

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026423.D
 Acq On : 29 Aug 2018 14:55
 Operator : MD/SY
 Sample : VSTD01048
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 01:57:00 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	147694	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	142318	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	67923	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	9331	10.20	ug/L	0.00
7) Chloroethane-d5	1.68	69	8797	10.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	20411	9.90	ug/L	0.00
21) 2-Butanone-d5	4.18	46	13897	19.57	ug/L	0.00
24) Chloroform-d	4.65	84	17152	9.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	11405	9.91	ug/L	0.00
32) Benzene-d6	5.35	84	32891	10.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	11643	10.33	ug/L	0.00
41) Toluene-d8	7.57	98	30377	9.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	4893	9.51	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	8837	17.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	16097	9.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	12275	9.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	11409	9.907	ug/L 98
3) Chloromethane	1.33	50	14028	9.865	ug/L 98
5) Vinyl chloride	1.40	62	15092	9.790	ug/L 96
6) Bromomethane	1.63	94	8358	9.145	ug/L 97
8) Chloroethane	1.70	64	8853	9.565	ug/L 97
9) Trichlorofluoromethane	1.89	101	19429	9.911	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	10779	9.855	ug/L 99
12) 1,1-Dichloroethene	2.28	96	10632	10.085	ug/L 96
13) Acetone	2.32	43	14438	23.477	ug/L 99
14) Carbon disulfide	2.48	76	28882	9.681	ug/L 99
15) Methyl Acetate	2.62	43	11895	9.850	ug/L 98
16) Methylene chloride	2.70	84	10469	9.659	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	9138	9.583	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	26837	9.271	ug/L 99
19) 1,1-Dichloroethane	3.45	63	18536	9.893	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	10352	9.691	ug/L 98
22) 2-Butanone	4.27	43	15610	18.884	ug/L 95
23) Bromochloromethane	4.55	128	5380	9.776	ug/L 93
25) Chloroform	4.68	83	19066	9.964	ug/L 100
27) 1,2-Dichloroethane	5.41	62	15088	9.777	ug/L 97
29) Cyclohexane	5.00	56	13910	8.970	ug/L 100
30) 1,1,1-Trichloroethane	4.92	97	15284	9.759	ug/L 98
31) Carbon tetrachloride	5.14	117	13850	9.733	ug/L 95
33) Benzene	5.39	78	39509	9.683	ug/L 100
34) Trichloroethene	6.19	95	10093	9.862	ug/L 98
35) Methylcyclohexane	6.42	83	14382	9.000	ug/L 98
37) 1,2-Dichloropropane	6.44	63	10802	9.563	ug/L 98
38) Bromodichloromethane	6.76	83	14544	10.097	ug/L 97
39) cis-1,3-Dichloropropene	7.27	75	14309	8.891	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	27437	18.011	ug/L 96

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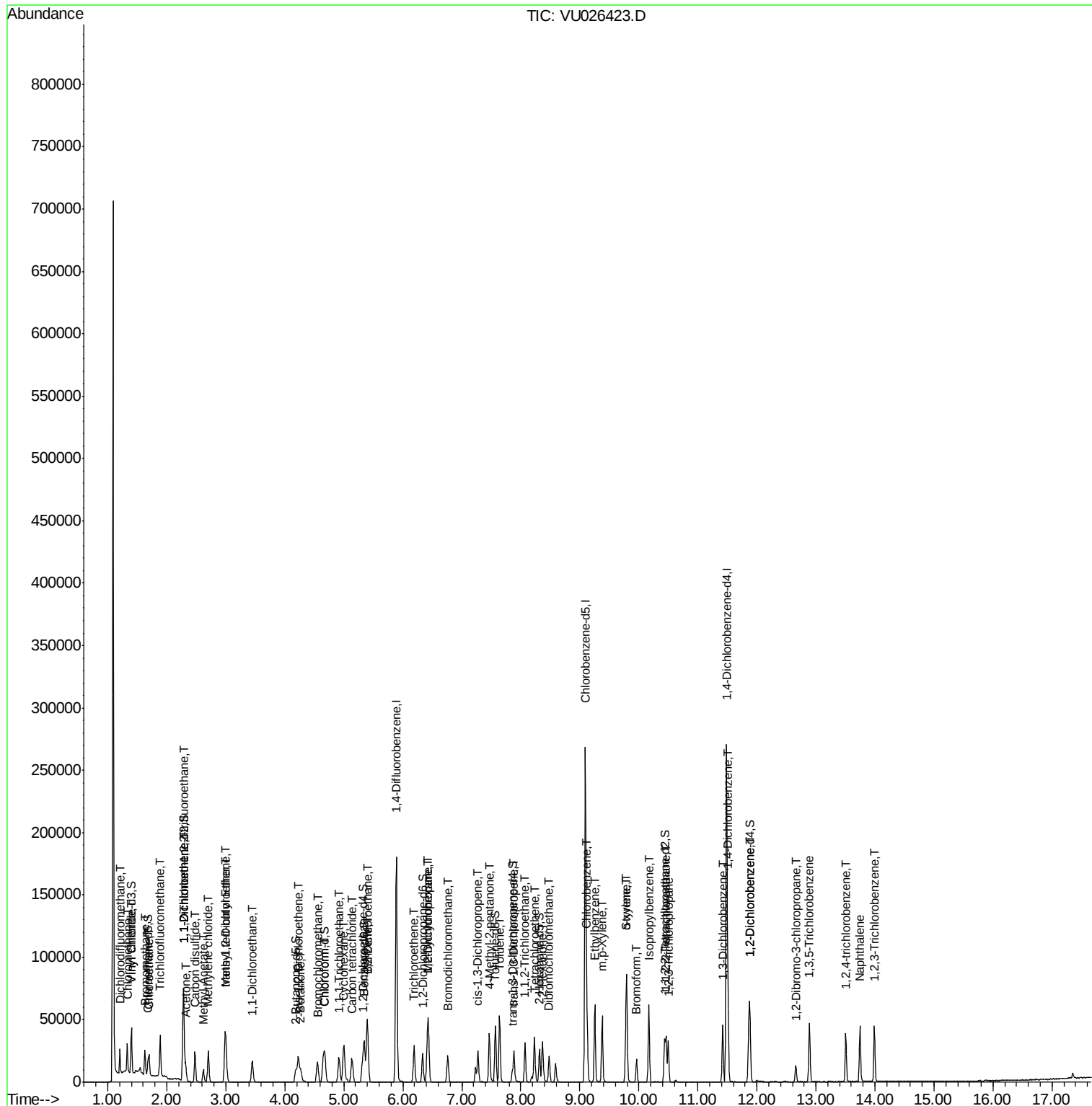
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

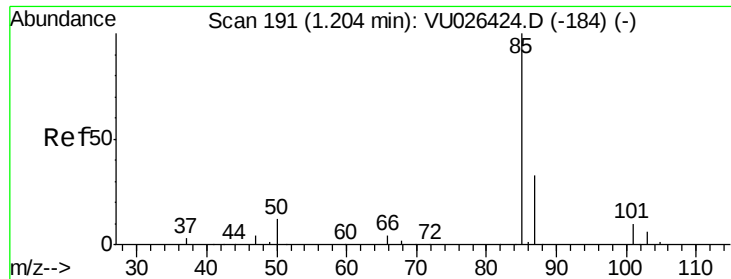
42) Toluene	7.64	91	38924	9.143	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	13867	9.040	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	10013	9.677	ug/L	97
46) Tetrachloroethene	8.23	164	7866	9.401	ug/L	99
48) 2-Hexanone	8.36	43	20715	17.266	ug/L	99
49) Dibromochloromethane	8.48	129	10878	9.330	ug/L	98
51) Chlorobenzene	9.12	112	26477	9.300	ug/L	97
52) Ethylbenzene	9.25	91	40897	8.832	ug/L	98
53) m,p-Xylene	9.38	106	14789	8.554	ug/L	97
54) o-xylene	9.78	106	14087	8.355	ug/L	93
55) Styrene	9.80	104	24497	8.317	ug/L	95
56) Isopropylbenzene	10.17	105	36681	8.311	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	16903	9.274	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	13300	9.437	ug/L	100
61) Bromoform	9.96	173	8036	9.586	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	19308	9.714	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	20323	9.667	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	20264	9.666	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	3367	9.552	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	15070	9.395	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	12248	8.742	ug/L	95
69) Naphthalene	13.74	128	36802	8.413	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	14872	9.668	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 9.907 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

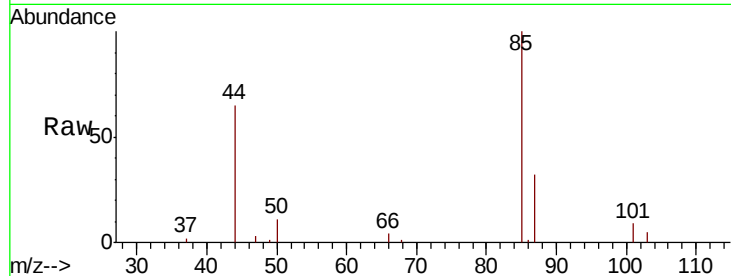
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 11409

Ion Ratio Lower Upper

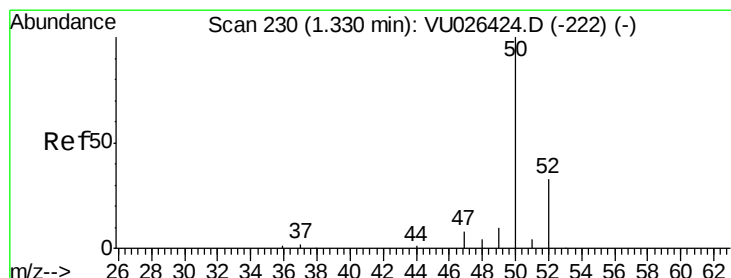
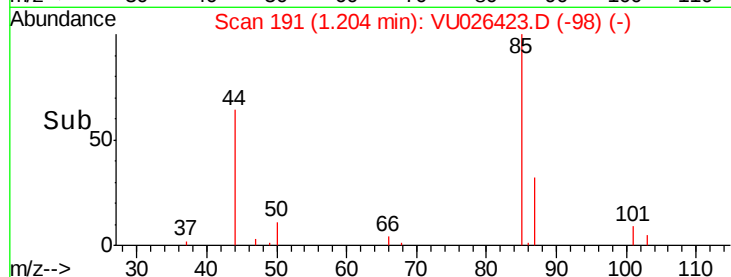
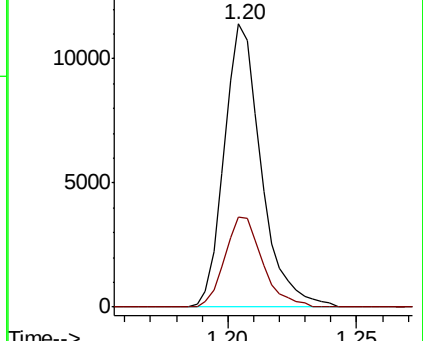
85 100

87 32.2 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: 9.865 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026423.D

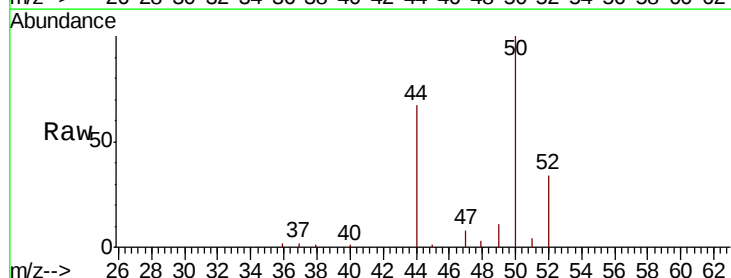
Acq: 29 Aug 2018 14:55

Tgt Ion: 50 Resp: 14028

Ion Ratio Lower Upper

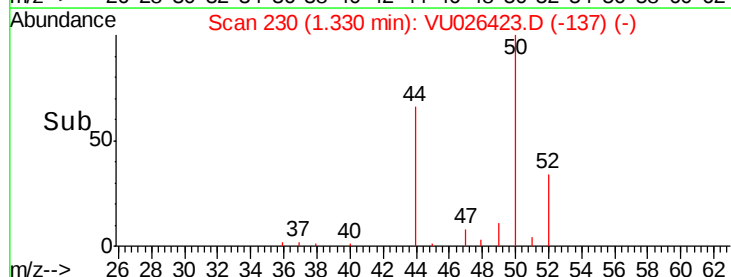
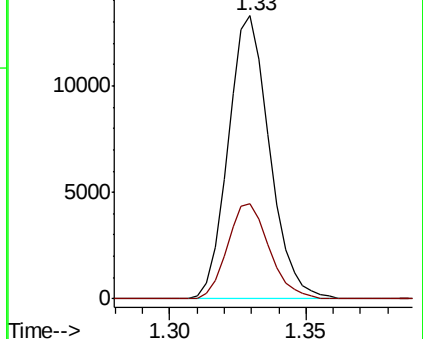
50 100

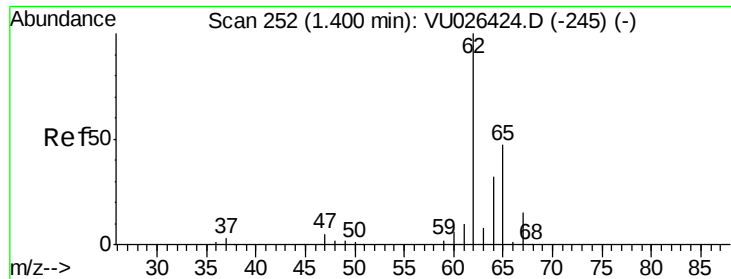
52 33.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 9.790 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_U

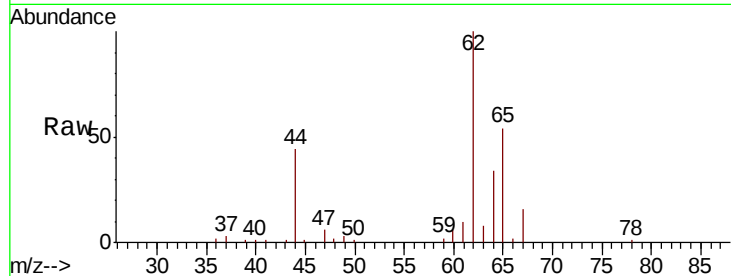
ClientSampled :

Tot Ion: 62 Resp: 15092

Ion Ratio Lower Upper

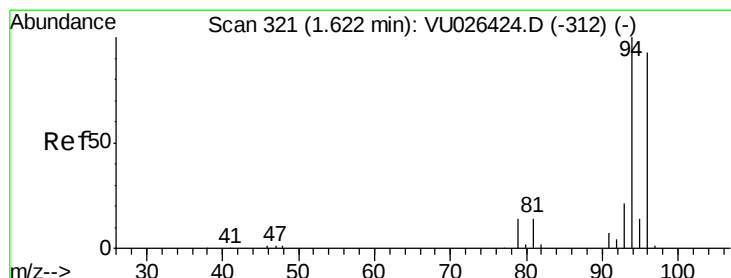
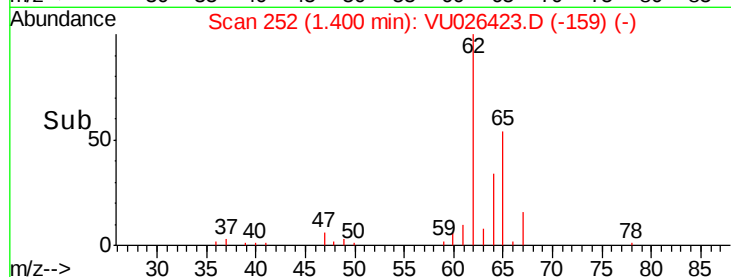
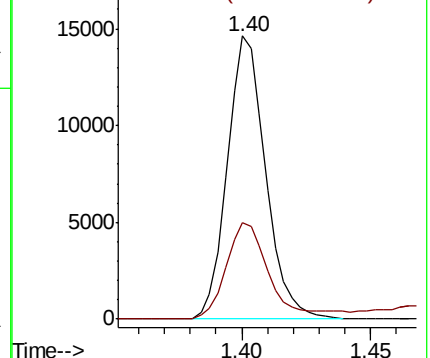
62 100

64 34.3 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: 9.145 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU026423.D

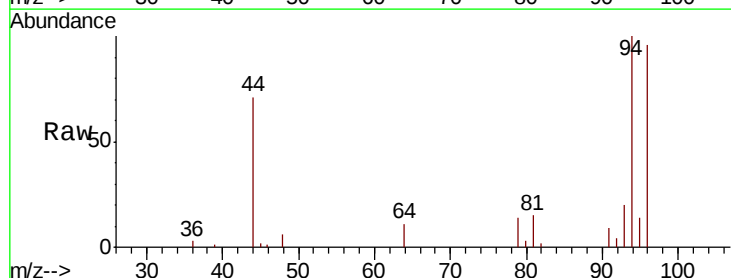
Acq: 29 Aug 2018 14:55

Tgt Ion: 94 Resp: 8358

Ion Ratio Lower Upper

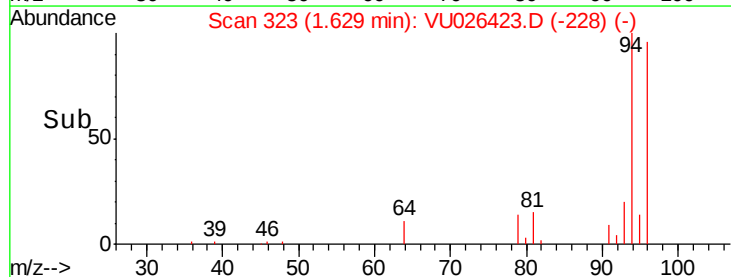
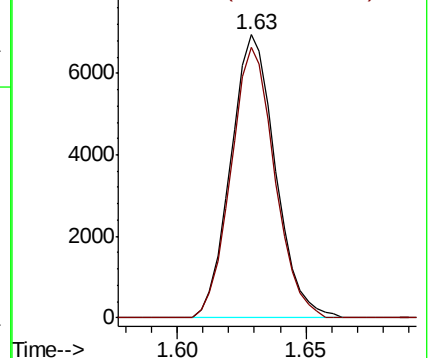
94 100

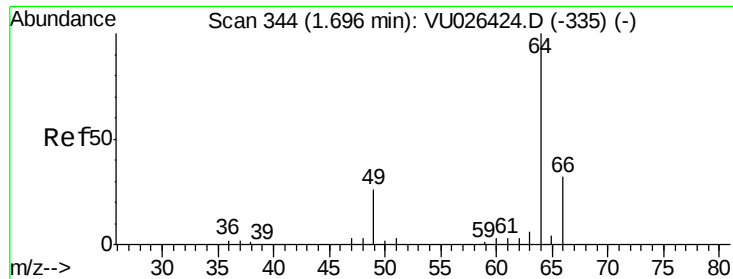
96 95.8 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

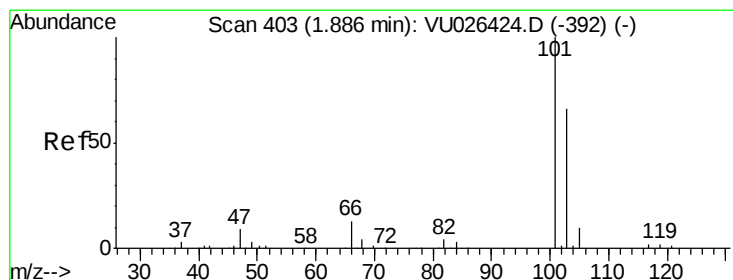
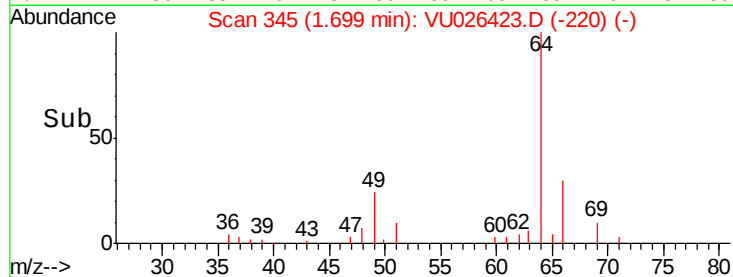
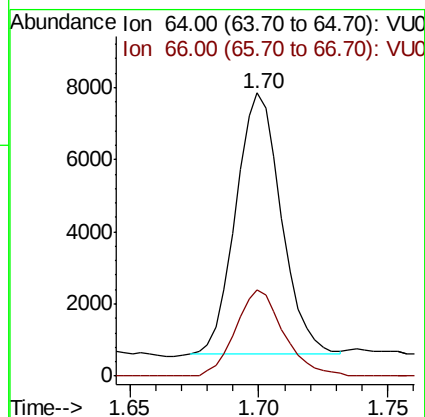
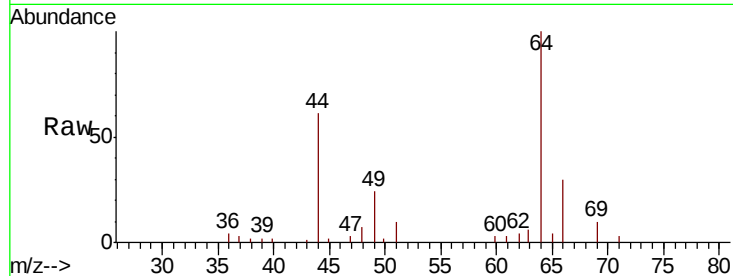




#8
 Chloroethane
 Concen: 9.565 ug/L
 RT: 1.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

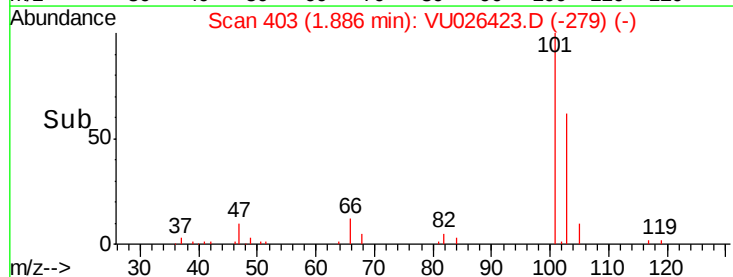
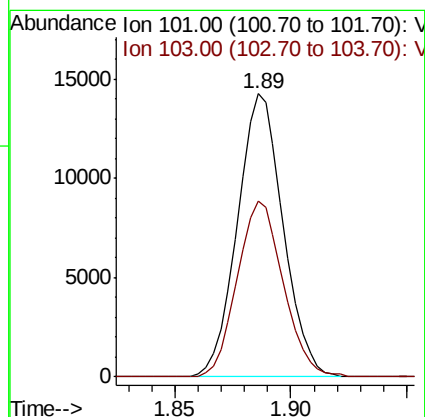
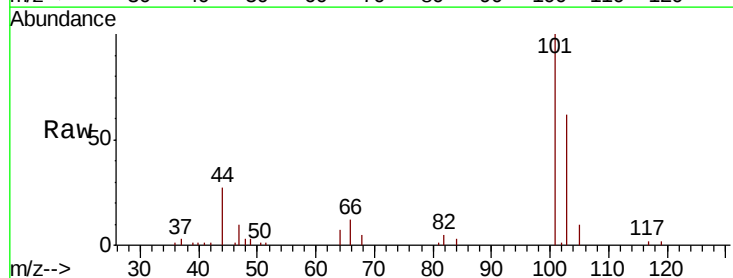
Instrument :
 MSVOA_U
 ClientSampleId :

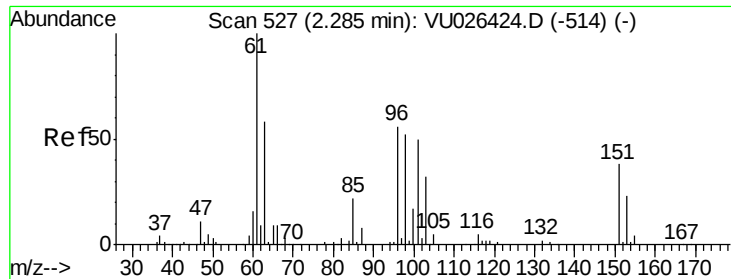
Tot Ion: 64 Resp: 8853
 Ion Ratio Lower Upper
 64 100
 66 30.3 22.2 41.2



#9
 Trichlorofluoromethane
 Concen: 9.911 ug/L
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

Tgt Ion:101 Resp: 19429
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.7 79.1





#10

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

Concen: 9.855 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_U

ClientSampled :

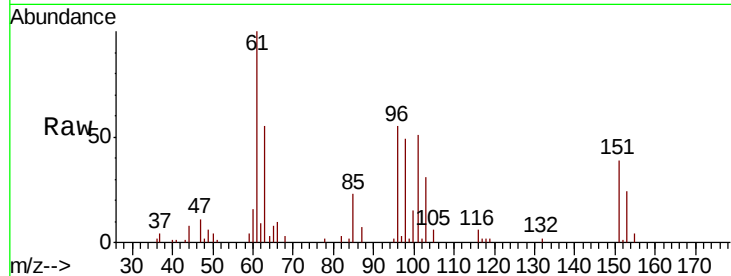
Tot Ion:101 Resp: 10779

Ion Ratio Lower Upper

101 100

85 45.0 35.3 52.9

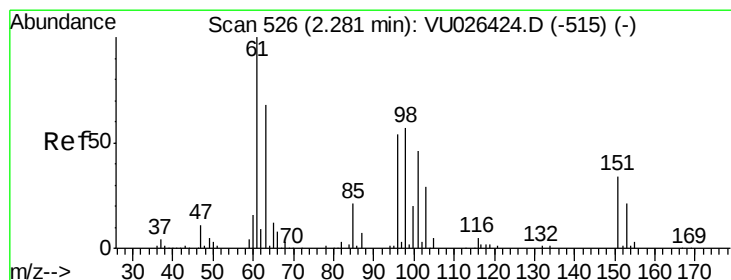
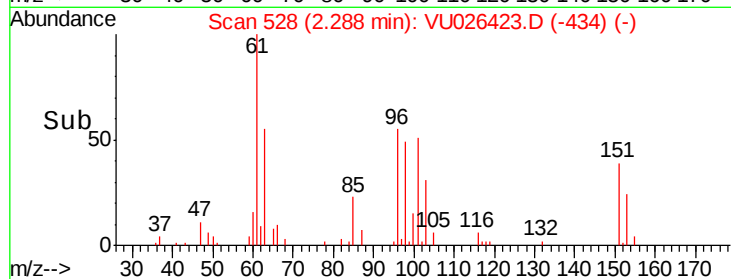
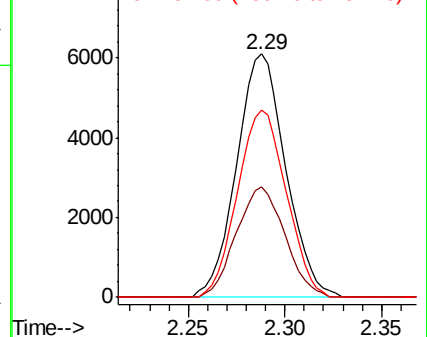
151 76.3 60.7 91.1



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: 10.085 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

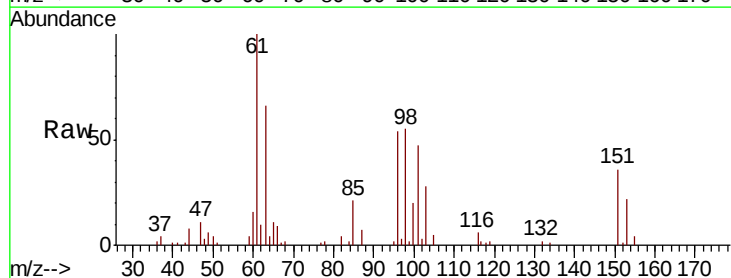
Tgt Ion: 96 Resp: 10632

Ion Ratio Lower Upper

96 100

61 183.7 129.3 240.1

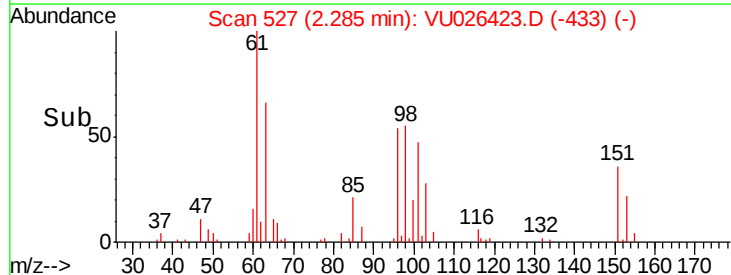
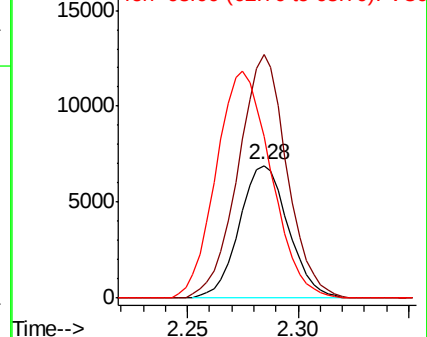
63 121.6 91.7 170.3

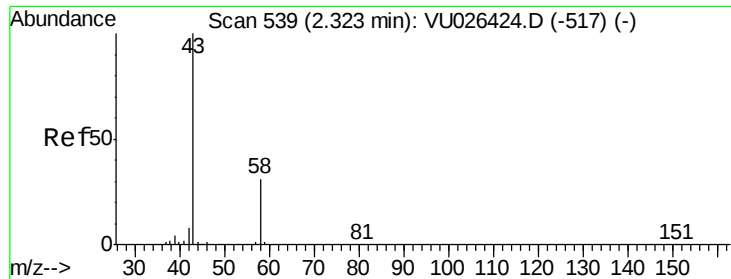


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 23.477 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_U

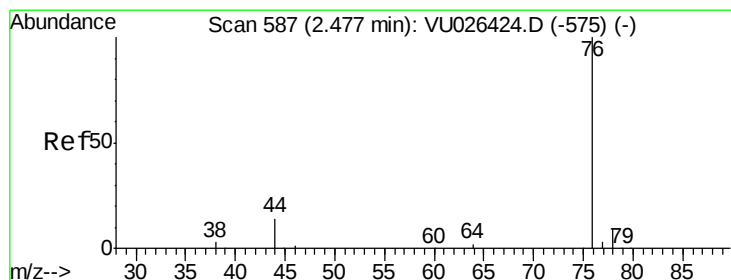
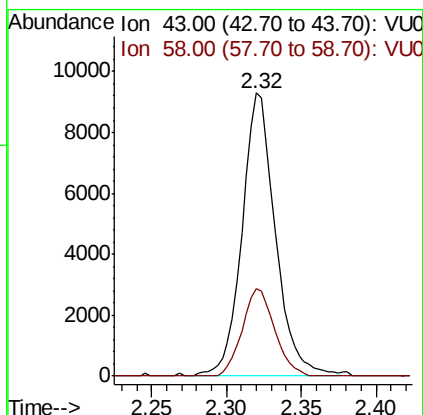
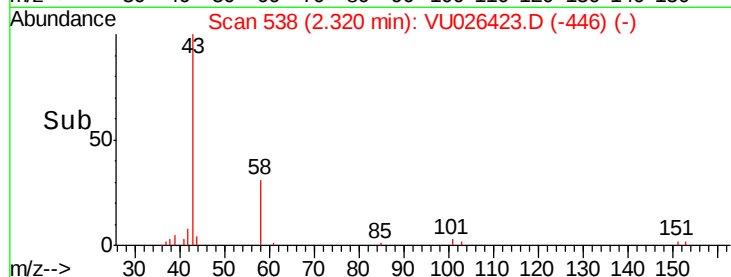
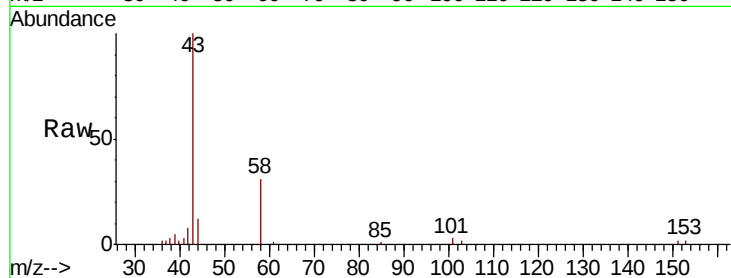
ClientSampled :

Tot Ion: 43 Resp: 14438

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.2



#14

Carbon disulfide

Concen: 9.681 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026423.D

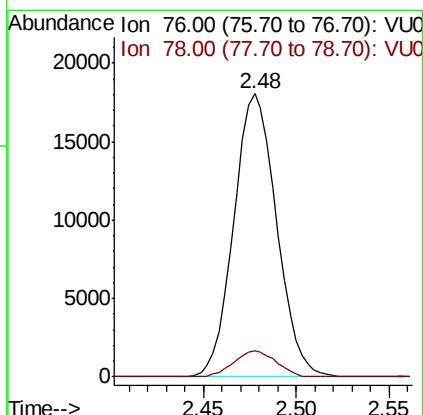
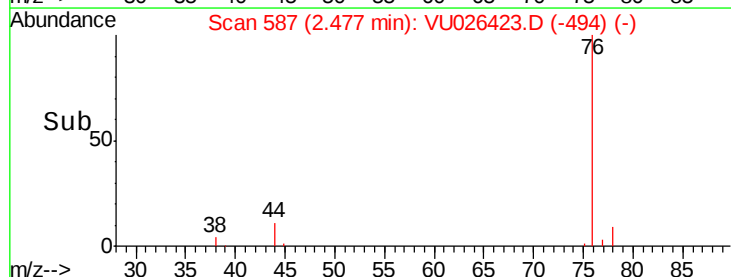
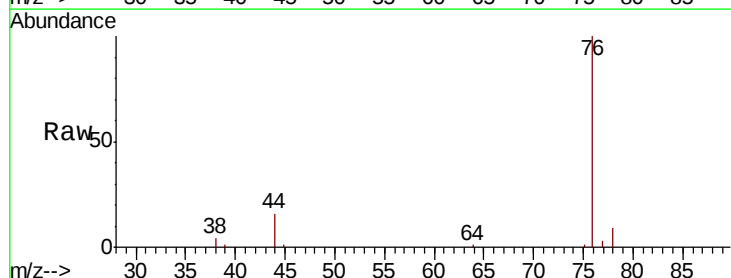
Acq: 29 Aug 2018 14:55

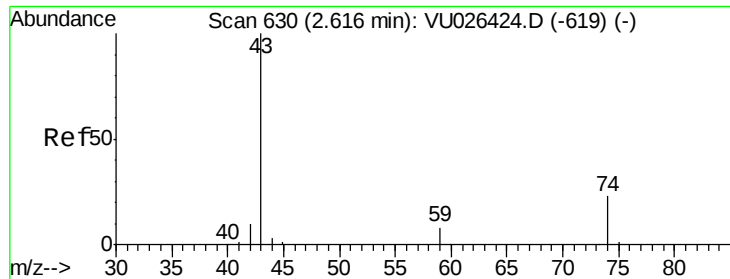
Tgt Ion: 76 Resp: 28882

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

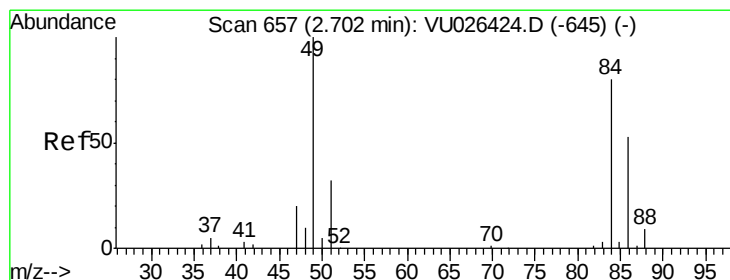
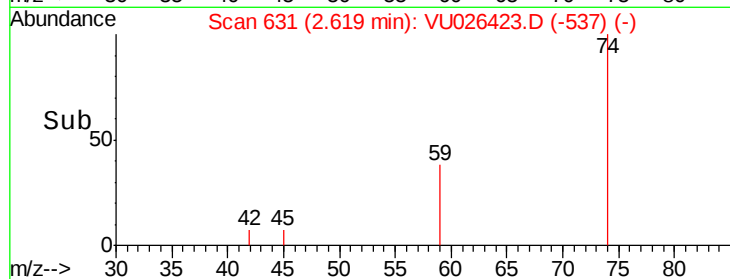
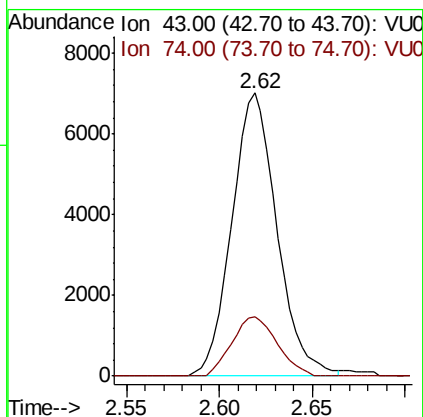
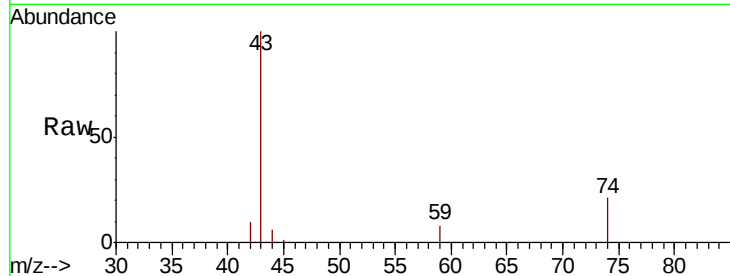




#15
Methyl Acetate
Concen: 9.850 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

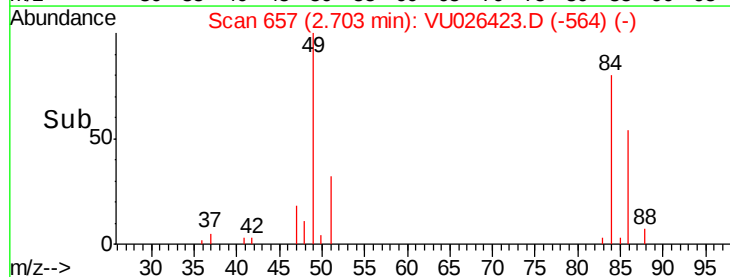
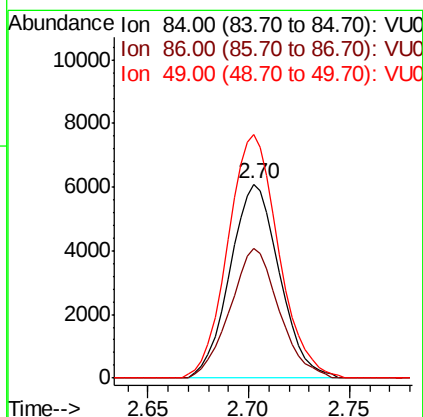
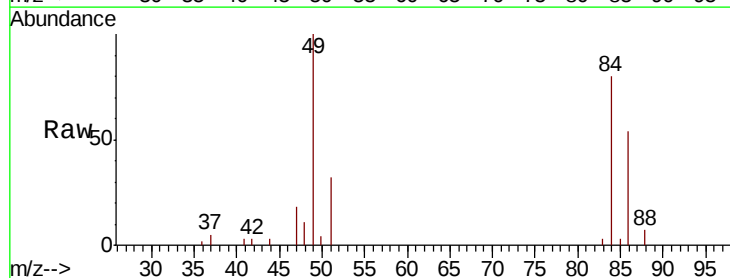
Instrument :
MSVOA_U
ClientSampled :

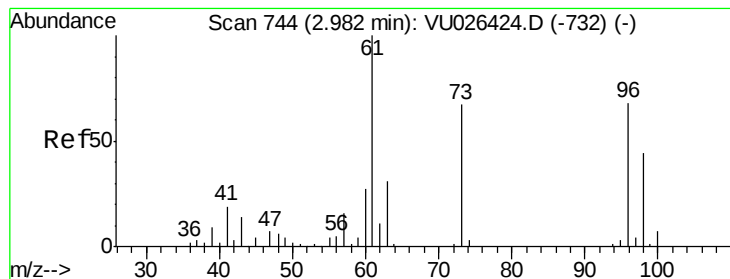
Tot Ion: 43 Resp: 11895
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.6



#16
Methylene chloride
Concen: 9.659 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

Tgt Ion: 84 Resp: 10469
Ion Ratio Lower Upper
84 100
86 67.3 46.2 85.8
49 125.7 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 9.583 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :
MSVOA_U
ClientSampled :

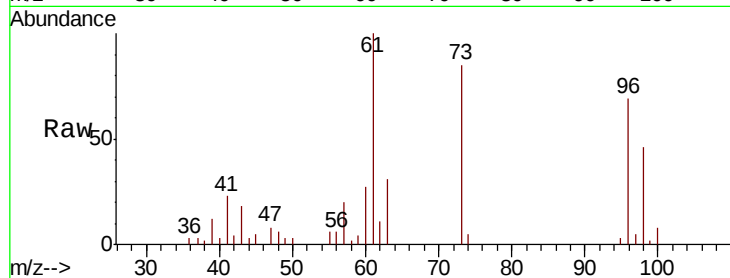
Tot Ion: 96 Resp: 9138

Ion Ratio Lower Upper

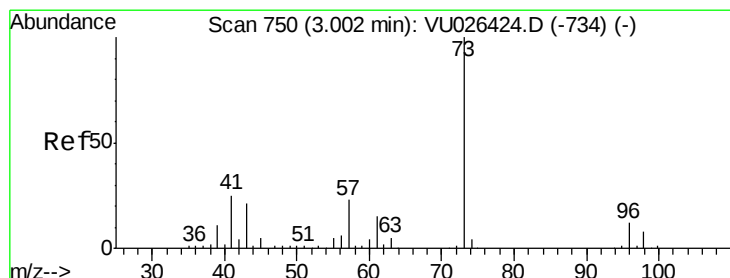
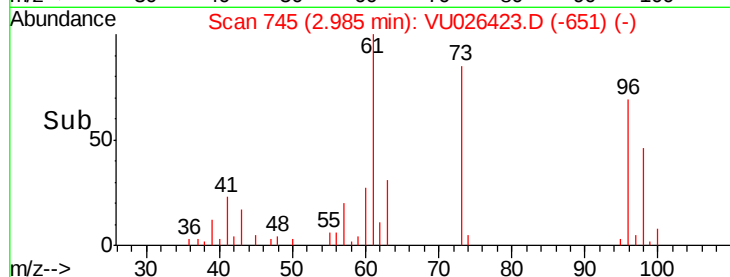
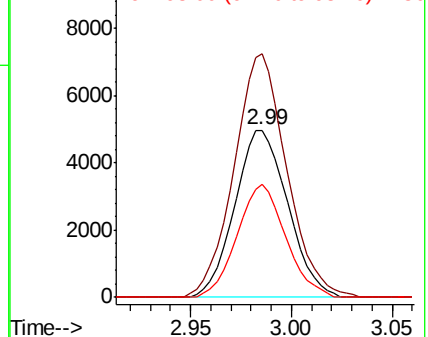
96 100

61 145.7 103.2 191.6

98 67.4 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: 9.271 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

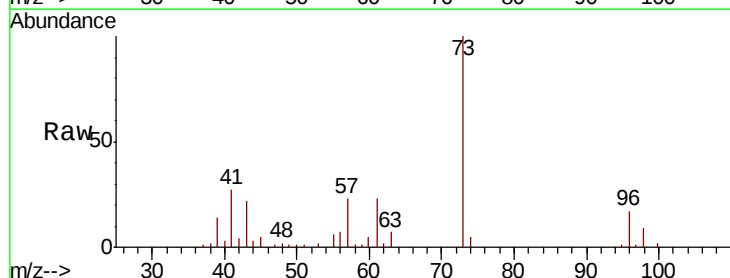
Tgt Ion: 73 Resp: 26837

Ion Ratio Lower Upper

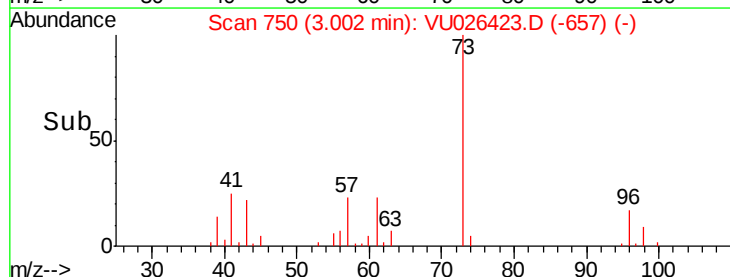
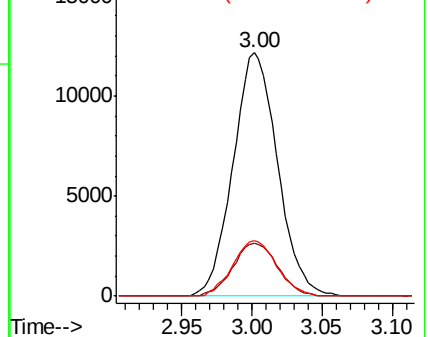
73 100

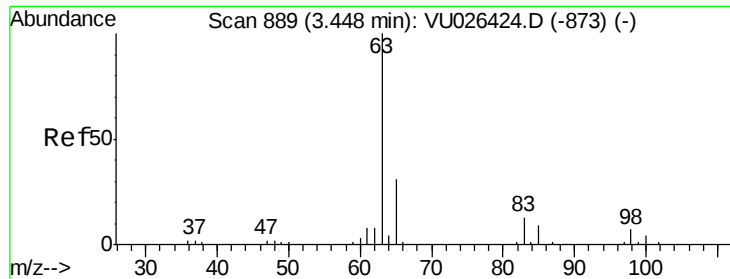
43 21.9 16.6 25.0

57 22.5 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: 9.893 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_U

ClientSampled :

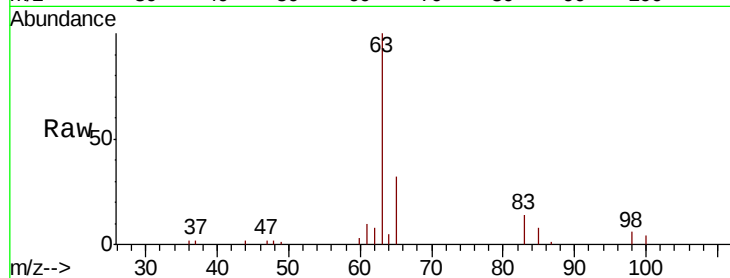
Tot Ion: 63 Resp: 18536

Ion Ratio Lower Upper

63 100

65 31.6 21.6 40.2

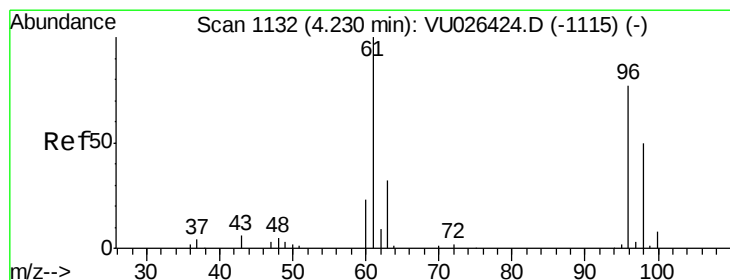
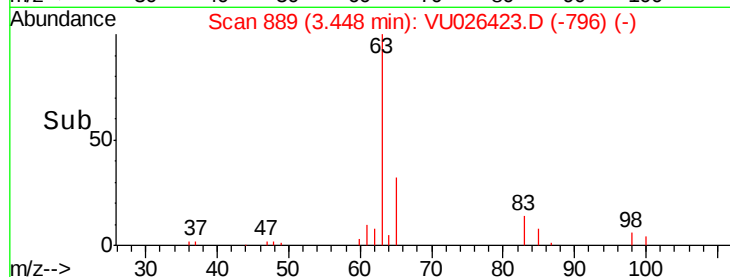
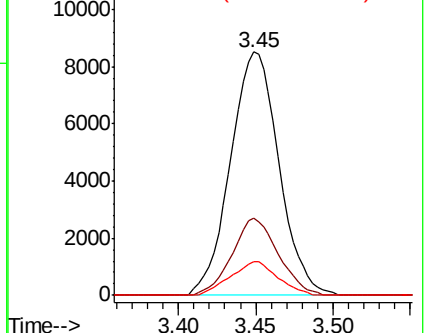
83 13.9 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 9.691 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

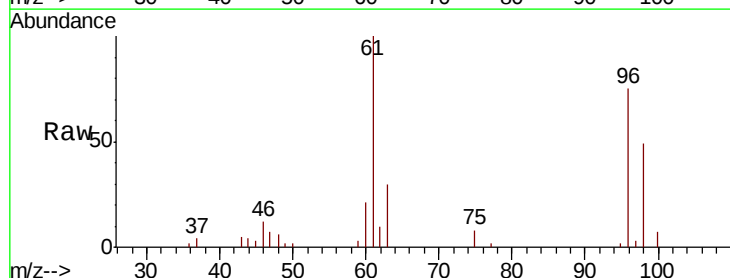
Tgt Ion: 96 Resp: 10352

Ion Ratio Lower Upper

96 100

61 133.7 91.6 170.2

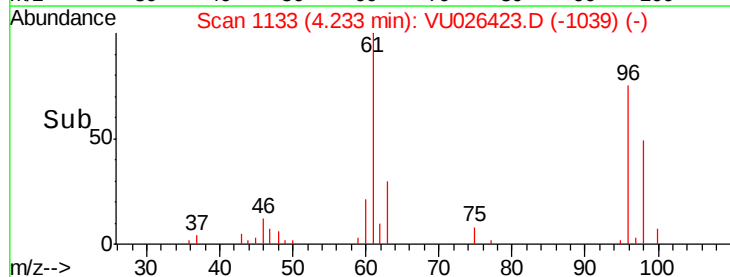
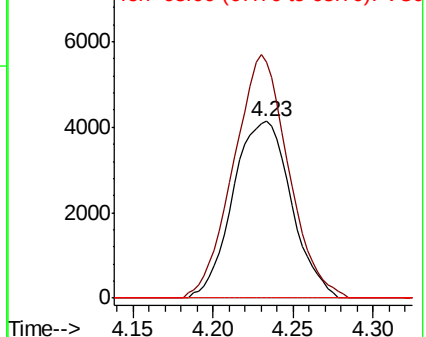
68 0.0 0.0 0.0

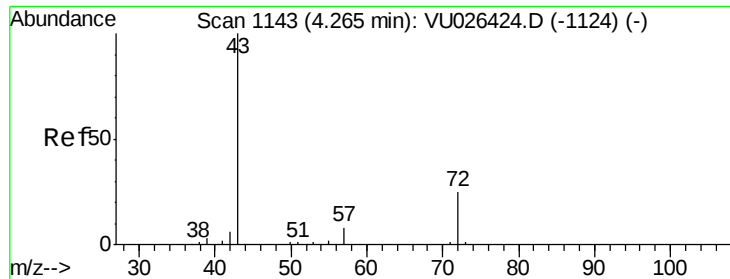


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 18.884 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

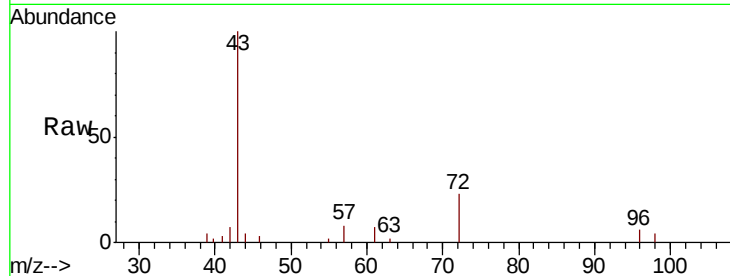
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 15610

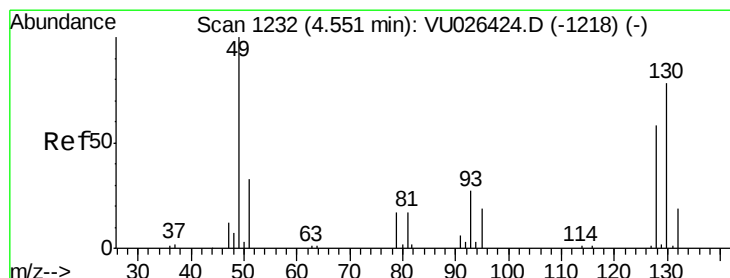
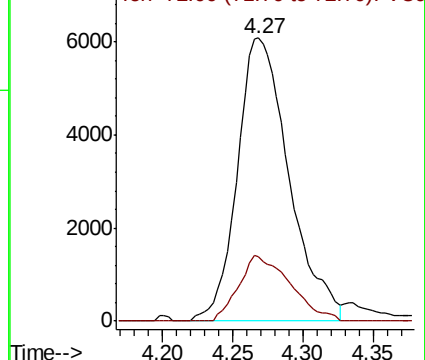
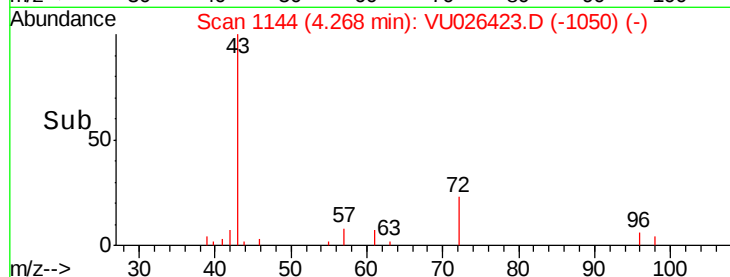
Ion Ratio Lower Upper

43 100

72 23.1 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026423.D (-1050) (-)



#23

Bromochloromethane

Concen: 9.776 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Tgt Ion:128 Resp: 5380

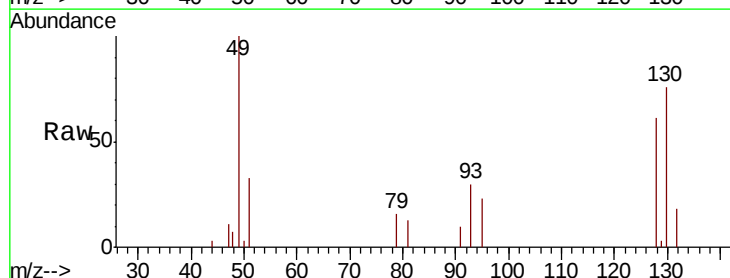
Ion Ratio Lower Upper

128 100

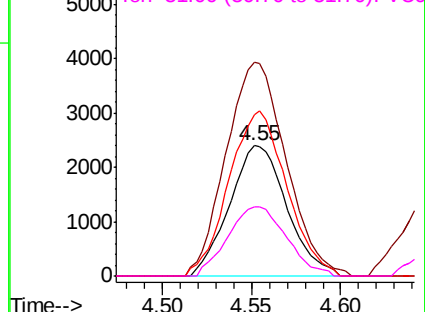
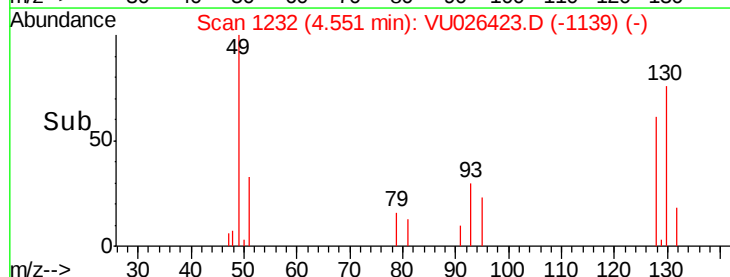
49 163.8 121.2 225.0

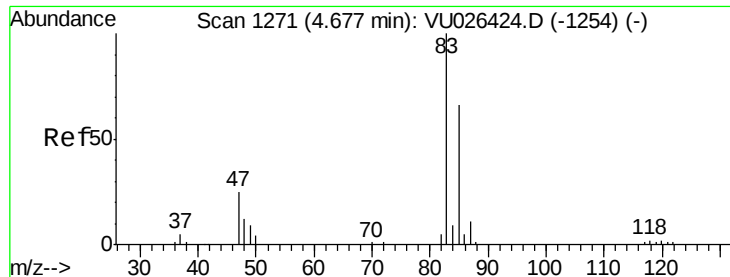
130 123.8 94.1 174.7

51 53.3 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026423.D (-1139) (-)

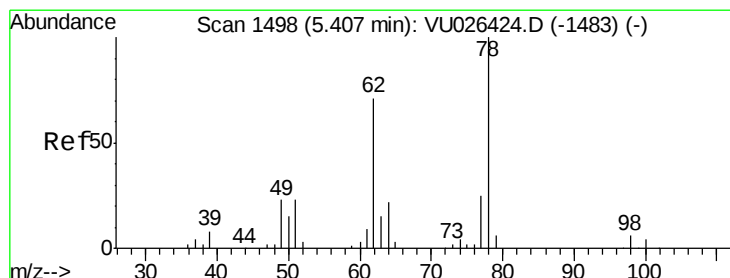
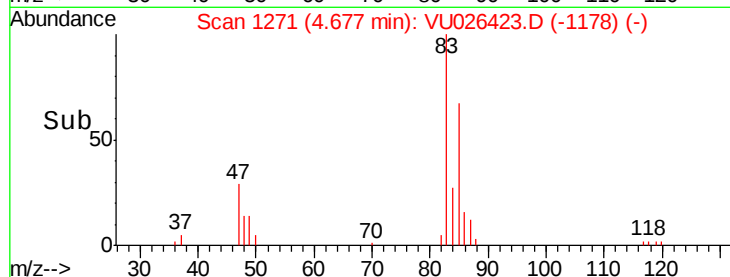
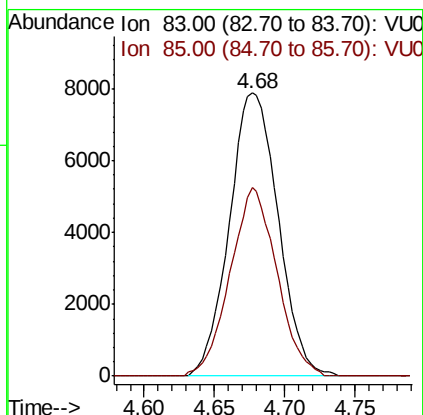
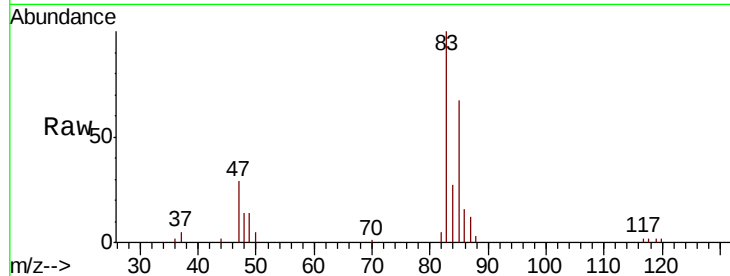




#25
Chloroform
Concen: 9.964 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

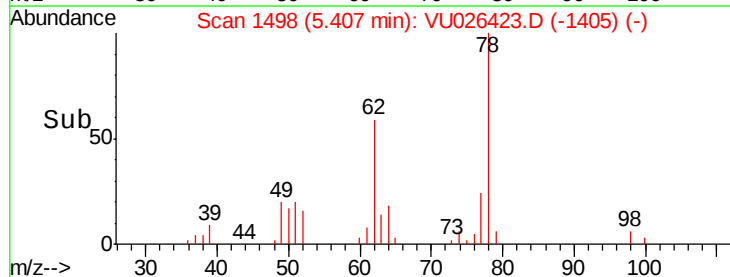
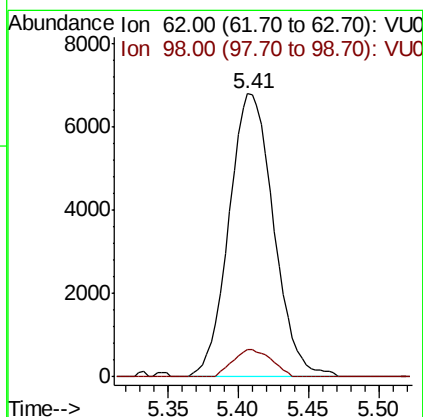
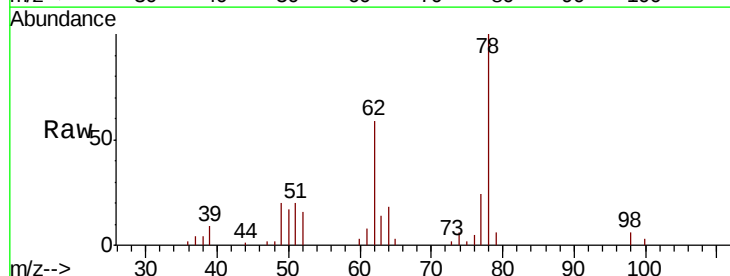
Instrument :
MSVOA_U
ClientSampleId :

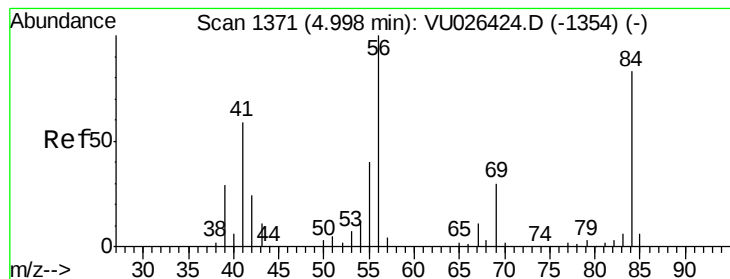
Tot Ion: 83 Resp: 19066
Ion Ratio Lower Upper
83 100
85 66.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 9.777 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

Tgt Ion: 62 Resp: 15088
Ion Ratio Lower Upper
62 100
98 9.7 6.8 10.2





#29

Cyclohexane

Concen: 8.970 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :
MSVOA_U
ClientSampleId :

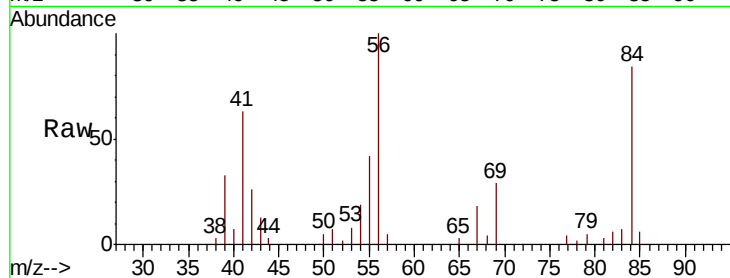
Tot Ion: 56 Resp: 13910

Ion Ratio Lower Upper

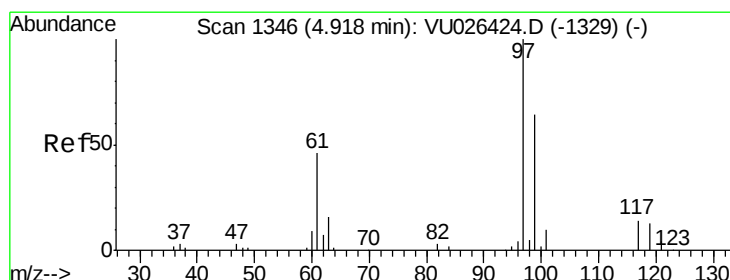
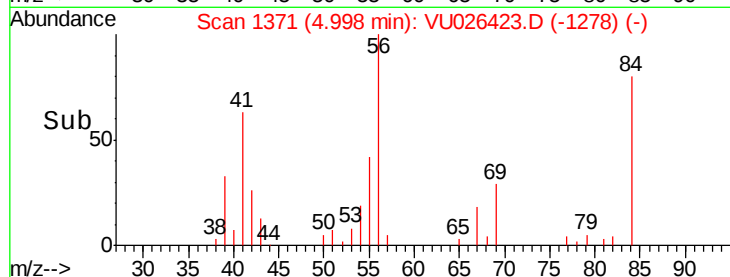
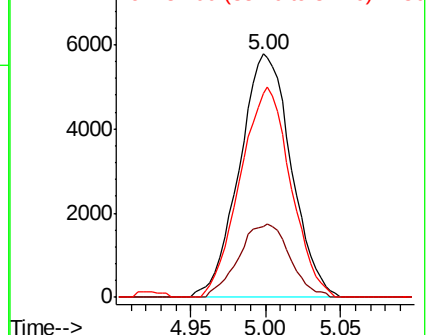
56 100

69 29.8 24.0 36.0

84 84.4 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: 9.759 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

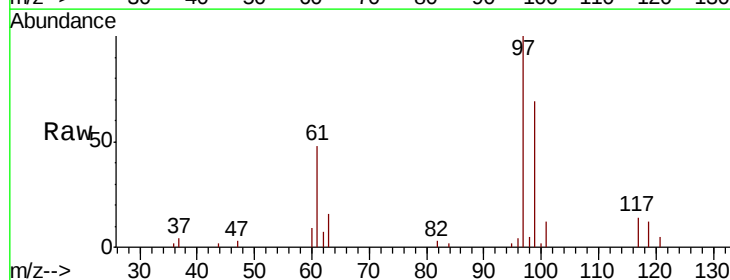
Tgt Ion: 97 Resp: 15284

Ion Ratio Lower Upper

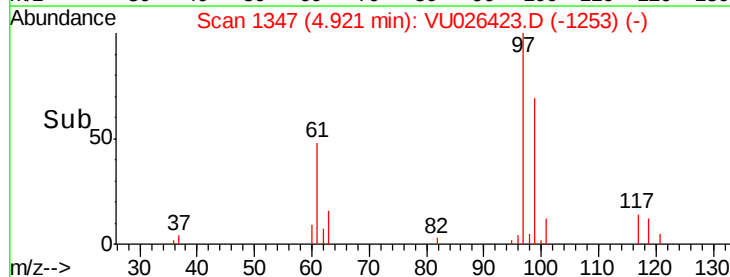
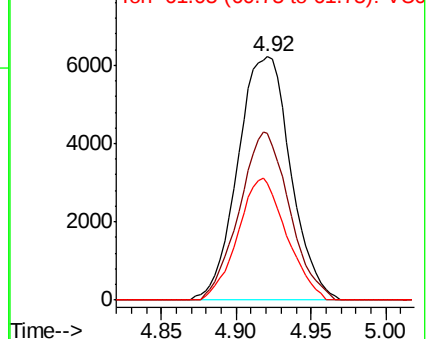
97 100

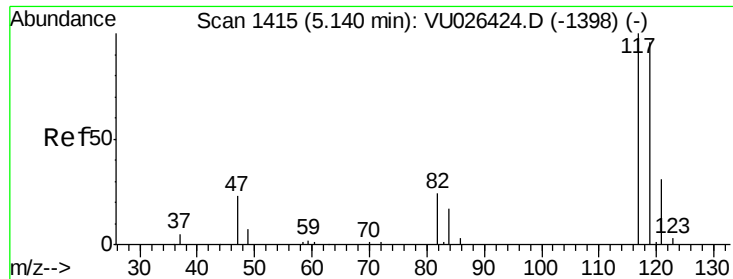
99 65.4 51.6 77.4

61 46.1 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: 9.733 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_U

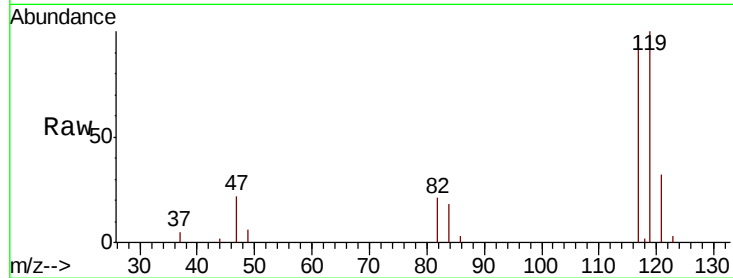
ClientSampleId :

Tot Ion:117 Resp: 13850

Ion Ratio Lower Upper

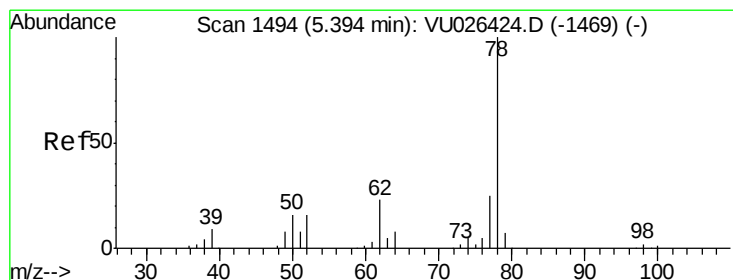
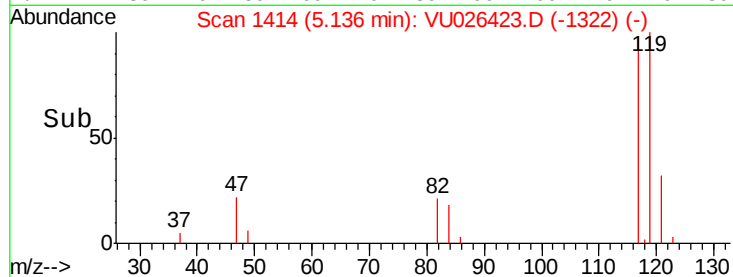
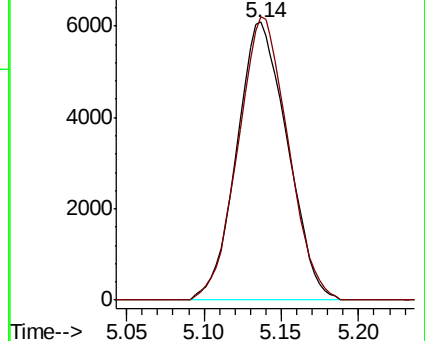
117 100

119 100.8 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: 9.683 ug/L

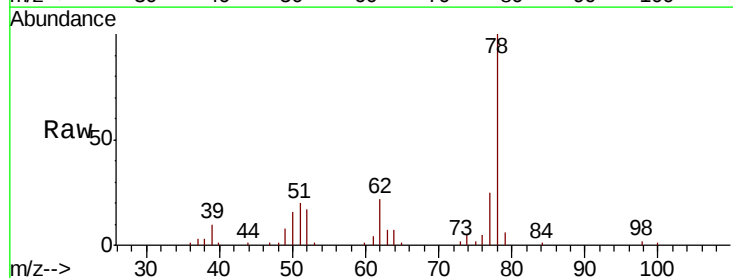
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

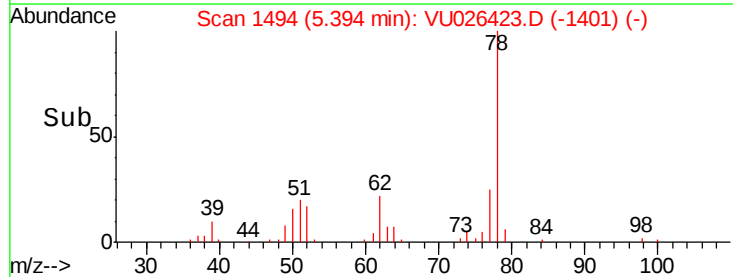
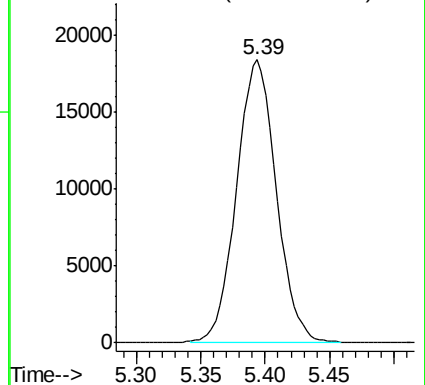
Lab File: VU026423.D

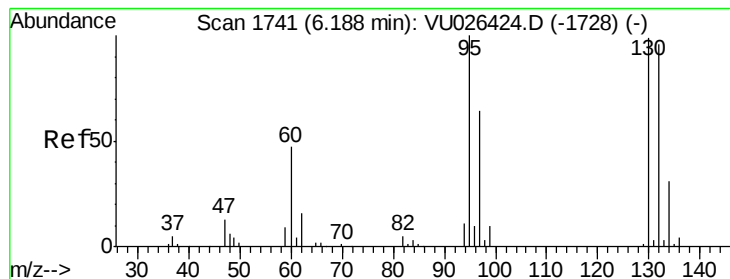
Acq: 29 Aug 2018 14:55

Tgt Ion: 78 Resp: 39509



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 9.862 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 10093

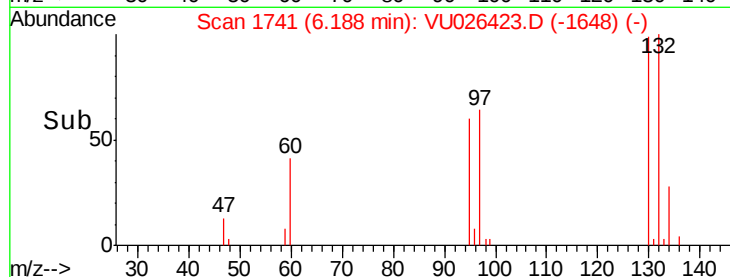
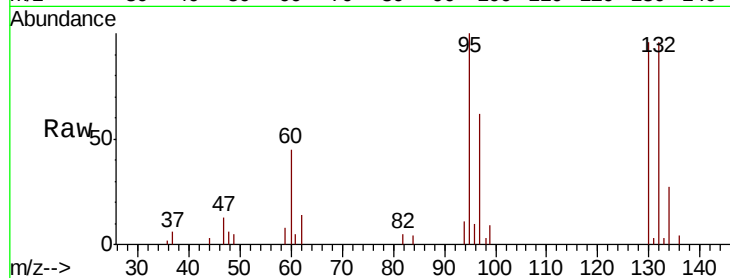
Ion Ratio Lower Upper

95 100

97 62.1 45.1 83.7

132 96.3 67.5 125.3

130 95.6 69.3 128.7

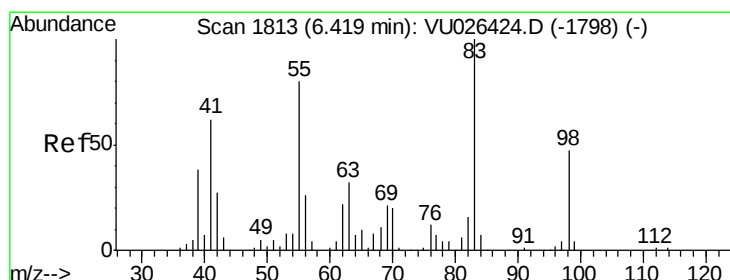
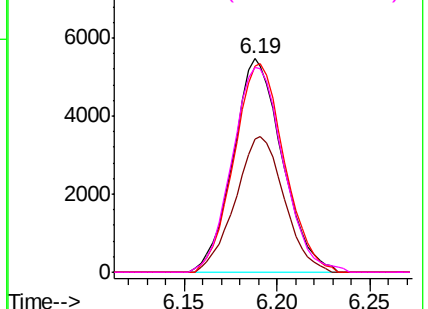


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 9.000 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

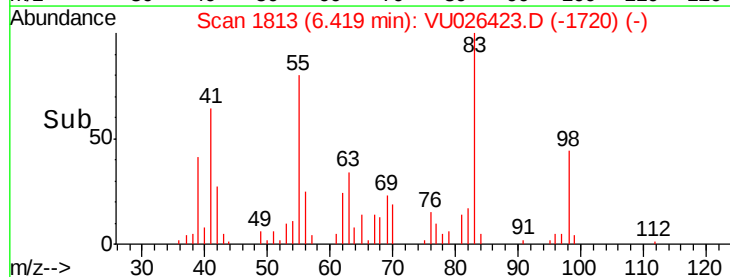
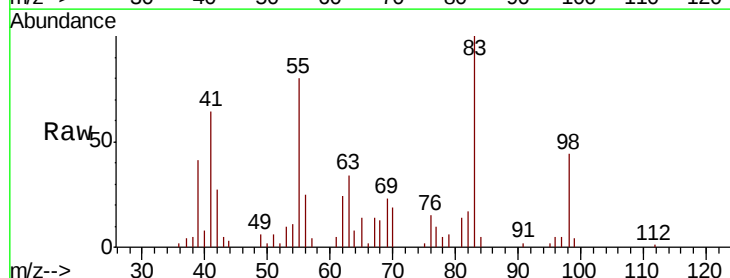
Tgt Ion: 83 Resp: 14382

Ion Ratio Lower Upper

83 100

55 79.6 63.3 94.9

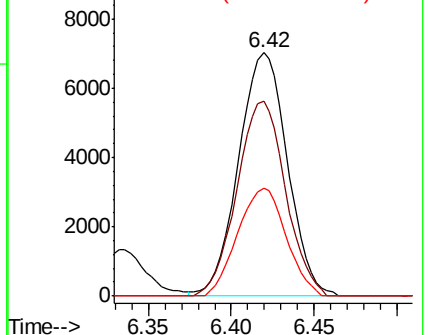
98 43.9 36.7 55.1

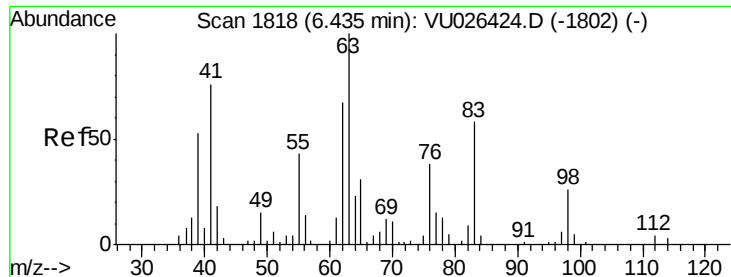


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

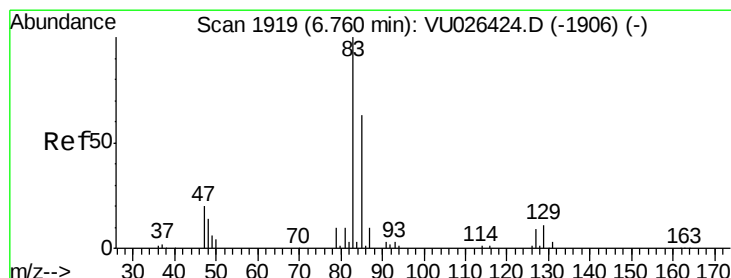
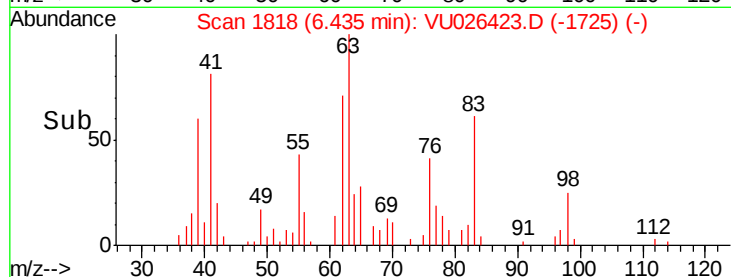
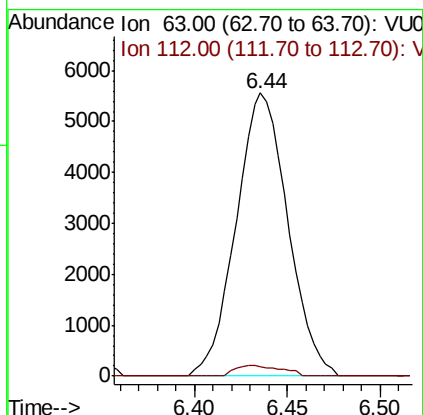
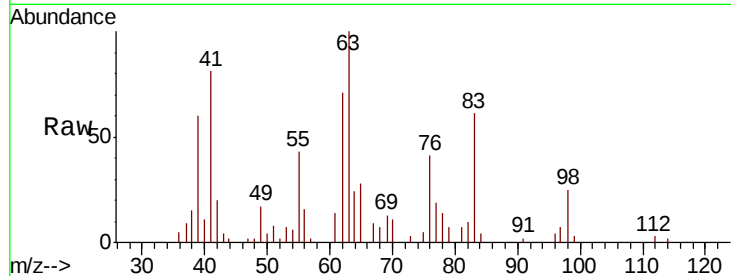




#37
 1,2-Dichloropropane
 Concen: 9.563 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

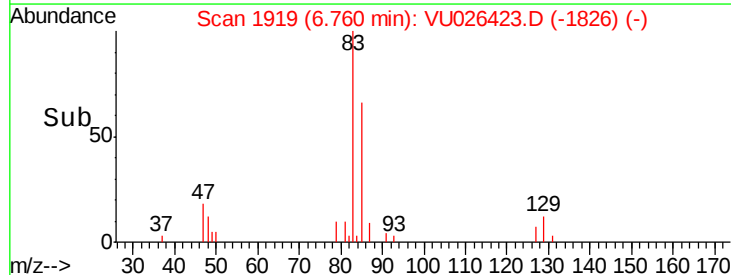
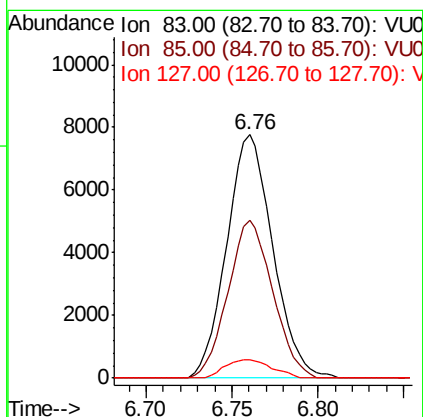
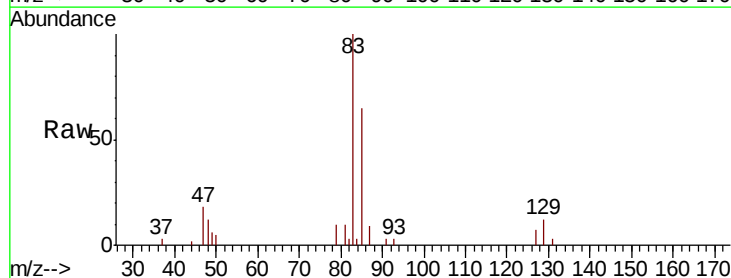
Instrument :
 MSVOA_U
 ClientSampleId :

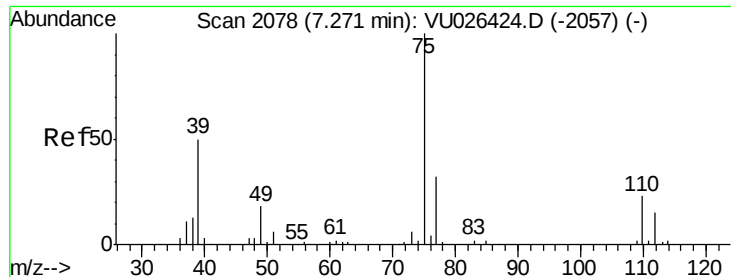
Tot Ion: 63 Resp: 10802
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.0 4.6



#38
 Bromodichloromethane
 Concen: 10.097 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

Tgt Ion: 83 Resp: 14544
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.9 81.5
 127 7.4 7.0 10.6

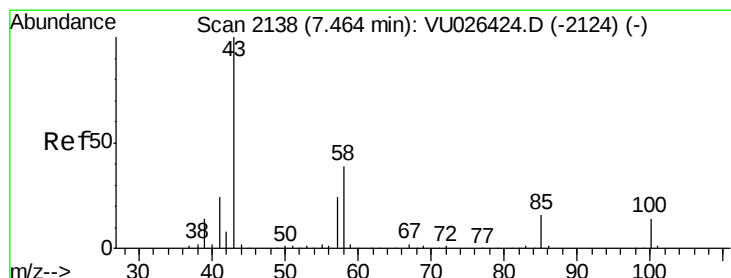
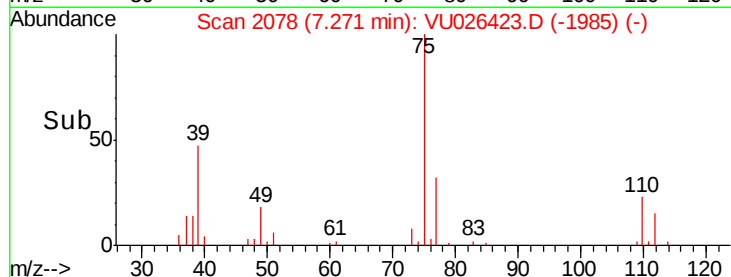
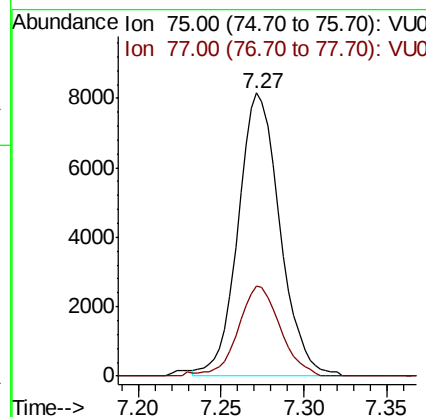
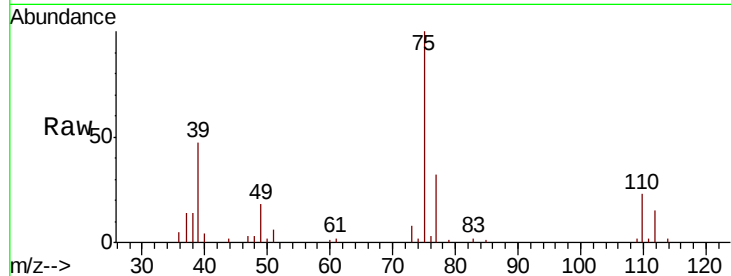




#39
 cis-1,3-Dichloropropene
 Concen: 8.891 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

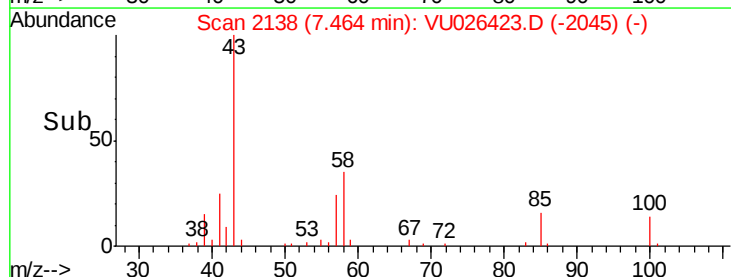
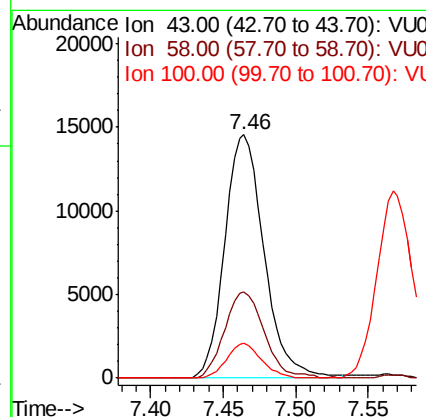
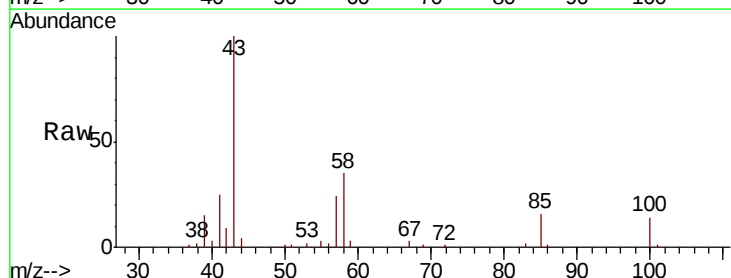
Instrument :
 MSVOA_U
 ClientSampleId :

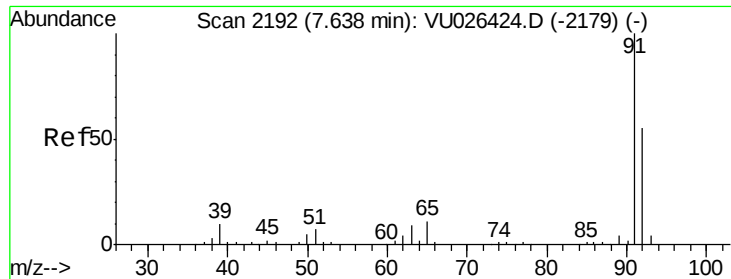
Tot Ion: 75 Resp: 14309
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 18.011 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

Tgt Ion: 43 Resp: 27437
 Ion Ratio Lower Upper
 43 100
 58 35.7 30.4 45.6
 100 12.6 11.0 16.4





#42

Toluene

Concen: 9.143 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_U

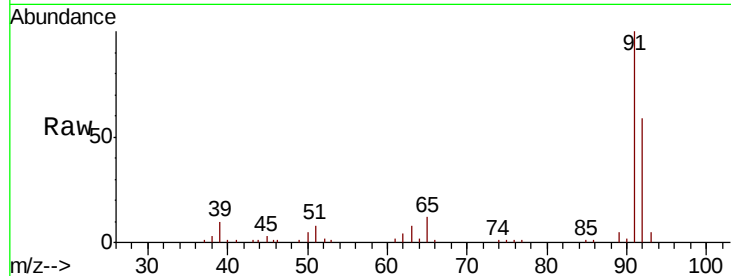
ClientSampled :

Tot Ion: 91 Resp: 38924

Ion Ratio Lower Upper

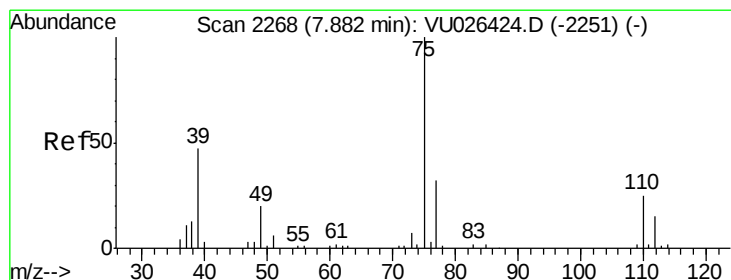
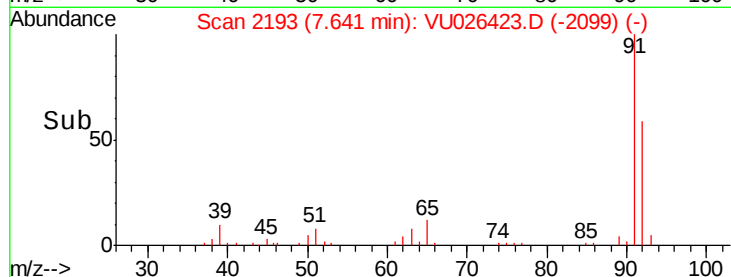
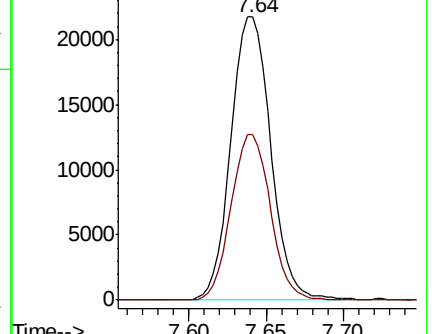
91 100

92 58.6 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: 9.040 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026423.D

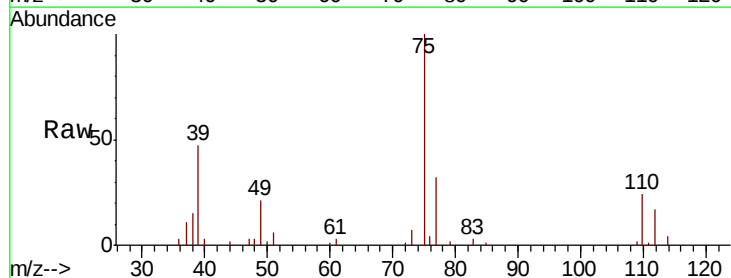
Acq: 29 Aug 2018 14:55

Tgt Ion: 75 Resp: 13867

Ion Ratio Lower Upper

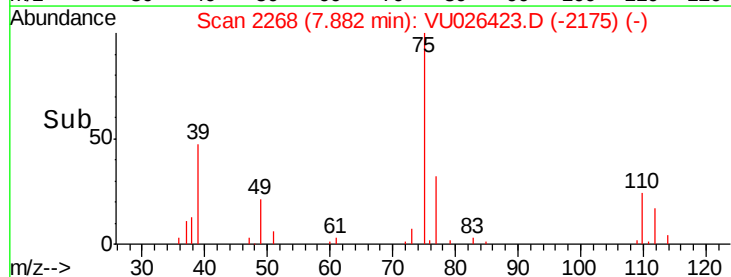
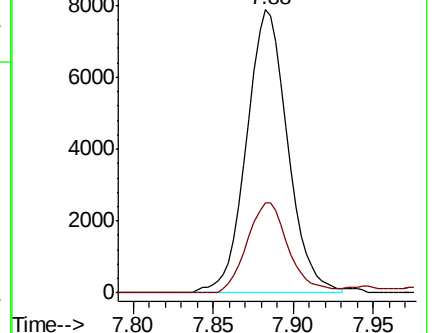
75 100

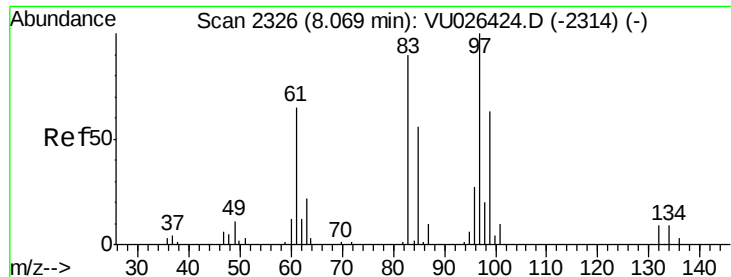
77 31.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

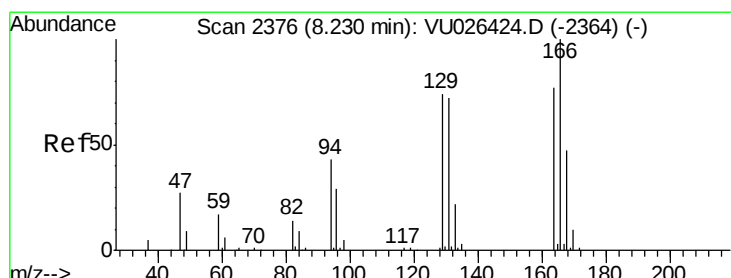
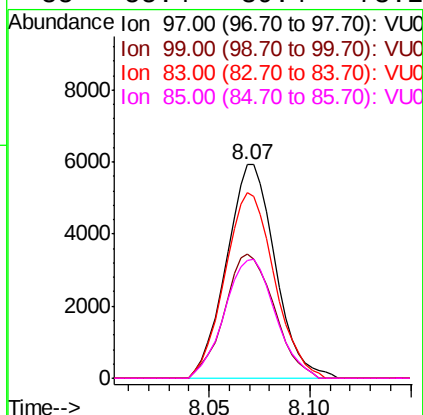
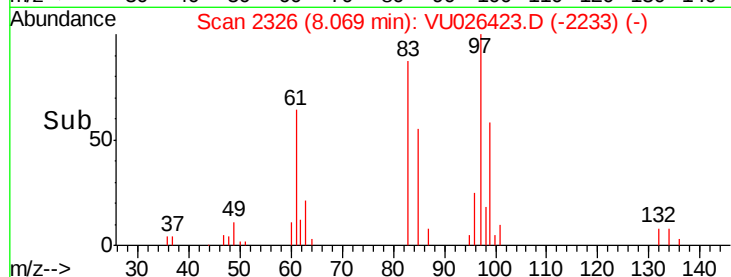
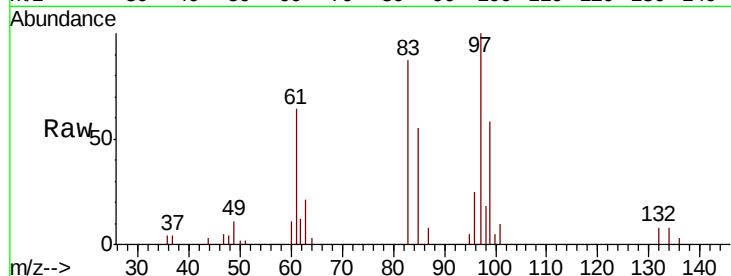




#45
1,1,2-Trichloroethane
Concen: 9.677 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

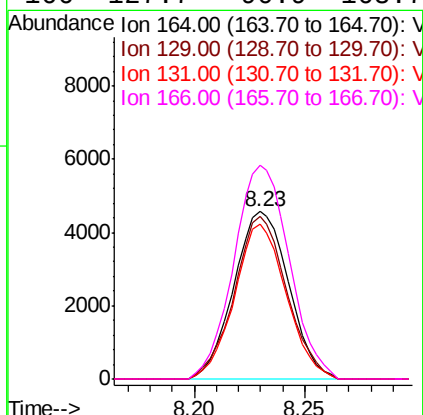
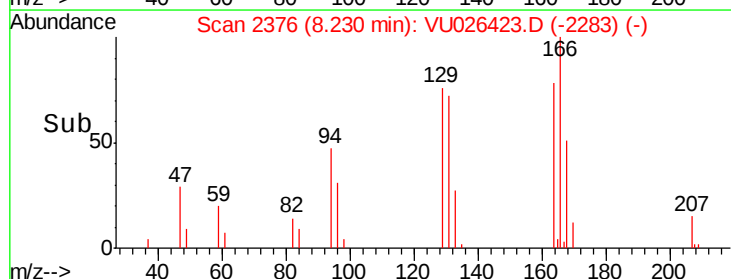
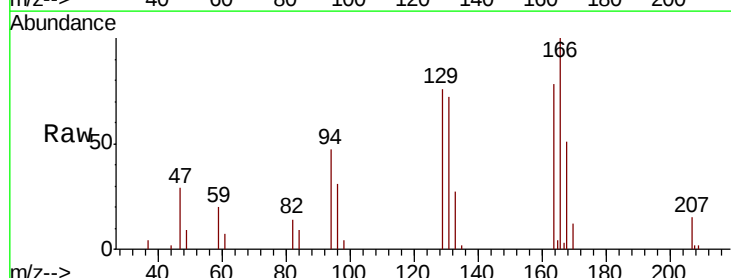
Instrument :
MSVOA_U
ClientSampled :

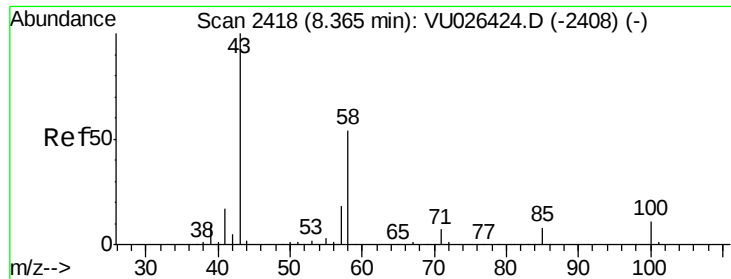
Tot Ion:	97	Resp:	10013
Ion	Ratio	Lower	Upper
97	100		
99	58.0	43.9	81.5
83	87.0	62.7	116.5
85	55.4	39.4	73.2



#46
Tetrachloroethene
Concen: 9.401 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

Tgt Ion:	164	Resp:	7866
Ion	Ratio	Lower	Upper
164	100		
129	97.3	67.3	125.1
131	92.4	65.3	121.3
166	127.7	90.9	168.7

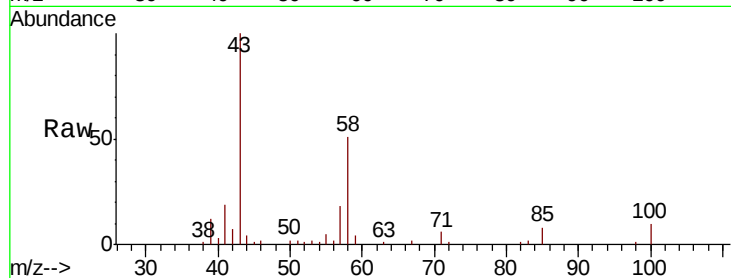




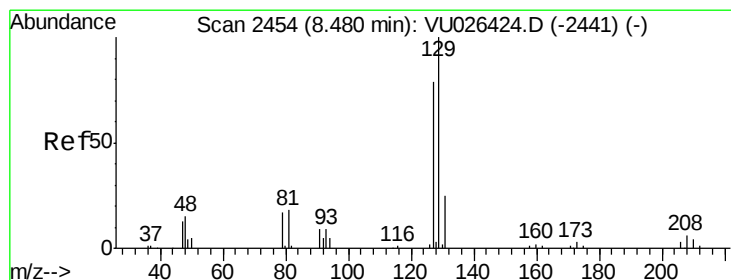
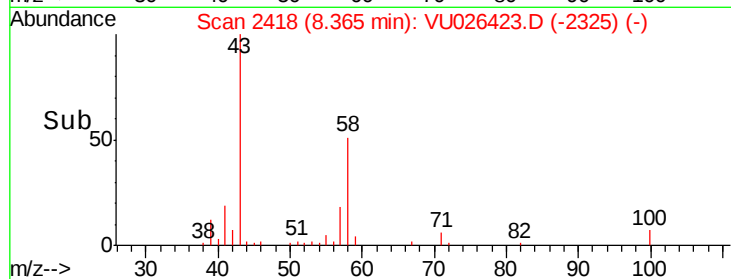
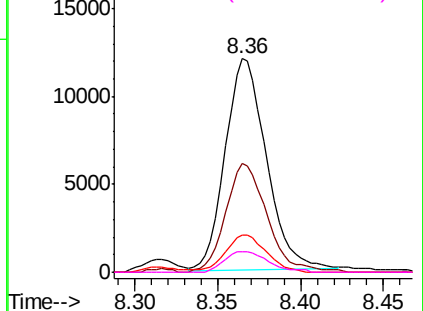
#48
2-Hexanone
Concen: 17.266 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 20715
Ion Ratio Lower Upper
43 100
58 51.6 42.2 63.4
57 17.8 14.6 21.8
100 10.2 8.3 12.5

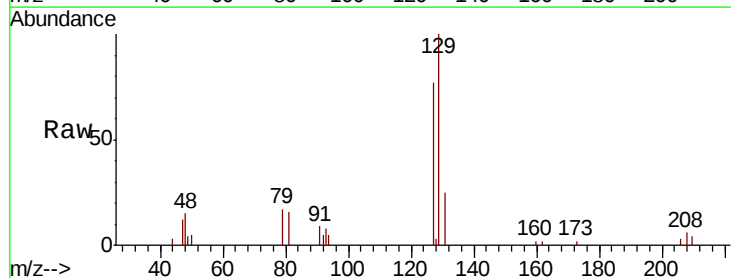


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

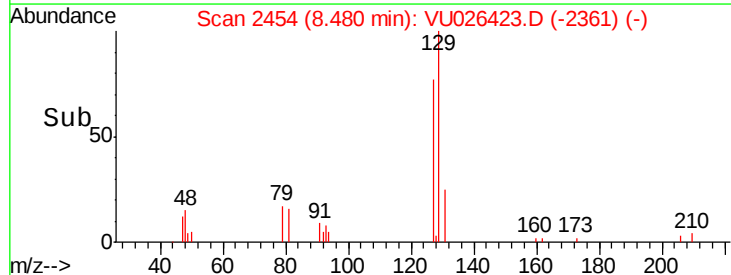
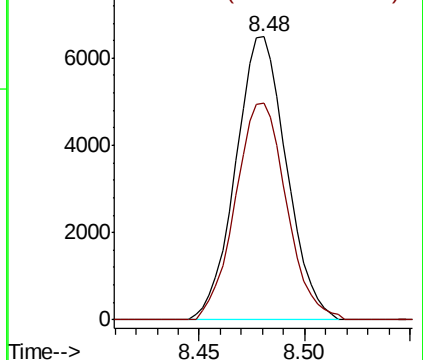


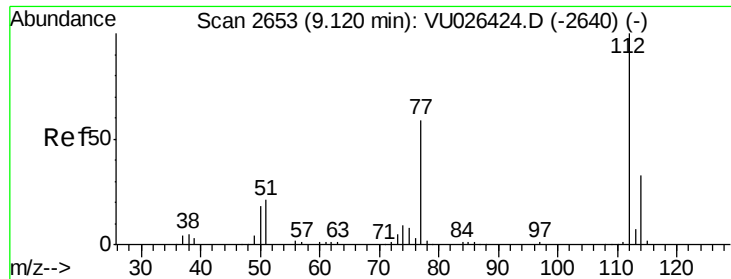
#49
Dibromochloromethane
Concen: 9.330 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

Tgt Ion: 129 Resp: 10878
Ion Ratio Lower Upper
129 100
127 76.6 55.0 102.2



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

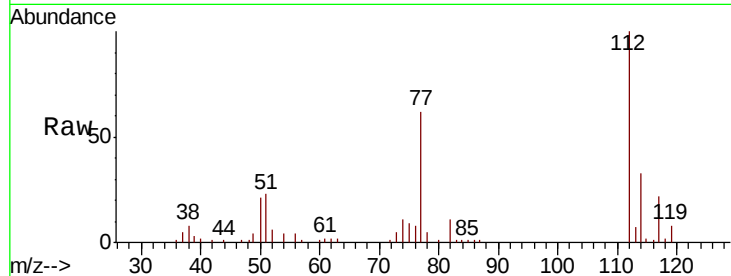




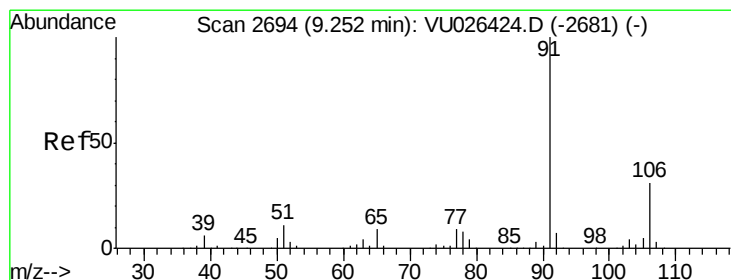
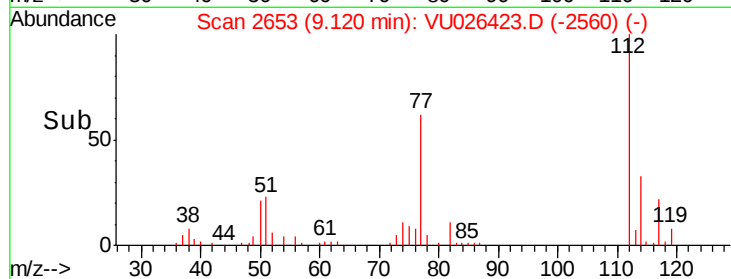
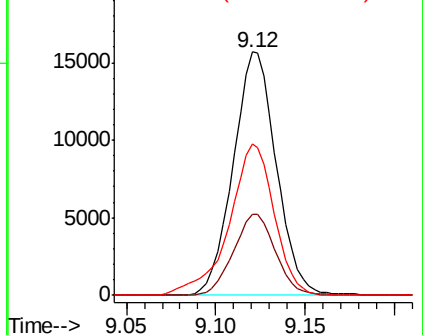
#51
Chlorobenzene
Concen: 9.300 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 26477
Ion Ratio Lower Upper
112 100
114 33.5 23.2 43.2
77 62.1 47.3 70.9

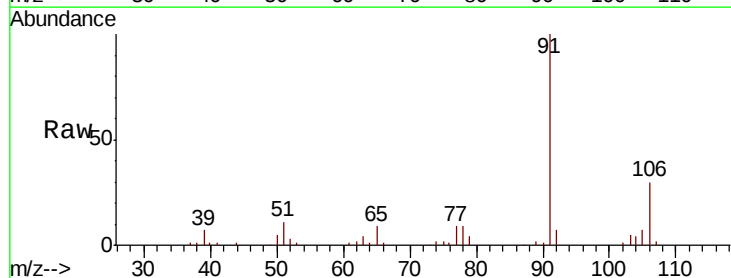


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

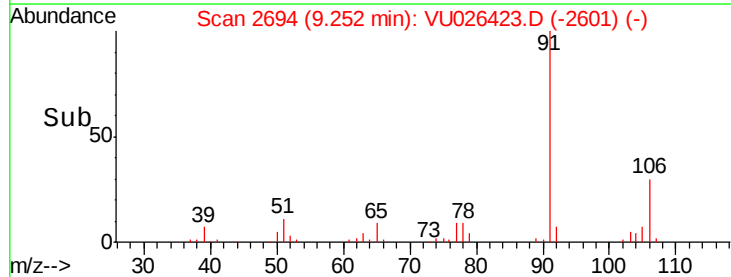
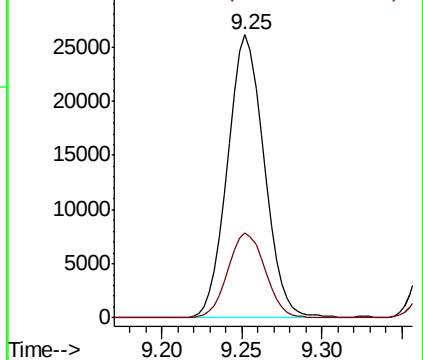


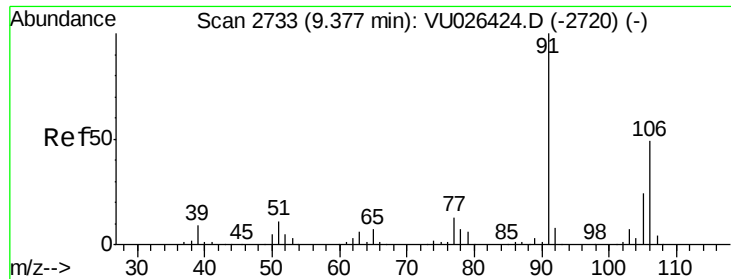
#52
Ethylbenzene
Concen: 8.832 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

Tgt Ion: 91 Resp: 40897
Ion Ratio Lower Upper
91 100
106 30.0 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 8.554 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

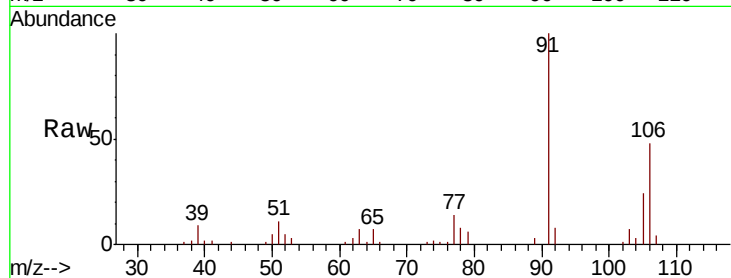
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 14789

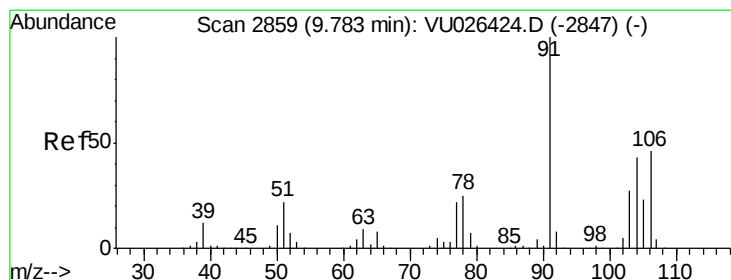
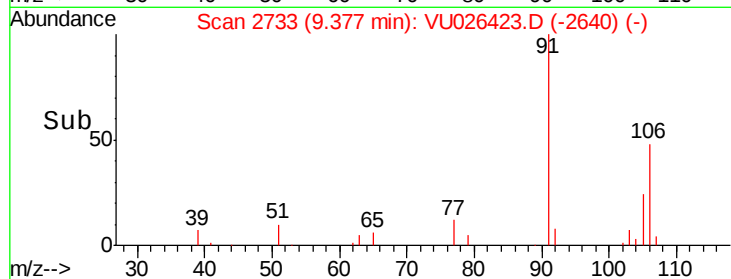
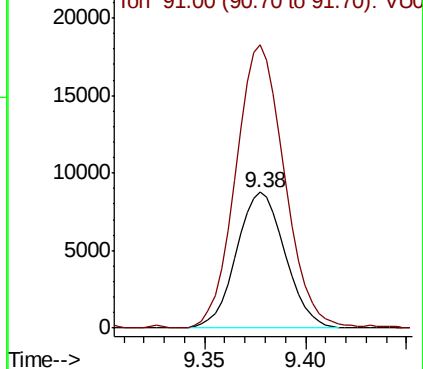
Ion Ratio Lower Upper

106 100

91 208.4 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 8.355 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026423.D

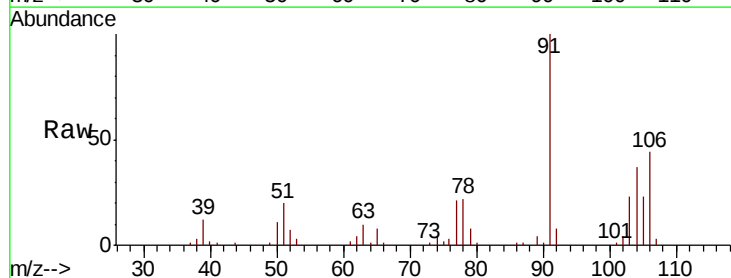
Acq: 29 Aug 2018 14:55

Tgt Ion:106 Resp: 14087

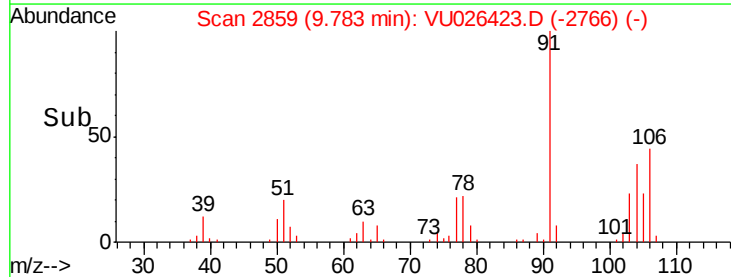
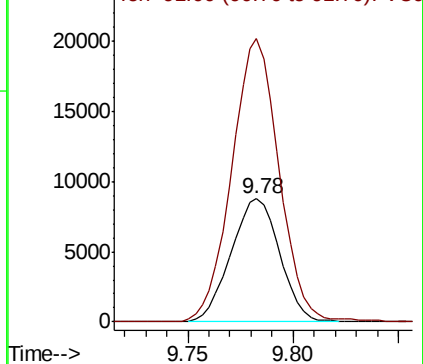
Ion Ratio Lower Upper

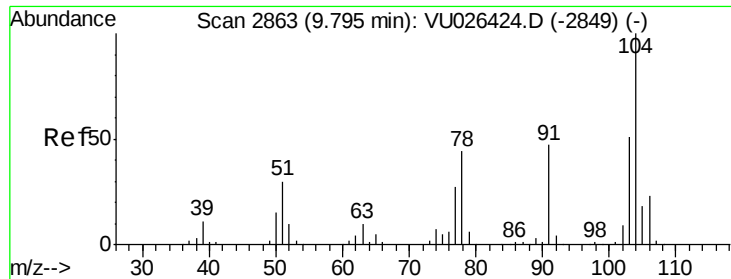
106 100

91 229.6 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

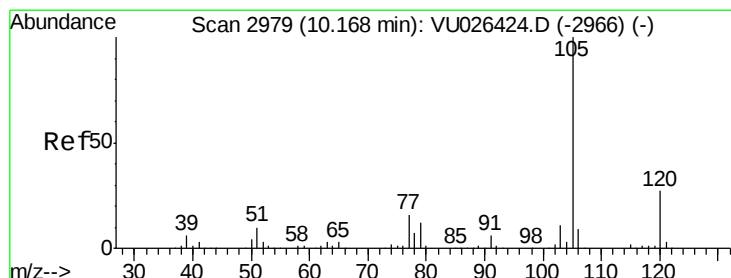
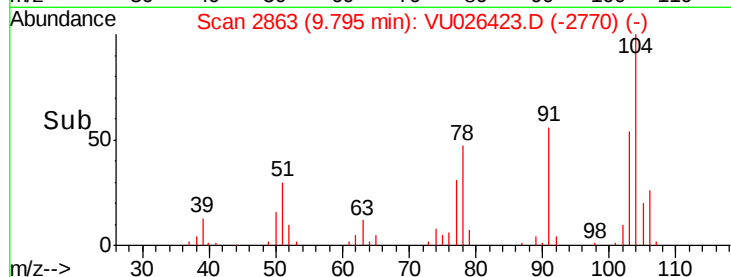
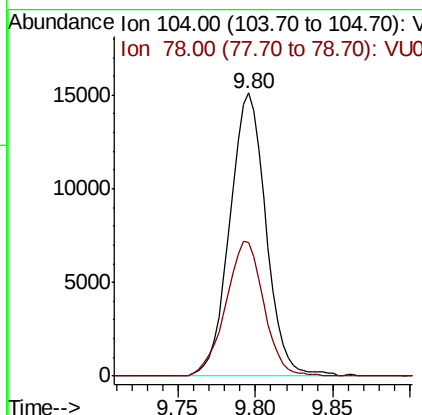
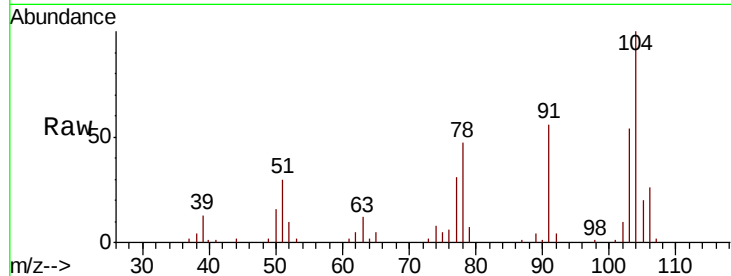




#55
Stvrene
Concen: 8.317 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

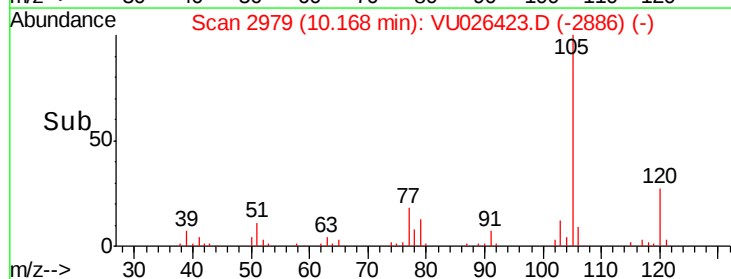
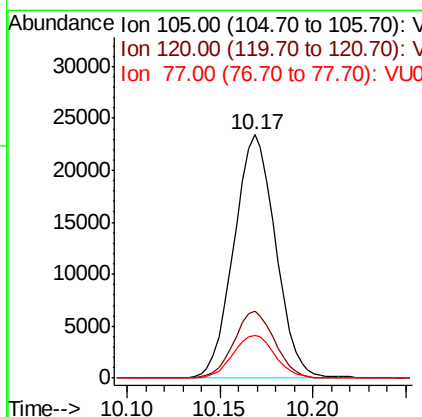
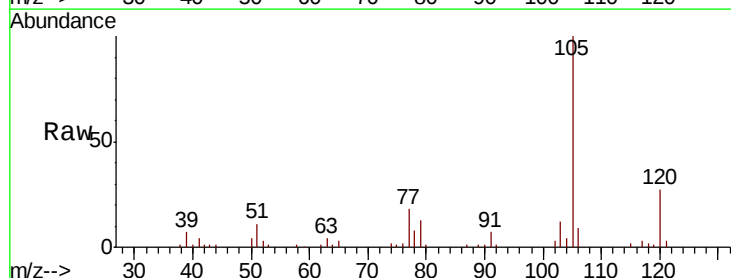
Instrument :
MSVOA_U
ClientSampled :

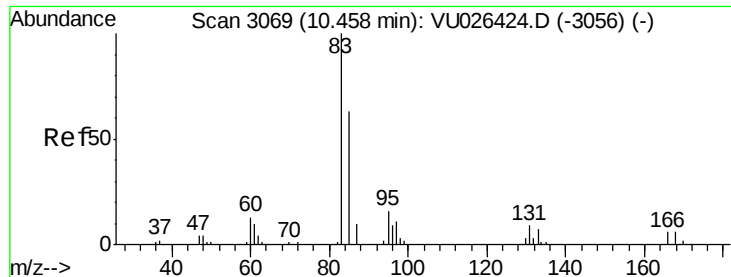
Tot Ion:104 Resp: 24497
Ion Ratio Lower Upper
104 100
78 47.4 31.1 57.7



#56
Isopropylbenzene
Concen: 8.311 ug/L
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU026423.D
Acq: 29 Aug 2018 14:55

Tgt Ion:105 Resp: 36681
Ion Ratio Lower Upper
105 100
120 26.8 21.5 32.3
77 17.5 12.9 19.3





#58

1,1,2,2-Tetrachloroethane

Concen: 9.274 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

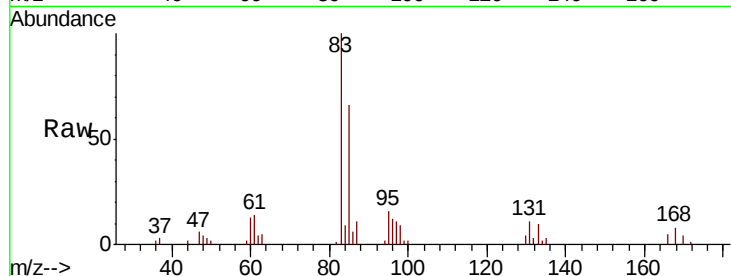
Tot Ion: 83 Resp: 16903

Ion Ratio Lower Upper

83 100

85 66.0 44.3 82.3

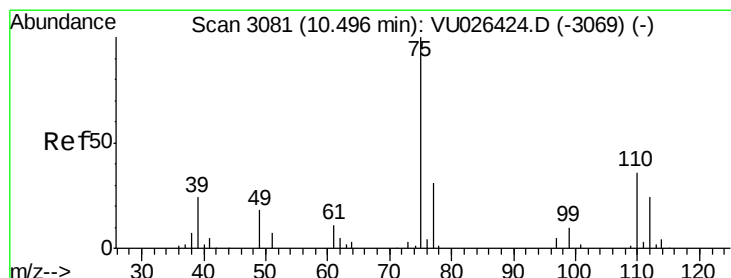
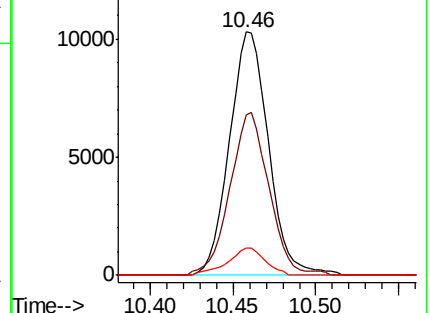
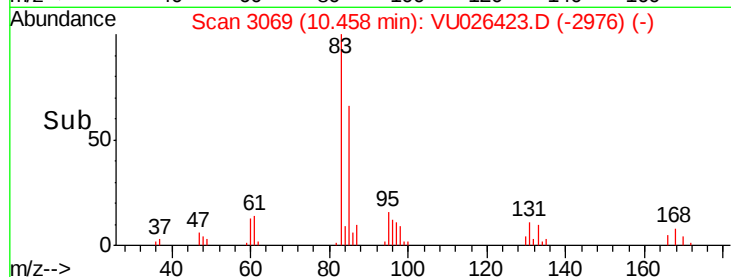
131 11.0 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V



#59

1,2,3-Trichloropropane

Concen: 9.437 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU026423.D

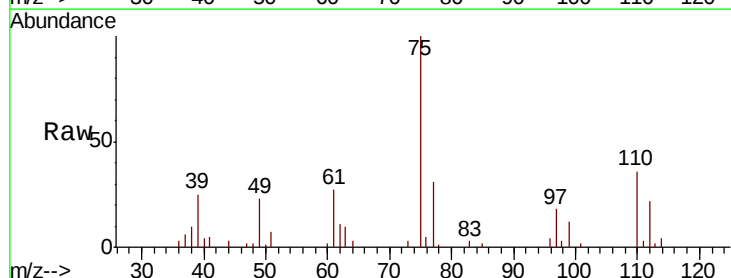
Acq: 29 Aug 2018 14:55

Tgt Ion: 75 Resp: 13300

Ion Ratio Lower Upper

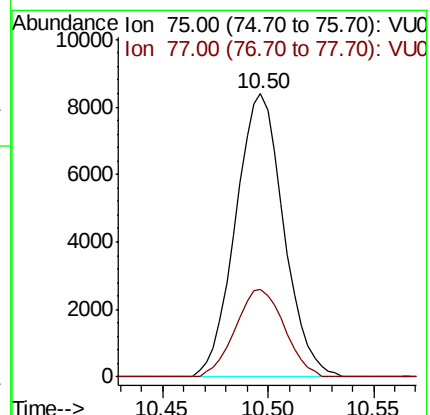
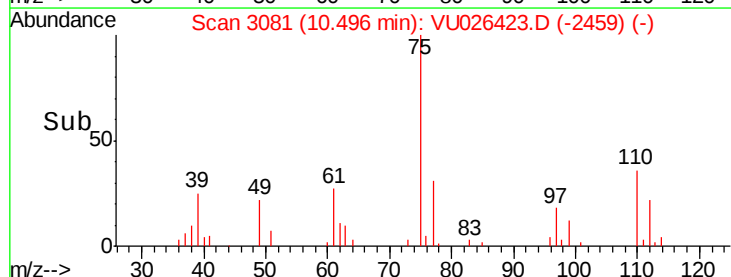
75 100

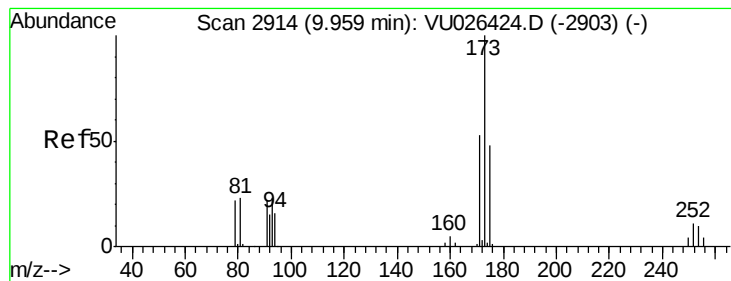
77 31.5 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#61

Bromoform

Concen: 9.586 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Instrument :
MSVOA_U
ClientSampleId :

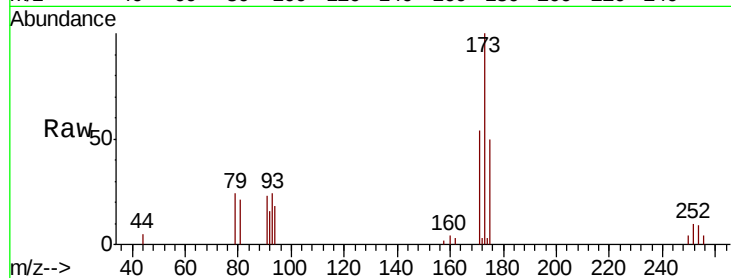
Tot Ion:173 Resp: 8036

Ion Ratio Lower Upper

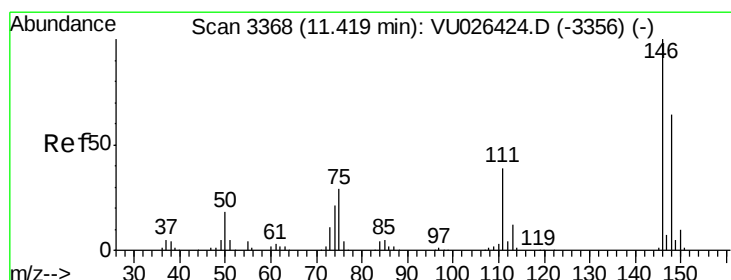
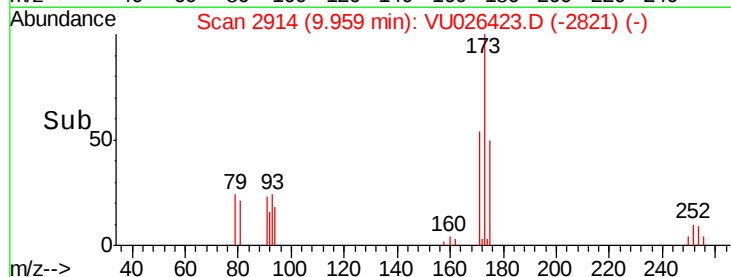
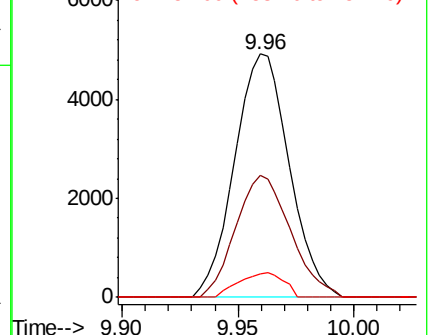
173 100

175 50.3 38.5 57.7

254 8.3 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 9.714 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

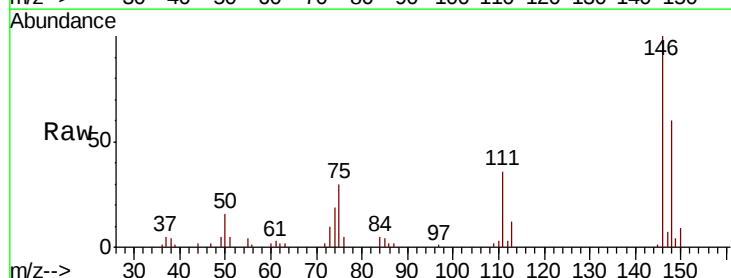
Tgt Ion:146 Resp: 19308

Ion Ratio Lower Upper

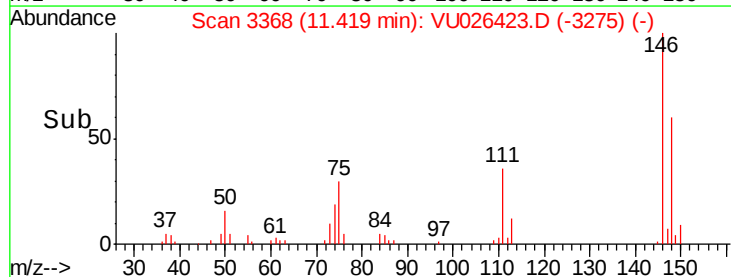
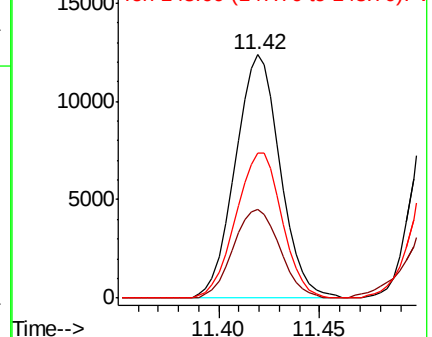
146 100

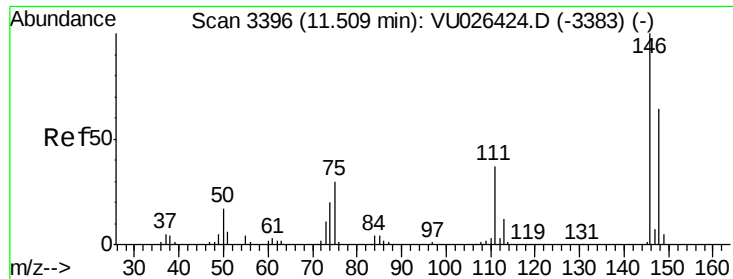
111 36.3 27.5 51.1

148 59.5 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

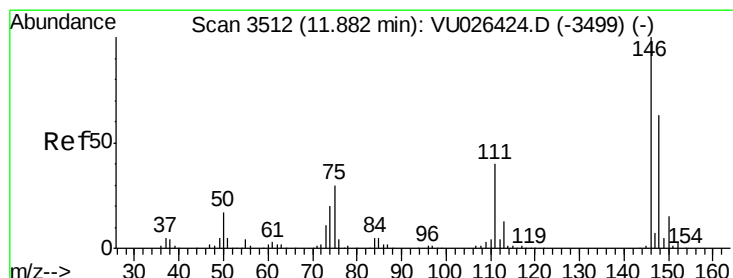
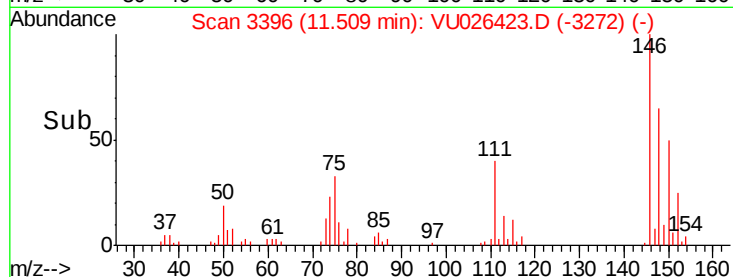
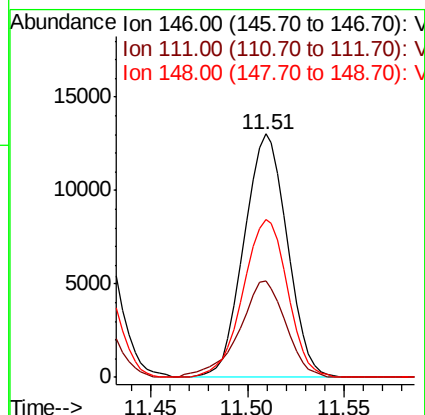
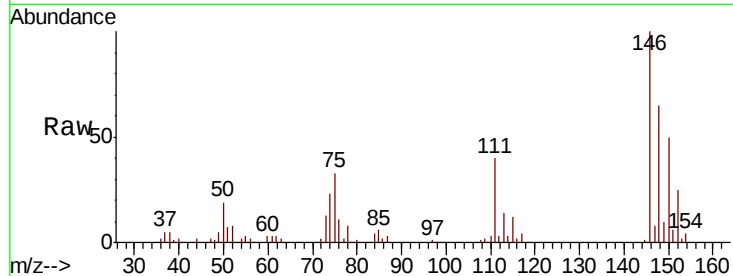




#63
 1,4-Dichlorobenzene
 Concen: 9.667 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

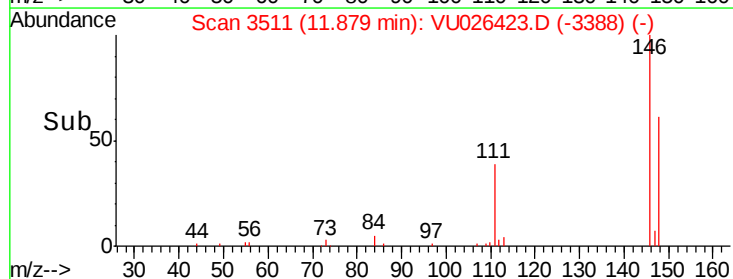
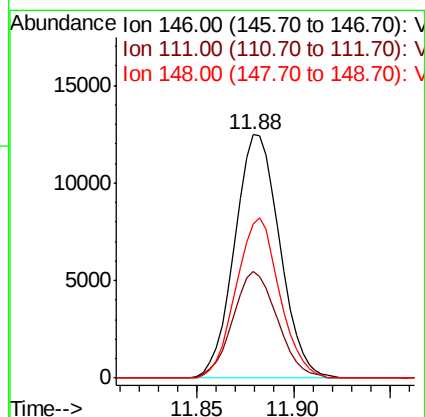
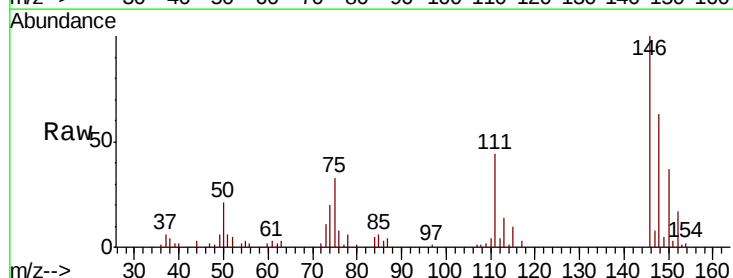
Instrument :
 MSVOA_U
 ClientSampleId :

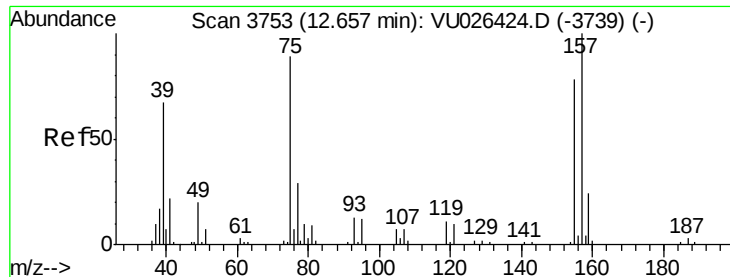
Tot Ion:146 Resp: 20323
 Ion Ratio Lower Upper
 146 100
 111 39.8 26.2 48.6
 148 64.7 44.9 83.5



#65
 1,2-Dichlorobenzene
 Concen: 9.666 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

Tgt Ion:146 Resp: 20264
 Ion Ratio Lower Upper
 146 100
 111 43.8 32.0 48.0
 148 63.4 50.2 75.2





#66

1,2-Dibromo-3-chloropropane

Concen: 9.552 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

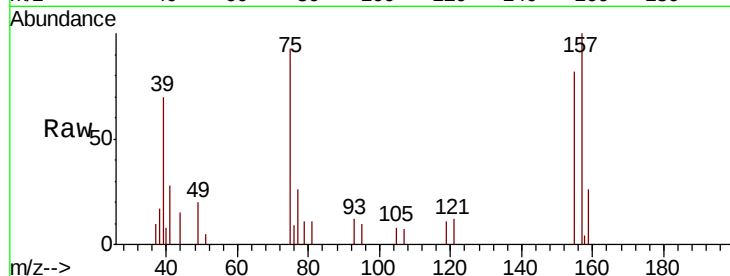
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3367

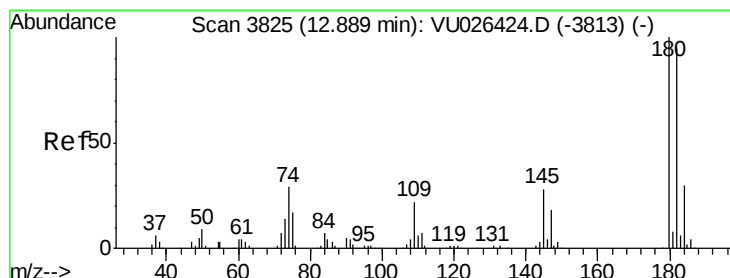
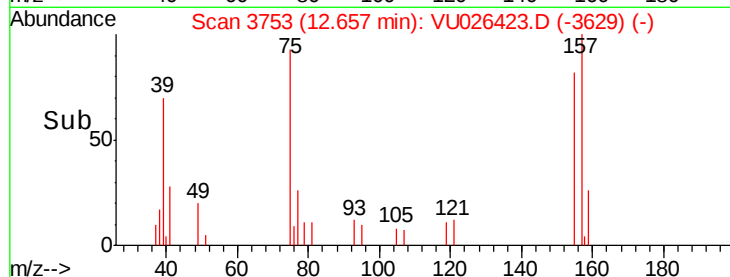
Ion	Ratio	Lower	Upper
75	100		
155	88.1	69.8	104.8
157	107.4	89.8	134.8



Abundance Ion 75.00 (74.70 to 75.70): VU026423.D (-3629) (-)

Ion 155.00 (154.70 to 155.70): VU026423.D (-3629) (-)

Ion 157.00 (156.70 to 157.70): VU026423.D (-3629) (-)



#67

1,3,5-Trichlorobenzene

Concen: 9.395 ug/L

RT: 12.89 min Scan# 3825

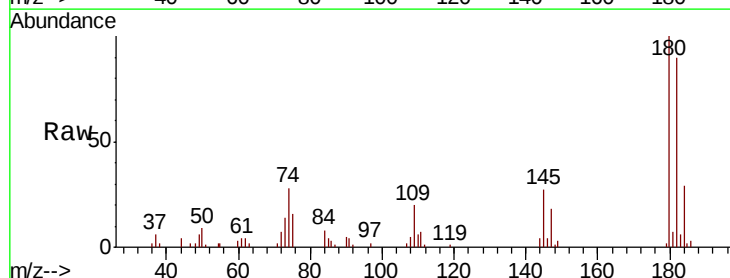
Delta R.T. 0.00 min

Lab File: VU026423.D

Acq: 29 Aug 2018 14:55

Tgt Ion:180 Resp: 15070

Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.5	114.7
184	30.0	25.0	37.4
145	27.5	22.3	33.5

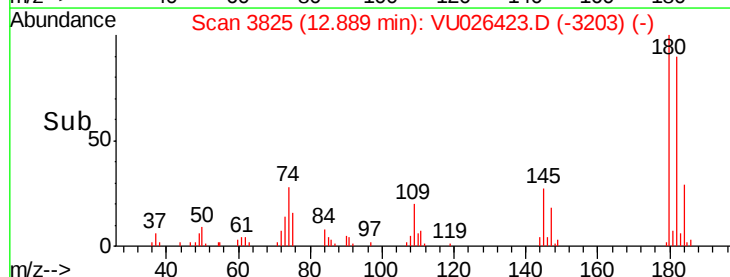


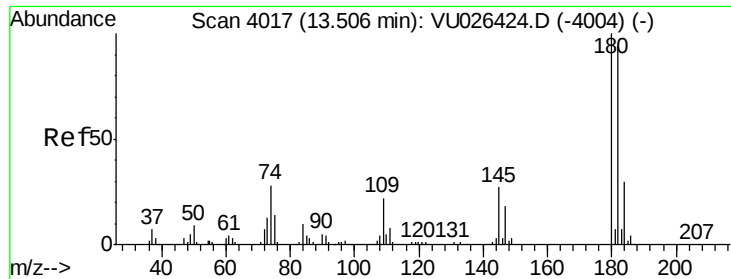
Abundance Ion 180.00 (179.70 to 180.70): VU026423.D (-3203) (-)

Ion 182.00 (181.70 to 182.70): VU026423.D (-3203) (-)

Ion 184.00 (183.70 to 184.70): VU026423.D (-3203) (-)

Ion 145.00 (144.70 to 145.70): VU026423.D (-3203) (-)

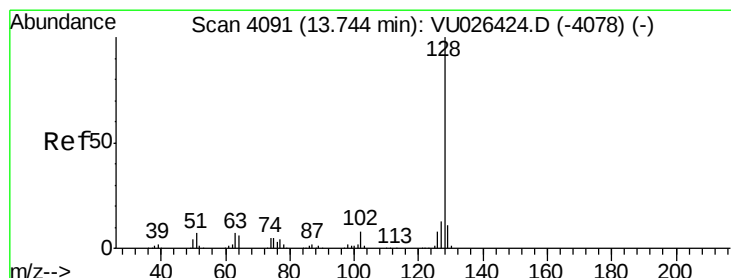
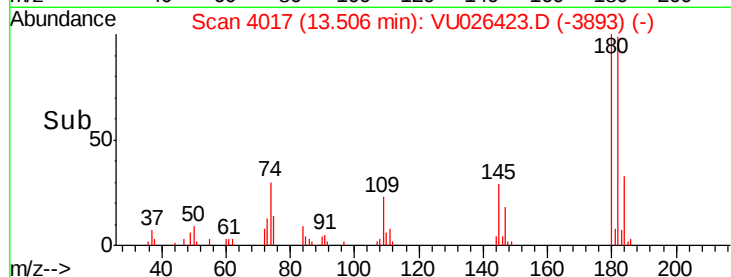
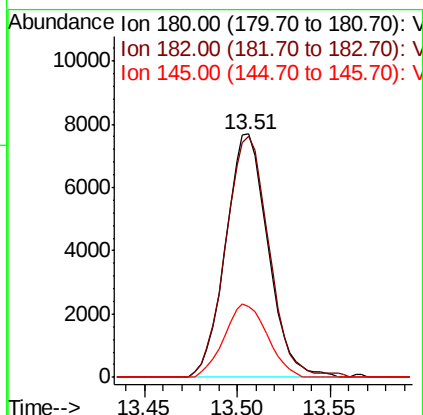
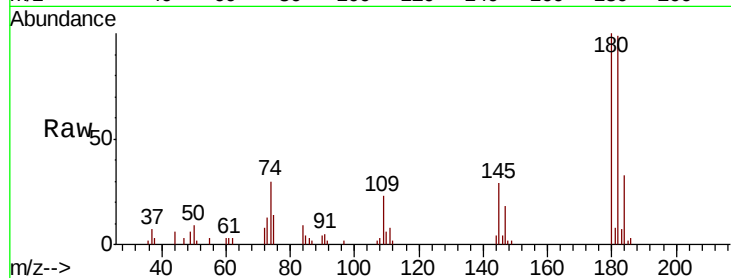




#68
 1,2,4-trichlorobenzene
 Concen: 8.742 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

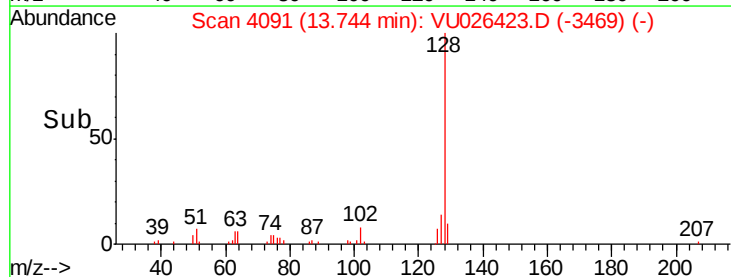
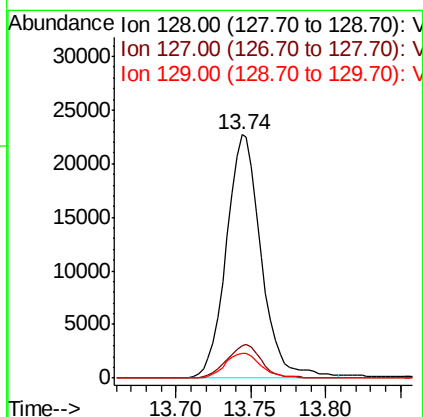
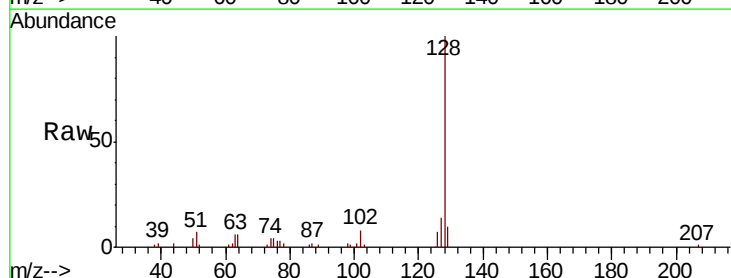
Instrument :
 MSVOA_U
 ClientSampleId :

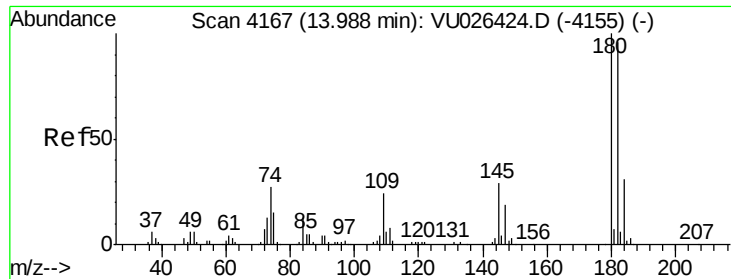
Tot Ion	180	Resp	12248
Ion Ratio	100		
Lower	76.6		
Upper	114.8		
182	100.3		
145	30.4		
	22.4		
	33.6		



#69
 Naphthalene
 Concen: 8.413 ug/L
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

Tgt Ion	128	Resp	36802
Ion Ratio	100		
Lower	10.5		
Upper	15.7		
127	13.4		
129	10.3		
	8.5		
	12.7		





#70
 1,2,3-Trichlorobenzene
 Concen: 9.668 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU026423.D
 Acq: 29 Aug 2018 14:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	91.4	76.5	114.7	
145	28.6	23.9	35.9	

