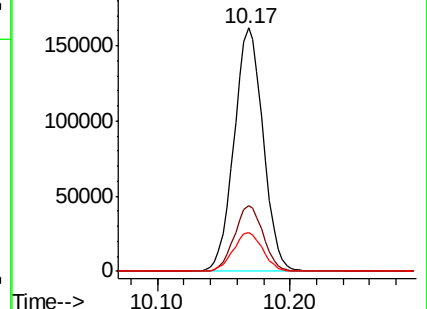
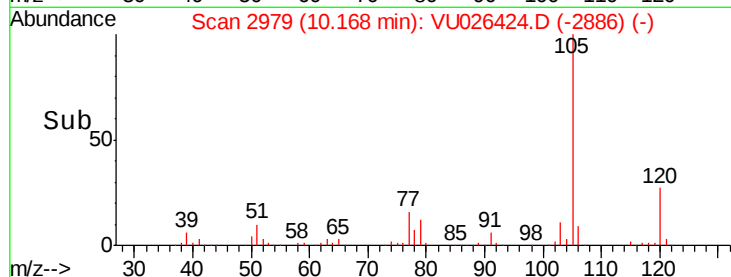
77 16.1 12.9 19.3



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: 51.056 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

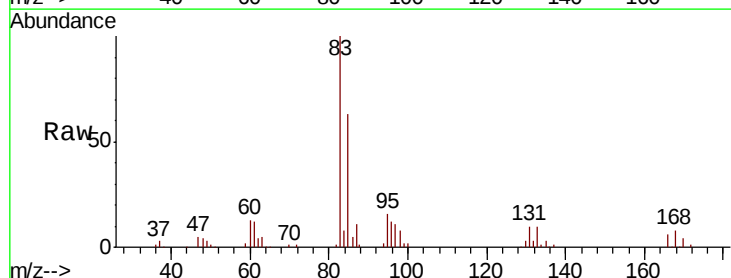
Tgt Ion: 83 Resp: 96661

Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

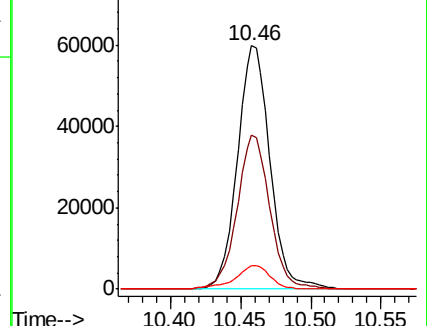
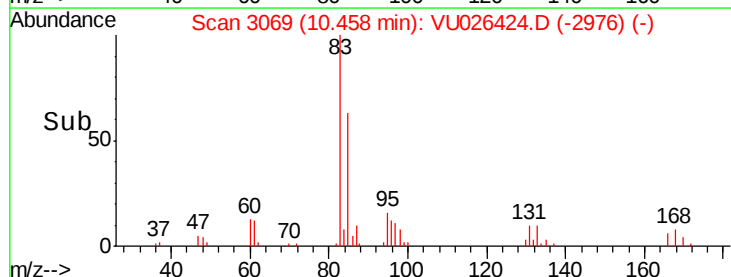
131 9.8 7.8 11.8

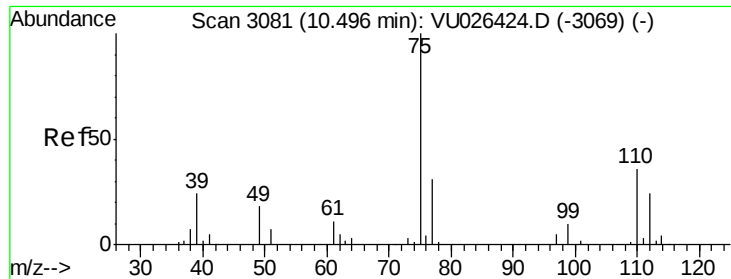


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

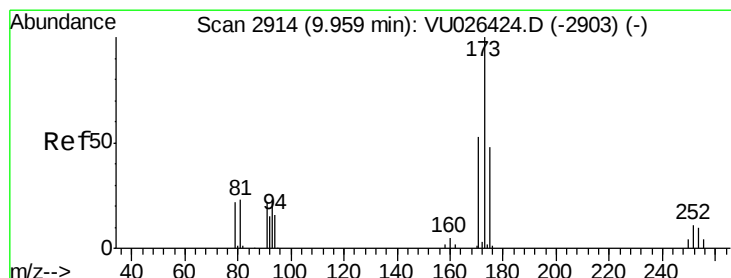
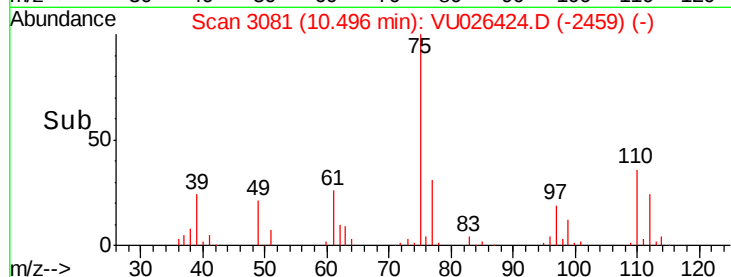
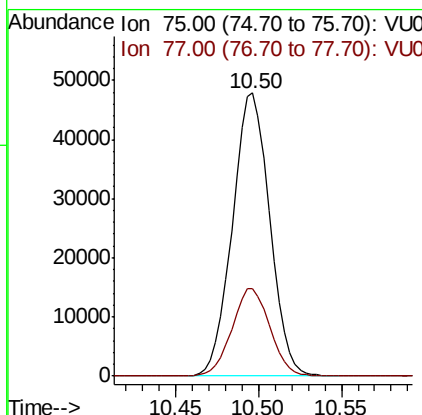
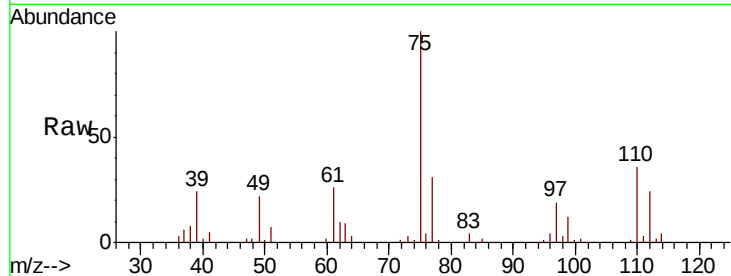




#59
 1,2,3-Trichloropropane
 Concen: 51.252 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

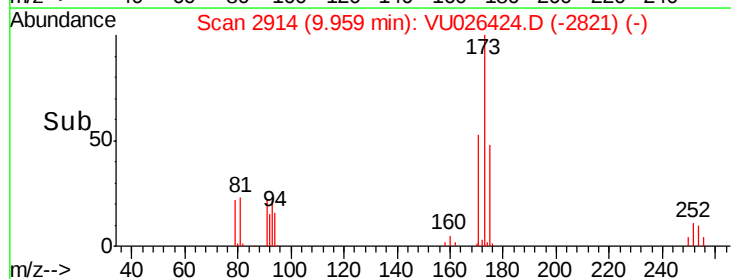
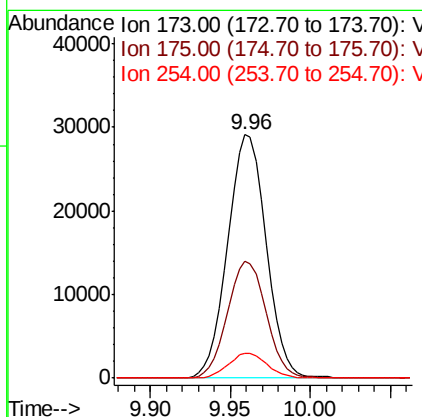
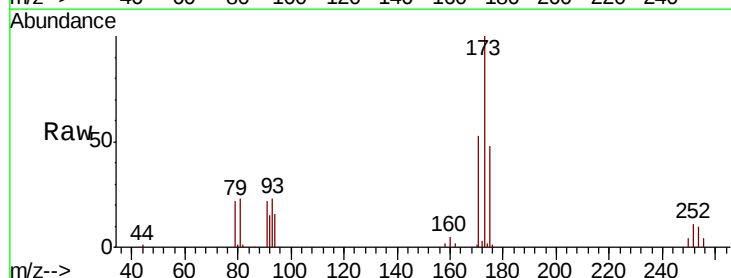
Instrument :
 MSVOA_U
 ClientSampleId :

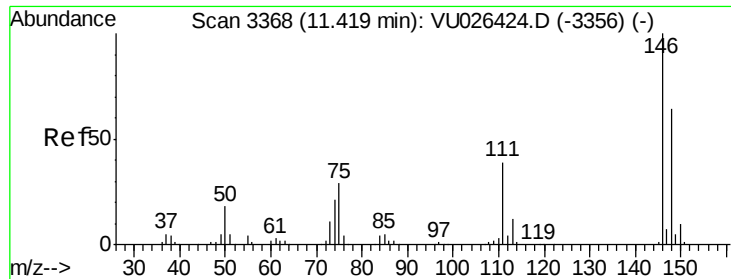
Tot Ion: 75 Resp: 75030
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6



#61
 Bromoform
 Concen: 50.411 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion:173 Resp: 47815
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.5 57.7
 254 10.1 8.1 12.1

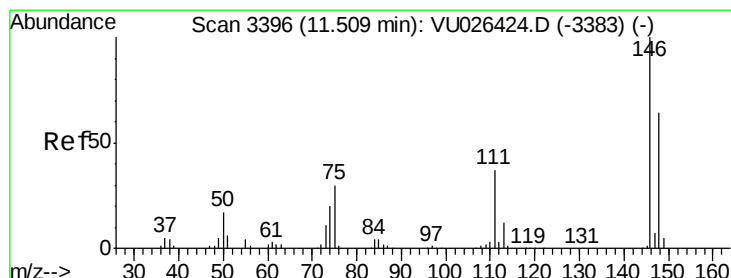
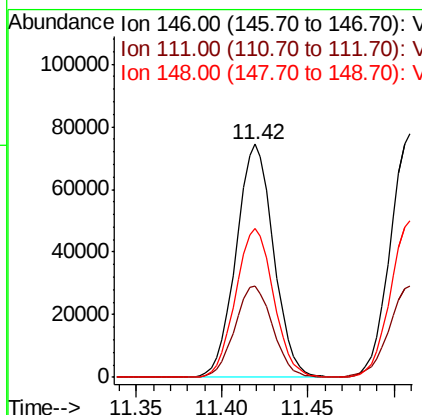
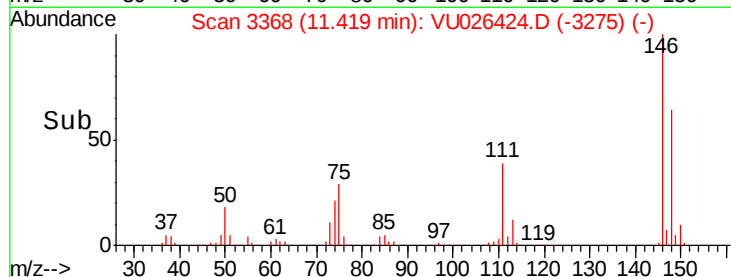
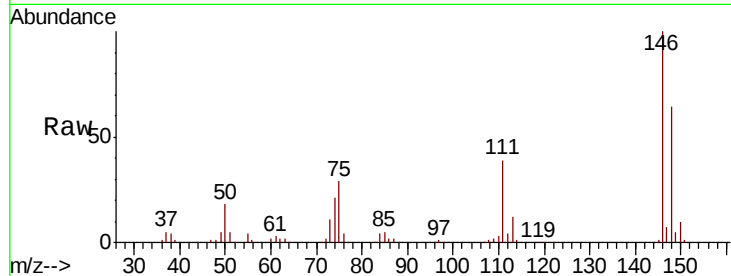




#62
 1,3-Dichlorobenzene
 Concen: 50.117 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

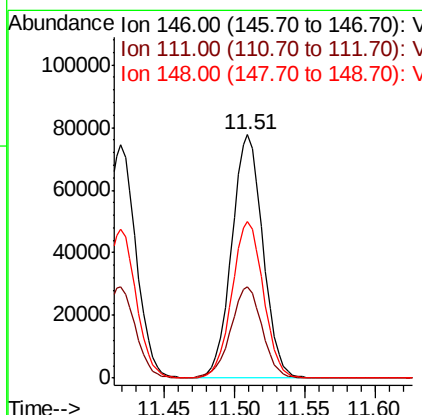
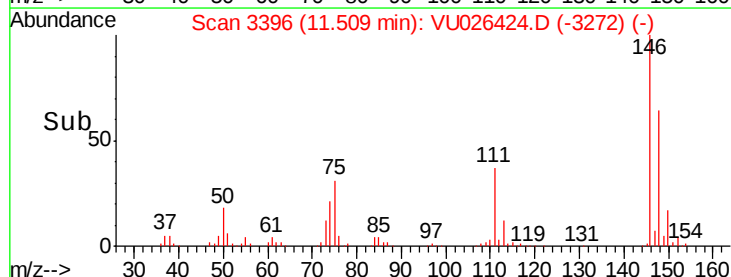
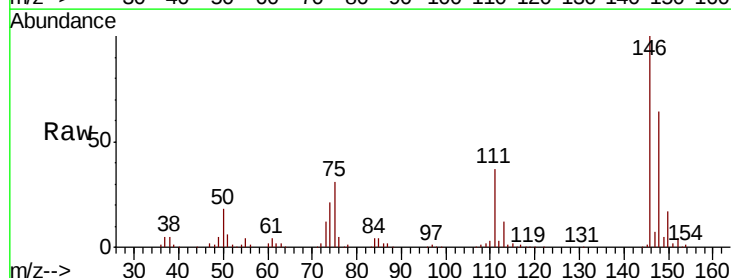
Instrument :
 MSVOA_U
 ClientSampled :

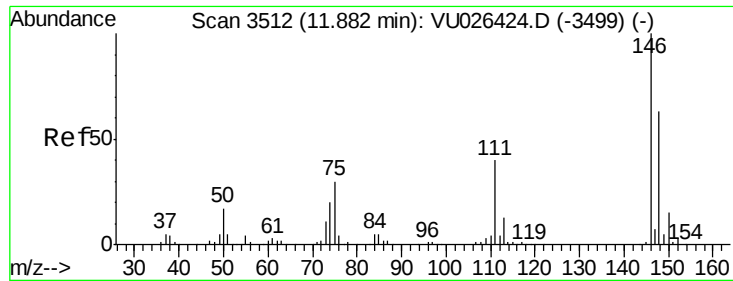
Tot Ion:146 Resp: 112703
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 64.1 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 50.535 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion:146 Resp: 120200
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.2 48.6
 148 64.2 44.9 83.5

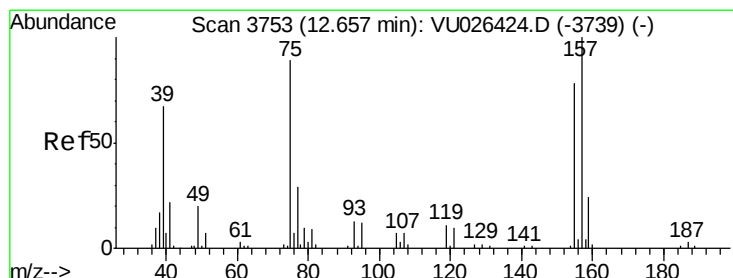
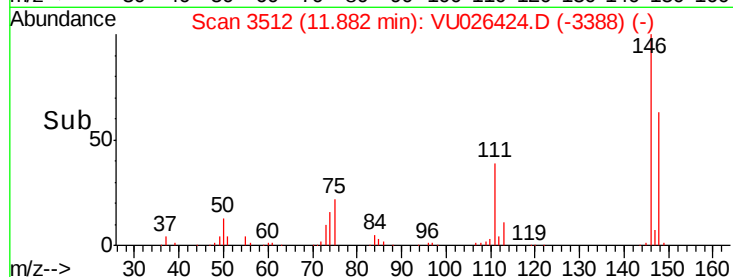
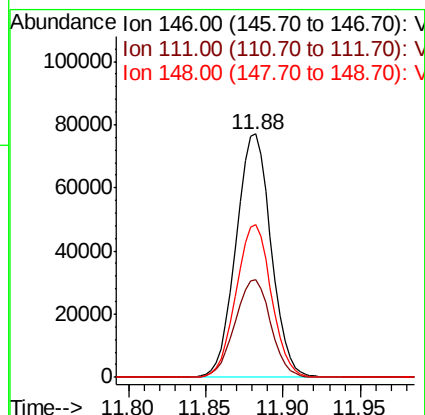
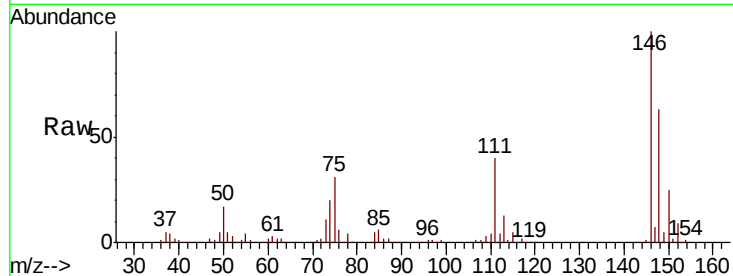




#65
 1,2-Dichlorobenzene
 Concen: 51.021 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

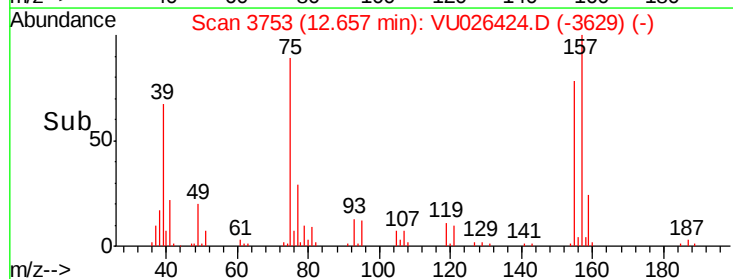
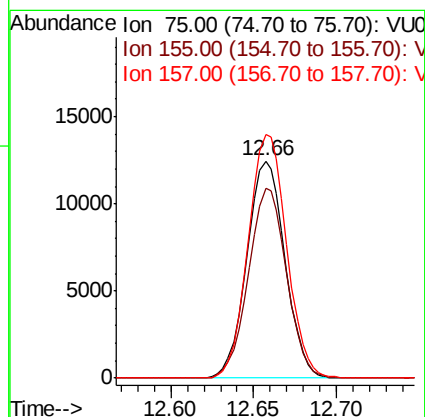
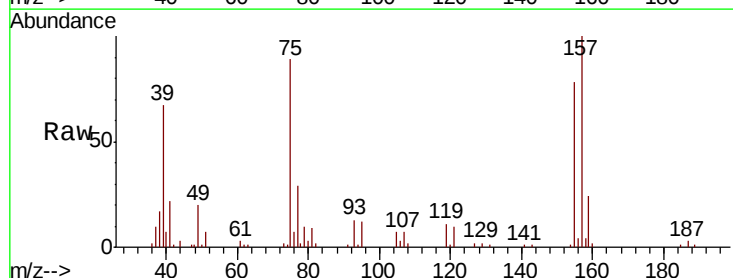
Instrument :
 MSVOA_U
 ClientSampled :

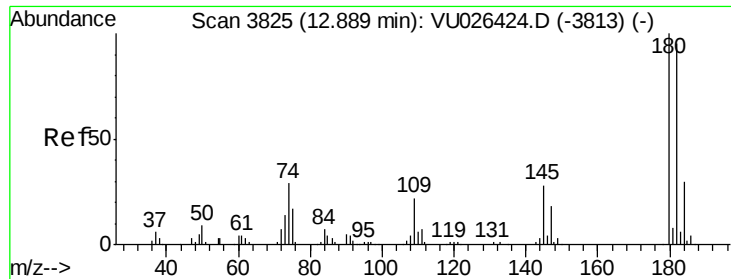
Tot Ion:146 Resp: 121019
 Ion Ratio Lower Upper
 146 100
 111 40.0 32.0 48.0
 148 62.7 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.860 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 75 Resp: 19886
 Ion Ratio Lower Upper
 75 100
 155 87.3 69.8 104.8
 157 112.3 89.8 134.8

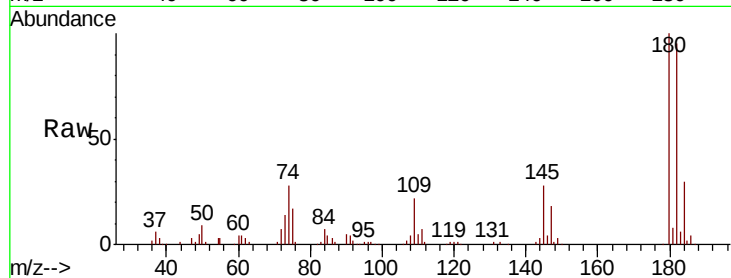




#67
 1,3,5-Trichlorobenzene
 Concen: 50.803 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	31.2	25.0	37.4
145	27.9	22.3	33.5



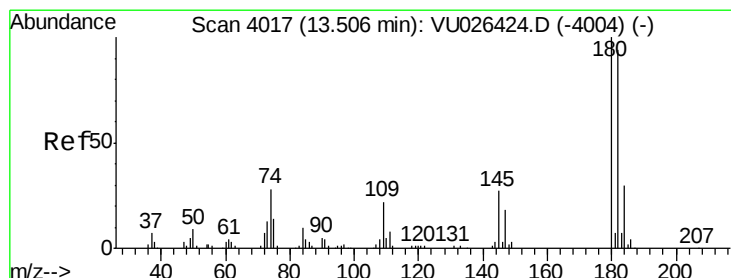
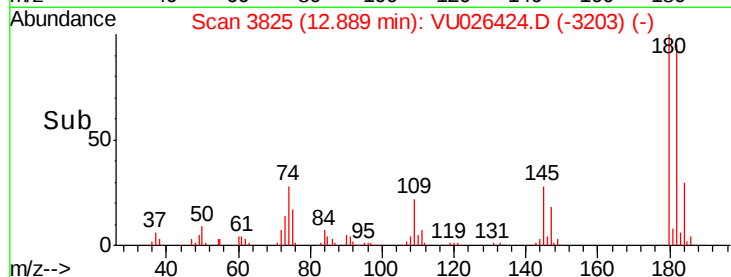
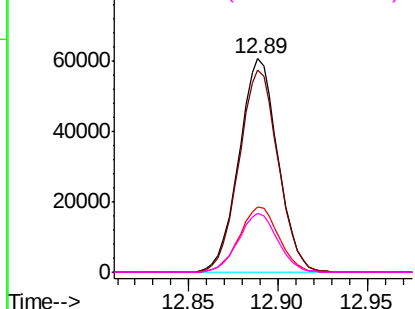
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

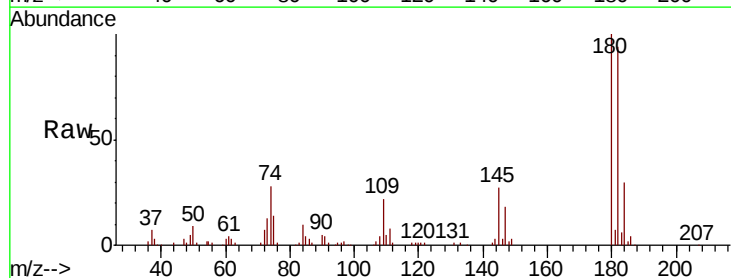
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.598 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026424.D
 Acq: 29 Aug 2018 15:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	28.0	22.4	33.6

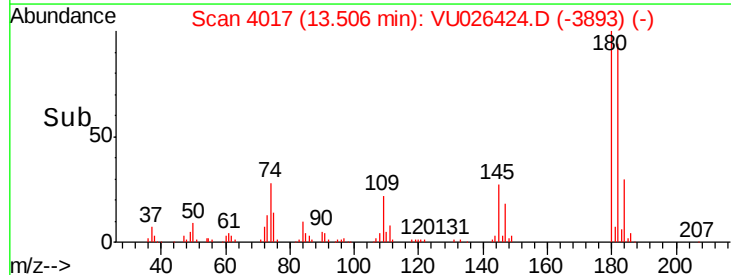
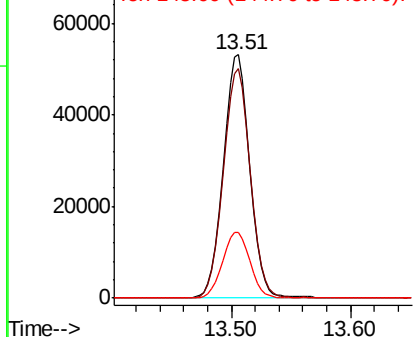


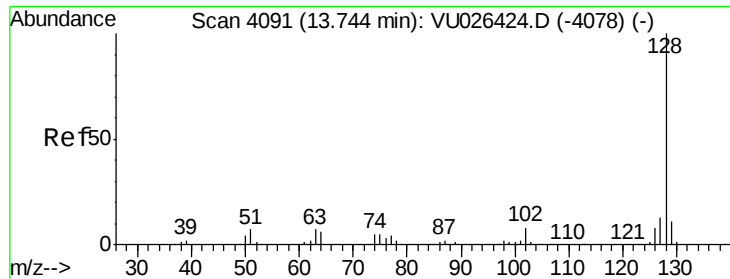
Abundance

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: 54.877 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_U

ClientSampleId :

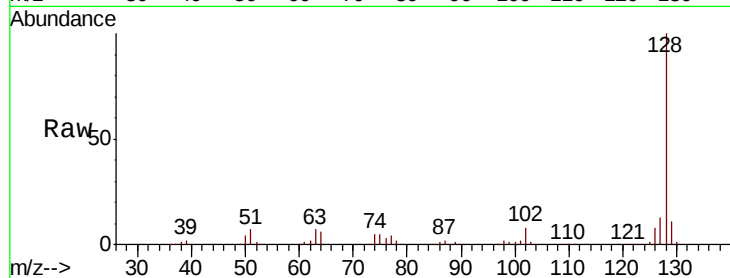
Tot Ion:128 Resp: 271594

Ion Ratio Lower Upper

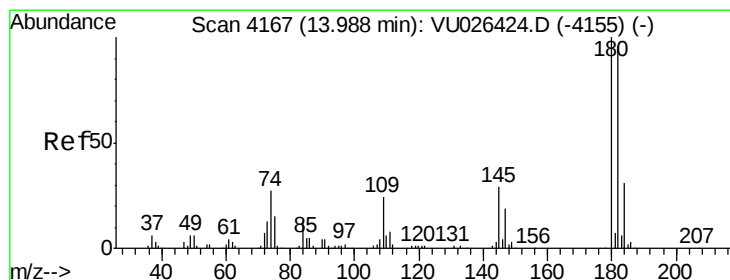
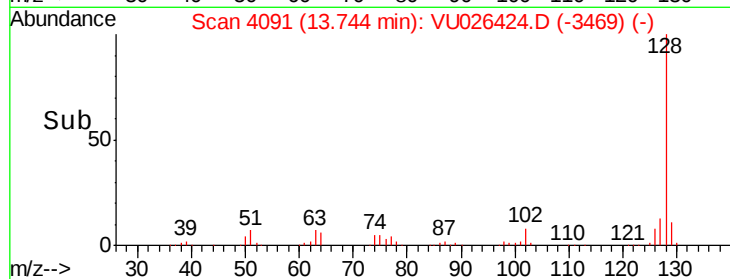
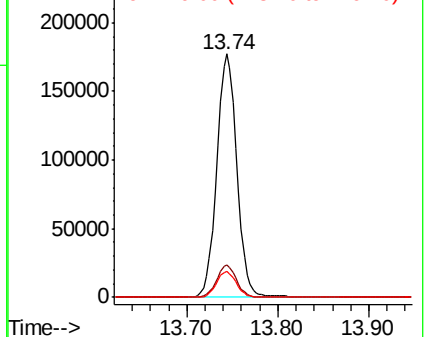
128 100

127 13.1 10.5 15.7

129 10.6 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: 51.684 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026424.D

Acq: 29 Aug 2018 15:19

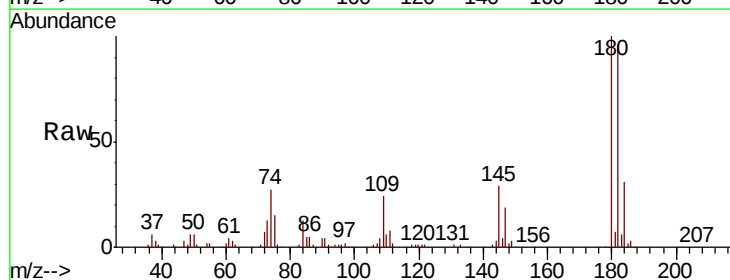
Tgt Ion:180 Resp: 89957

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 29.9 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

