

Data File : VU026130.D
Acq On : 15 Aug 2018 08:00
Operator : MD/SY
Sample : VSTD00560
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00560

Quant Time: Aug 16 02:00:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 02:00:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	298943	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	279015	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	122563	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	9199	5.24	ug/L	0.00
7) Chloroethane-d5	1.68	69	7845	5.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	17847	5.18	ug/L	0.00
21) 2-Butanone-d5	4.18	46	12802	9.50	ug/L	0.00
24) Chloroform-d	4.65	84	20345	5.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	13372	5.20	ug/L	0.00
32) Benzene-d6	5.35	84	35357	4.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	12908	5.46	ug/L	0.00
41) Toluene-d8	7.57	98	32935	4.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	5097	4.55	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	7501	7.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	15977	4.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	13524	5.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	11513	4.864 ug/L	95
3) Chloromethane	1.33	50	10564	4.901 ug/L	100
5) Vinyl chloride	1.40	62	10853	5.043 ug/L	97
6) Bromomethane	1.62	94	5947	5.363 ug/L	90
8) Chloroethane	1.70	64	6510	5.052 ug/L	95
9) Trichlorofluoromethane	1.89	101	16228	5.107 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	8738	5.075 ug/L	94
12) 1,1-Dichloroethene	2.28	96	7976	5.048 ug/L	81
13) Acetone	2.32	43	14213	11.530 ug/L	98
14) Carbon disulfide	2.48	76	27853	5.084 ug/L	98
15) Methyl Acetate	2.62	43	10435	4.880 ug/L	100
16) Methylene chloride	2.70	84	11091	5.240 ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	9361	4.995 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	28136	4.730 ug/L	98
19) 1,1-Dichloroethane	3.45	63	18106	5.018 ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	9626	4.581 ug/L	99
22) 2-Butanone	4.27	43	14777	9.622 ug/L	98
23) Bromochloromethane	4.55	128	5561	4.896 ug/L	93
25) Chloroform	4.68	83	18526	4.891 ug/L	98
27) 1,2-Dichloroethane	5.41	62	15027	4.907 ug/L	99
29) Cyclohexane	5.00	56	12267	4.400 ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	17254	5.176 ug/L	94
31) Carbon tetrachloride	5.14	117	14706	4.869 ug/L	97
33) Benzene	5.39	78	36941	4.890 ug/L	100
34) Trichloroethene	6.19	95	9461	4.807 ug/L	91
35) Methylcyclohexane	6.42	83	13080	4.427 ug/L	# 86
37) 1,2-Dichloropropane	6.44	63	10459	4.957 ug/L	# 94
38) Bromodichloromethane	6.76	83	13632	4.880 ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	14483	4.624 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	23496	8.977 ug/L	96

Data File : VU026130.D
Acq On : 15 Aug 2018 08:00
Operator : MD/SY
Sample : VSTD00560
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00560

Quant Time: Aug 16 02:00:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 02:00:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	37080	4.621	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	13887	4.601	ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	9871	4.934	ug/L	97
46) Tetrachloroethene	8.23	164	8253	4.862	ug/L	97
48) 2-Hexanone	8.36	43	17706	8.634	ug/L	98
49) Dibromochloromethane	8.48	129	11485	4.767	ug/L	94
50) 1,2-Dibromoethane	8.59	107	9624	4.633	ug/L #	87
51) Chlorobenzene	9.12	112	26381	4.811	ug/L	97
52) Ethylbenzene	9.25	91	38222	4.373	ug/L	98
53) m,p-Xylene	9.38	106	14083	4.181	ug/L	83
54) o-xylene	9.78	106	14408	4.287	ug/L	99
55) Styrene	9.80	104	21643	3.868	ug/L	91
56) Isopropylbenzene	10.17	105	35127	4.071	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	16179	4.843	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	12215	4.699	ug/L	98
61) Bromoform	9.96	173	8111	5.062	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	17608	4.794	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	19354	5.110	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	19359	4.932	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	3134	5.036	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.89	180	12005	4.426	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	7755	3.774	ug/L	99
69) Naphthalene	13.75	128	17417	2.978	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	8539	3.875	ug/L	98

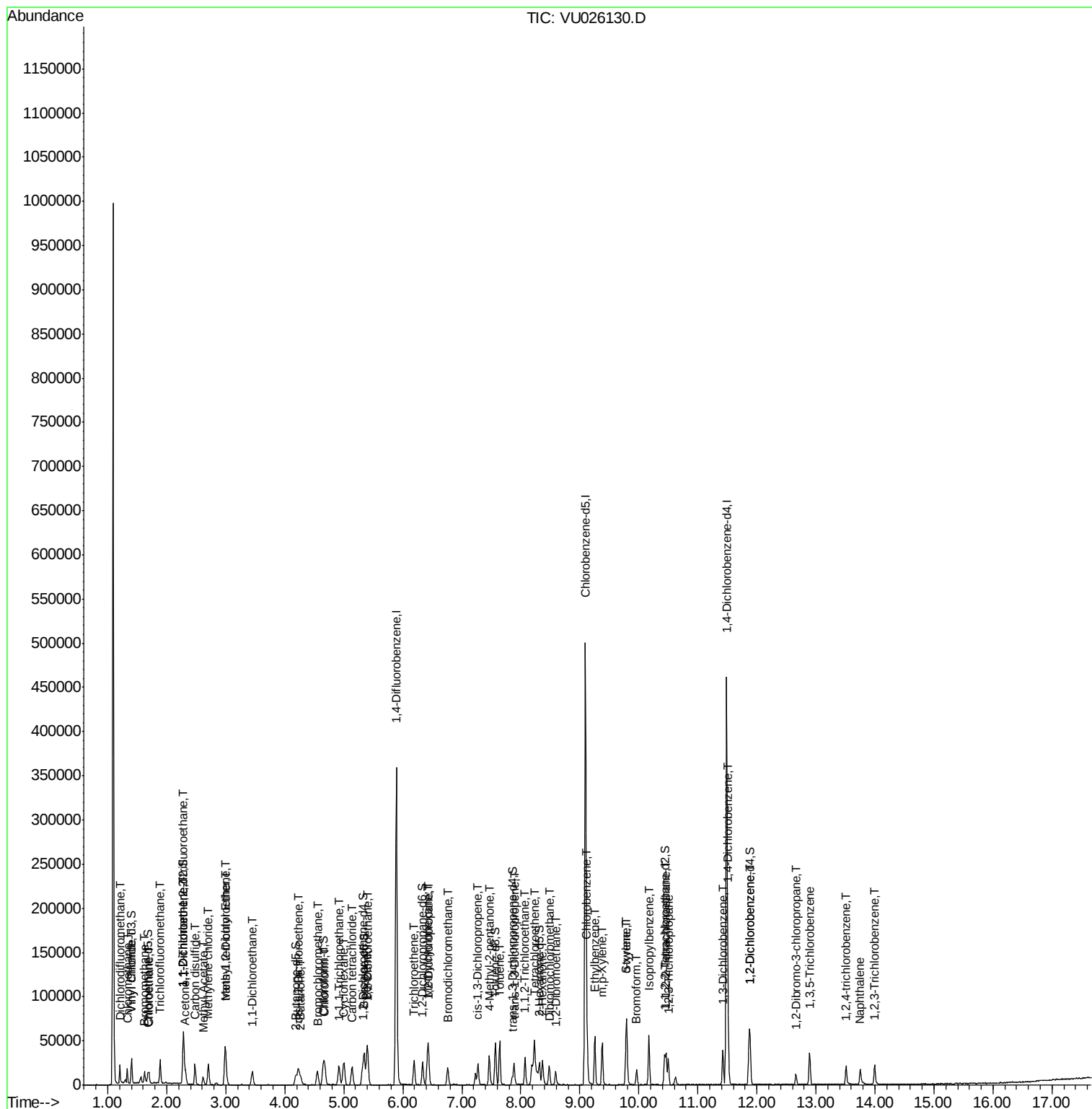
(#) = qualifier out of range (m) = manual integration (+) = signals summed

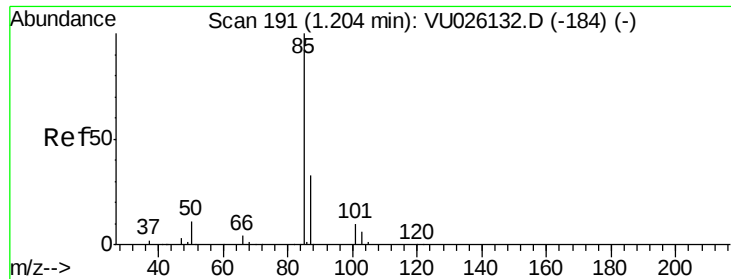
Data File : VU026130.D

```
Acq On       : 15 Aug 2018   08:00
Operator     : MD/SY
Sample       : VSTD00560
Misc         : 5.0mL/MSV0A_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00560

Quant Time: Aug 16 02:00:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 02:00:17 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.864 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

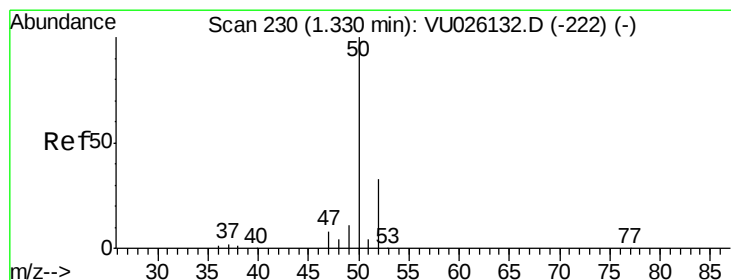
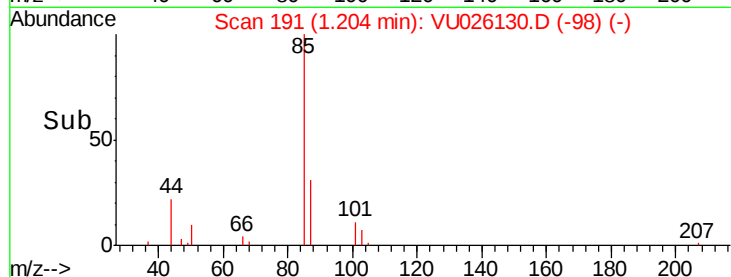
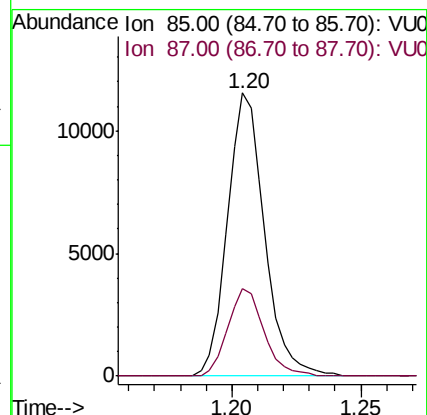
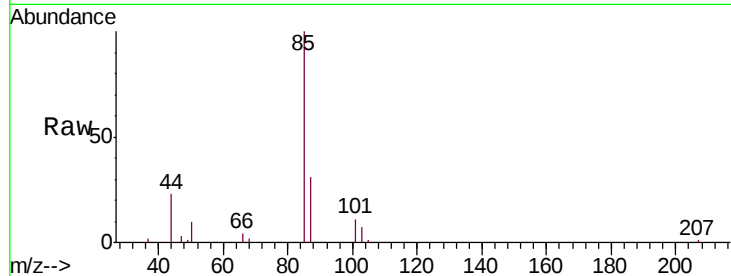
VSTD00560

Tgt Ion: 85 Resp: 11513

Ion Ratio Lower Upper

85 100

87 30.0 26.1 39.1



#3

Chloromethane

Concen: 4.901 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026130.D

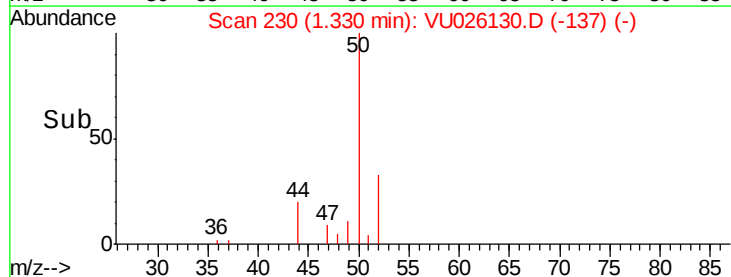
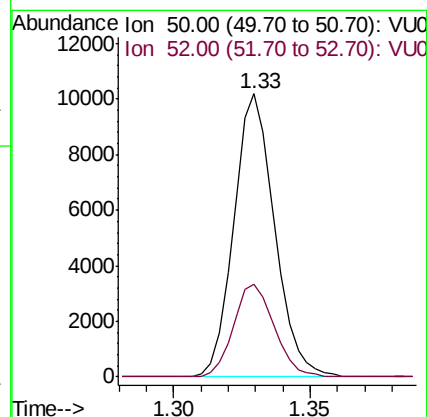
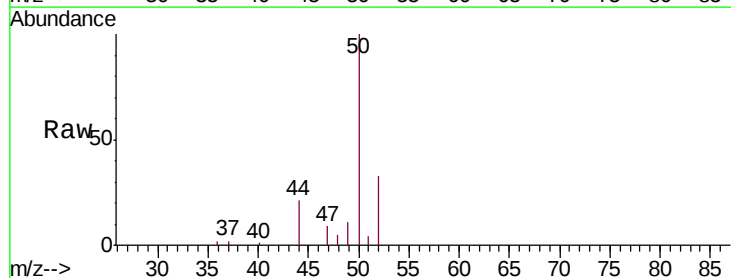
Acq: 15 Aug 2018 08:00

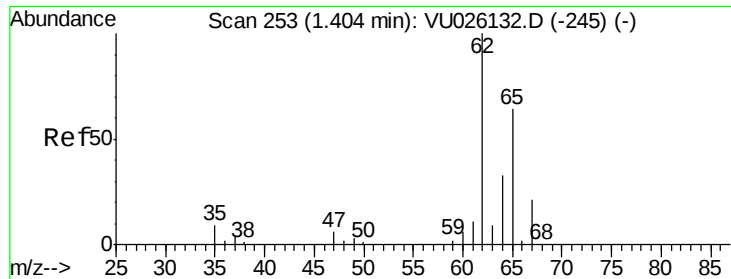
Tgt Ion: 50 Resp: 10564

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8





#5

Vinyl chloride

Concen: 5.043 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

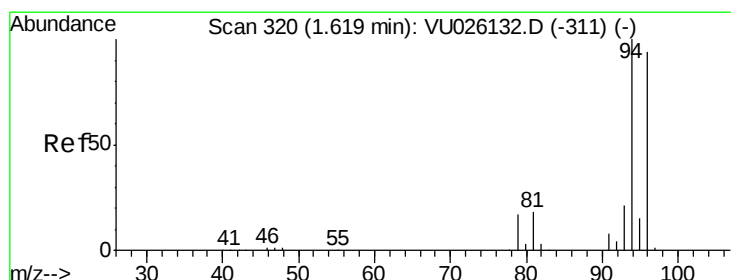
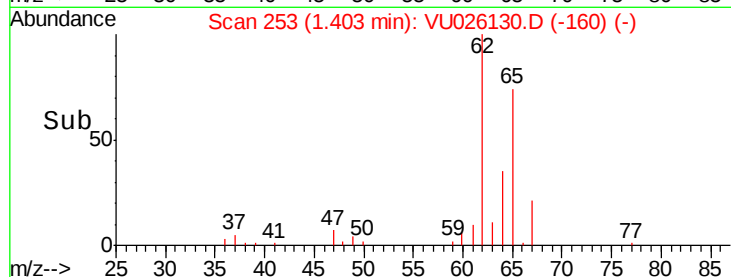
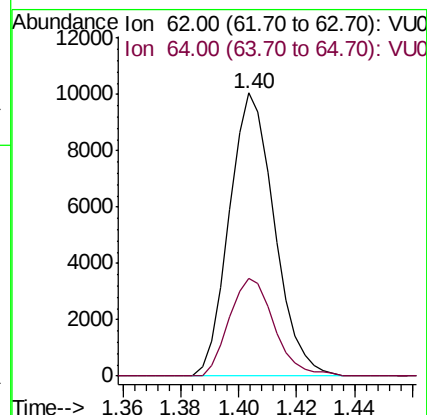
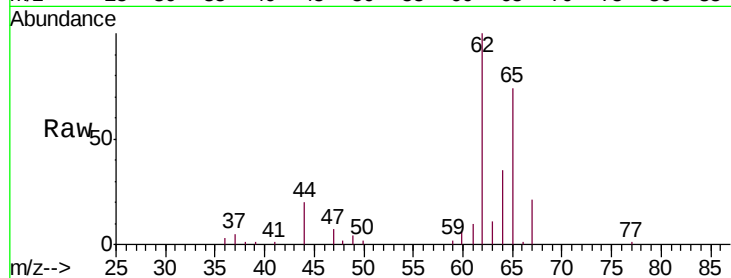
VSTD00560

Tgt Ion: 62 Resp: 10853

Ion Ratio Lower Upper

62 100

64 34.6 23.0 42.8



#6

Bromomethane

Concen: 5.363 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU026130.D

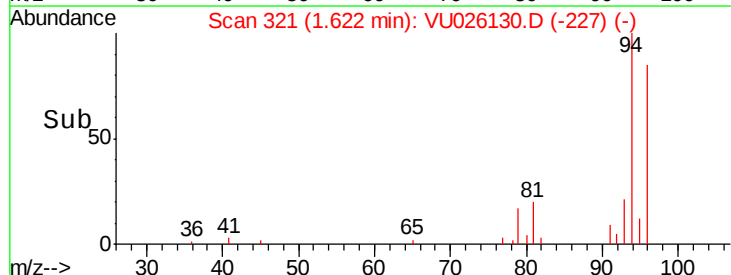
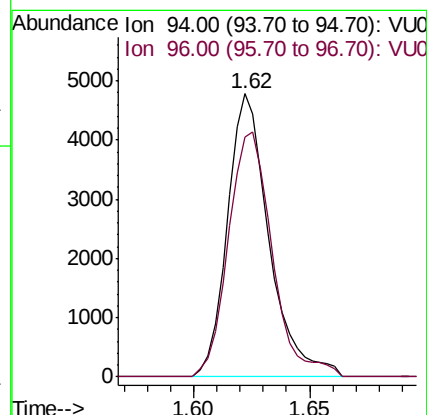
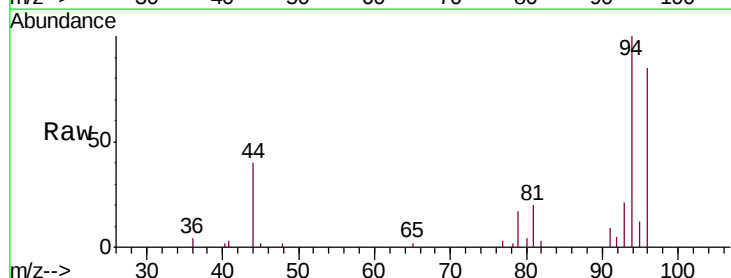
Acq: 15 Aug 2018 08:00

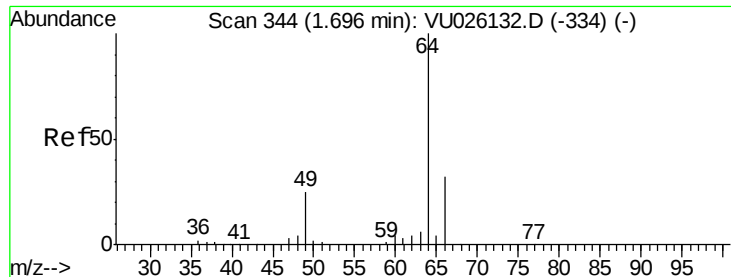
Tgt Ion: 94 Resp: 5947

Ion Ratio Lower Upper

94 100

96 84.6 65.9 122.5





#8

Chloroethane

Concen: 5.052 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampled :

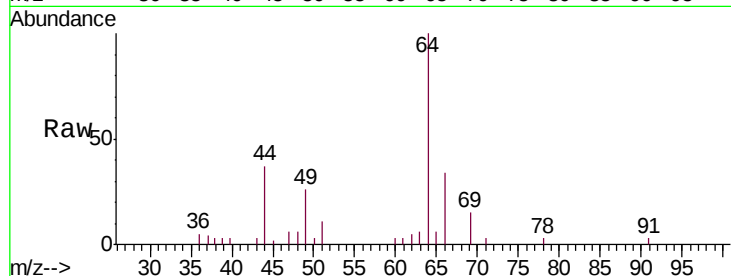
VSTD00560

Tgt Ion: 64 Resp: 6510

Ion Ratio Lower Upper

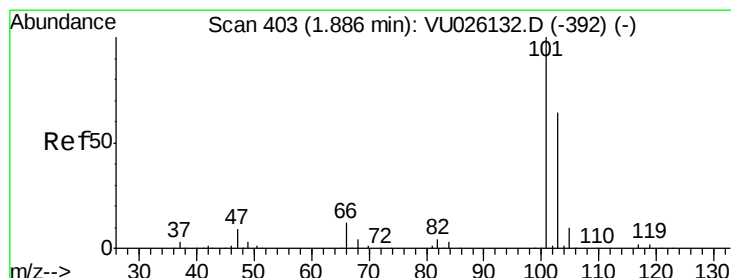
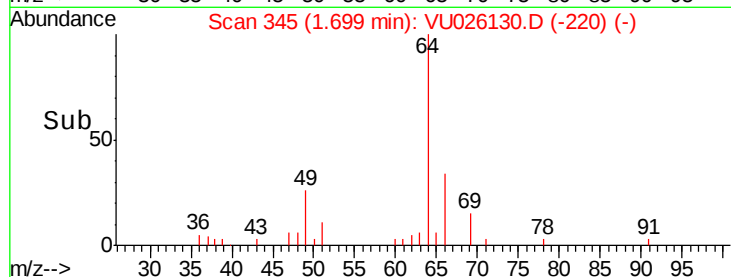
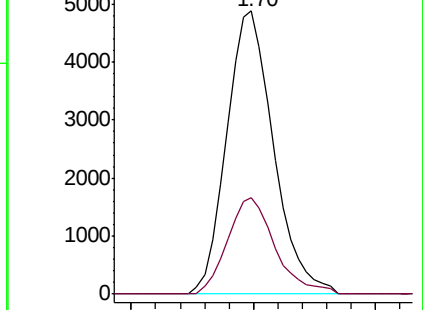
64 100

66 34.2 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026130.D (-334) (-)

Ion 66.00 (65.70 to 66.70): VU026130.D (-334) (-)



#9

Trichlorofluoromethane

Concen: 5.107 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026130.D

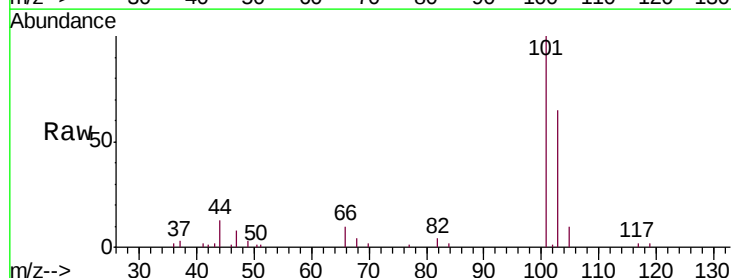
Acq: 15 Aug 2018 08:00

Tgt Ion: 101 Resp: 16228

Ion Ratio Lower Upper

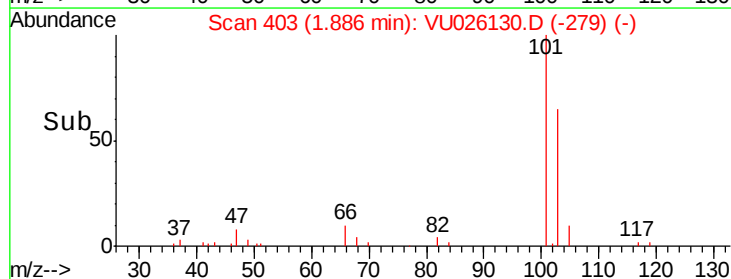
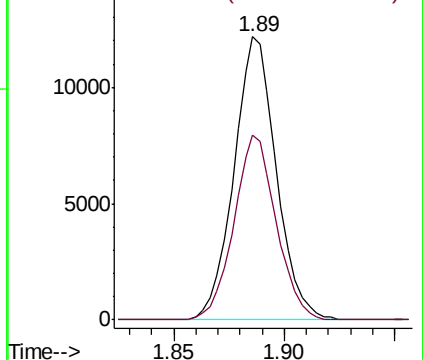
101 100

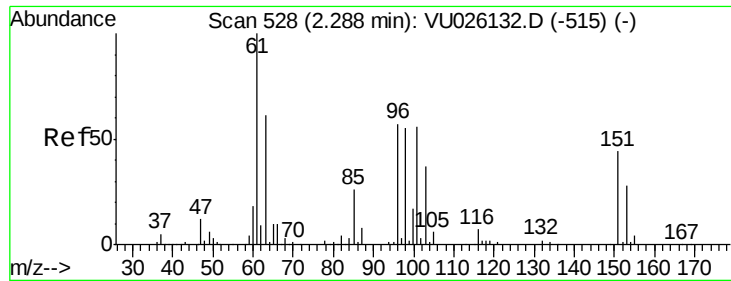
103 64.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU026130.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026130.D (-392) (-)





#10

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

Concen: 5.075 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00560

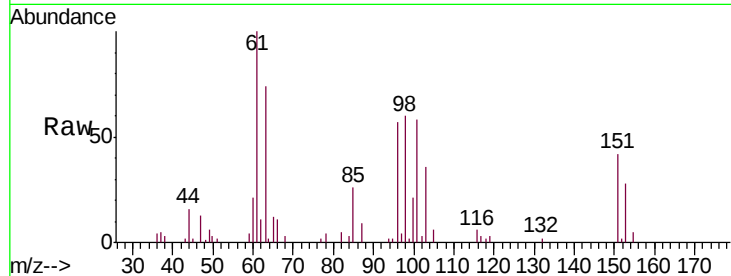
Tgt Ion:101 Resp: 8738

Ion Ratio Lower Upper

101 100

85 43.9 36.6 55.0

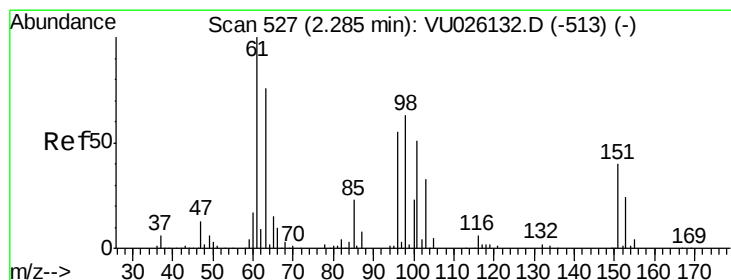
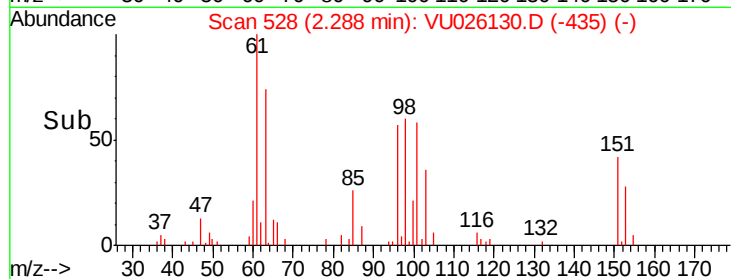
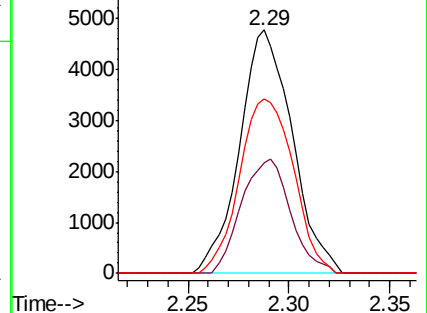
151 73.4 63.8 95.8



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: 5.048 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

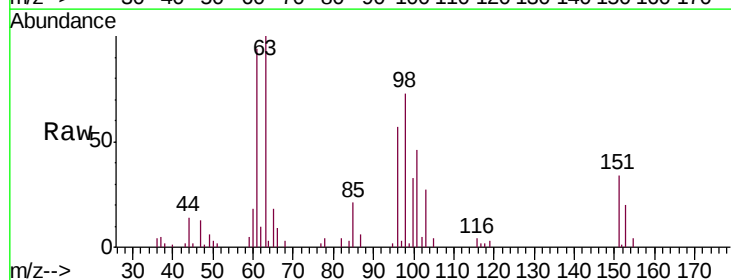
Tgt Ion: 96 Resp: 7976

Ion Ratio Lower Upper

96 100

61 166.4 126.8 235.4

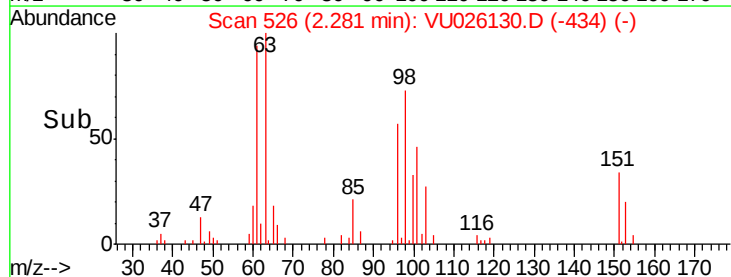
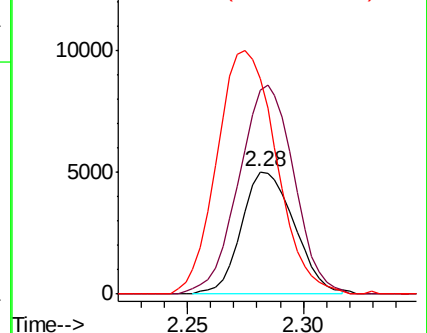
63 176.4 97.0 180.2

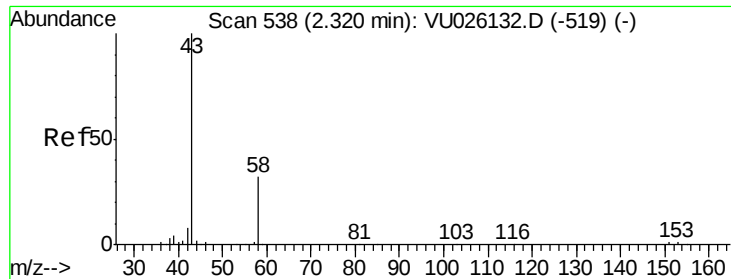


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.530 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

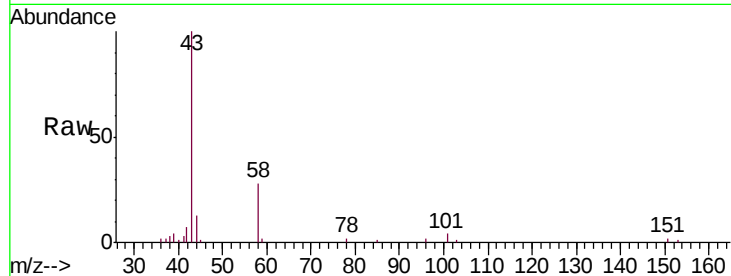
VSTD00560

Tgt Ion: 43 Resp: 14213

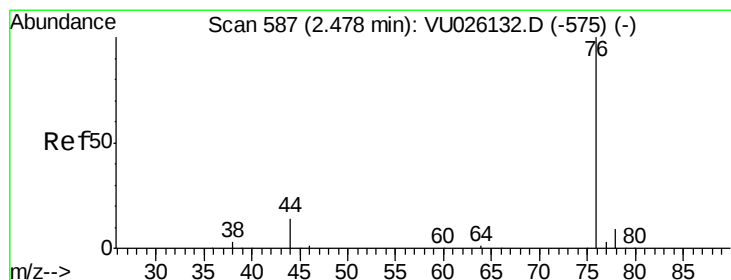
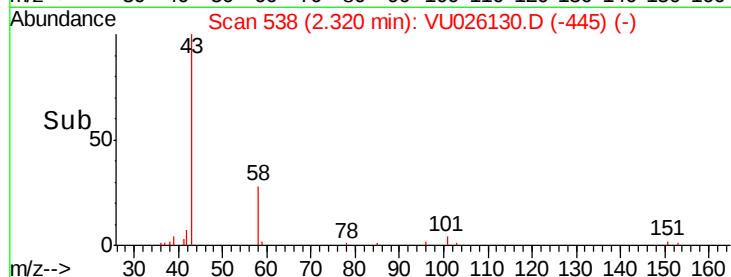
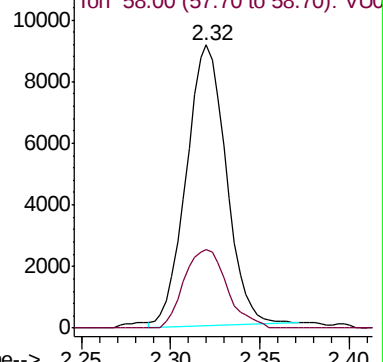
Ion Ratio Lower Upper

43 100

58 30.1 0.0 62.6



Abundance Ion 43.00 (42.70 to 43.70): VU026130.D (-445) (-)



#14

Carbon disulfide

Concen: 5.084 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026130.D

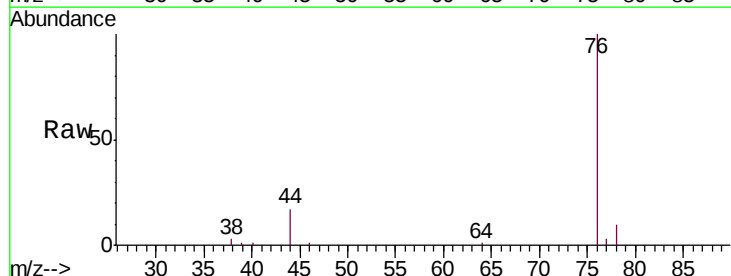
Acq: 15 Aug 2018 08:00

Tgt Ion: 76 Resp: 27853

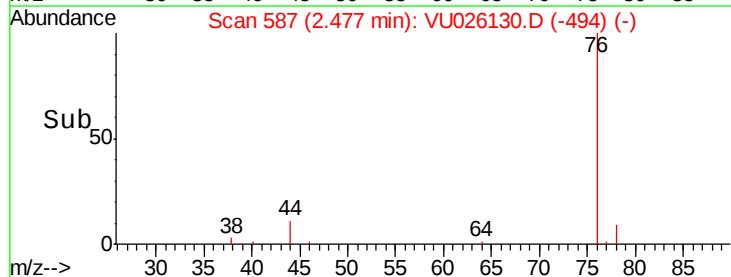
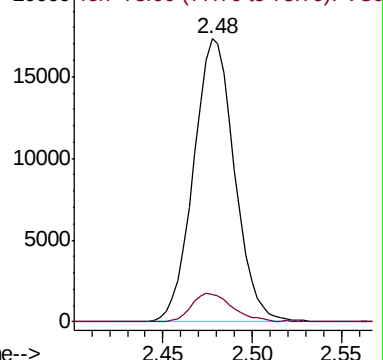
Ion Ratio Lower Upper

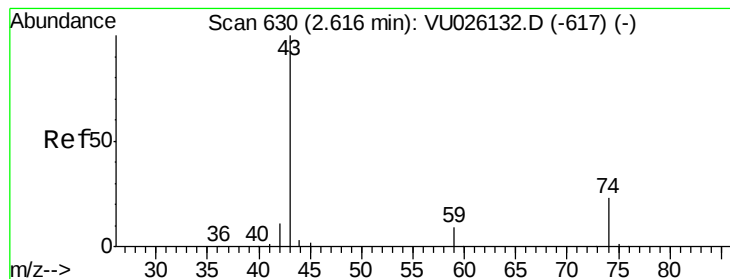
76 100

78 9.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU026130.D (-494) (-)





#15

Methyl Acetate

Concen: 4.880 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

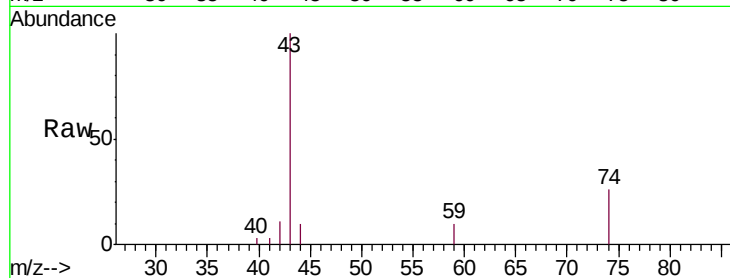
VSTD00560

Tgt Ion: 43 Resp: 10435

Ion Ratio Lower Upper

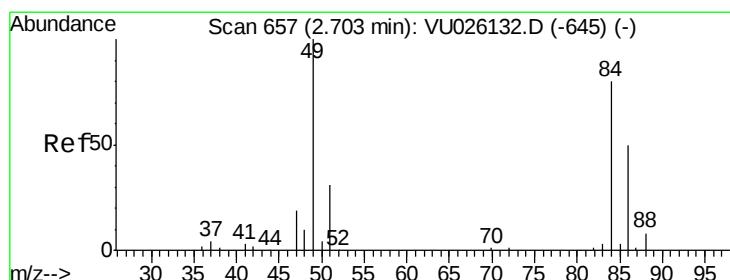
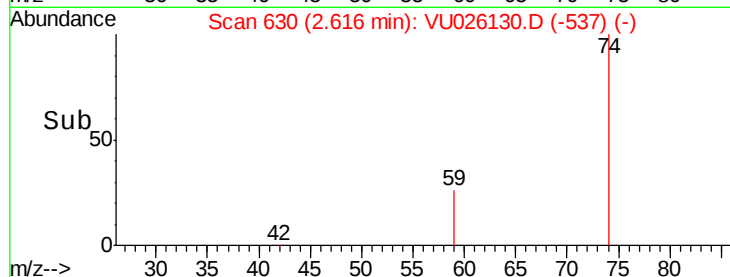
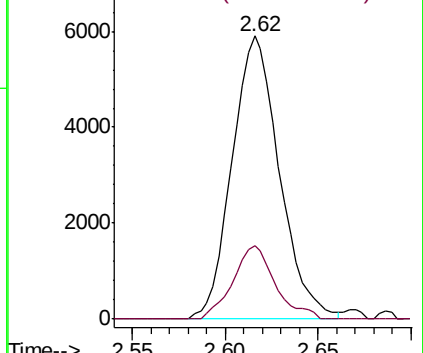
43 100

74 23.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 5.240 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

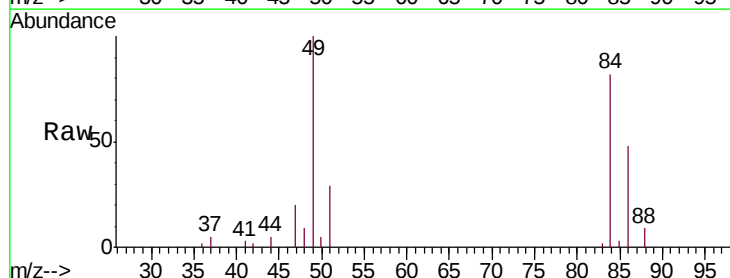
Tgt Ion: 84 Resp: 11091

Ion Ratio Lower Upper

84 100

86 58.9 44.0 81.6

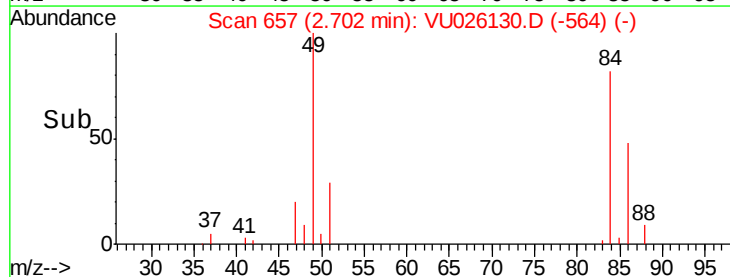
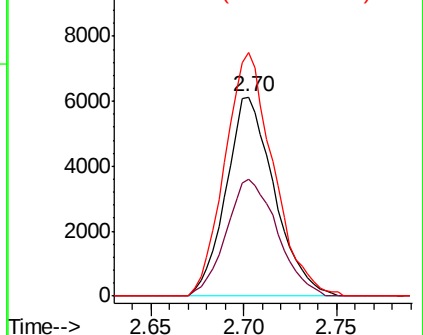
49 122.1 87.7 162.9

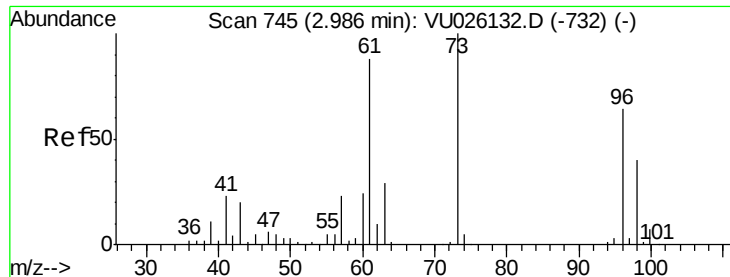


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 4.995 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00560

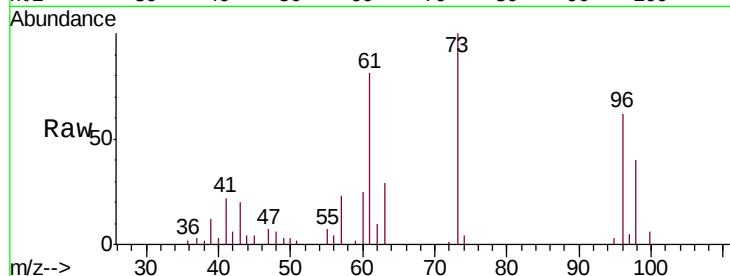
Tgt Ion: 96 Resp: 9361

Ion Ratio Lower Upper

96 100

61 131.6 96.7 179.5

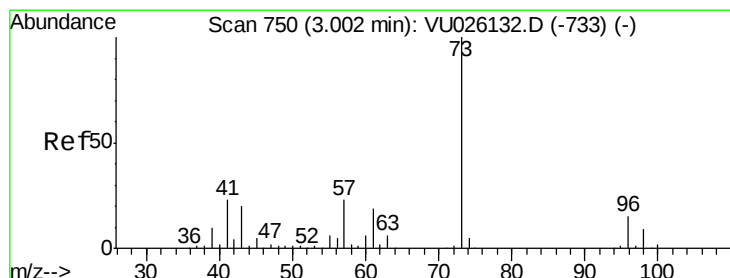
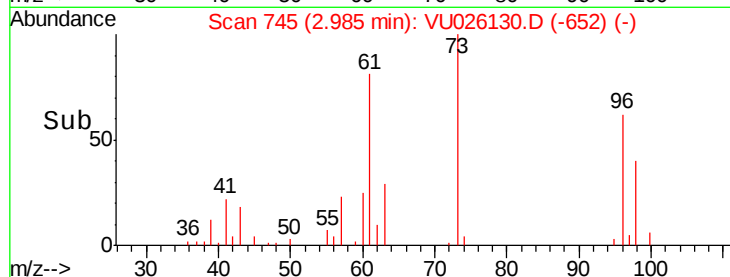
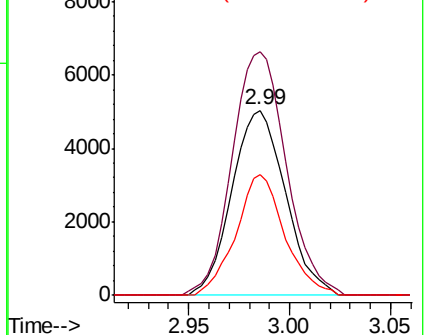
98 65.4 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 4.730 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

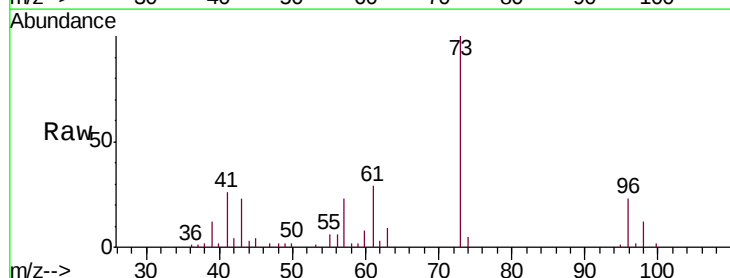
Tgt Ion: 73 Resp: 28136

Ion Ratio Lower Upper

73 100

43 21.6 16.2 24.4

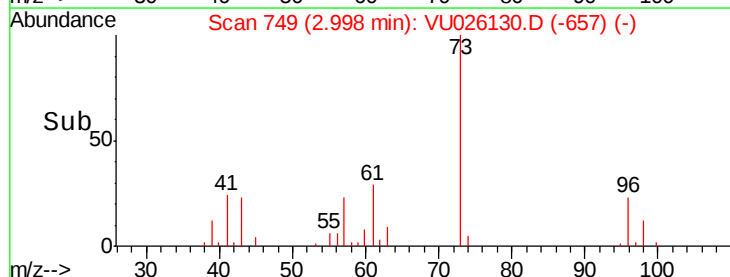
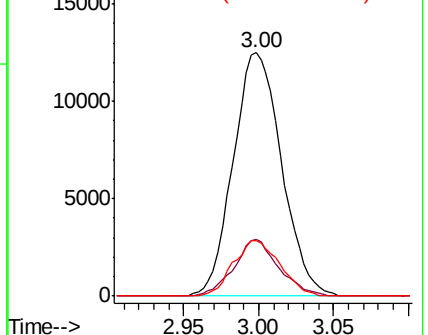
57 22.0 18.2 27.2

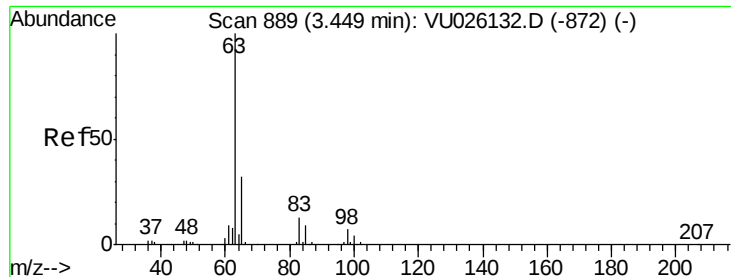


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

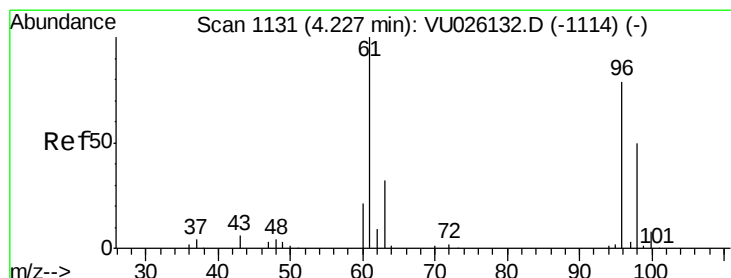
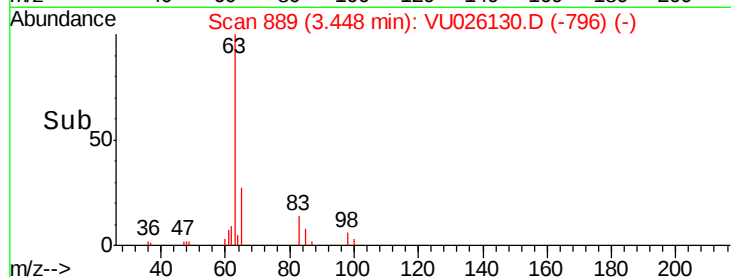
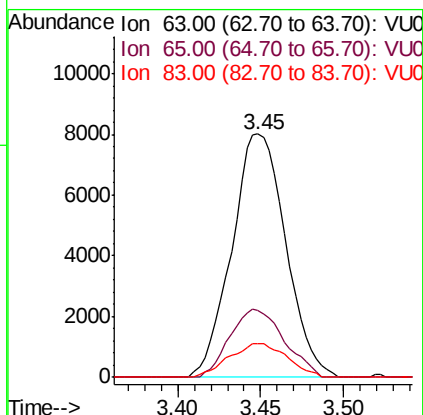
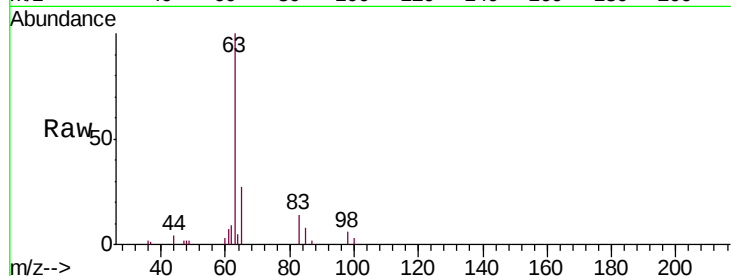




#19
 1,1-Dichloroethane
 Concen: 5.018 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

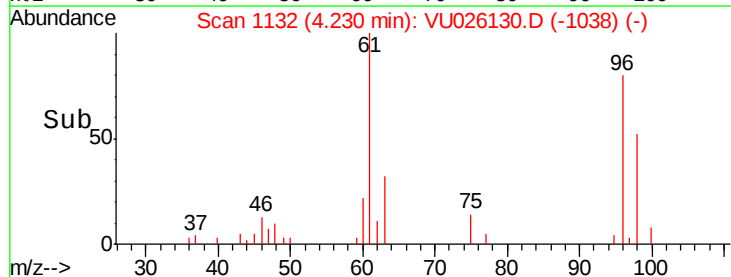
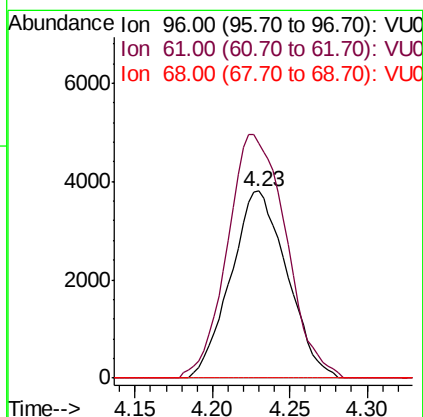
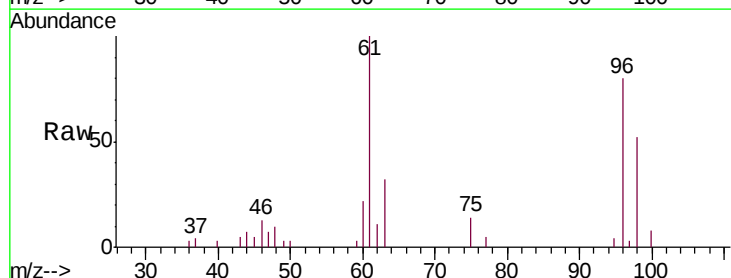
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00560

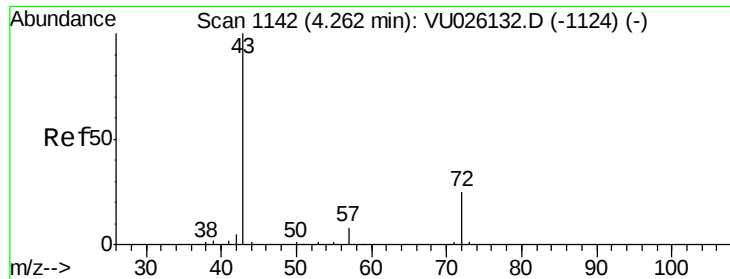
Tgt Ion: 63 Resp: 18106
 Ion Ratio Lower Upper
 63 100
 65 27.5 22.1 41.1
 83 14.0 9.4 17.4



#20
 cis-1,2-Dichloroethene
 Concen: 4.581 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

Tgt Ion: 96 Resp: 9626
 Ion Ratio Lower Upper
 96 100
 61 125.7 88.6 164.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.622 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

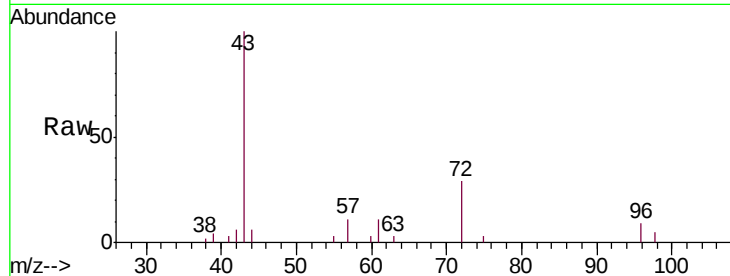
VSTD00560

Tgt Ion: 43 Resp: 14777

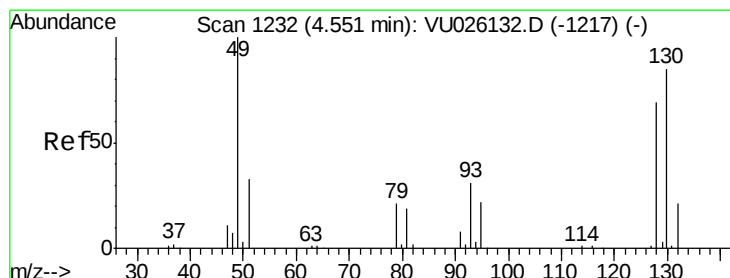
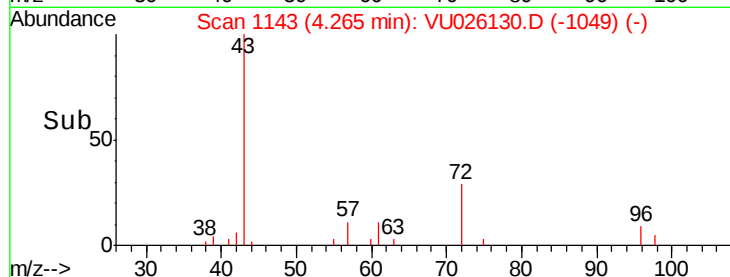
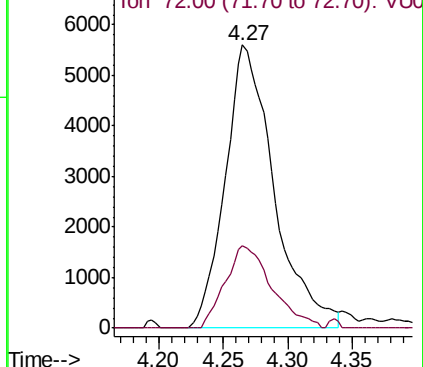
Ion Ratio Lower Upper

43 100

72 27.8 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU026130.D (-1049) (-)



#23

Bromochloromethane

Concen: 4.896 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Tgt Ion: 128 Resp: 5561

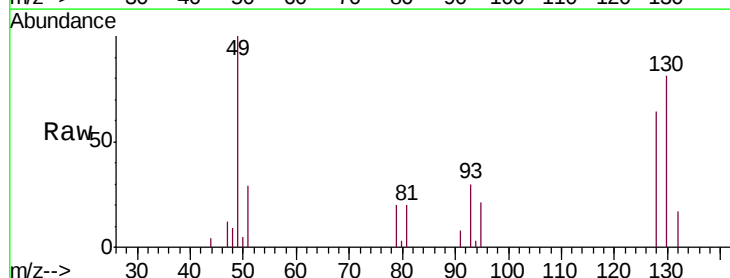
Ion Ratio Lower Upper

128 100

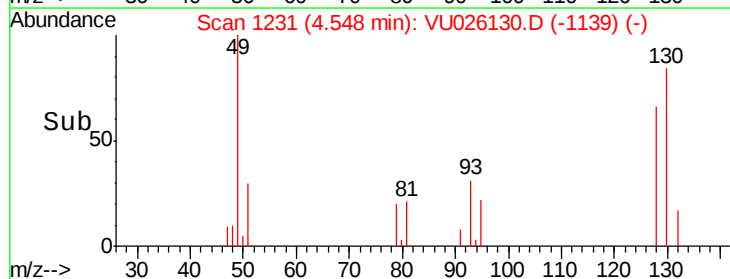
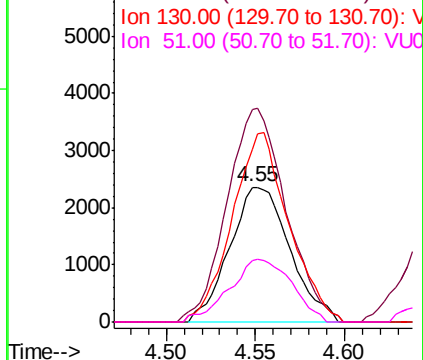
49 157.2 101.3 188.1

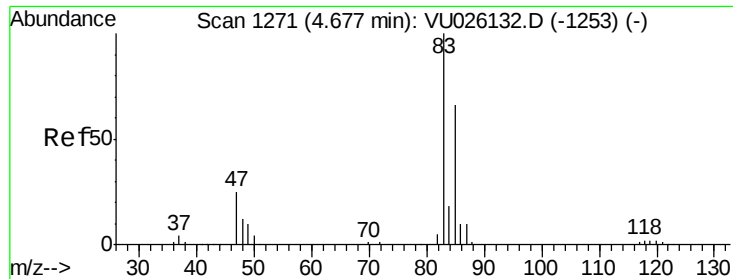
130 127.9 86.4 160.4

51 45.7 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VU026130.D (-1139) (-)

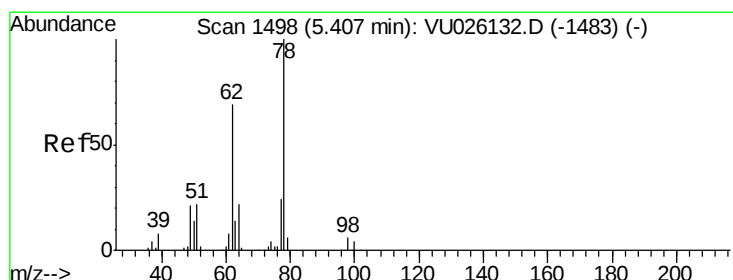
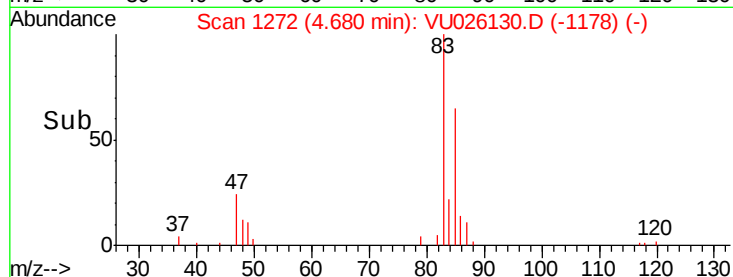
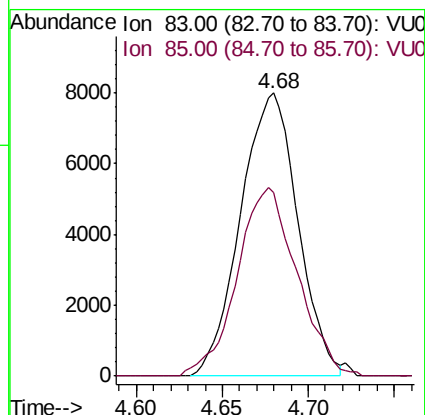
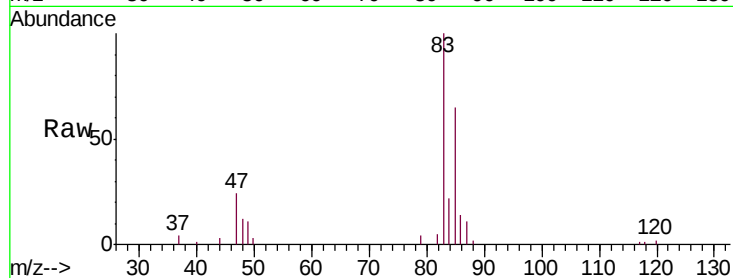




#25
Chloroform
Concen: 4.891 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU026130.D
Acq: 15 Aug 2018 08:00

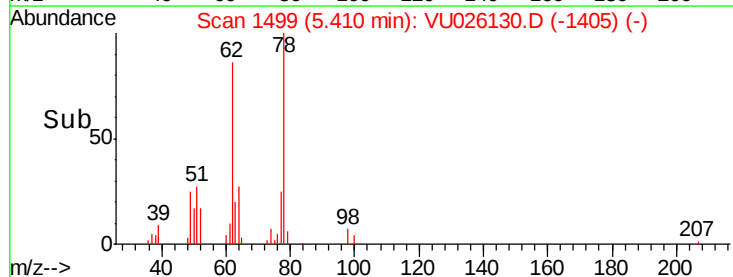
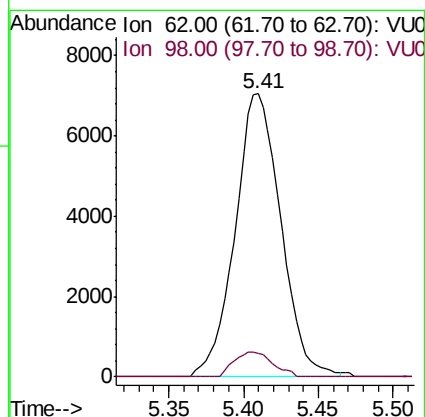
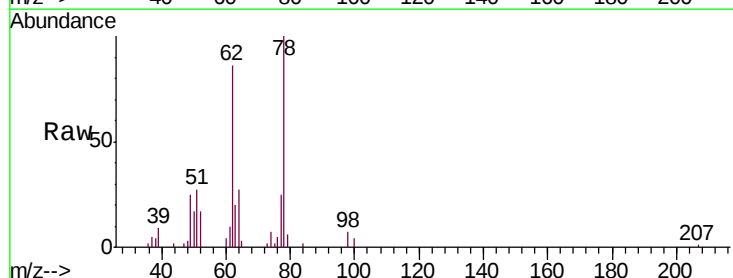
Instrument :
MSVOA_U
ClientSampleId :
VSTD00560

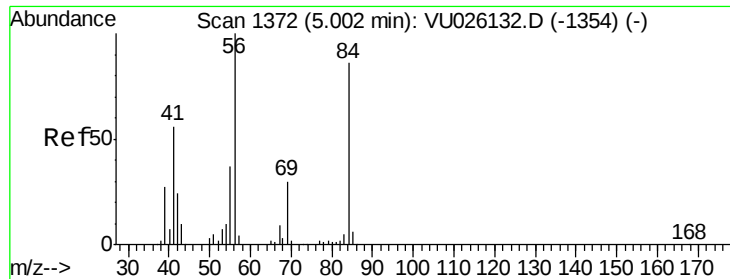
Tgt Ion: 83 Resp: 18526
Ion Ratio Lower Upper
83 100
85 64.9 46.3 86.1



#27
1,2-Dichloroethane
Concen: 4.907 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026130.D
Acq: 15 Aug 2018 08:00

Tgt Ion: 62 Resp: 15027
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4

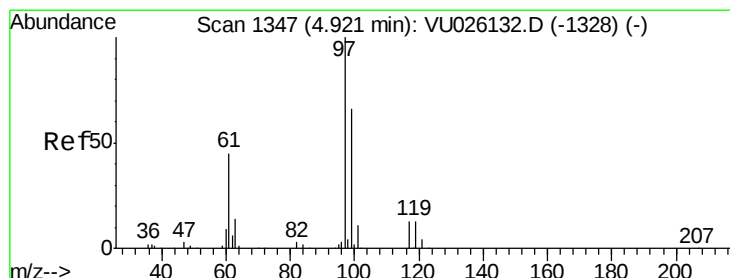
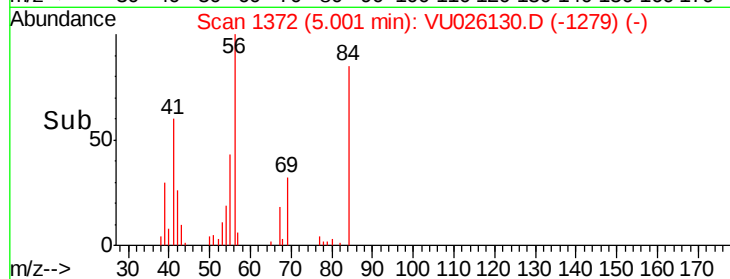
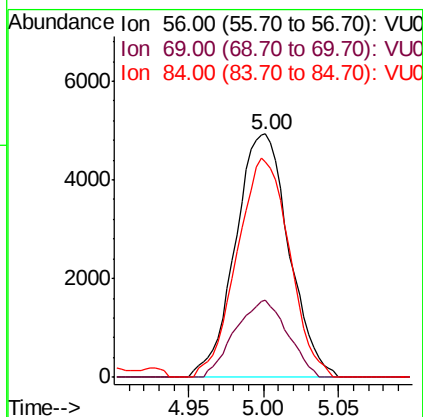
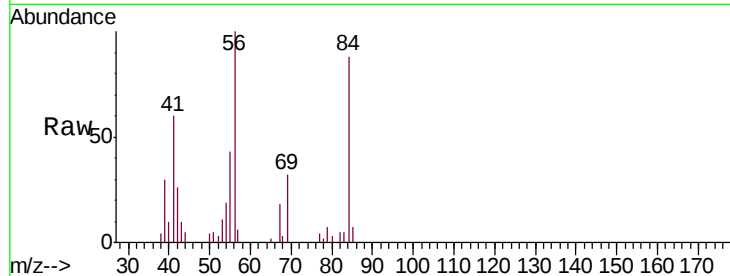




#29
Cyclohexane
Concen: 4.400 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU026130.D
Acq: 15 Aug 2018 08:00

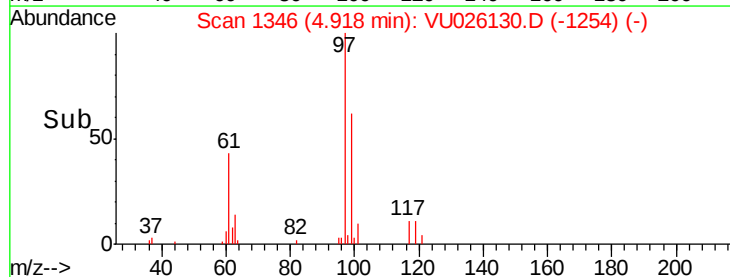
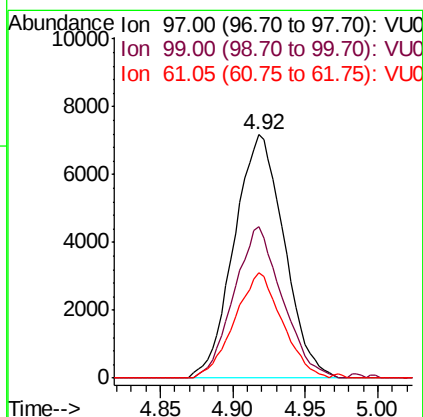
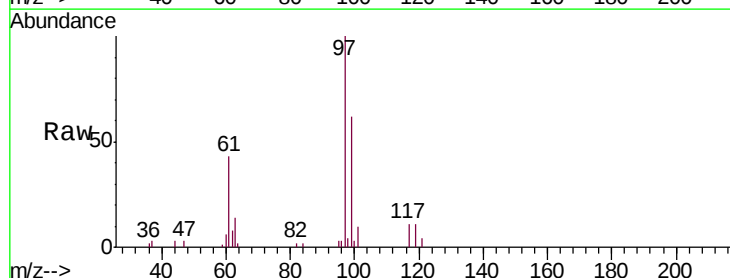
Instrument :
MSVOA_U
ClientSampleId :
VSTD00560

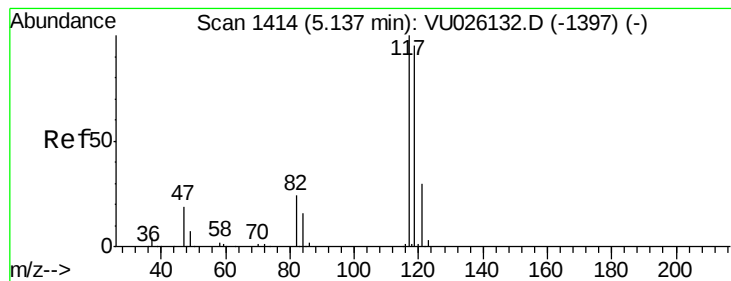
Tgt Ion: 56 Resp: 12267
Ion Ratio Lower Upper
56 100
69 31.0 24.1 36.1
84 88.1 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 5.176 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026130.D
Acq: 15 Aug 2018 08:00

Tgt Ion: 97 Resp: 17254
Ion Ratio Lower Upper
97 100
99 59.9 52.2 78.2
61 41.3 35.4 53.0





#31

Carbon tetrachloride

Concen: 4.869 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

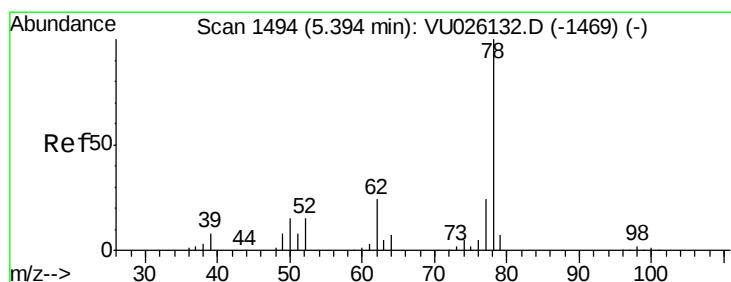
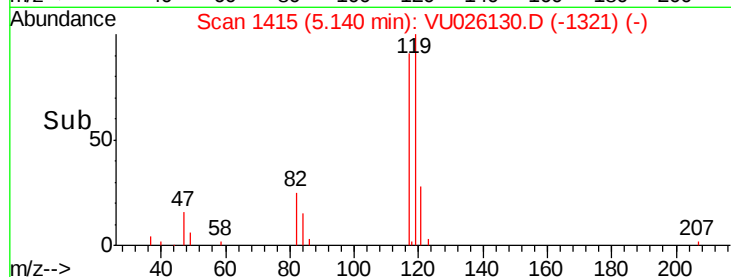
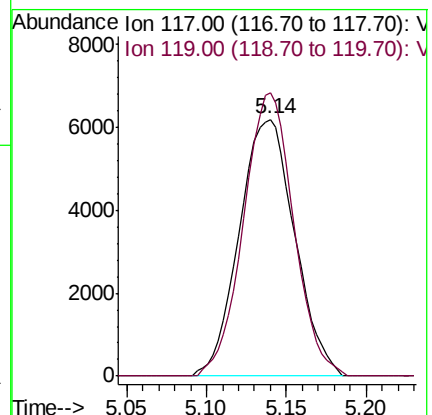
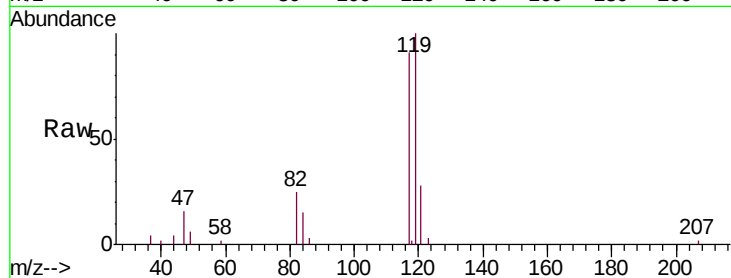
VSTD00560

Tgt Ion:117 Resp: 14706

Ion Ratio Lower Upper

117 100

119 99.8 77.4 116.2



#33

Benzene

Concen: 4.890 ug/L

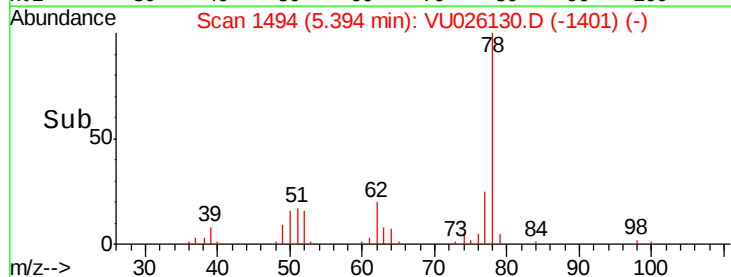
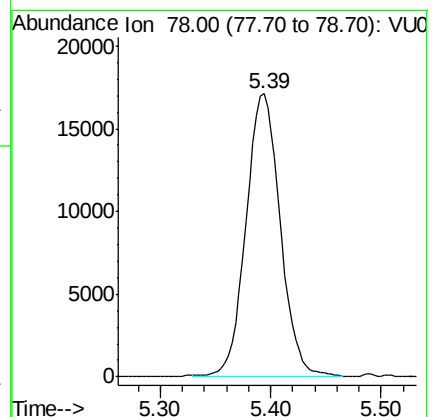
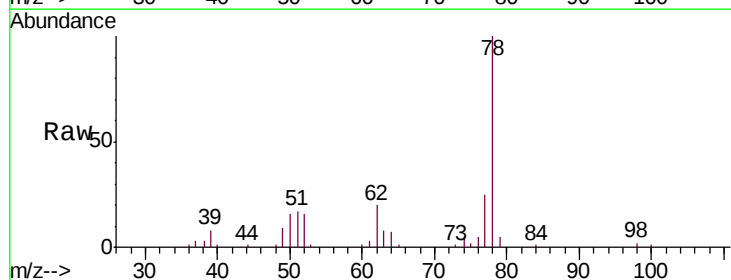
RT: 5.39 min Scan# 1494

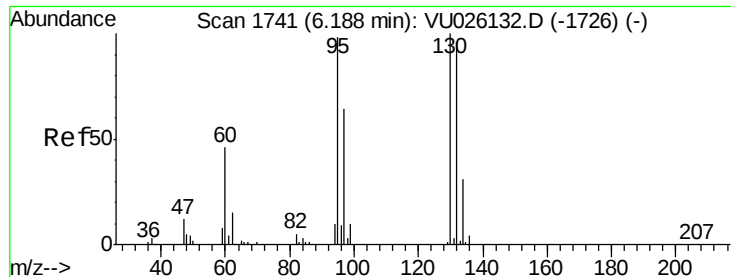
Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Tgt Ion: 78 Resp: 36941

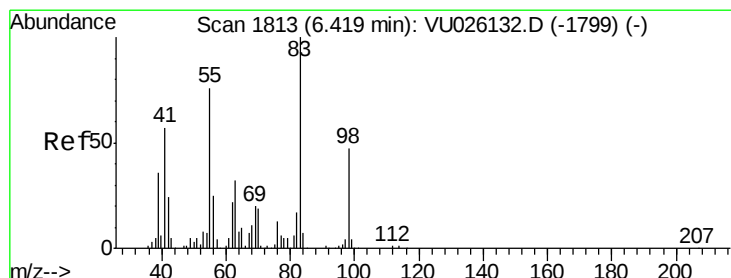
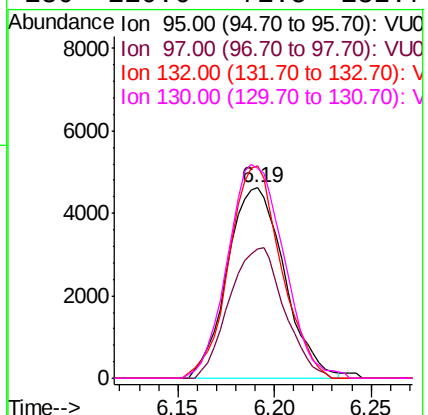
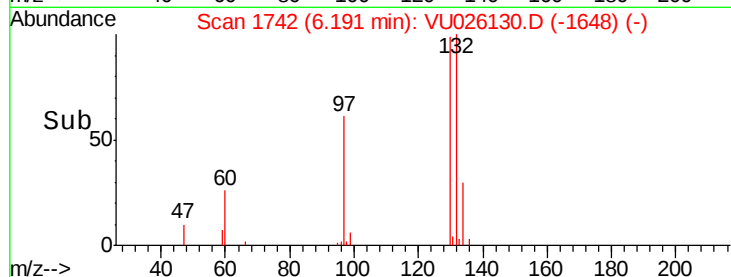
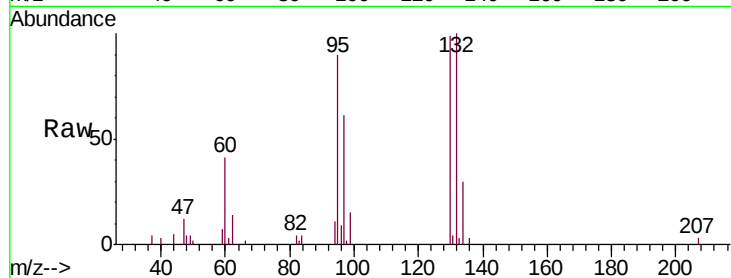




#34
 Trichloroethene
 Concen: 4.807 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

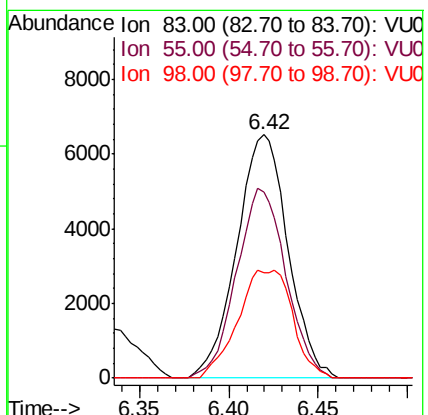
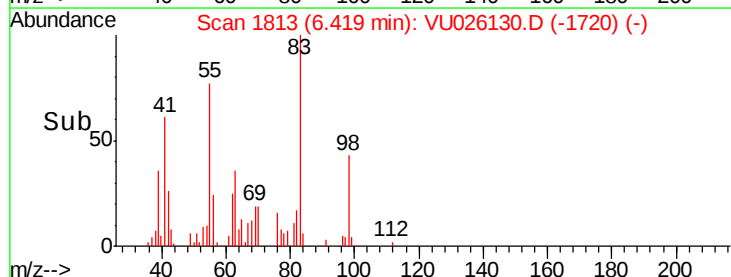
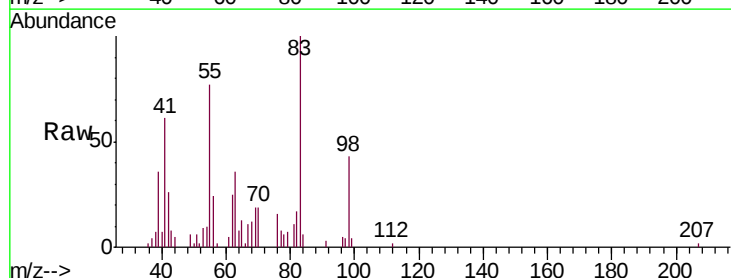
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00560

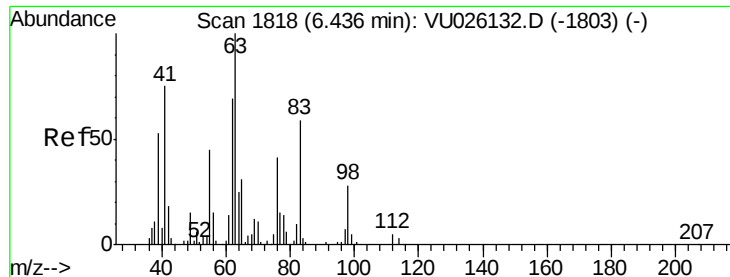
Tgt Ion:	95	Resp:	9461
Ion	Ratio	Lower	Upper
95	100		
97	68.0	45.7	84.9
132	111.6	68.8	127.8
130	110.6	71.5	132.7



#35
 Methylcyclohexane
 Concen: 4.427 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

Tgt Ion:	83	Resp:	13080
Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.0	91.6
98	24.3	37.6	56.4#

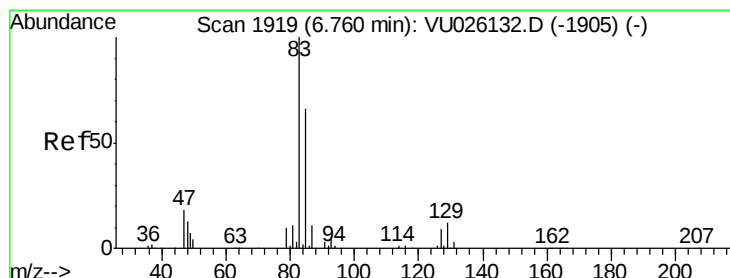
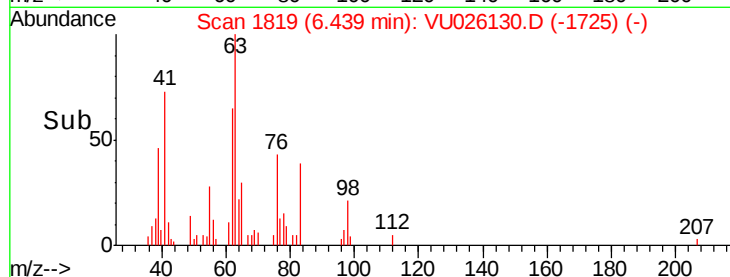
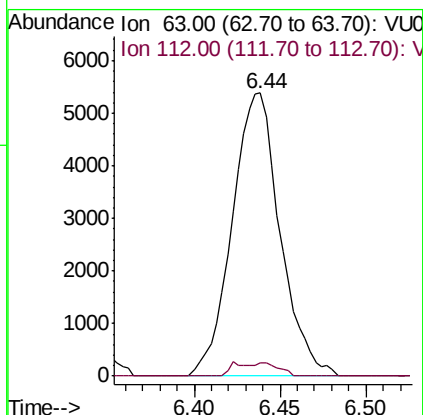
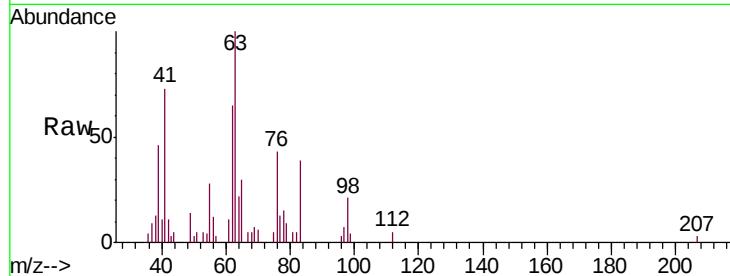




#37
 1,2-Dichloropropane
 Concen: 4.957 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

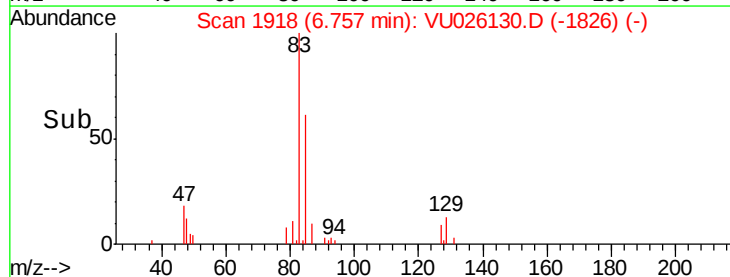
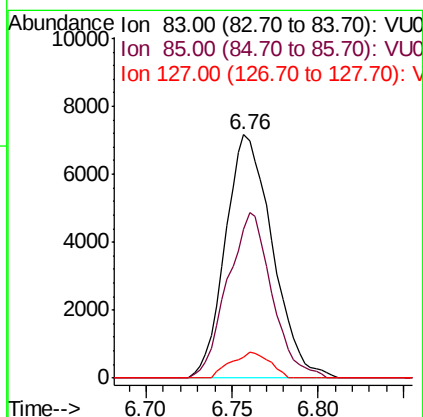
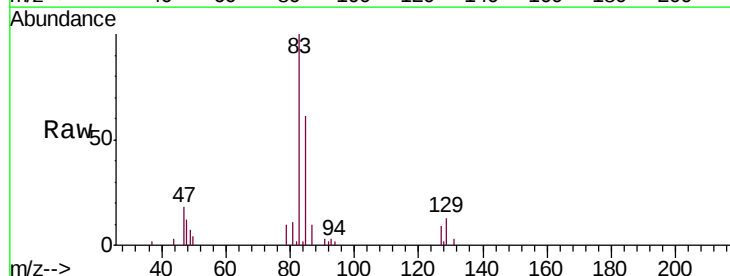
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00560

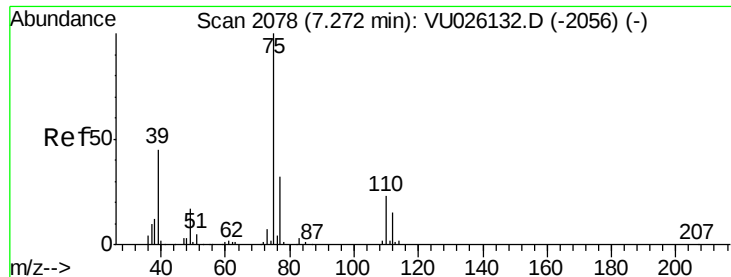
Tgt Ion: 63 Resp: 10459
 Ion Ratio Lower Upper
 63 100
 112 2.4 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 4.880 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

Tgt Ion: 83 Resp: 13632
 Ion Ratio Lower Upper
 83 100
 85 61.1 46.0 85.4
 127 8.8 7.5 11.3

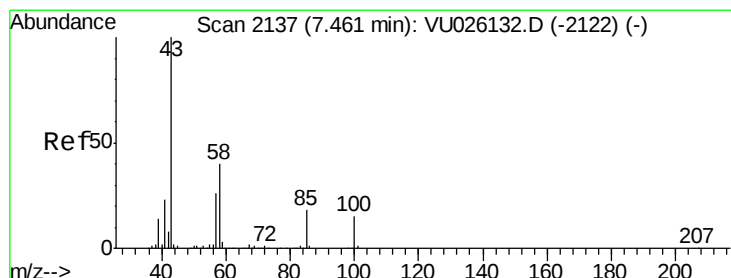
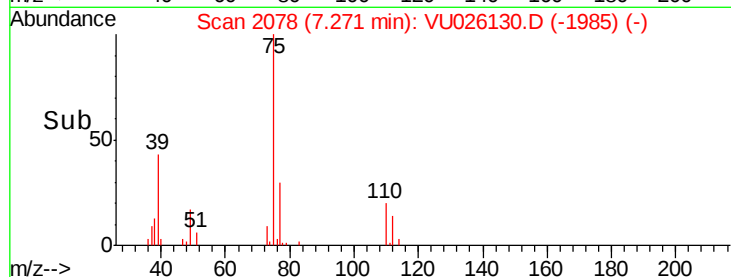
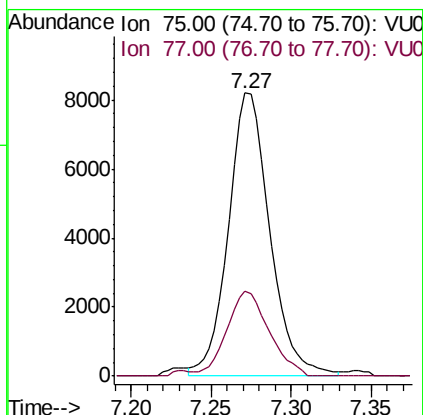
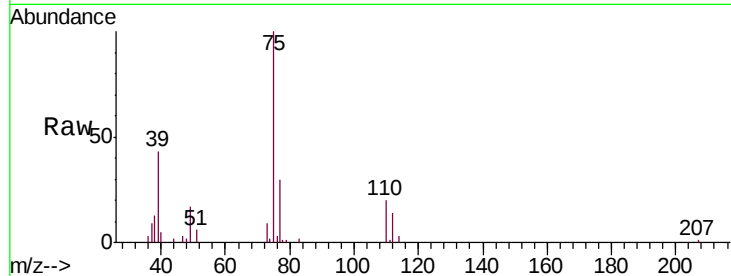




#39
 cis-1,3-Dichloropropene
 Concen: 4.624 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

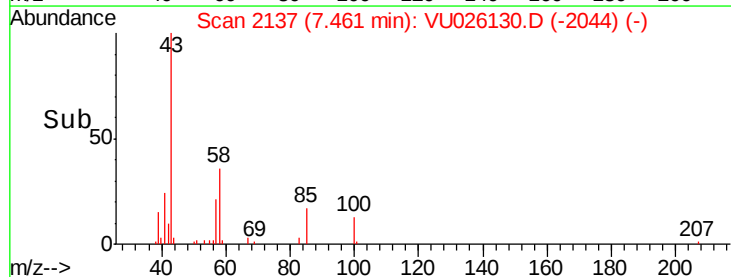
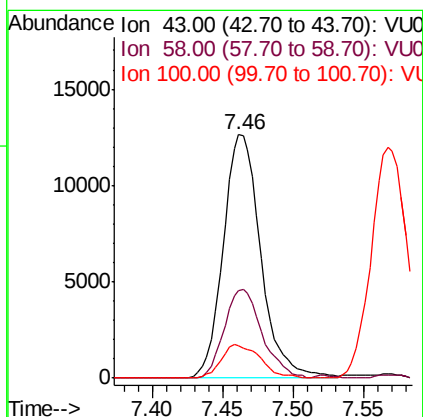
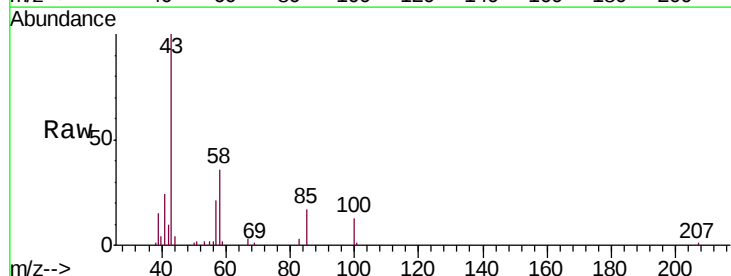
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00560

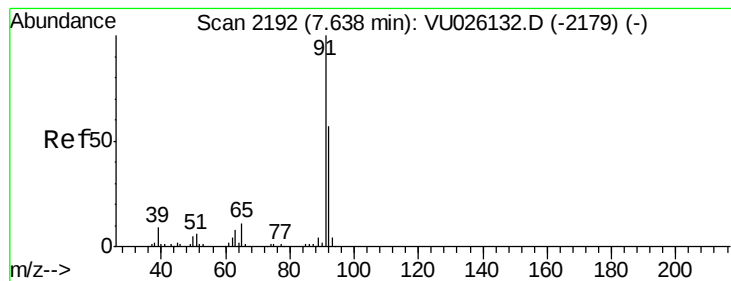
Tgt Ion: 75 Resp: 14483
 Ion Ratio Lower Upper
 75 100
 77 29.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 8.977 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

Tgt Ion: 43 Resp: 23496
 Ion Ratio Lower Upper
 43 100
 58 36.6 31.8 47.8
 100 14.3 12.2 18.2





#42

Toluene

Concen: 4.621 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

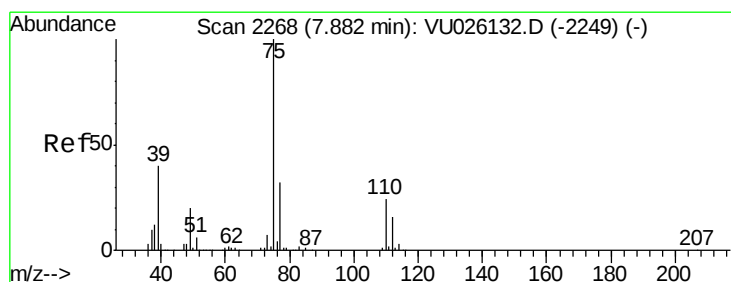
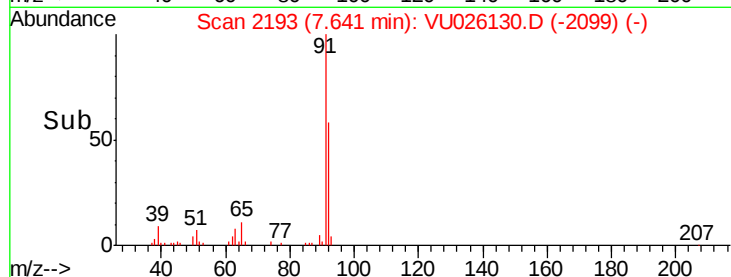
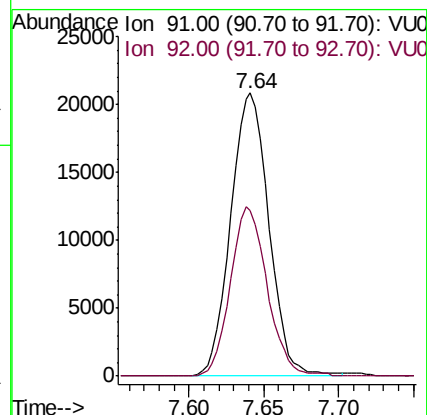
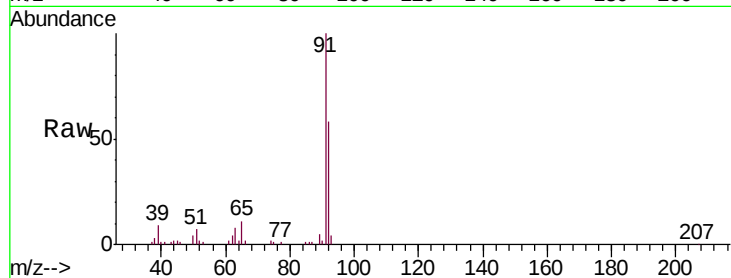
VSTD00560

Tgt Ion: 91 Resp: 37080

Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 4.601 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026130.D

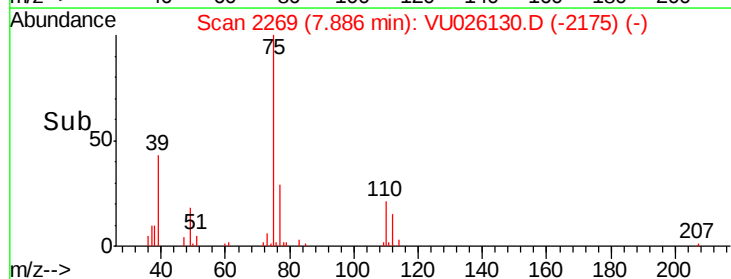
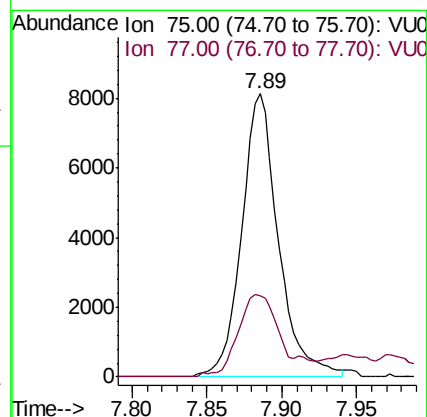
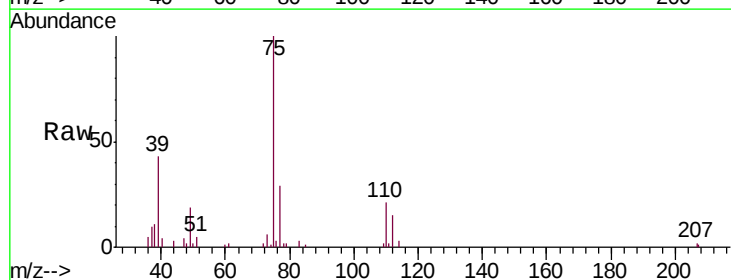
Acq: 15 Aug 2018 08:00

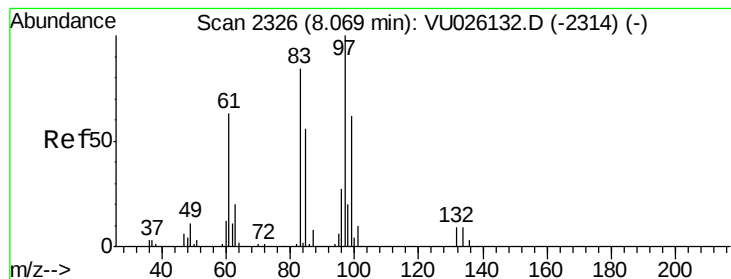
Tgt Ion: 75 Resp: 13887

Ion Ratio Lower Upper

75 100

77 28.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 4.934 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00560

Tgt Ion: 97 Resp: 9871

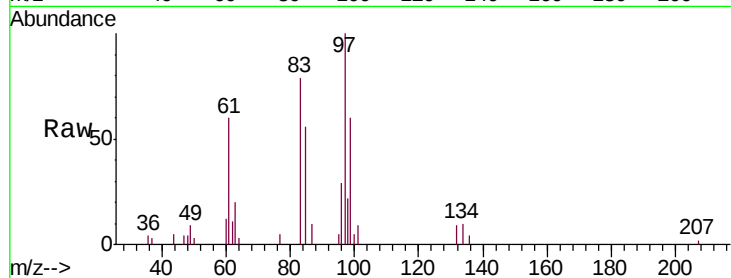
Ion Ratio Lower Upper

97 100

99 59.6 43.3 80.5

83 79.1 58.4 108.6

85 56.4 39.0 72.4

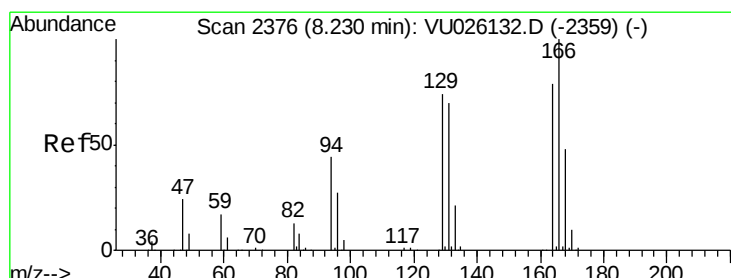
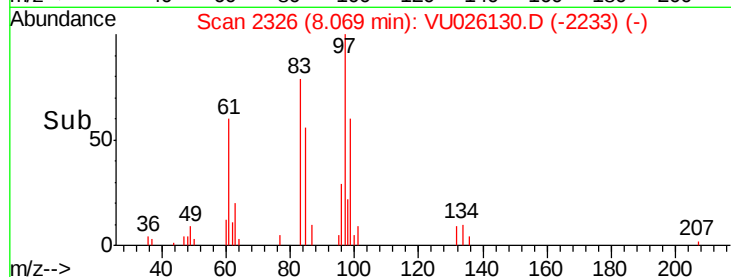
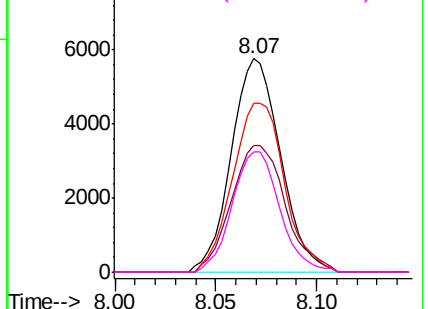


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 4.862 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Tgt Ion: 164 Resp: 8253

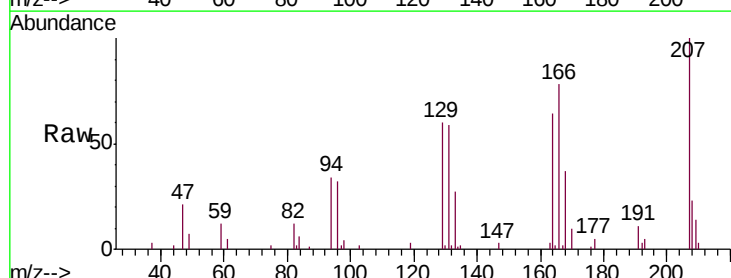
Ion Ratio Lower Upper

164 100

129 94.2 65.7 121.9

131 93.1 62.0 115.2

166 122.3 88.9 165.1

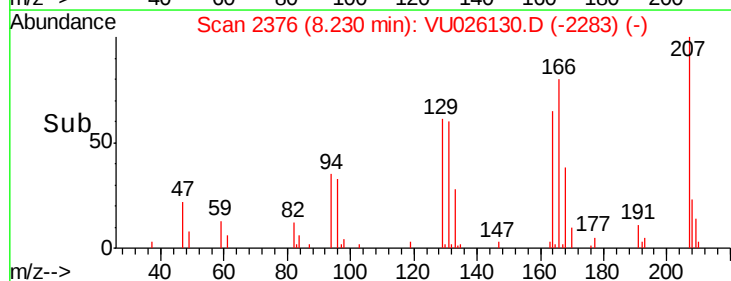
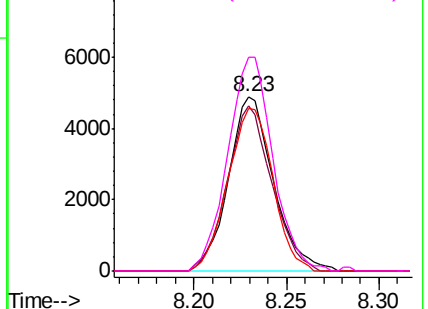


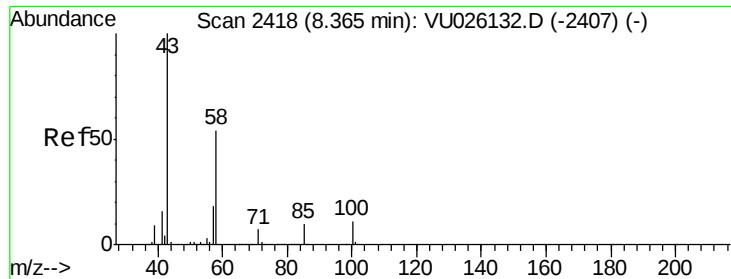
Abundance Ion 164.00 (163.70 to 164.70): V

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

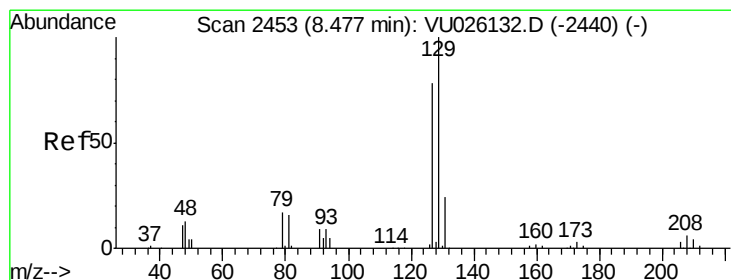
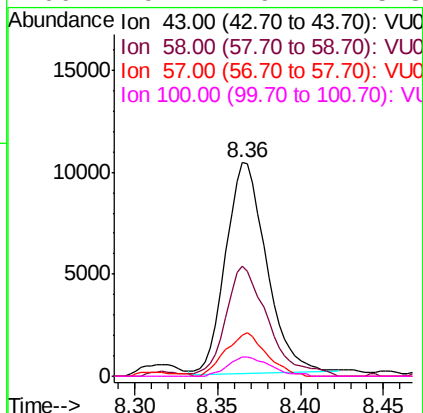
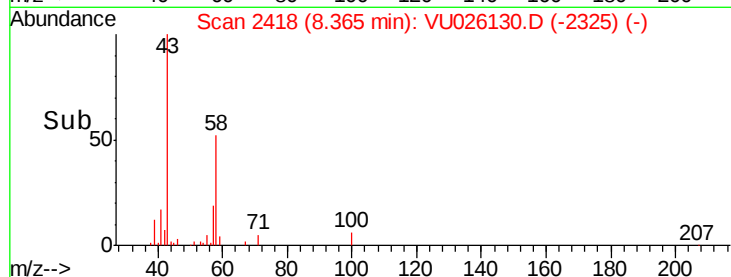
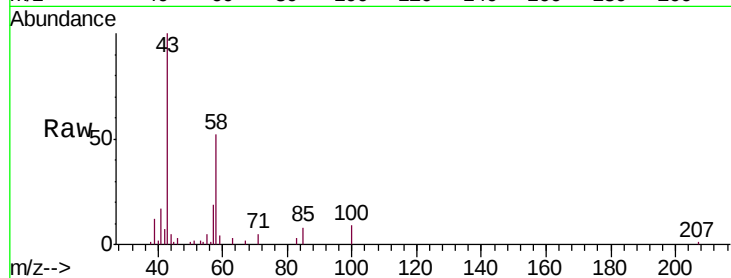




#48
2-Hexanone
Concen: 8.634 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026130.D
Acq: 15 Aug 2018 08:00

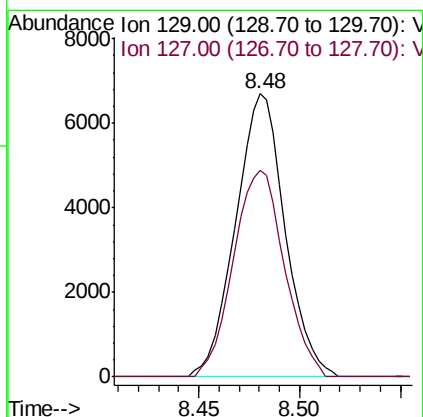
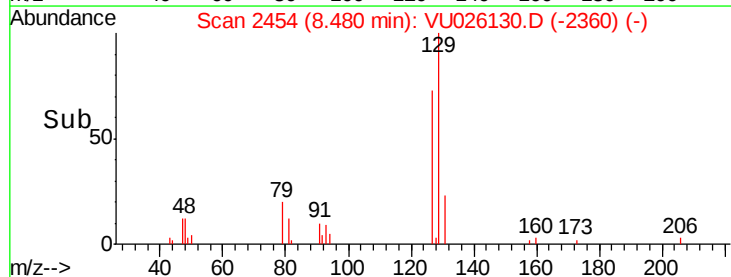
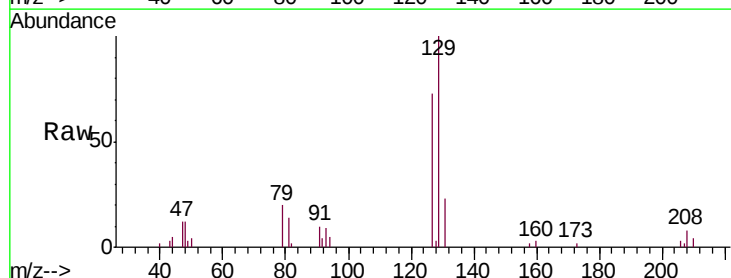
Instrument :
MSVOA_U
ClientSampleId :
VSTD00560

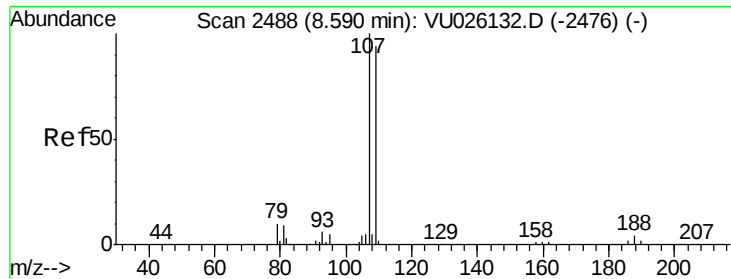
Tgt Ion:	43	Resp:	17706
Ion	Ratio	Lower	Upper
43	100		
58	53.9	42.9	64.3
57	20.5	15.1	22.7
100	9.4	9.2	13.8



#49
Dibromochloromethane
Concen: 4.767 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026130.D
Acq: 15 Aug 2018 08:00

Tgt Ion:	129	Resp:	11485
Ion	Ratio	Lower	Upper
129	100		
127	72.8	54.6	101.4

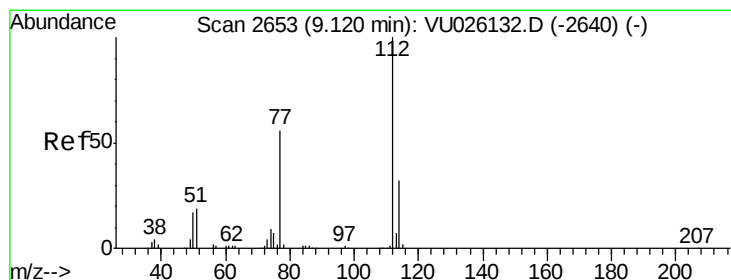
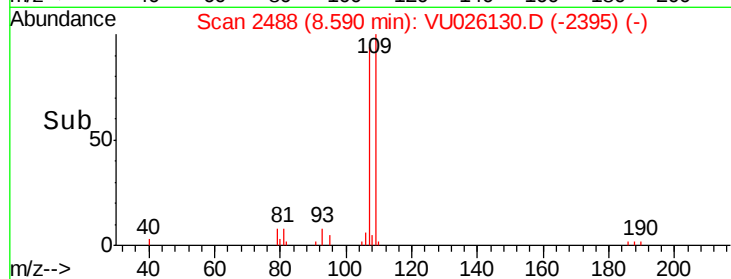
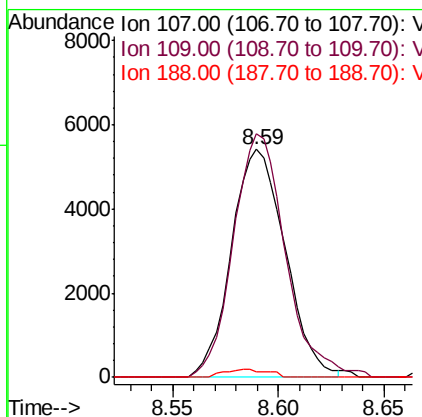
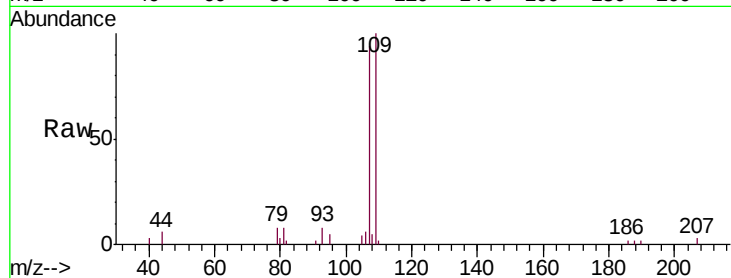




#50
 1,2-Dibromoethane
 Concen: 4.633 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

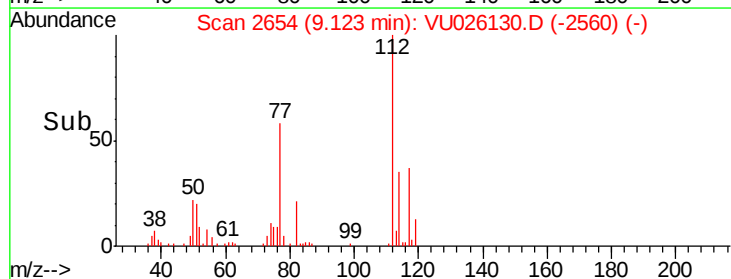
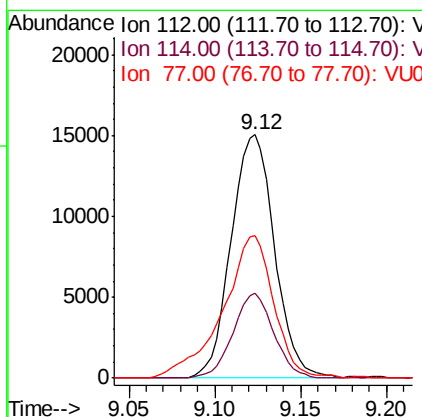
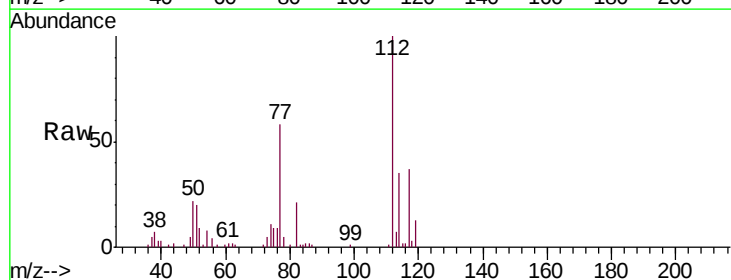
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00560

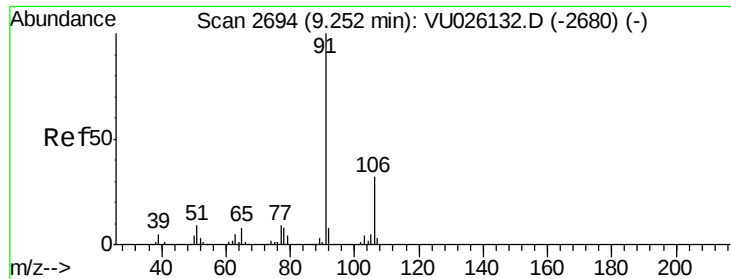
Tgt Ion:107 Resp: 9624
 Ion Ratio Lower Upper
 107 100
 109 106.9 66.1 122.7
 188 2.6 3.2 4.8#



#51
 Chlorobenzene
 Concen: 4.811 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

Tgt Ion:112 Resp: 26381
 Ion Ratio Lower Upper
 112 100
 114 34.7 22.5 41.9
 77 58.3 45.0 67.4





#52

Ethylbenzene

Concen: 4.373 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

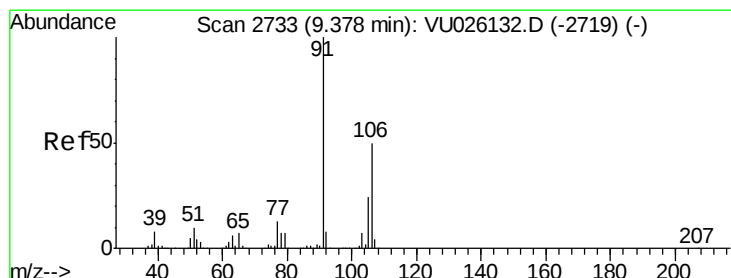
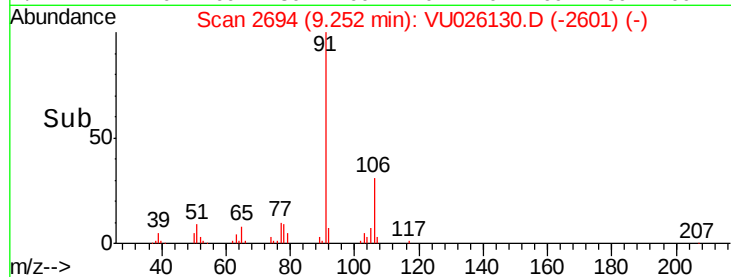
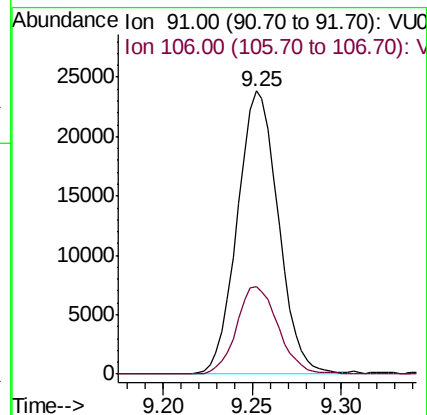
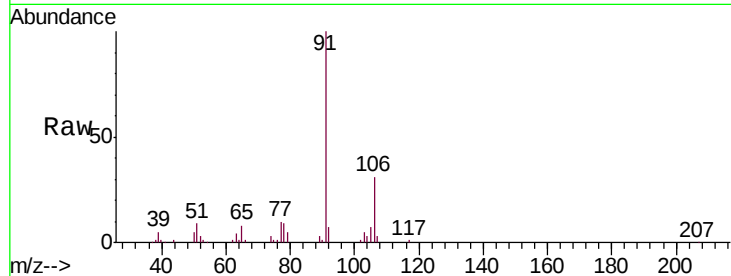
VSTD00560

Tgt Ion: 91 Resp: 38222

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.5



#53

m,p-Xylene

Concen: 4.181 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026130.D

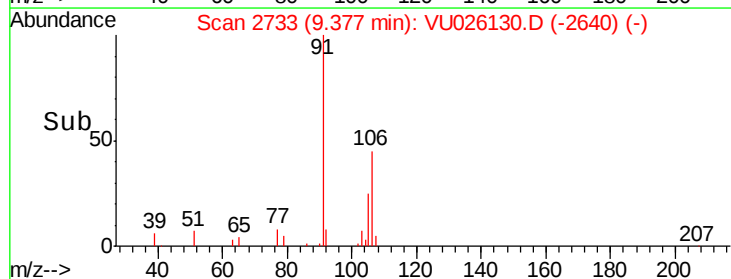
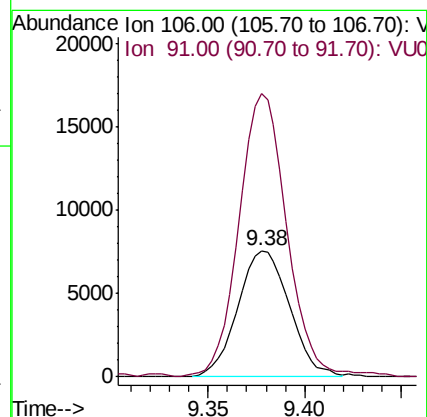
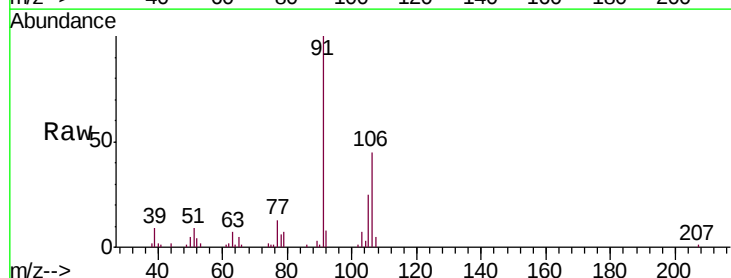
Acq: 15 Aug 2018 08:00

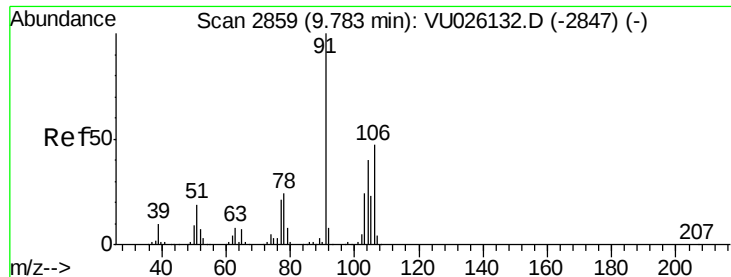
Tgt Ion: 106 Resp: 14083

Ion Ratio Lower Upper

106 100

91 224.5 139.2 258.4





#54

o-xylene

Concen: 4.287 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

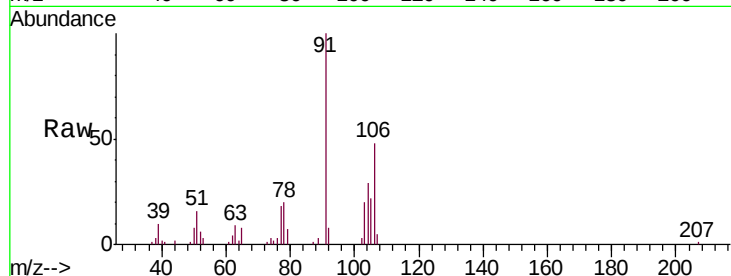
VSTD00560

Tgt Ion:106 Resp: 14408

Ion Ratio Lower Upper

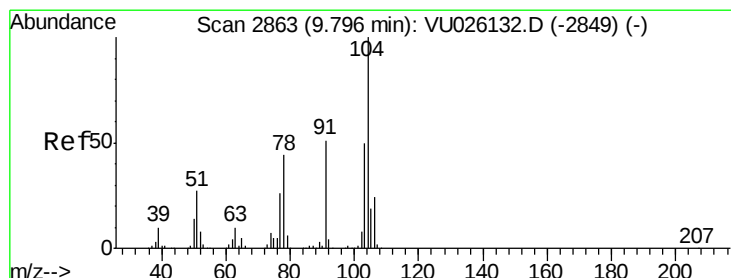
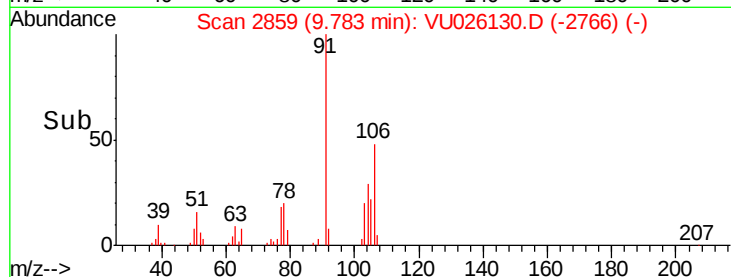
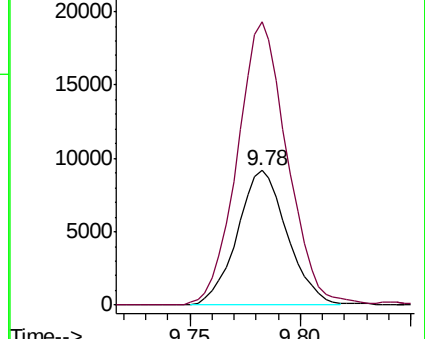
106 100

91 210.2 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 3.868 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026130.D

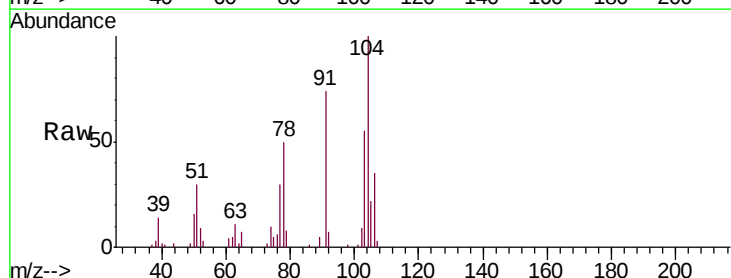
Acq: 15 Aug 2018 08:00

Tgt Ion:104 Resp: 21643

Ion Ratio Lower Upper

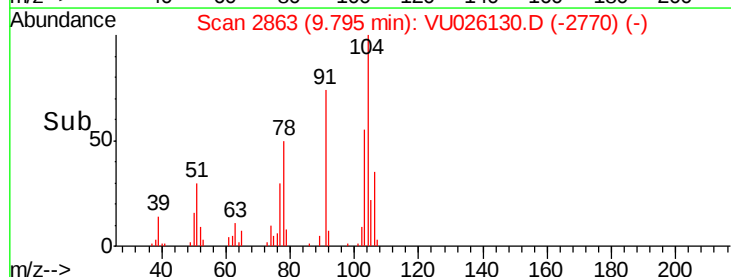
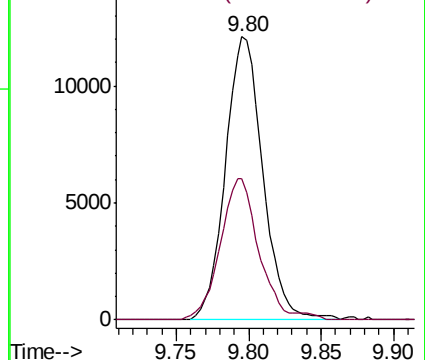
104 100

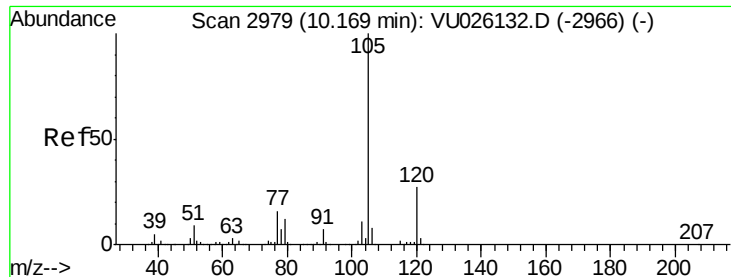
78 50.1 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 4.071 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00560

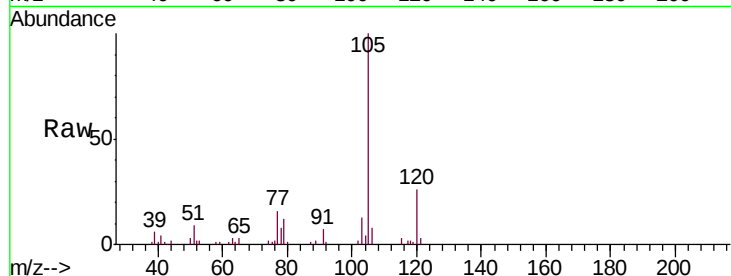
Tgt Ion:105 Resp: 35127

Ion Ratio Lower Upper

105 100

120 25.3 21.5 32.3

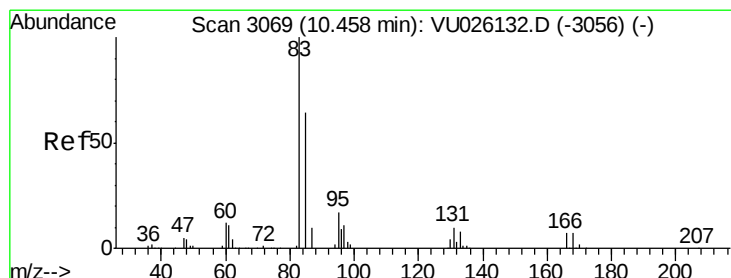
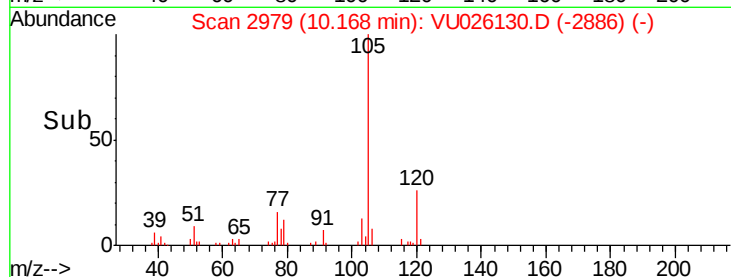
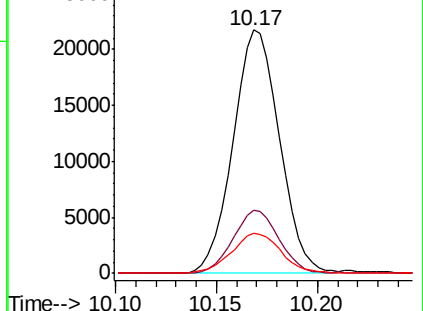
77 17.4 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.843 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

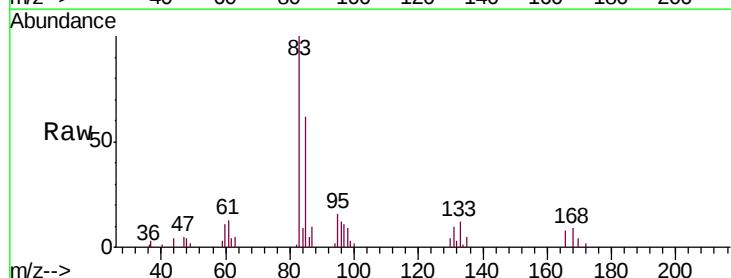
Tgt Ion: 83 Resp: 16179

Ion Ratio Lower Upper

83 100

85 62.0 45.0 83.6

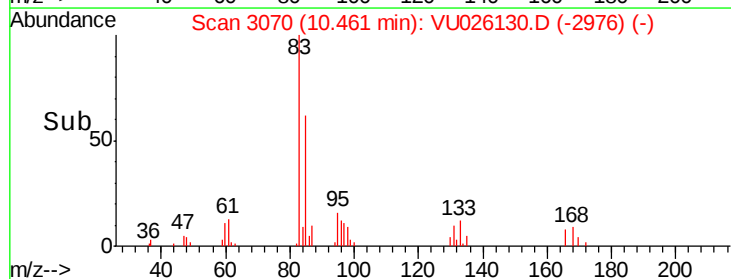
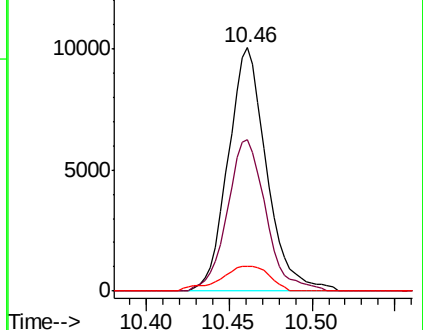
131 10.3 8.4 12.6

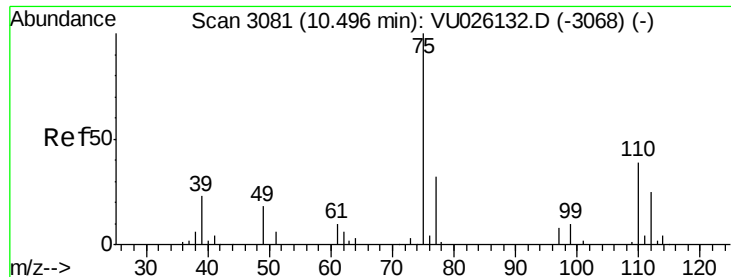


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

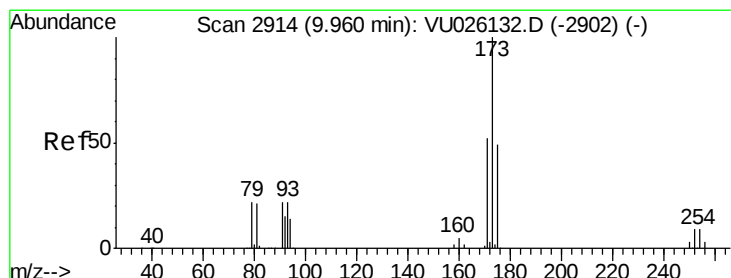
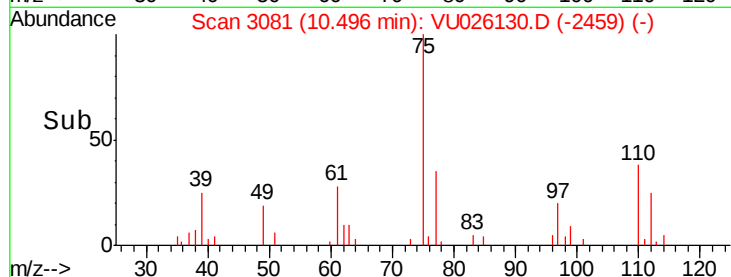
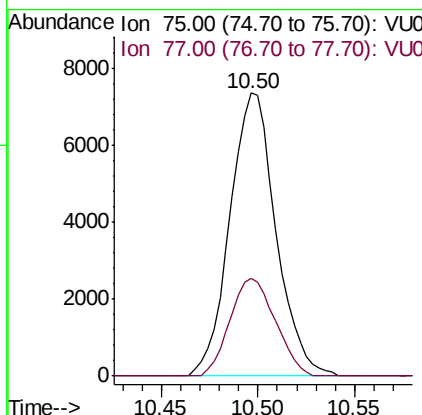
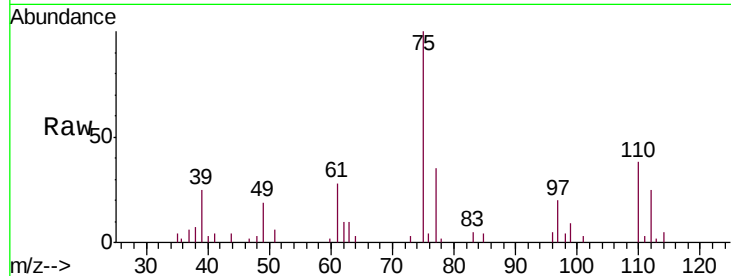




#59
 1,2,3-Trichloropropane
 Concen: 4.699 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

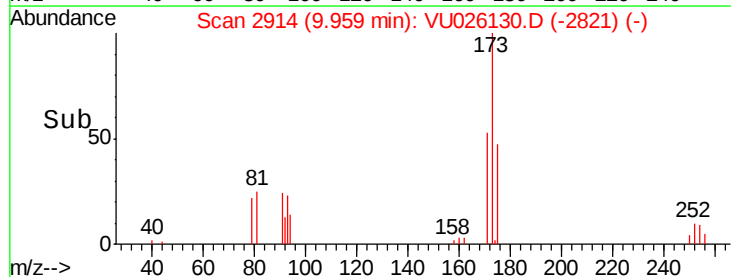
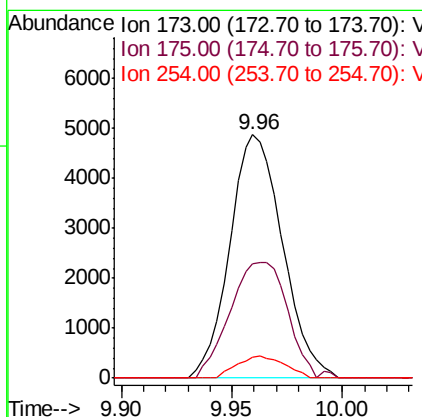
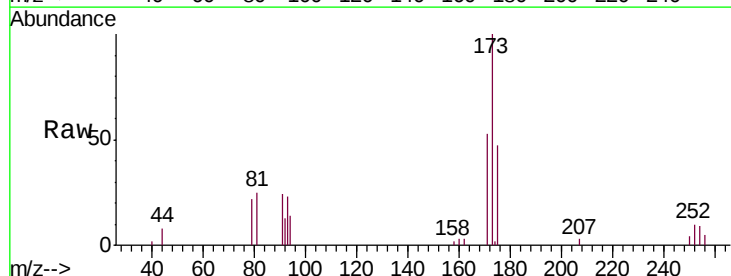
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00560

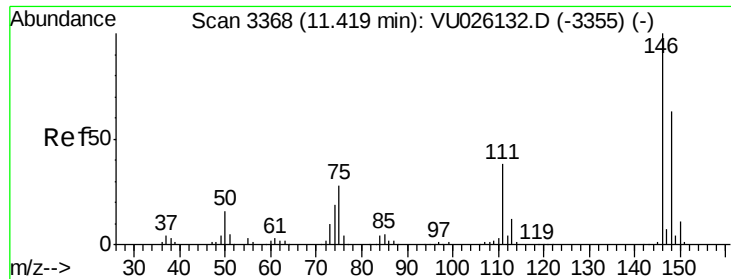
Tgt Ion: 75 Resp: 12215
 Ion Ratio Lower Upper
 75 100
 77 33.9 26.1 39.1



#61
 Bromoform
 Concen: 5.062 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

Tgt Ion: 173 Resp: 8111
 Ion Ratio Lower Upper
 173 100
 175 51.3 38.8 58.2
 254 8.2 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 4.794 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00560

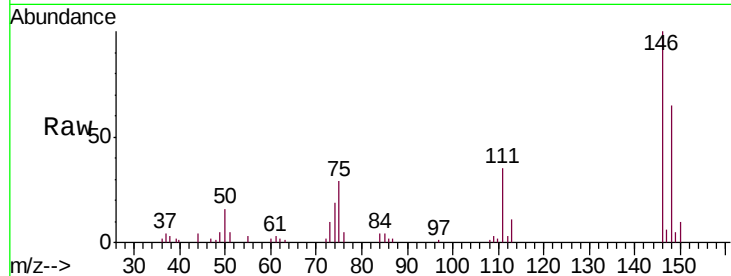
Tgt Ion:146 Resp: 17608

Ion Ratio Lower Upper

146 100

111 34.6 26.7 49.7

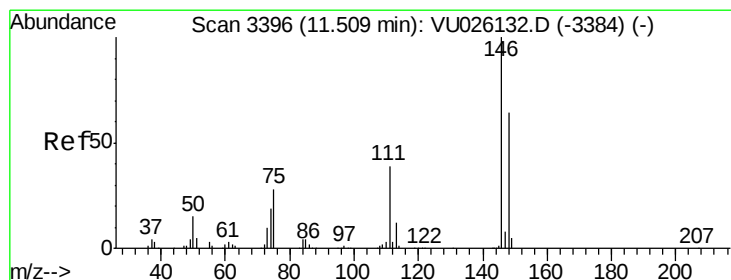
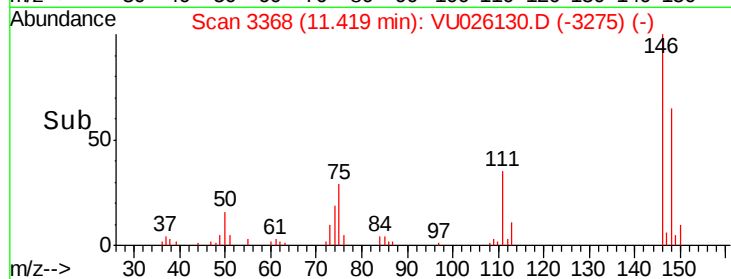
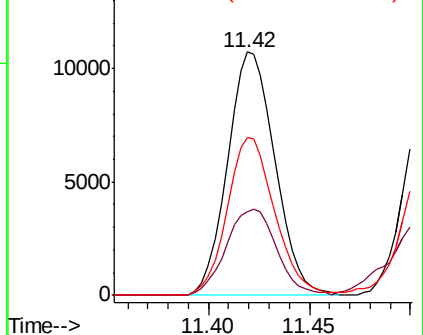
148 65.0 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.110 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

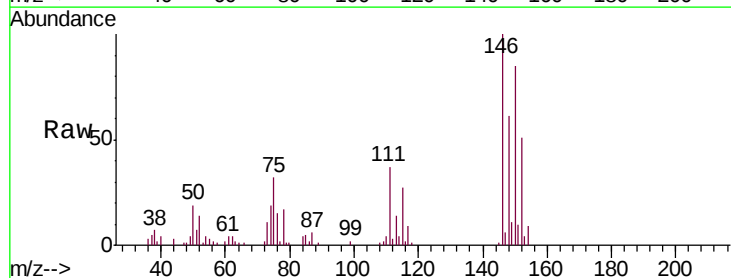
Tgt Ion:146 Resp: 19354

Ion Ratio Lower Upper

146 100

111 37.1 27.5 51.1

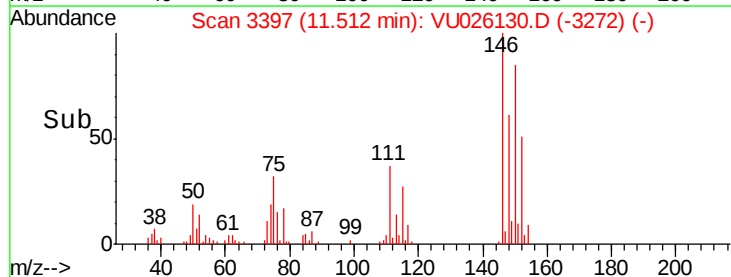
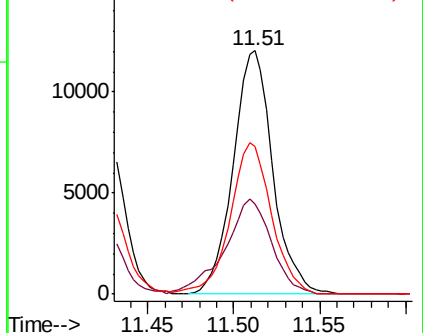
148 60.5 44.8 83.2

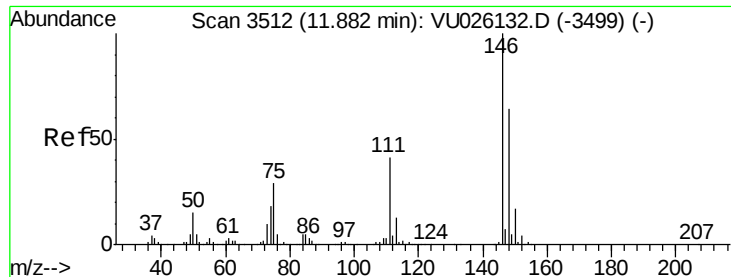


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.932 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00560

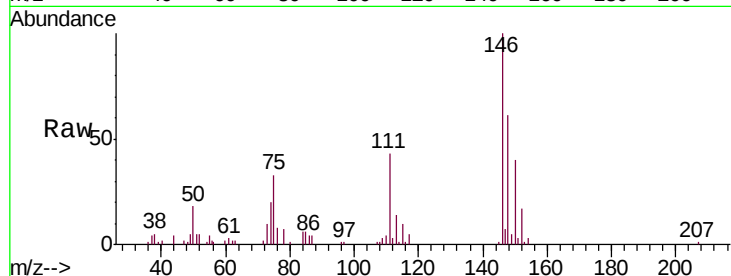
Tgt Ion:146 Resp: 19359

Ion Ratio Lower Upper

146 100

111 42.9 32.7 49.1

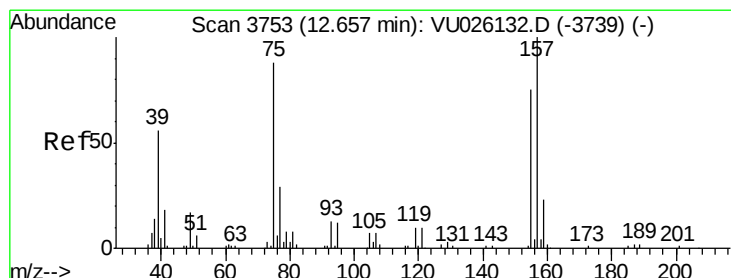
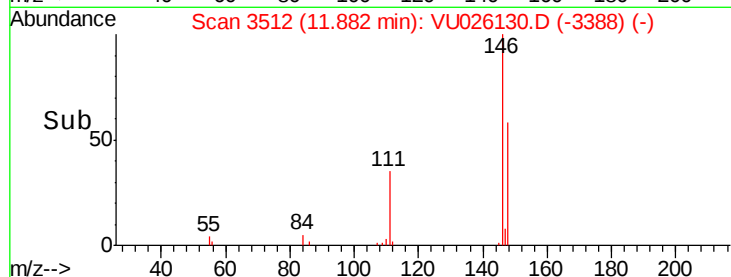
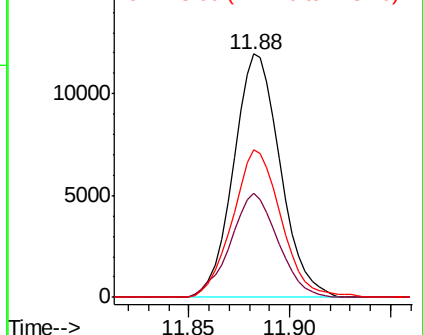
148 60.6 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.036 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

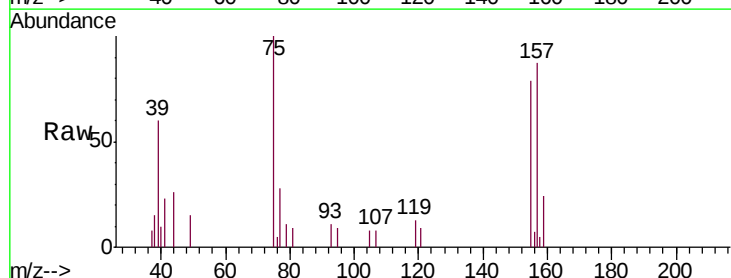
Tgt Ion: 75 Resp: 3134

Ion Ratio Lower Upper

75 100

155 78.7 68.2 102.2

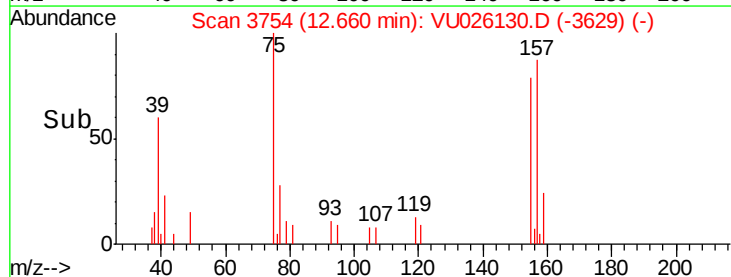
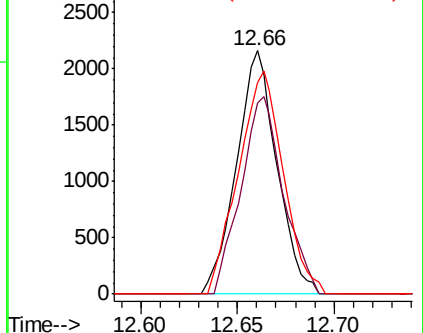
157 86.9 90.5 135.7#

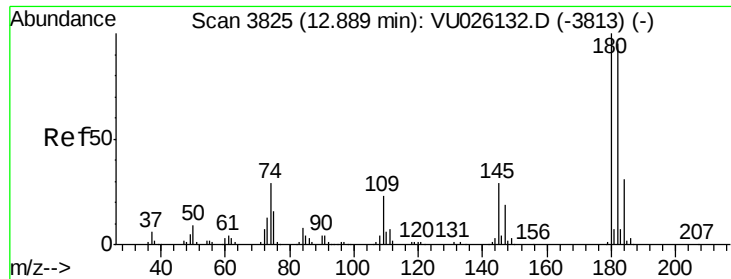


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

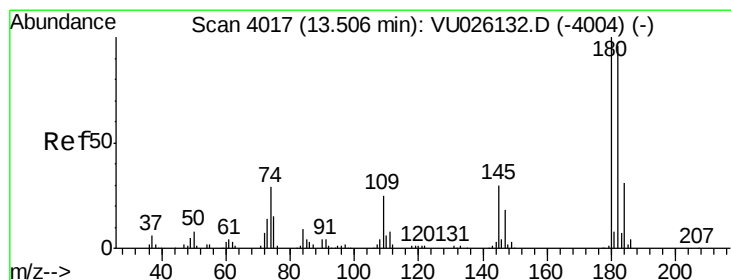
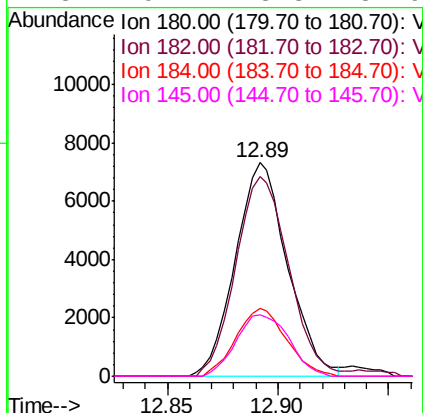
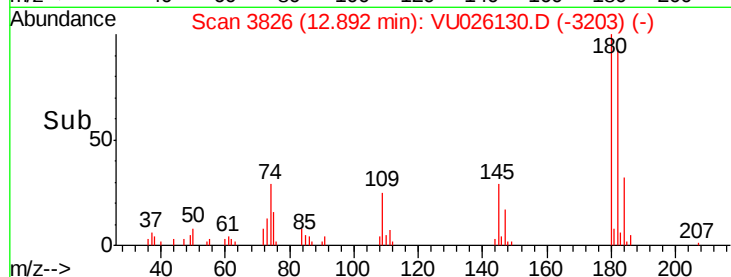
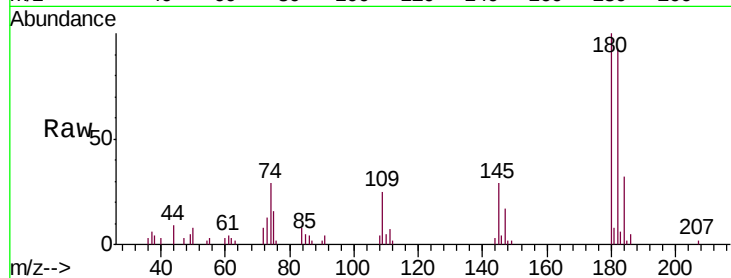




#67
 1,3,5-Trichlorobenzene
 Concen: 4.426 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

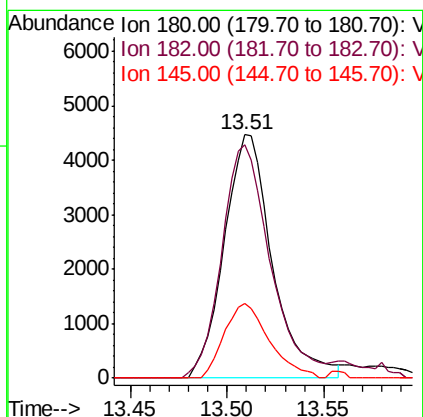
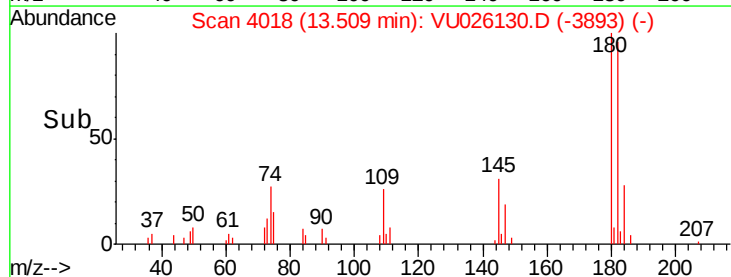
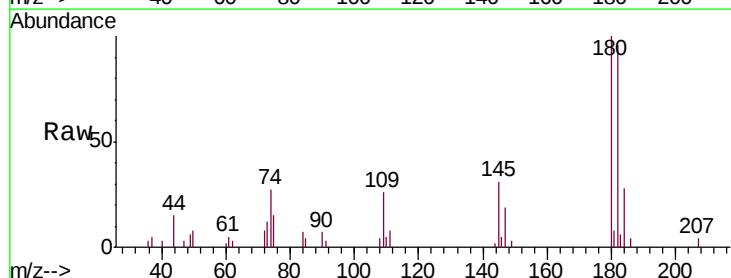
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00560

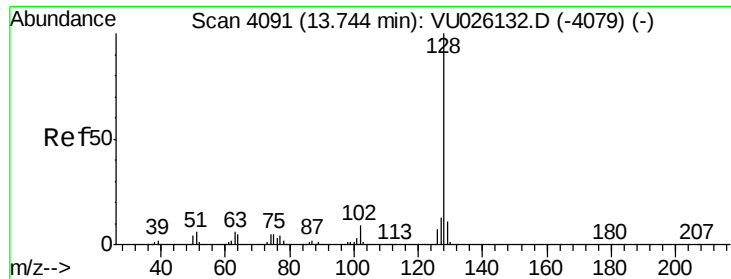
Tgt Ion:	180	Resp:	12005
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.6	113.4
184	30.8	24.3	36.5
145	29.1	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 3.774 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026130.D
 Acq: 15 Aug 2018 08:00

Tgt Ion:	180	Resp:	7755
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.8	115.2
145	28.7	23.8	35.6





#69

Naphthalene

Concen: 2.978 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00560

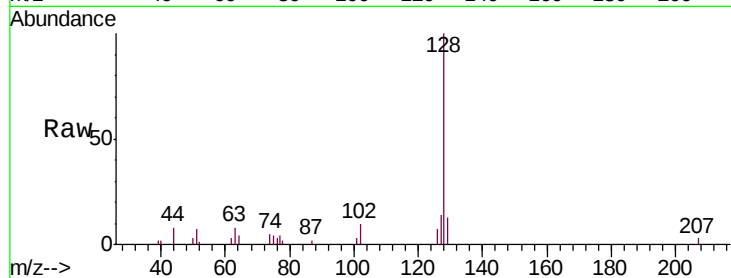
Tgt Ion:128 Resp: 17417

Ion Ratio Lower Upper

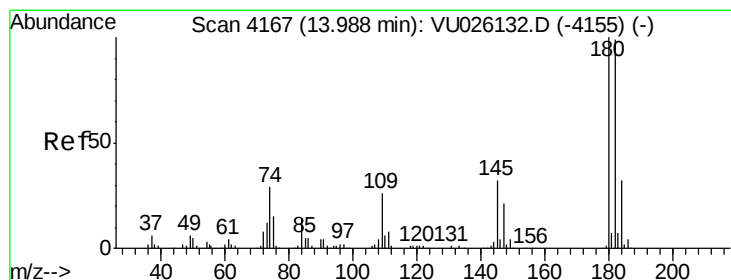
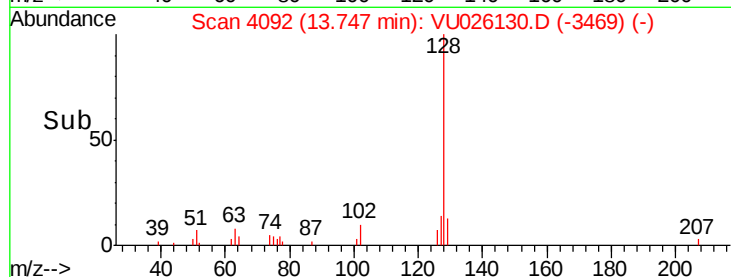
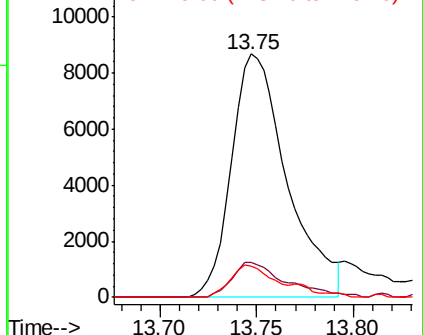
128 100

127 12.7 10.3 15.5

129 9.8 8.6 13.0



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: 3.875 ug/L

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU026130.D

Acq: 15 Aug 2018 08:00

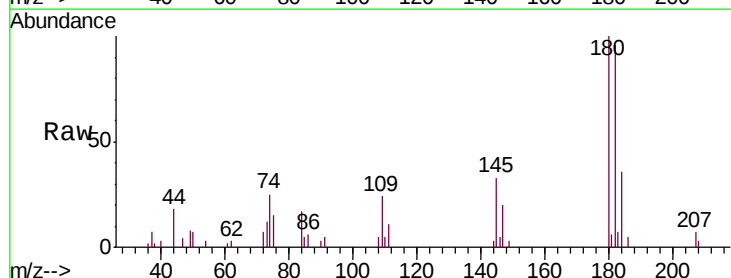
Tgt Ion:180 Resp: 8539

Ion Ratio Lower Upper

180 100

182 94.9 77.1 115.7

145 29.3 25.1 37.7



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

