

Data File : VU027124.D
Acq On : 25 Sep 2018 11:10
Operator : MD/SY
Sample : VSTDIC010
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Quant Time: Sep 26 01:43:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 01:42:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	170628	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164455	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	67473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	15467	10.19	ug/L	0.00
7) Chloroethane-d5	1.68	69	12366	10.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	29344	10.16	ug/L	0.00
21) 2-Butanone-d5	4.18	46	23108	18.72	ug/L	0.00
24) Chloroform-d	4.65	84	25439	10.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	17582	10.18	ug/L	0.00
32) Benzene-d6	5.34	84	48271	9.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	17289	9.97	ug/L	0.00
41) Toluene-d8	7.57	98	41632	9.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	7254	9.37	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	14056	16.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	22936	9.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	13993	10.15	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	16232	9.741 ug/L	96
3) Chloromethane	1.33	50	20590	9.722 ug/L	99
5) Vinyl chloride	1.40	62	19375	9.747 ug/L	100
6) Bromomethane	1.63	94	7338	8.664 ug/L	97
8) Chloroethane	1.70	64	11805	10.195 ug/L	100
9) Trichlorofluoromethane	1.89	101	21250	10.037 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	12024	9.894 ug/L	100
12) 1,1-Dichloroethene	2.29	96	11202	9.952 ug/L	92
13) Acetone	2.32	43	22806	20.008 ug/L	99
14) Carbon disulfide	2.48	76	36591	9.340 ug/L	98
15) Methyl Acetate	2.62	43	20967	10.124 ug/L	98
16) Methylene chloride	2.70	84	14284	9.877 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	12133	9.887 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	39963	9.346 ug/L	99
19) 1,1-Dichloroethane	3.45	63	27941	9.908 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	12785	9.257 ug/L	98
22) 2-Butanone	4.26	43	27404	18.430 ug/L	98
23) Bromochloromethane	4.55	128	6214	9.568 ug/L	92
25) Chloroform	4.67	83	25457	9.626 ug/L	99
27) 1,2-Dichloroethane	5.41	62	21362	9.735 ug/L	100
29) Cyclohexane	5.00	56	21114	8.732 ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	20158	9.793 ug/L	99
31) Carbon tetrachloride	5.14	117	17114	9.813 ug/L	100
33) Benzene	5.39	78	54102	9.804 ug/L	100
34) Trichloroethene	6.19	95	12212	9.486 ug/L	92
35) Methylcyclohexane	6.42	83	19786	9.117 ug/L	99
37) 1,2-Dichloropropane	6.43	63	16180	9.561 ug/L	99
38) Bromodichloromethane	6.76	83	18723	9.740 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	19624	8.618 ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	43674	17.592 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	49272	9.053	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	19438	8.832	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	13204	9.848	ug/L	98
46) Tetrachloroethene	8.23	164	8829	9.563	ug/L	98
48) 2-Hexanone	8.37	43	35668	17.607	ug/L	94
49) Dibromochloromethane	8.48	129	13073	9.557	ug/L	100
50) 1,2-Dibromoethane	8.59	107	13328	9.680	ug/L	95
51) Chlorobenzene	9.12	112	32418	9.416	ug/L	97
52) Ethylbenzene	9.25	91	52038	8.756	ug/L	98
53) m,p-Xylene	9.38	106	18431	8.711	ug/L	98
54) o-xylene	9.78	106	17967	8.668	ug/L	97
55) Styrene	9.79	104	29017	8.165	ug/L	97
56) Isopropylbenzene	10.17	105	45152	8.344	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	23038	9.422	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	18723	9.478	ug/L	98
61) Bromoform	9.96	173	8677	10.014	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	19750	9.415	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	21628	9.718	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	22111	9.760	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	4399	9.568	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	14246	9.304	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	11191	8.591	ug/L	96
69) Naphthalene	13.75	128	32029	7.241	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	12528	8.754	ug/L	99

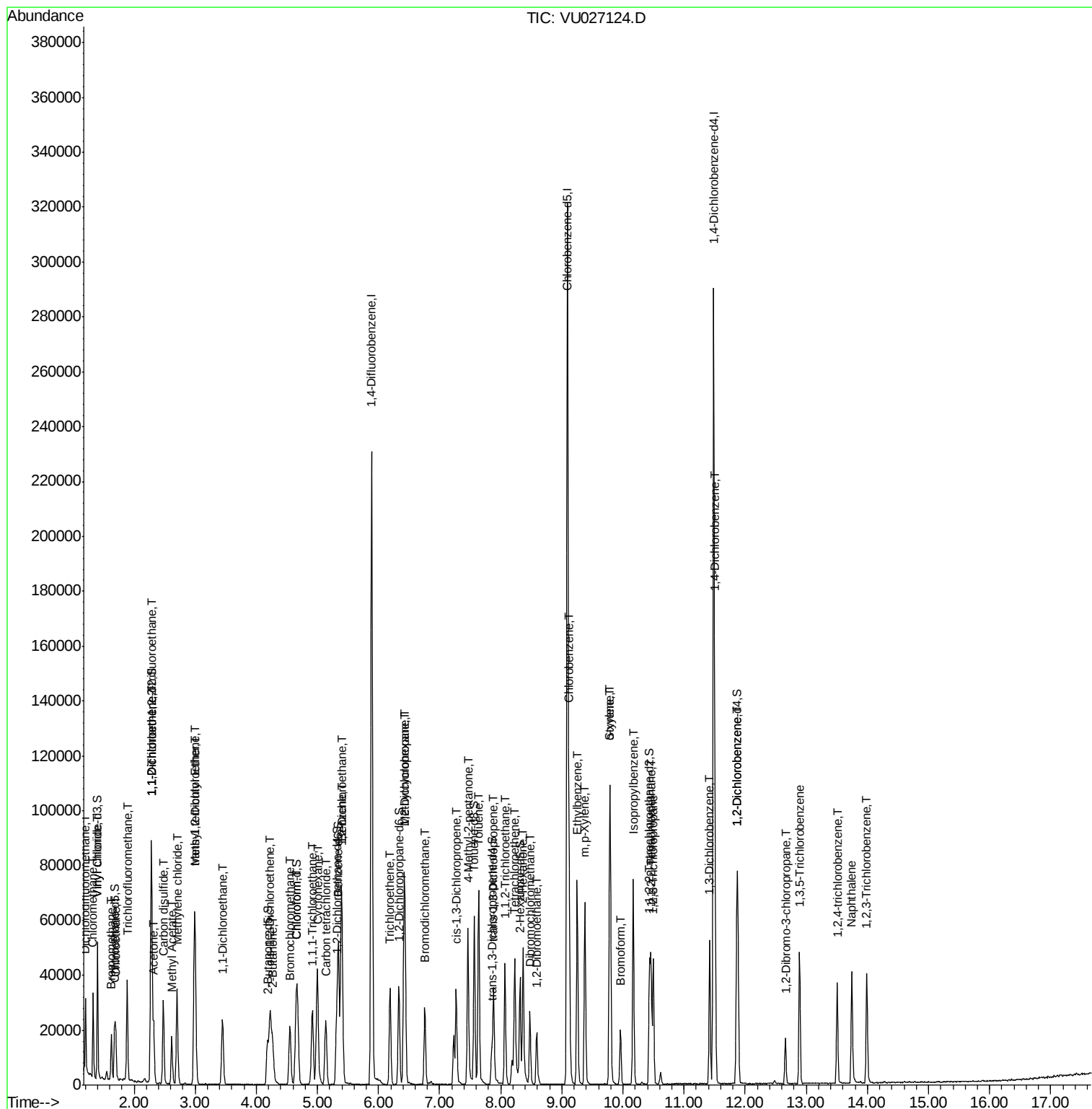
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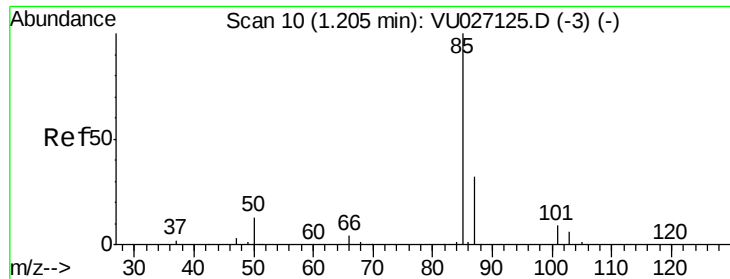
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#2

Dichlorodifluoromethane

Concen: 9.741 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

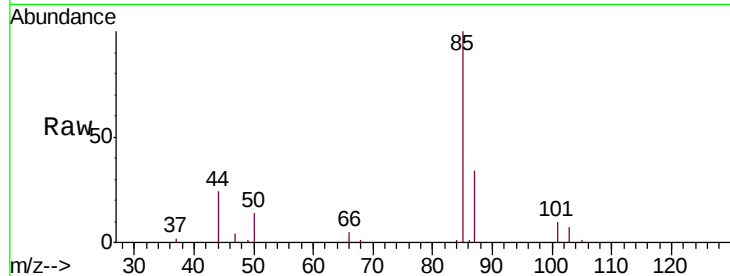
VSTD01051

Tgt Ion: 85 Resp: 16232

Ion Ratio Lower Upper

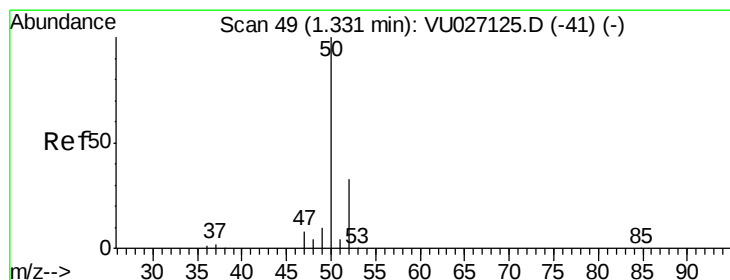
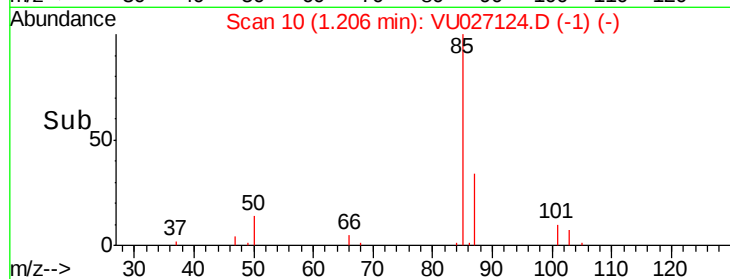
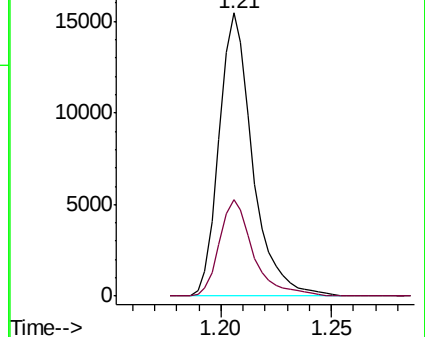
85 100

87 34.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU027125.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU027125.D (-3) (-)



#3

Chloromethane

Concen: 9.722 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027124.D

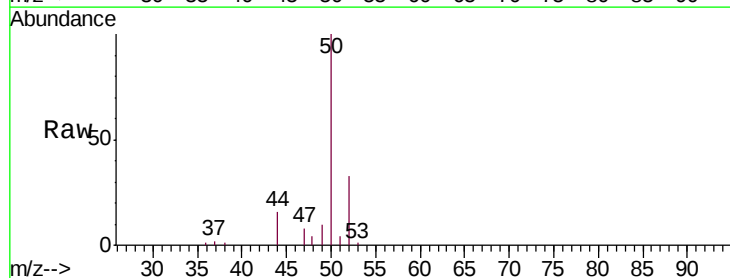
Acq: 25 Sep 2018 11:10

Tgt Ion: 50 Resp: 20590

Ion Ratio Lower Upper

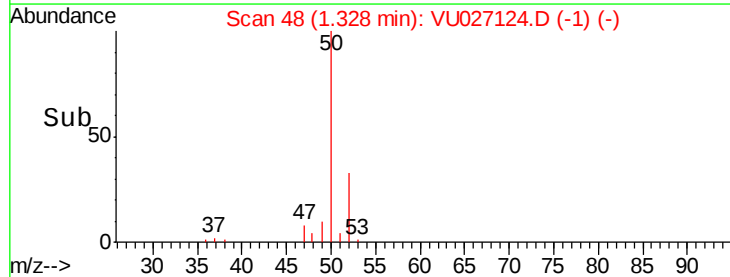
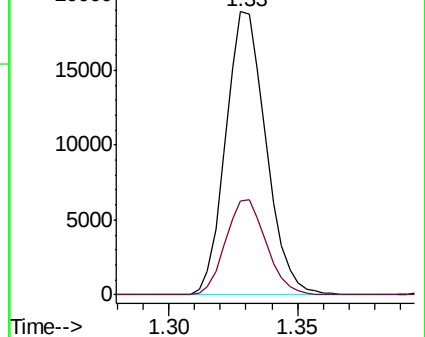
50 100

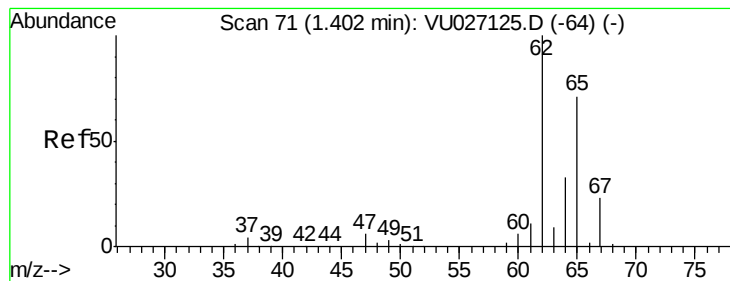
52 33.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU027125.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU027125.D (-41) (-)





#5

Vinyl chloride

Concen: 9.747 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

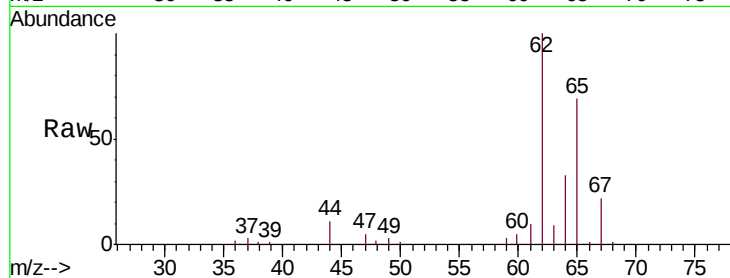
VSTD01051

Tgt Ion: 62 Resp: 19375

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

20000

15000

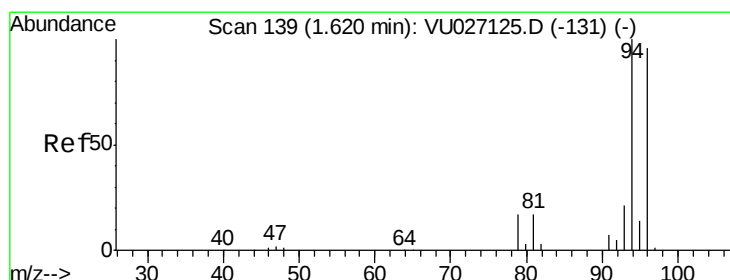
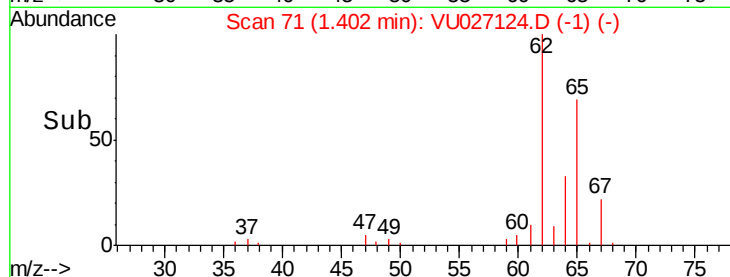
10000

5000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 8.664 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027124.D

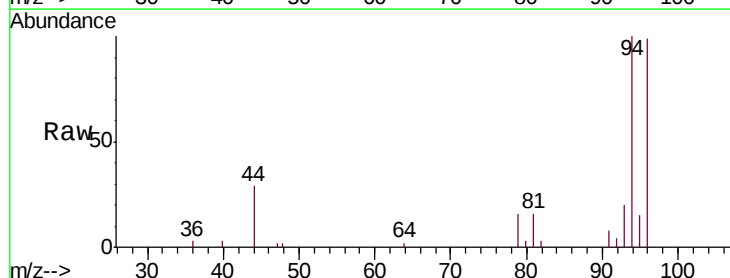
Acq: 25 Sep 2018 11:10

Tgt Ion: 94 Resp: 7338

Ion Ratio Lower Upper

94 100

96 99.2 67.1 124.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

6000

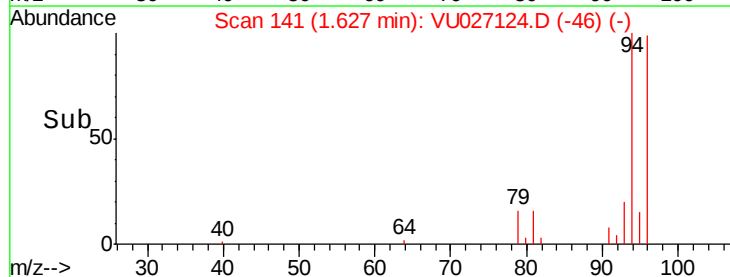
4000

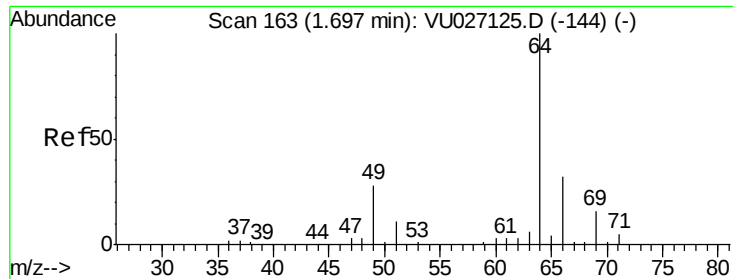
2000

0

Time-->

1.60 1.65

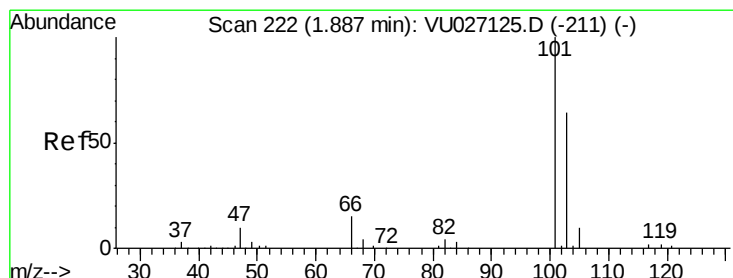
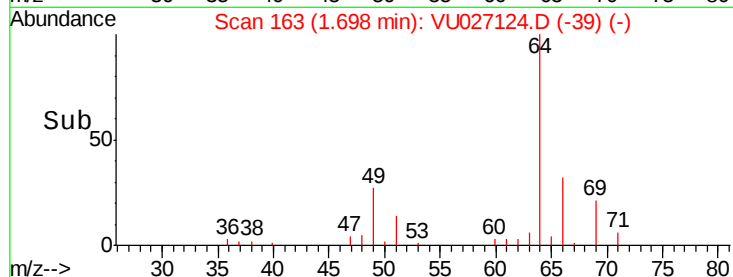
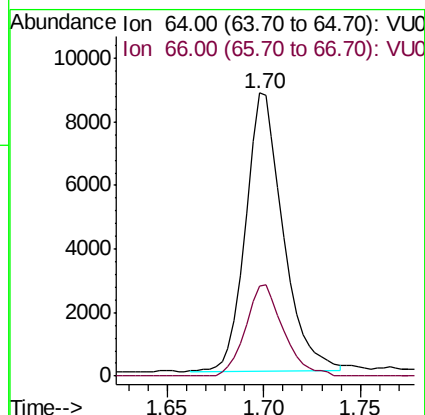
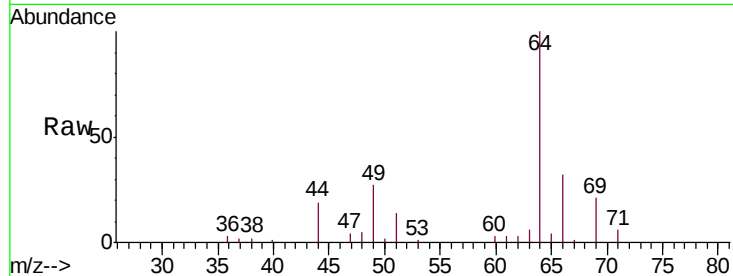




#8
Chloroethane
Concen: 10.195 ug/L
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

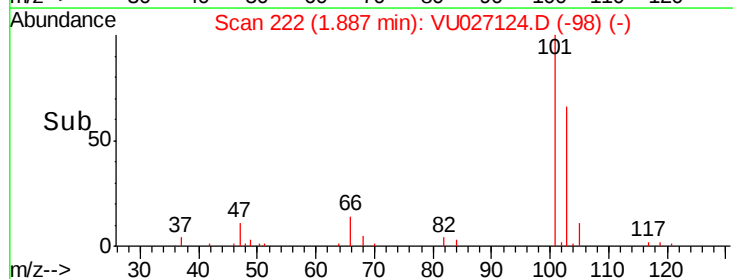
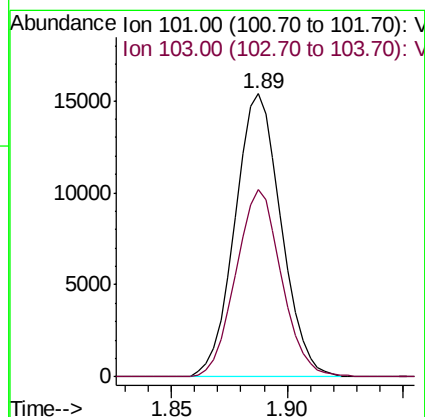
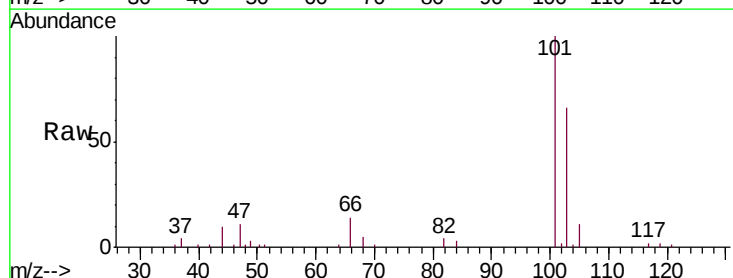
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

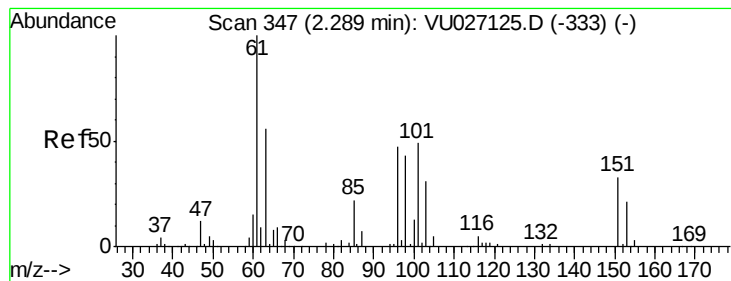
Tgt Ion: 64 Resp: 11805
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 10.037 ug/L
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

Tgt Ion: 101 Resp: 21250
Ion Ratio Lower Upper
101 100
103 65.5 51.2 76.8





#10

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

Concen: 9.894 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

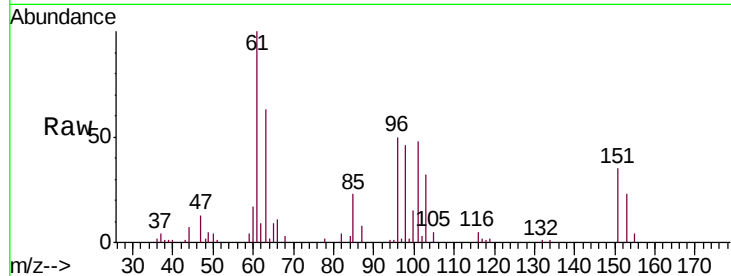
Tgt Ion:101 Resp: 12024

Ion Ratio Lower Upper

101 100

85 46.5 37.0 55.6

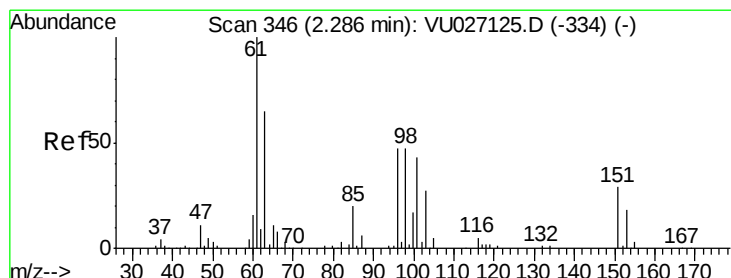
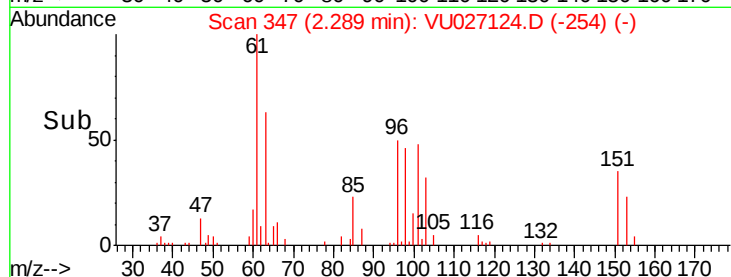
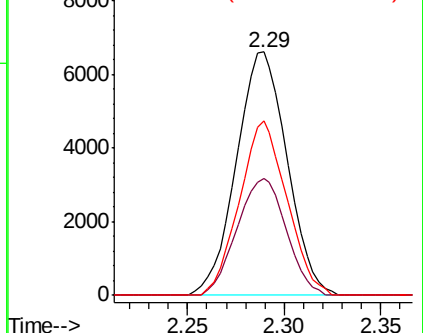
151 67.0 53.5 80.3



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: 9.952 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

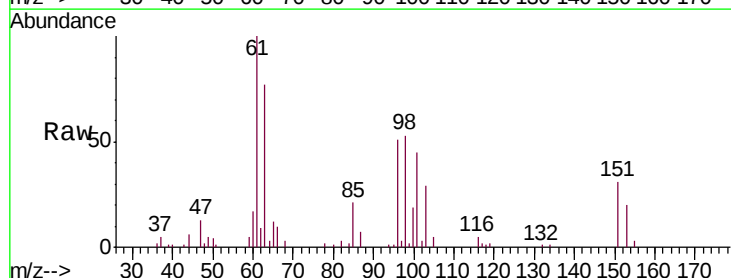
Tgt Ion: 96 Resp: 11202

Ion Ratio Lower Upper

96 100

61 197.5 150.0 278.6

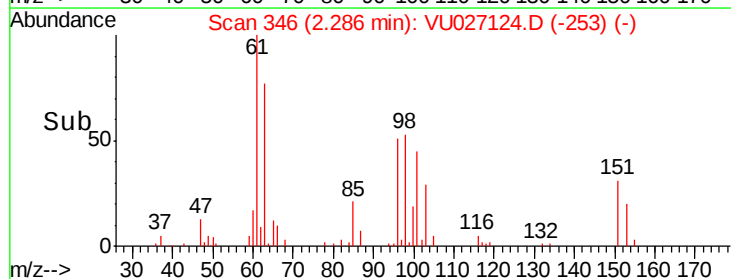
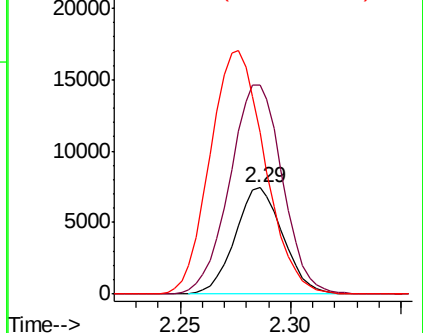
63 152.0 101.8 189.0

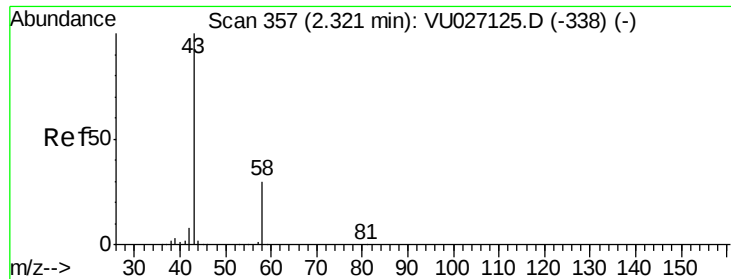


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 20.008 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

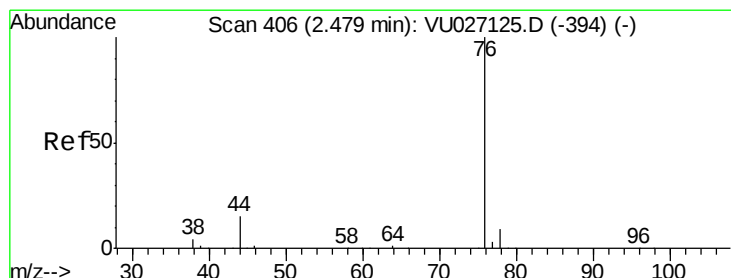
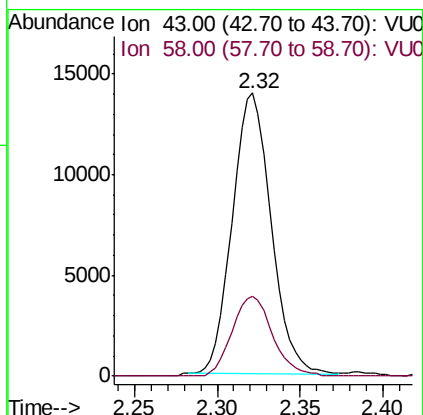
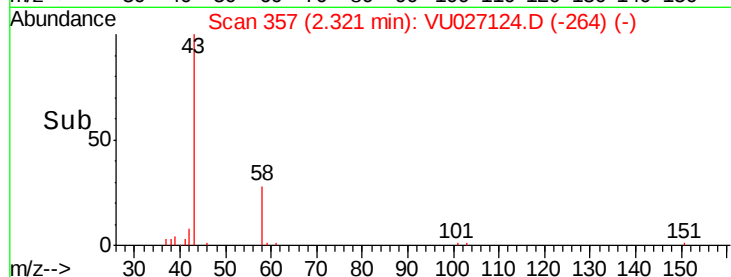
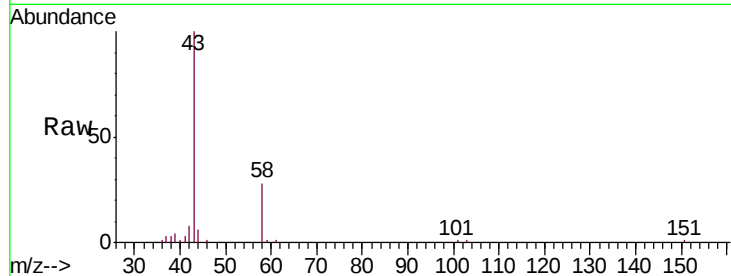
VSTD01051

Tgt Ion: 43 Resp: 22806

Ion Ratio Lower Upper

43 100

58 29.4 0.0 59.6



#14

Carbon disulfide

Concen: 9.340 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027124.D

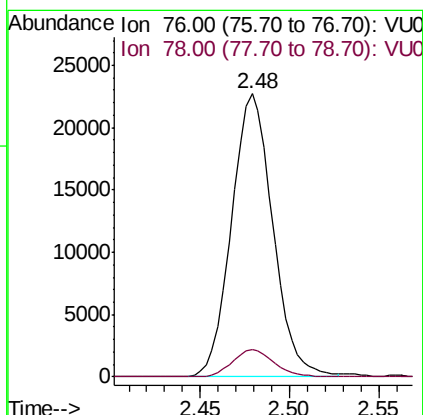
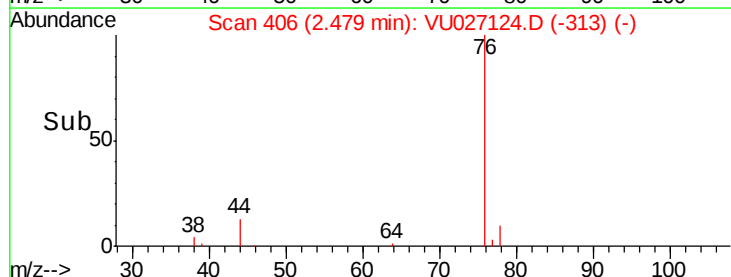
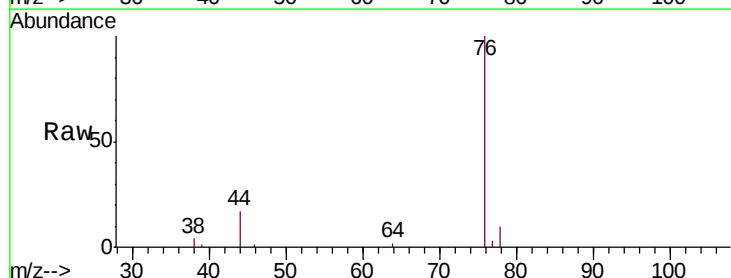
Acq: 25 Sep 2018 11:10

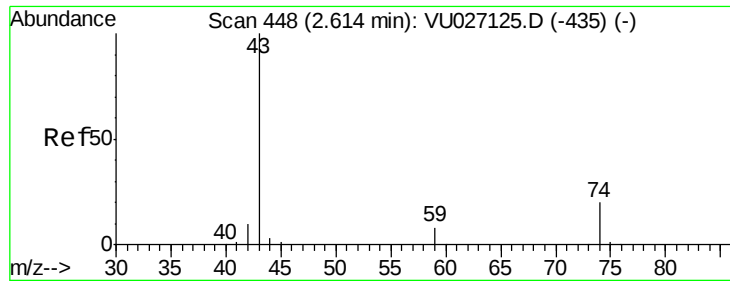
Tgt Ion: 76 Resp: 36591

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

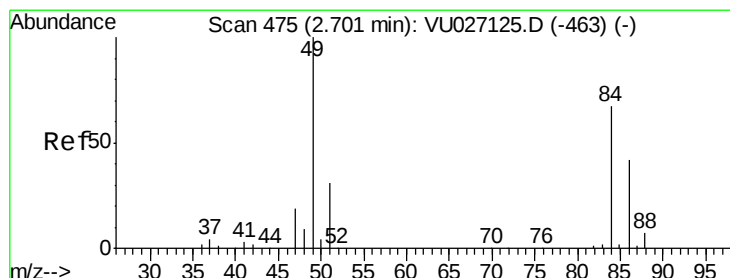
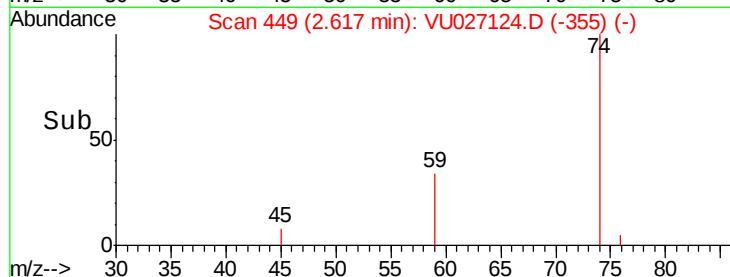
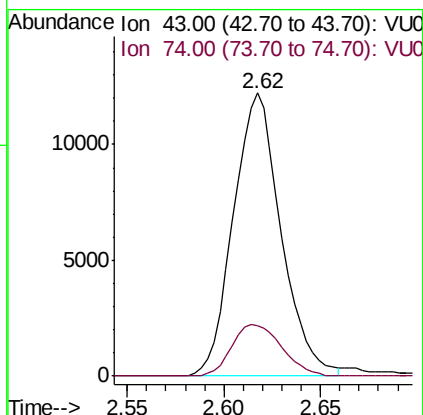
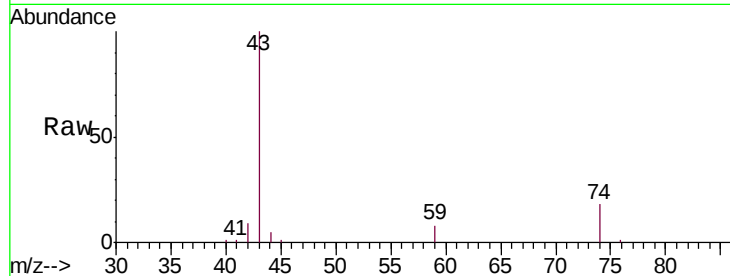




#15
Methyl Acetate
Concen: 10.124 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

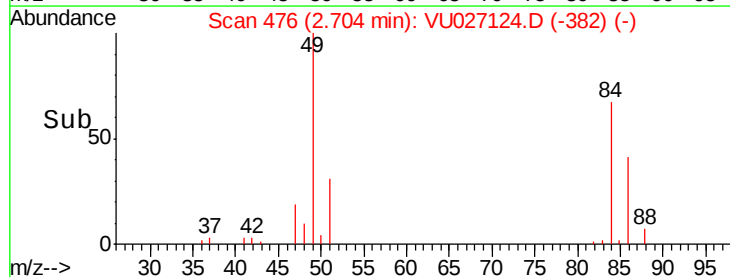
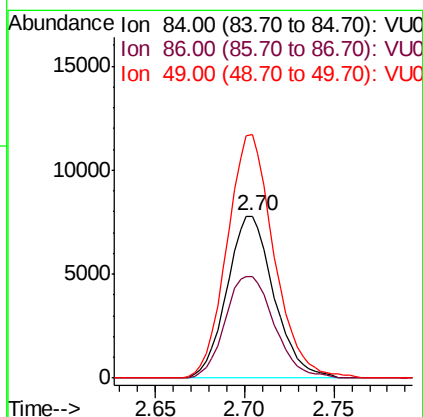
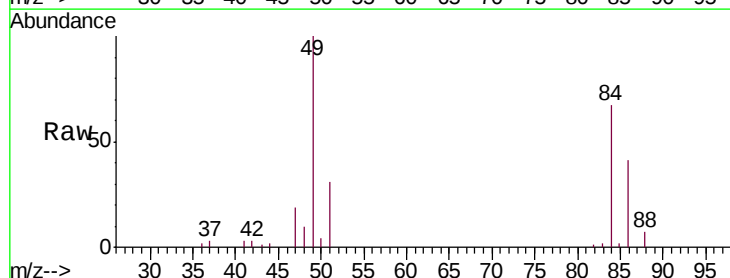
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

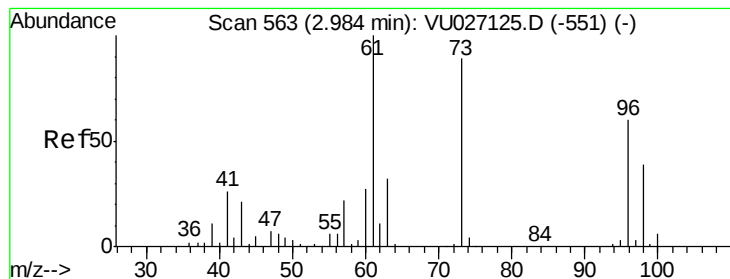
Tgt Ion: 43 Resp: 20967
Ion Ratio Lower Upper
43 100
74 19.0 15.9 23.9



#16
Methylene chloride
Concen: 9.877 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

Tgt Ion: 84 Resp: 14284
Ion Ratio Lower Upper
84 100
86 62.2 43.8 81.3
49 150.0 104.4 194.0





#17

trans-1,2-Dichloroethene

Concen: 9.887 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

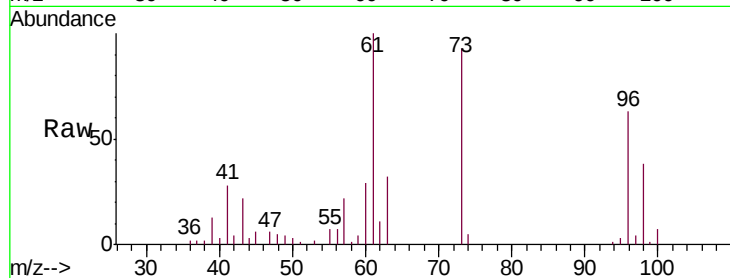
Tgt Ion: 96 Resp: 12133

Ion Ratio Lower Upper

96 100

61 159.6 117.2 217.8

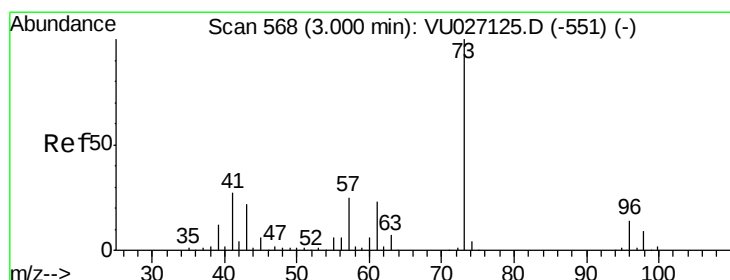
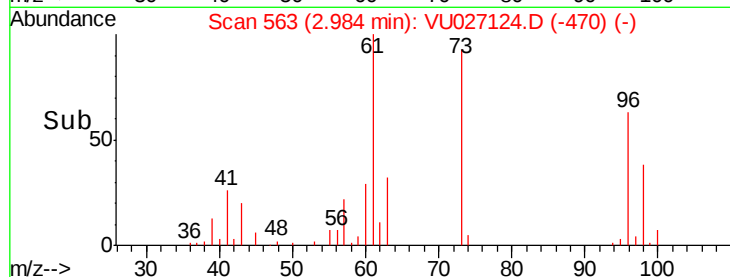
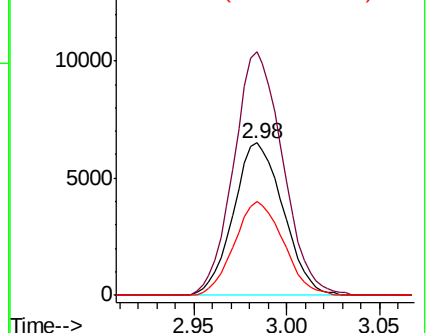
98 61.1 45.3 84.1



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: 9.346 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

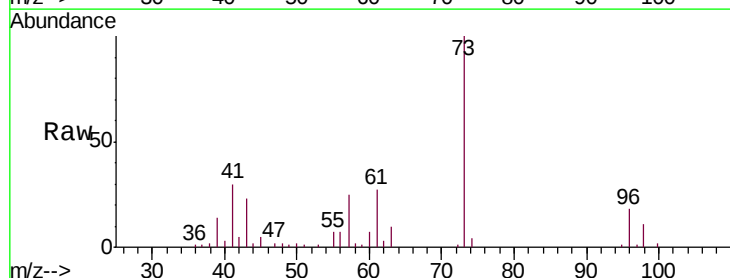
Tgt Ion: 73 Resp: 39963

Ion Ratio Lower Upper

73 100

43 23.5 17.9 26.9

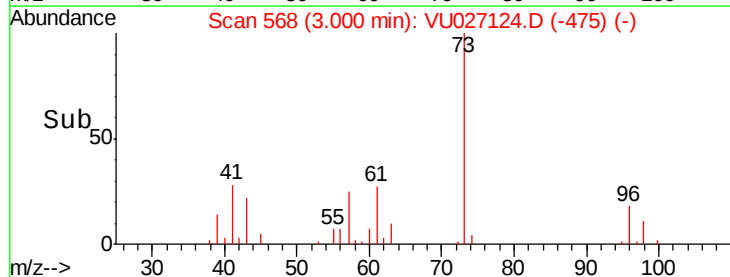
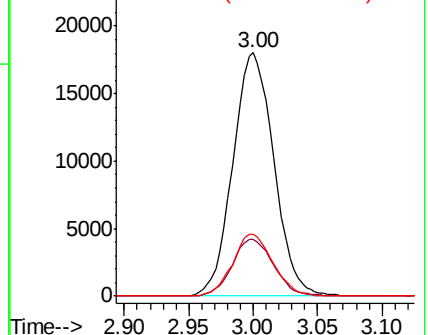
57 24.8 20.0 30.0

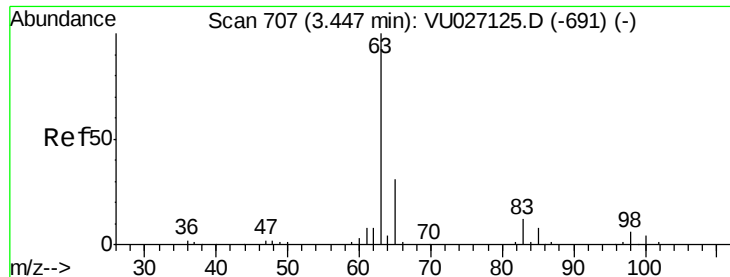


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

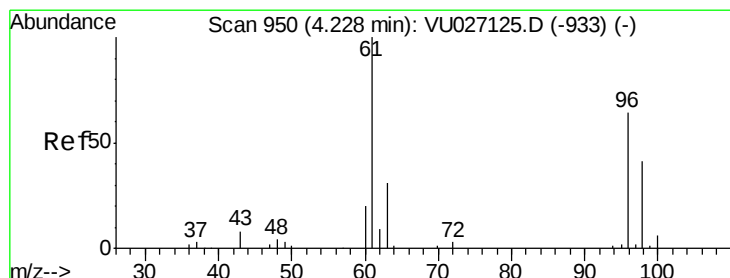
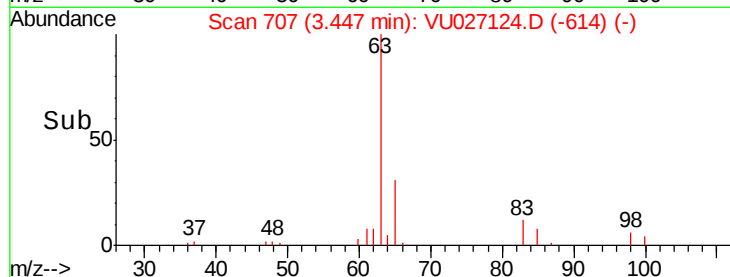
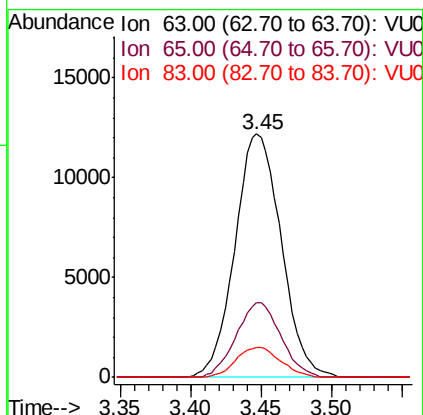
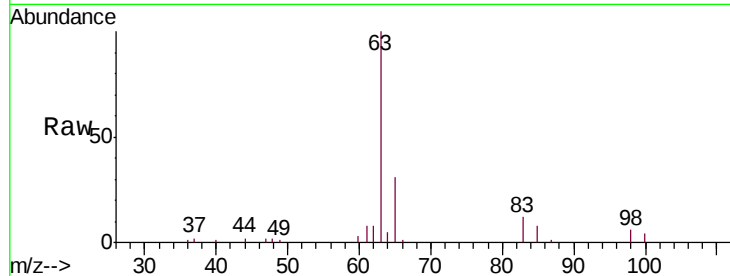




#19
 1,1-Dichloroethane
 Concen: 9.908 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

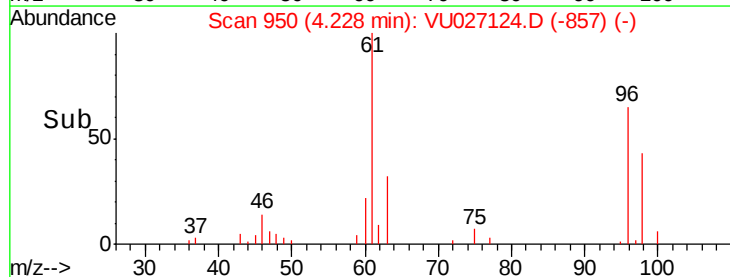
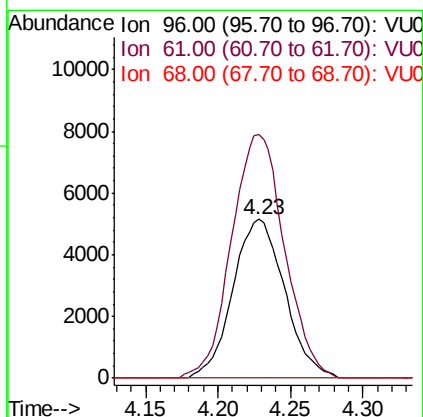
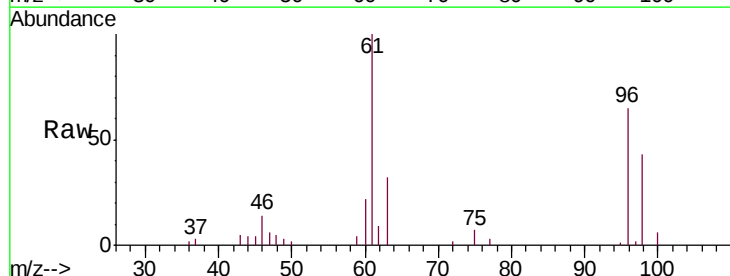
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

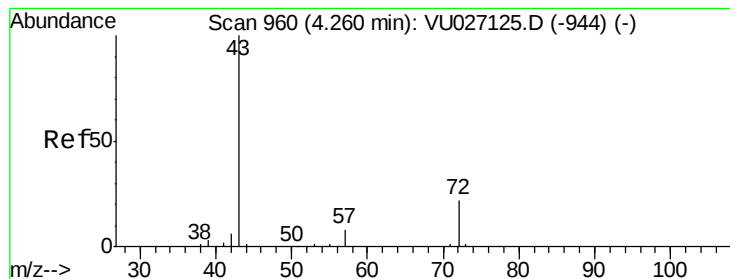
Tgt Ion: 63 Resp: 27941
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.0 40.8
 83 12.2 8.4 15.6



#20
 cis-1,2-Dichloroethene
 Concen: 9.257 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

Tgt Ion: 96 Resp: 12785
 Ion Ratio Lower Upper
 96 100
 61 153.4 109.6 203.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 18.430 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

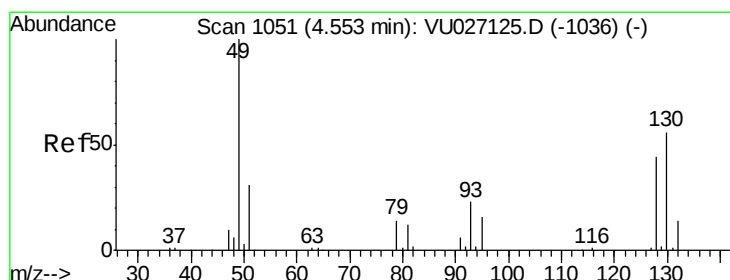
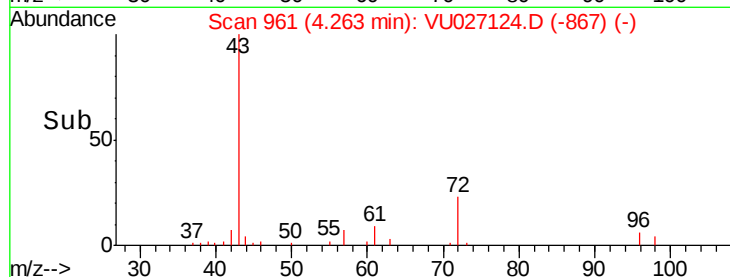
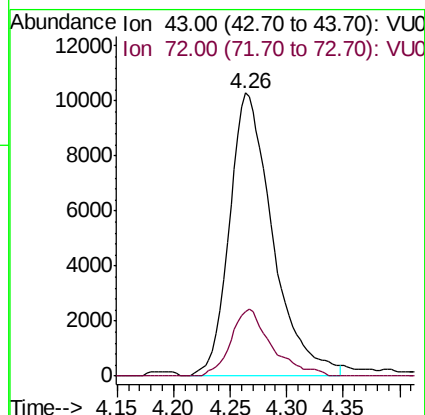
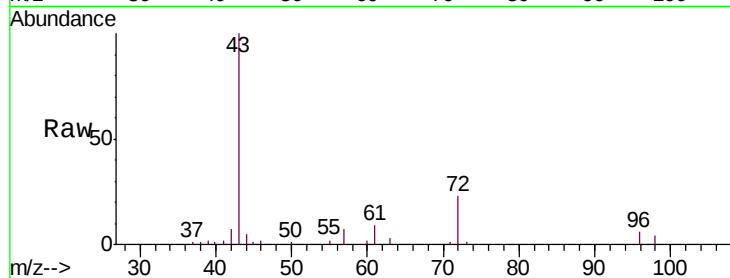
VSTD01051

Tgt Ion: 43 Resp: 27404

Ion Ratio Lower Upper

43 100

72 21.6 11.3 33.9



#23

Bromochloromethane

Concen: 9.568 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Tgt Ion: 128 Resp: 6214

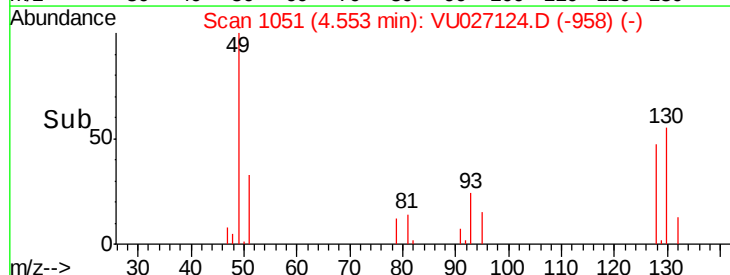
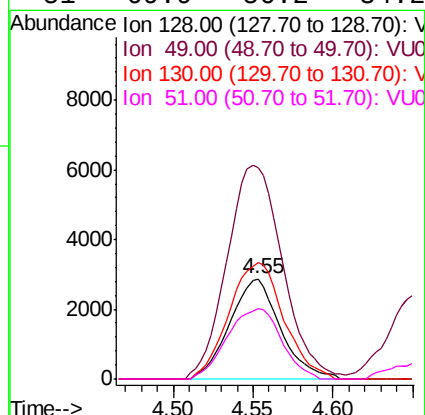
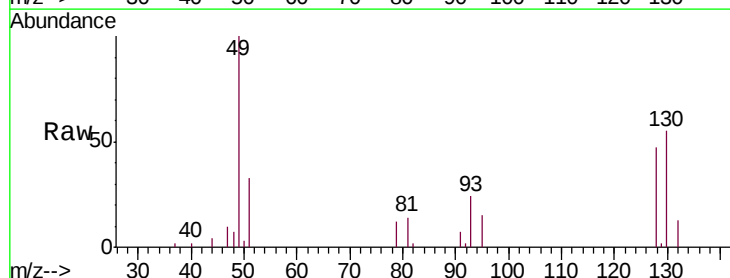
Ion Ratio Lower Upper

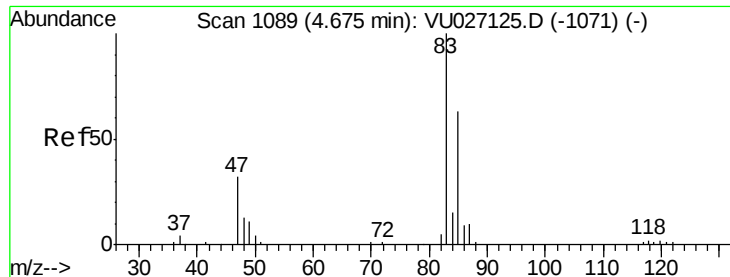
128 100

49 210.8 159.0 295.4

130 115.9 88.6 164.6

51 69.9 56.2 84.2

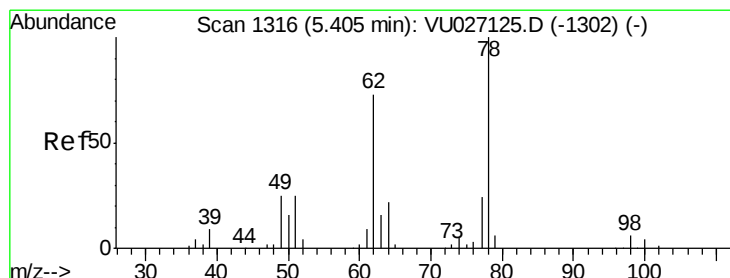
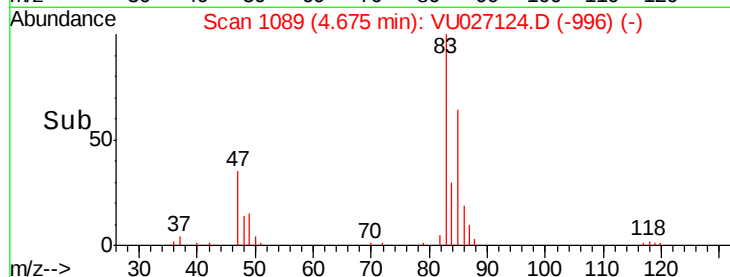
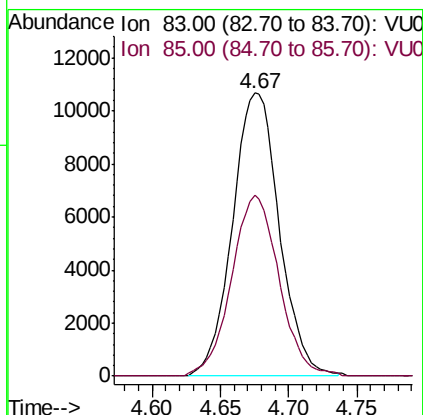
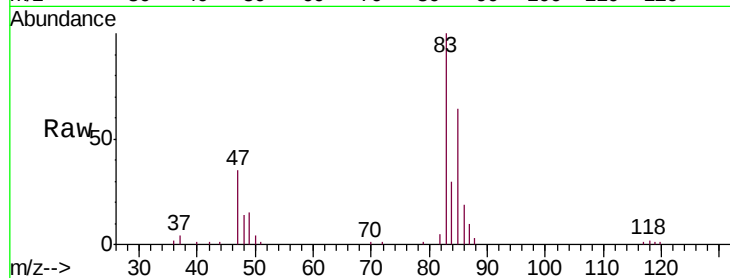




#25
Chloroform
Concen: 9.626 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

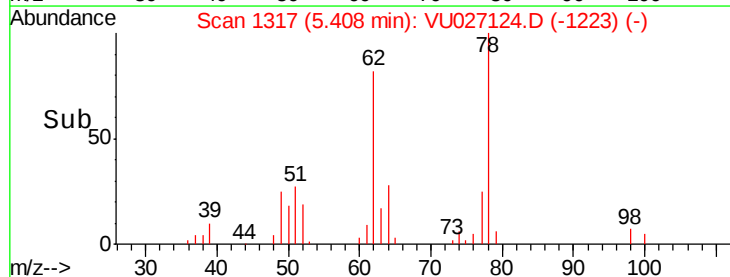
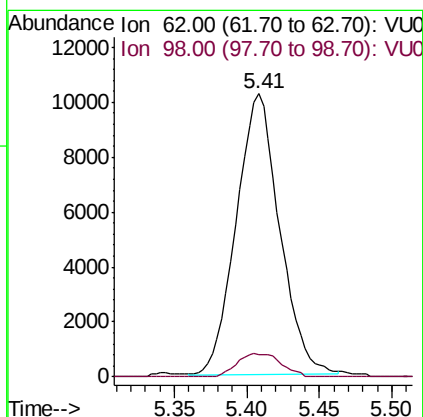
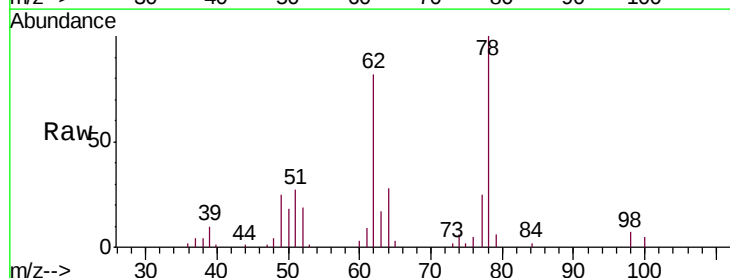
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

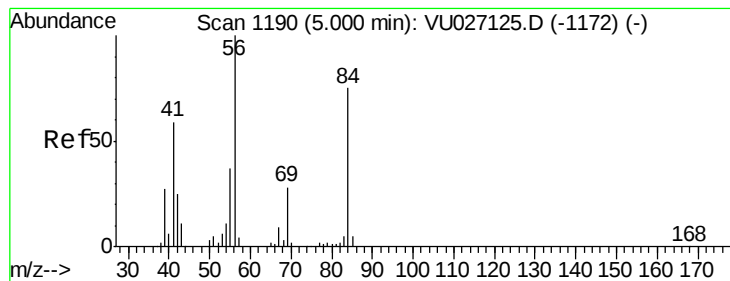
Tgt Ion: 83 Resp: 25457
Ion Ratio Lower Upper
83 100
85 63.9 44.0 81.6



#27
1,2-Dichloroethane
Concen: 9.735 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

Tgt Ion: 62 Resp: 21362
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6





#29

Cyclohexane

Concen: 8.732 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

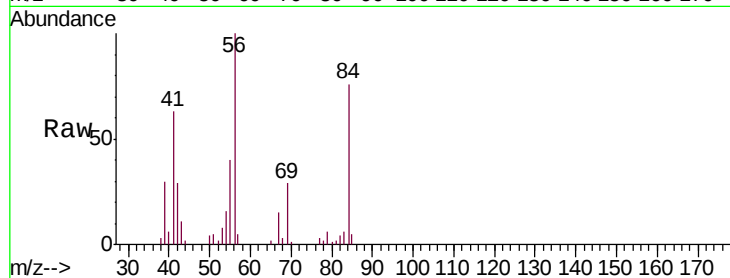
Tgt Ion: 56 Resp: 21114

Ion Ratio Lower Upper

56 100

69 27.9 22.3 33.5

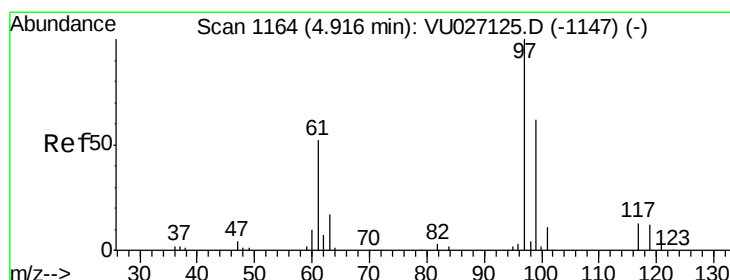
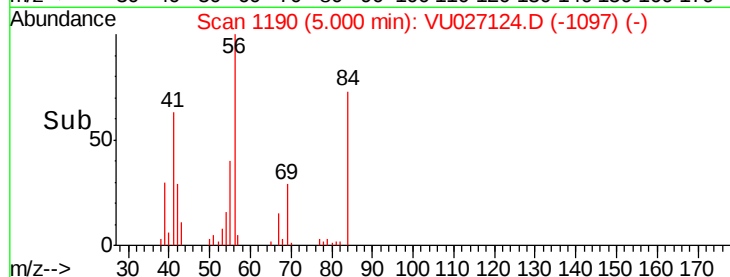
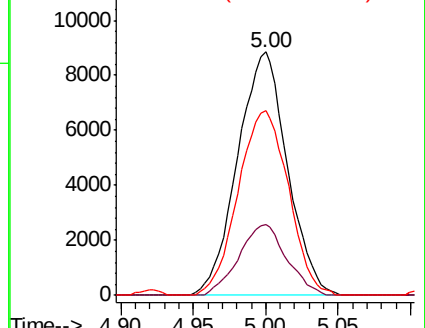
84 76.7 59.8 89.8



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: 9.793 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

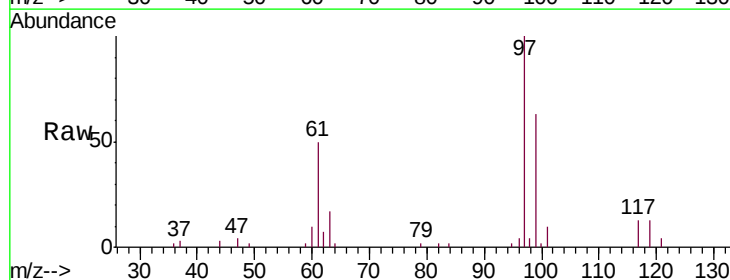
Tgt Ion: 97 Resp: 20158

Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

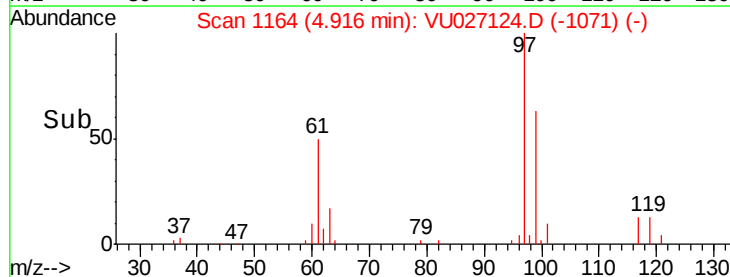
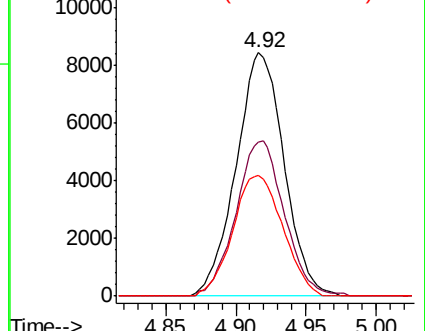
61 51.5 42.3 63.5

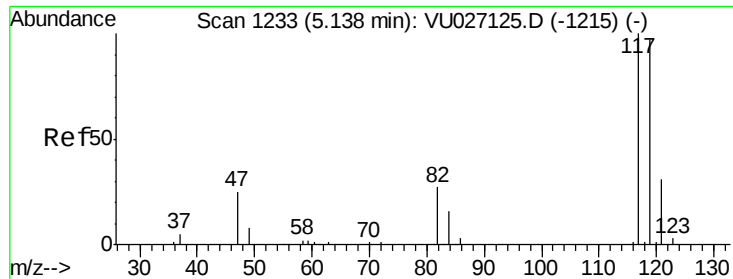


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 9.813 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

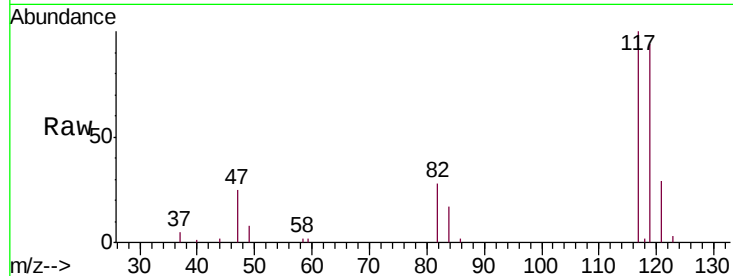
VSTD01051

Tgt Ion:117 Resp: 17114

Ion Ratio Lower Upper

117 100

119 96.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

8000

6000

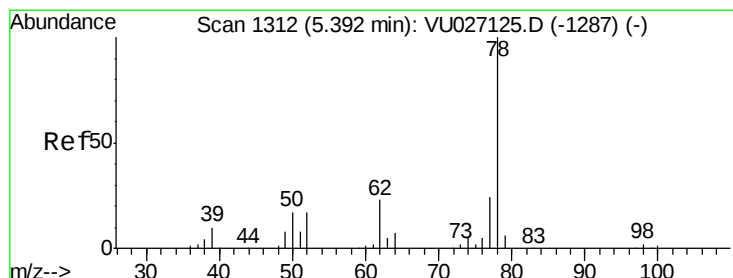
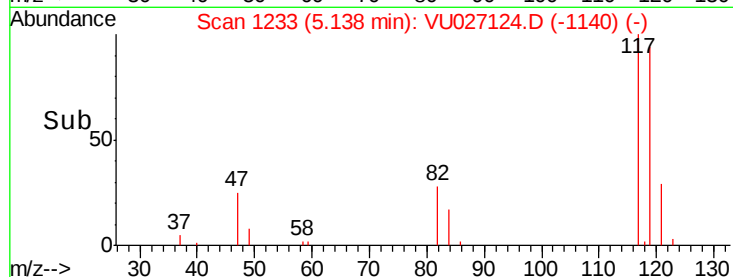
4000

2000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 9.804 ug/L

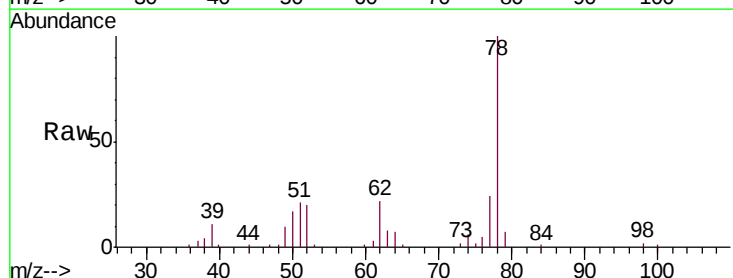
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Tgt Ion: 78 Resp: 54102



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

30000

25000

20000

15000

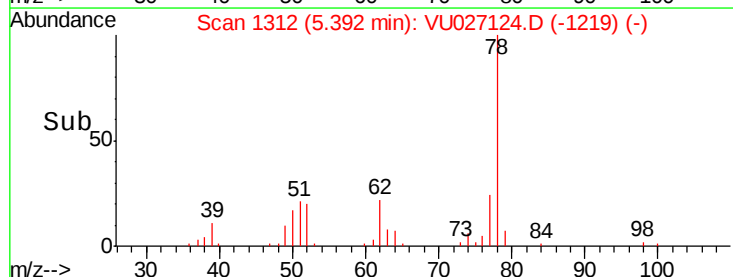
10000

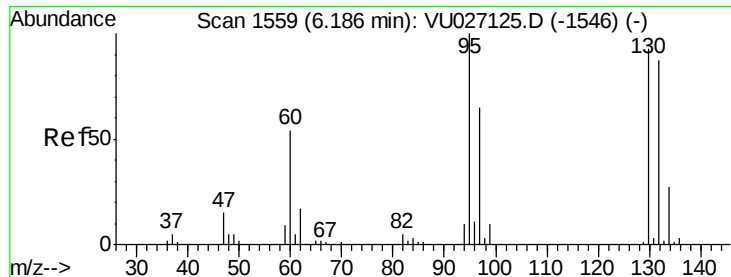
5000

0

Time-->

5.30 5.35 5.40 5.45 5.50





#34

Trichloroethene

Concen: 9.486 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tgt Ion: 95 Resp: 12212

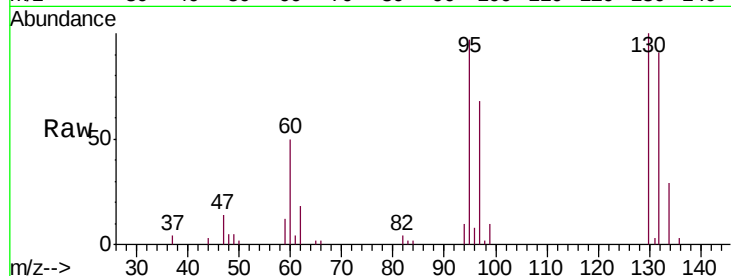
Ion Ratio Lower Upper

95 100

97 70.2 45.4 84.2

132 93.7 61.1 113.5

130 102.8 65.0 120.6

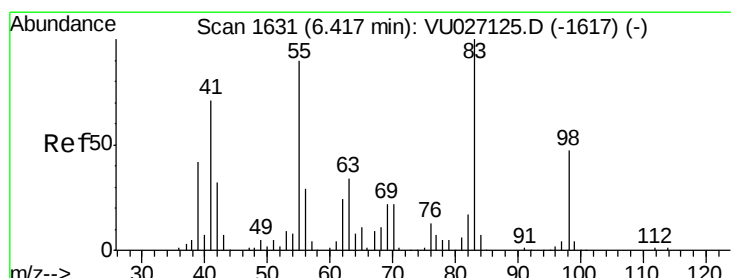
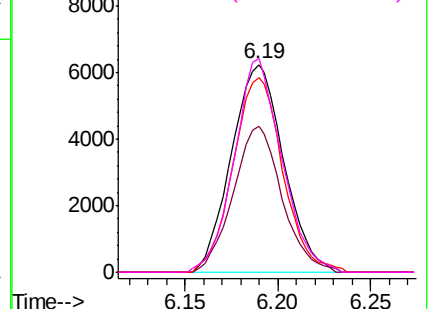
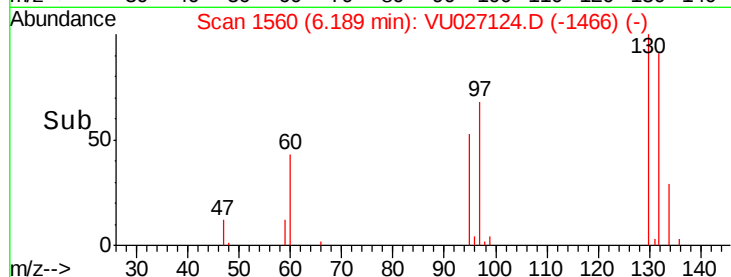


Abundance Ion 95.00 (94.70 to 95.70): VU027124.D (-1546) (-)

Ion 97.00 (96.70 to 97.70): VU027124.D (-1546) (-)

Ion 132.00 (131.70 to 132.70): VU027124.D (-1546) (-)

Ion 130.00 (129.70 to 130.70): VU027124.D (-1546) (-)



#35

Methylcyclohexane

Concen: 9.117 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

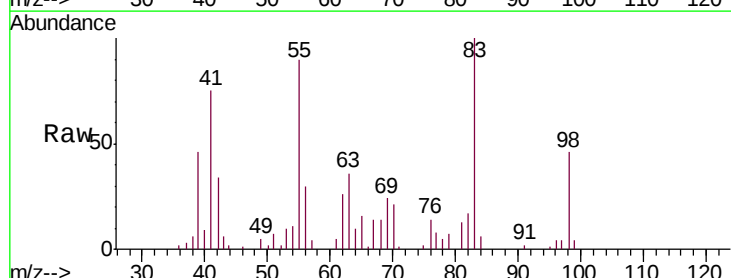
Tgt Ion: 83 Resp: 19786

Ion Ratio Lower Upper

83 100

55 91.8 73.2 109.8

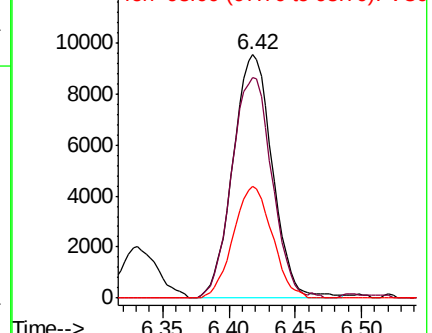
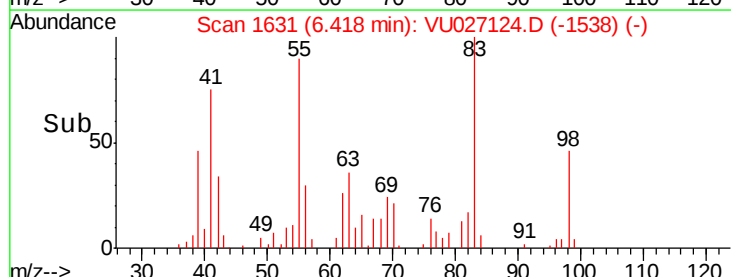
98 45.1 37.0 55.6

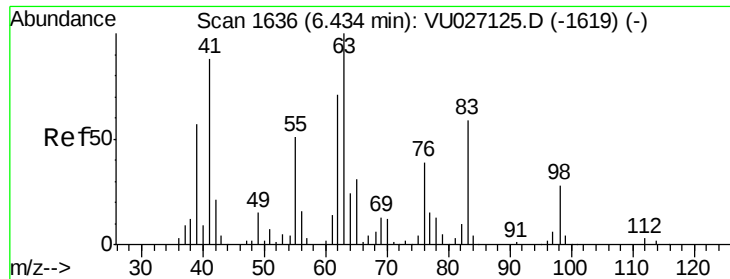


Abundance Ion 83.00 (82.70 to 83.70): VU027124.D (-1538) (-)

Ion 55.00 (54.70 to 55.70): VU027124.D (-1538) (-)

Ion 98.00 (97.70 to 98.70): VU027124.D (-1538) (-)

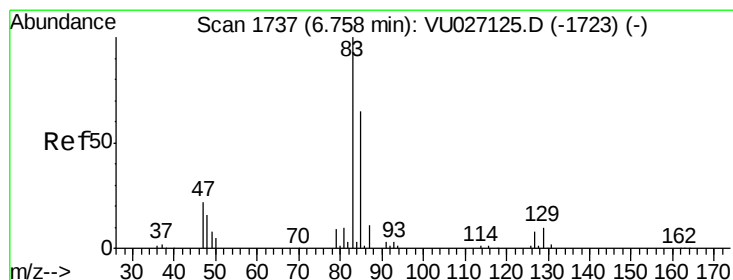
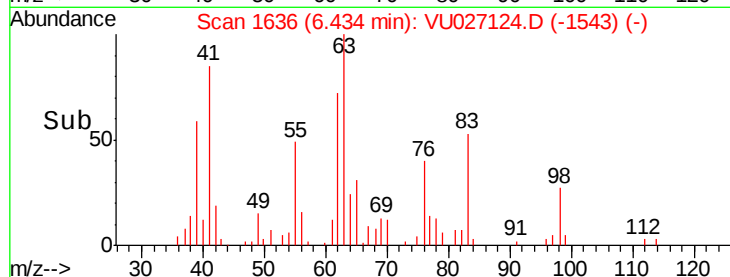
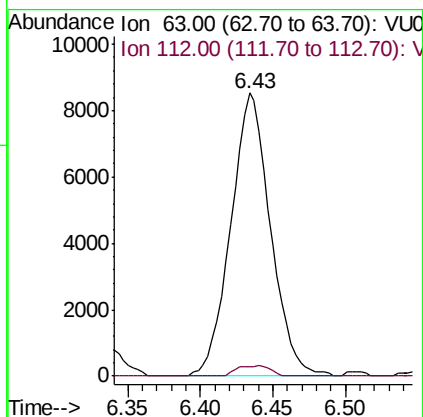
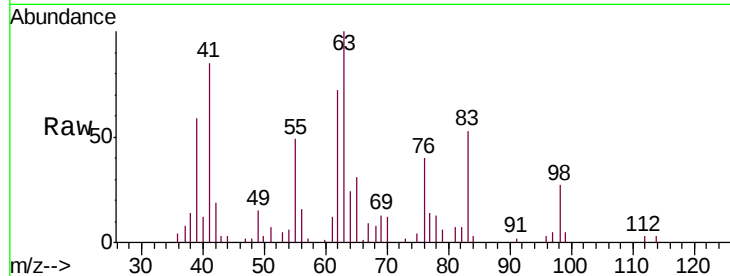




#37
 1,2-Dichloropropane
 Concen: 9.561 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

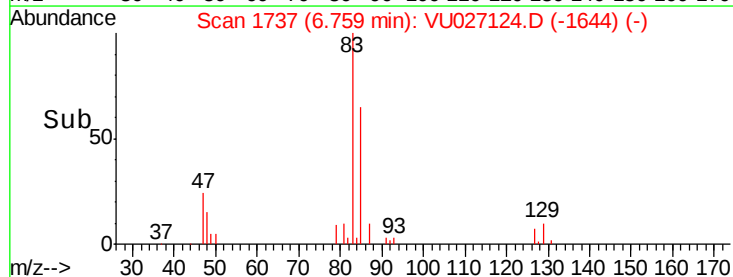
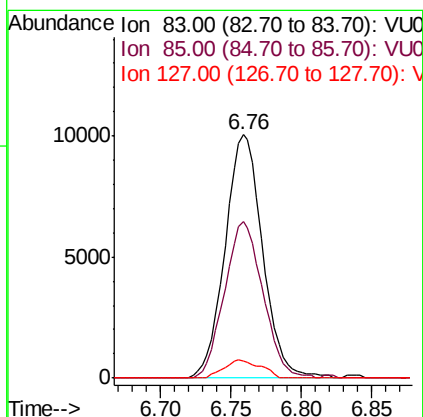
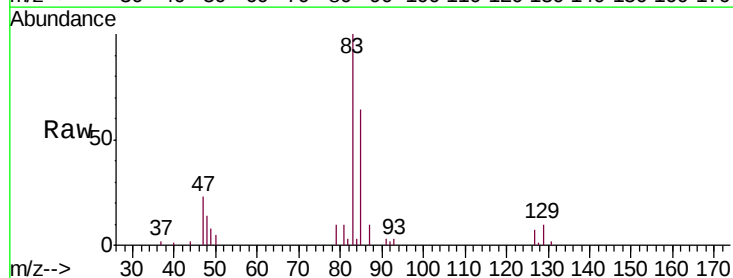
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

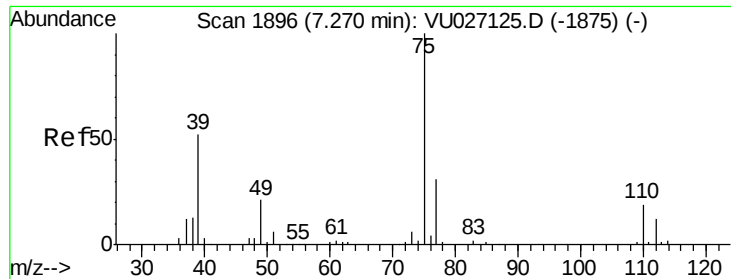
Tgt Ion: 63 Resp: 16180
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.9 4.3



#38
 Bromodichloromethane
 Concen: 9.740 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

Tgt Ion: 83 Resp: 18723
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.3 84.1
 127 7.1 6.6 9.8

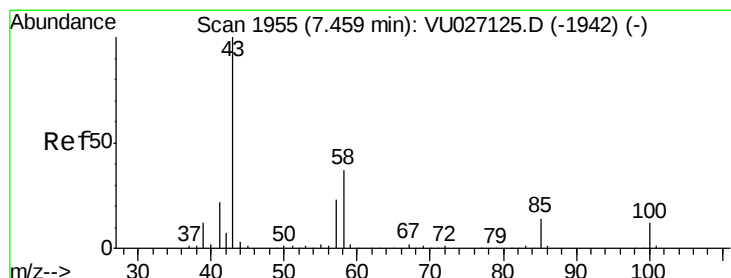
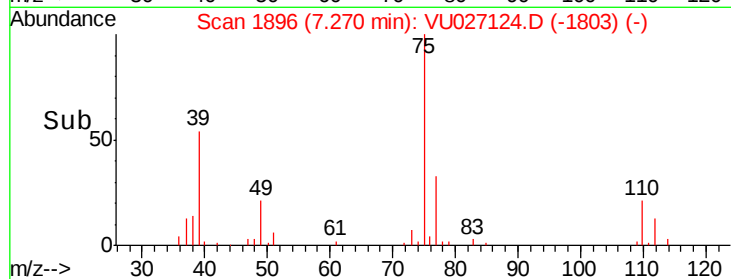
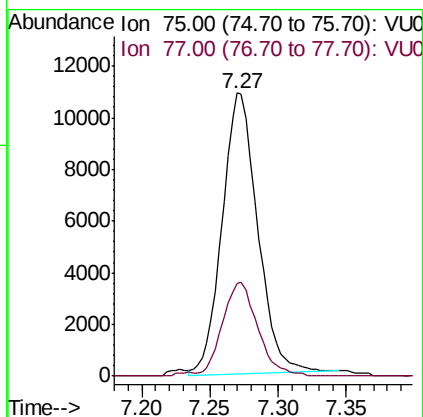
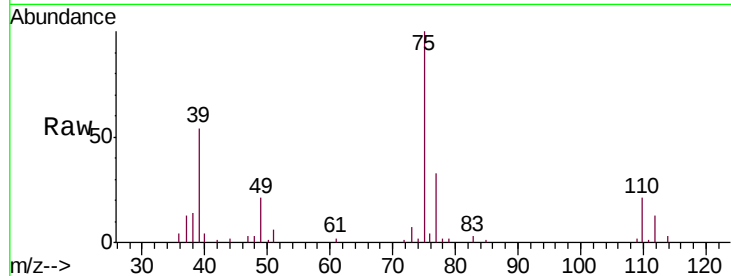




#39
 cis-1,3-Dichloropropene
 Concen: 8.618 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

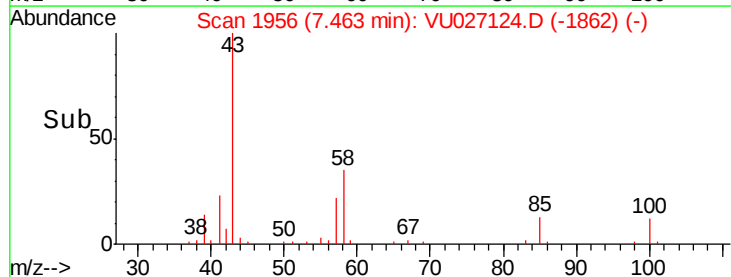
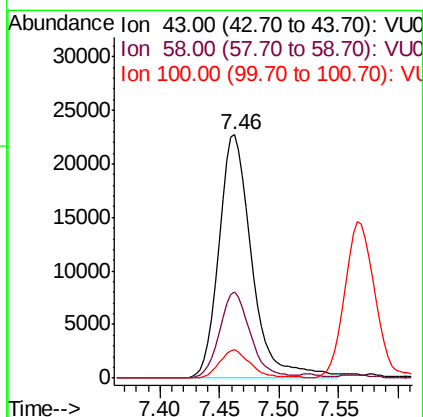
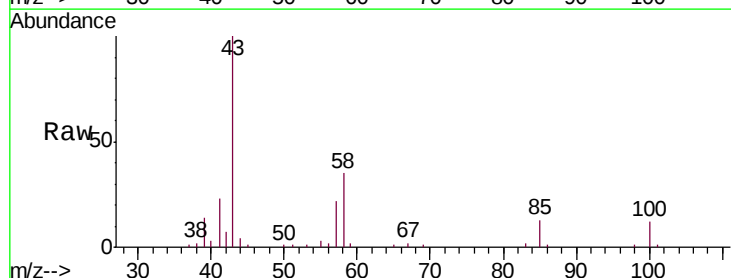
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

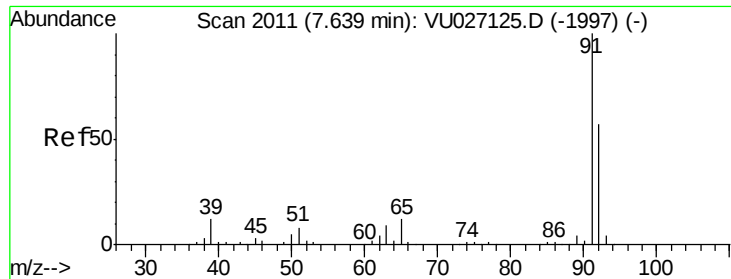
Tgt Ion: 75 Resp: 19624
 Ion Ratio Lower Upper
 75 100
 77 32.9 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 17.592 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

Tgt Ion: 43 Resp: 43674
 Ion Ratio Lower Upper
 43 100
 58 33.1 29.0 43.6
 100 10.8 9.4 14.0





#42

Toluene

Concen: 9.053 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

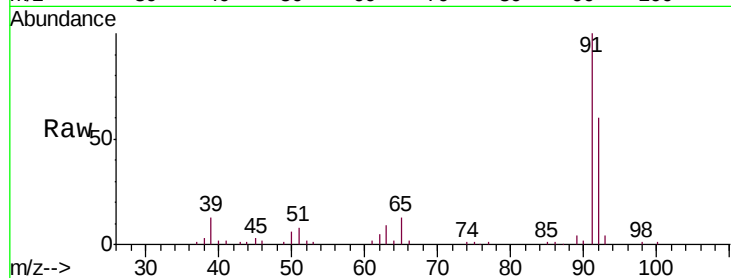
VSTD01051

Tgt Ion: 91 Resp: 49272

Ion Ratio Lower Upper

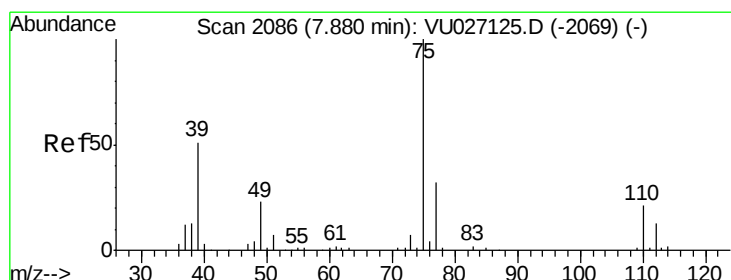
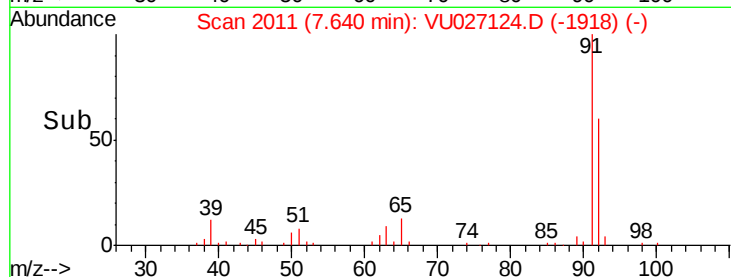
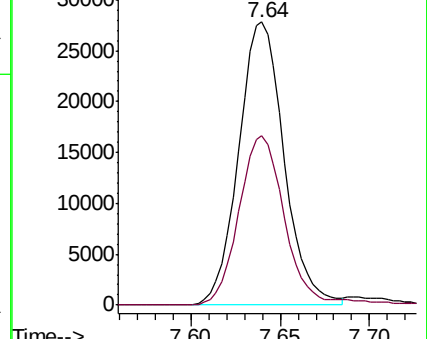
91 100

92 60.0 39.9 74.1



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: 8.832 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027124.D

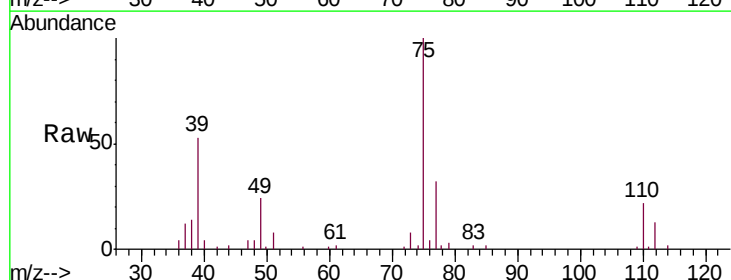
Acq: 25 Sep 2018 11:10

Tgt Ion: 75 Resp: 19438

Ion Ratio Lower Upper

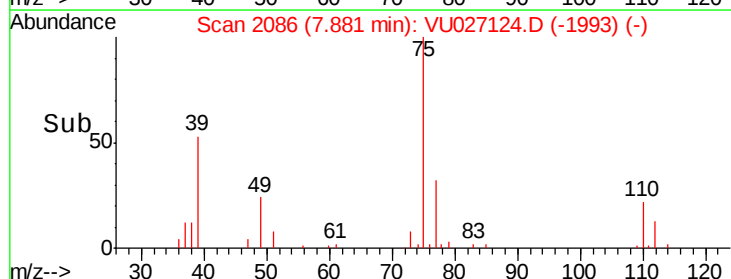
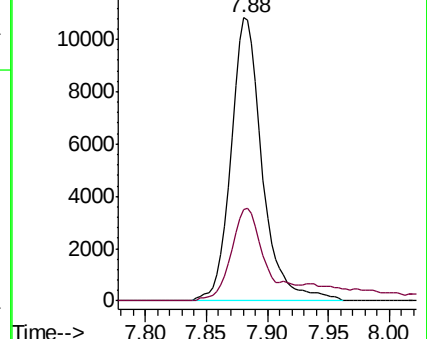
75 100

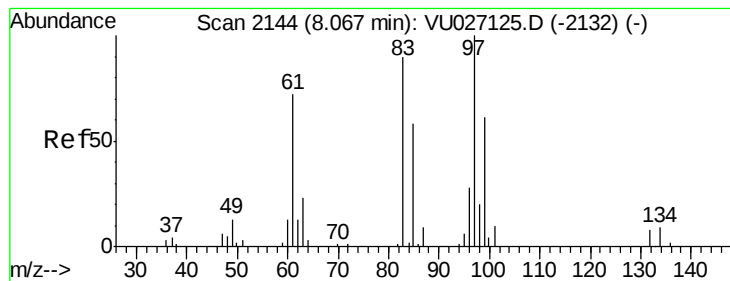
77 32.3 22.3 41.5



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: 9.848 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tgt Ion: 97 Resp: 13204

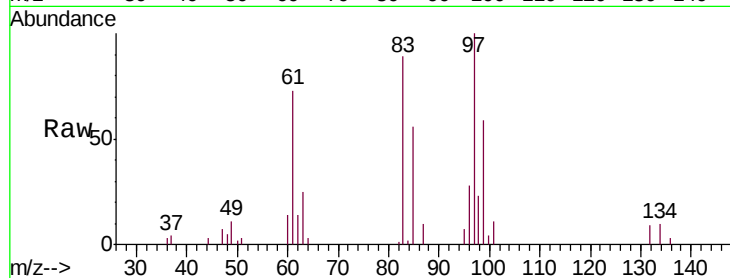
Ion Ratio Lower Upper

97 100

99 58.6 42.8 79.4

83 89.2 63.2 117.4

85 56.5 40.9 75.9



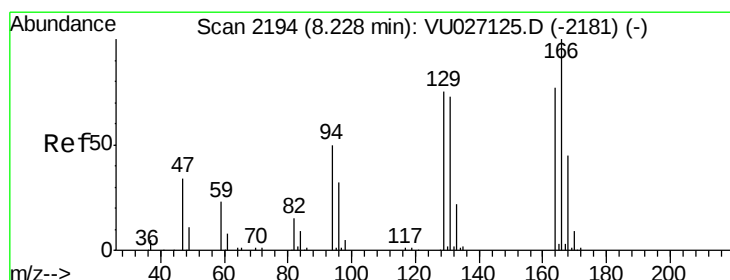
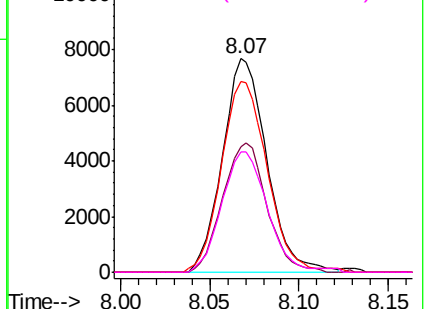
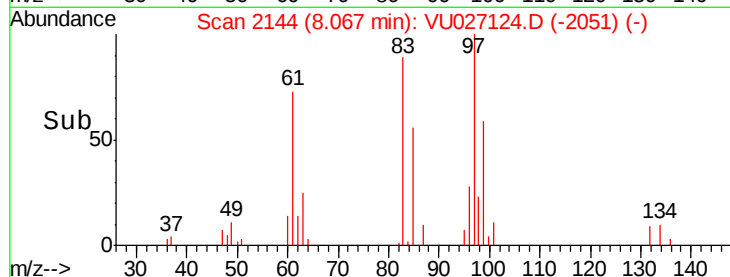
Abundance

Ion 97.00 (96.70 to 97.70): VU027124.D (-2132) (-)

Ion 99.00 (98.70 to 99.70): VU027124.D (-2132) (-)

Ion 83.00 (82.70 to 83.70): VU027124.D (-2132) (-)

Ion 85.00 (84.70 to 85.70): VU027124.D (-2132) (-)



#46

Tetrachloroethene

Concen: 9.563 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Tgt Ion: 164 Resp: 8829

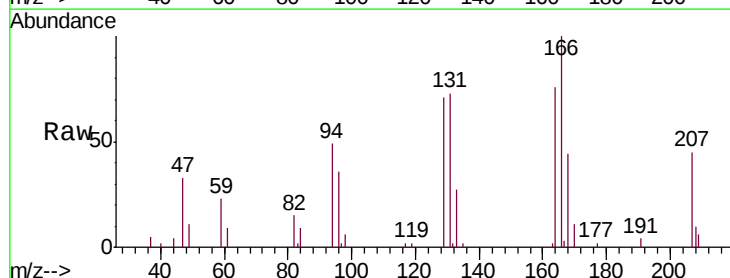
Ion Ratio Lower Upper

164 100

129 94.0 67.8 125.8

131 95.7 66.4 123.2

166 131.4 90.4 167.8



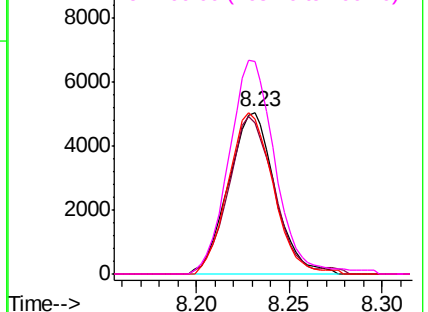
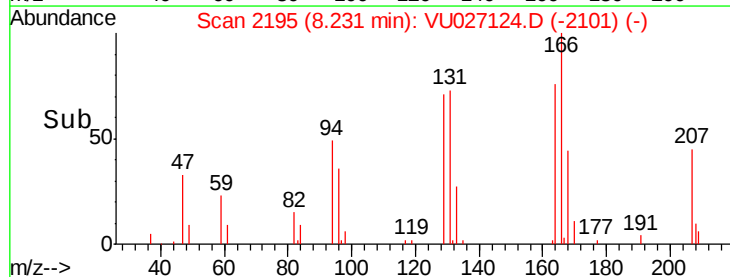
Abundance

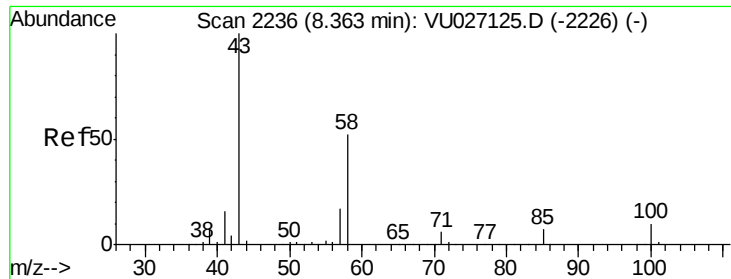
Ion 164.00 (163.70 to 164.70): VU027124.D (-2181) (-)

Ion 129.00 (128.70 to 129.70): VU027124.D (-2181) (-)

Ion 131.00 (130.70 to 131.70): VU027124.D (-2181) (-)

Ion 166.00 (165.70 to 166.70): VU027124.D (-2181) (-)

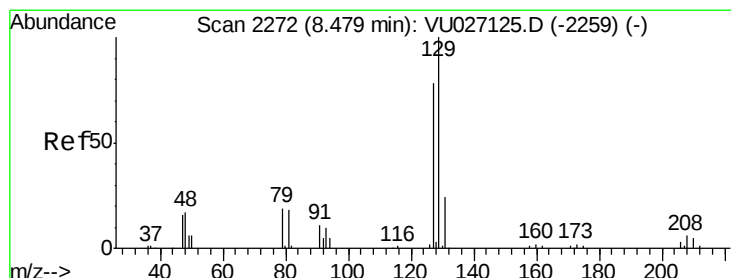
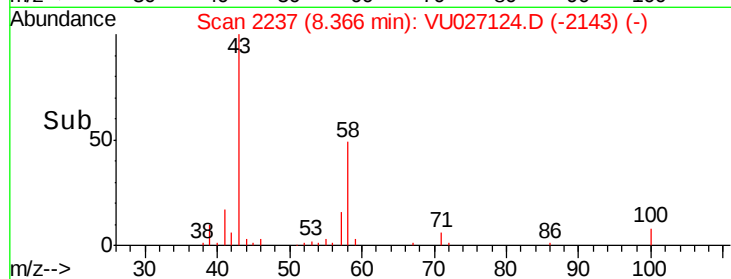
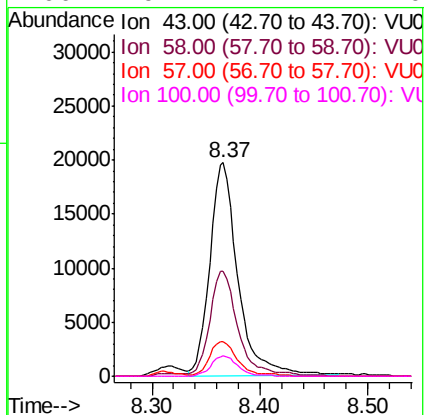
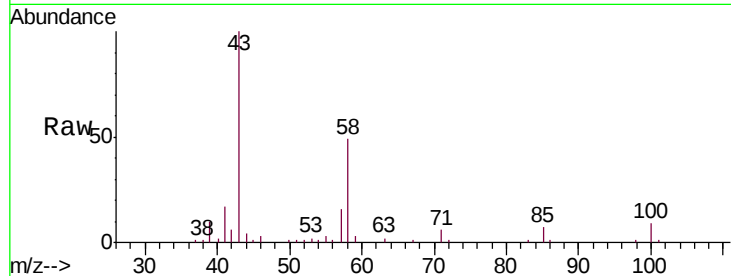




#48
2-Hexanone
Concen: 17.607 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

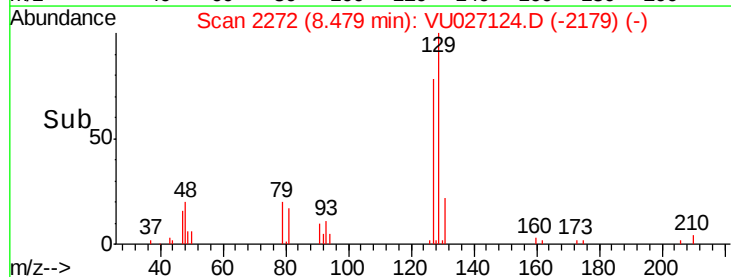
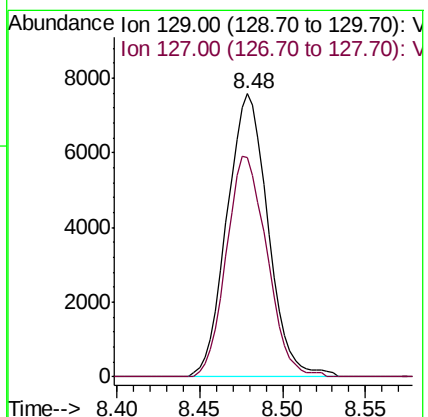
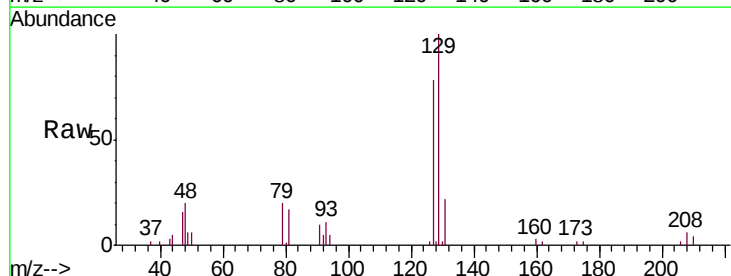
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

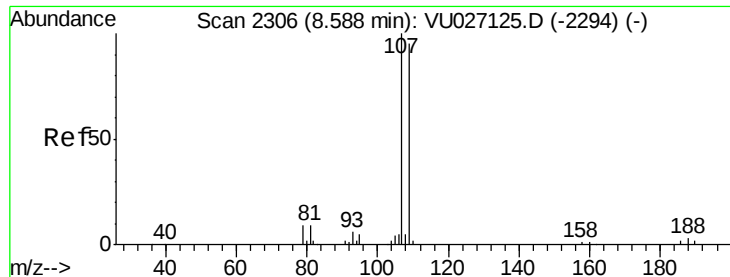
Tgt Ion: 43 Resp: 35668
Ion Ratio Lower Upper
43 100
58 47.3 41.9 62.9
57 15.8 13.8 20.8
100 9.2 7.4 11.0



#49
Dibromochloromethane
Concen: 9.557 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

Tgt Ion: 129 Resp: 13073
Ion Ratio Lower Upper
129 100
127 77.7 54.7 101.5

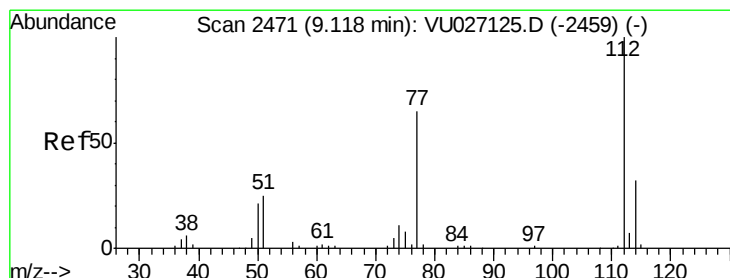
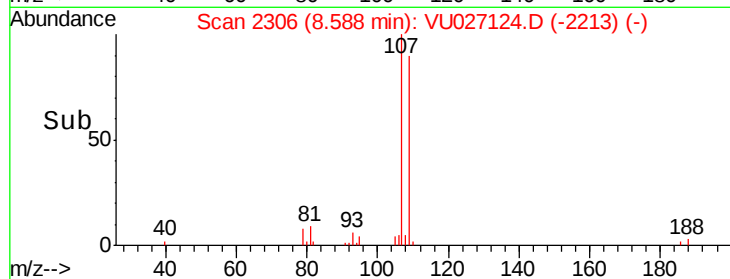
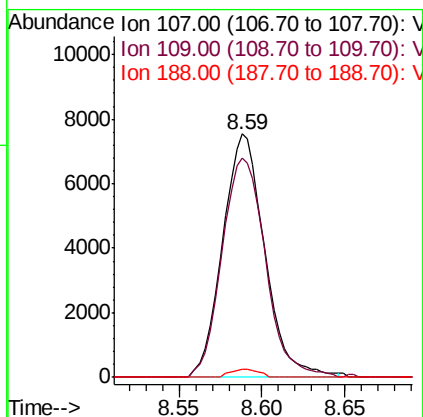
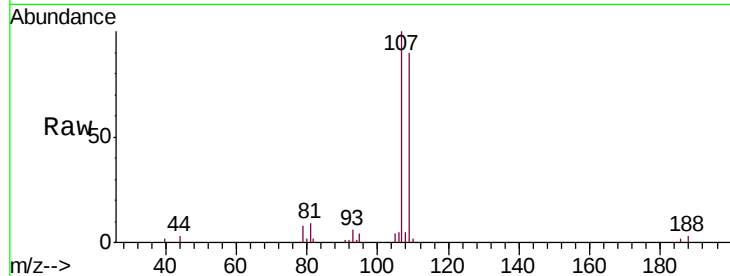




#50
1,2-Dibromoethane
Concen: 9.680 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

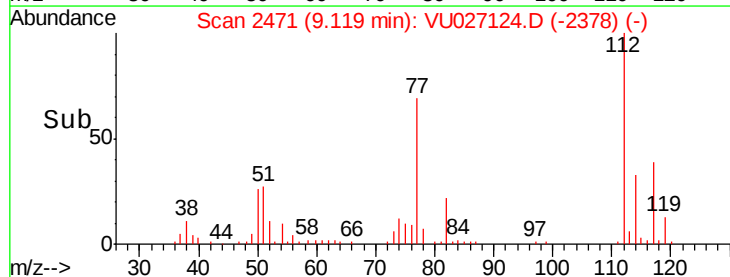
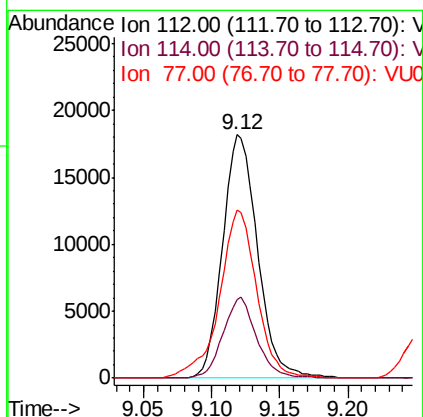
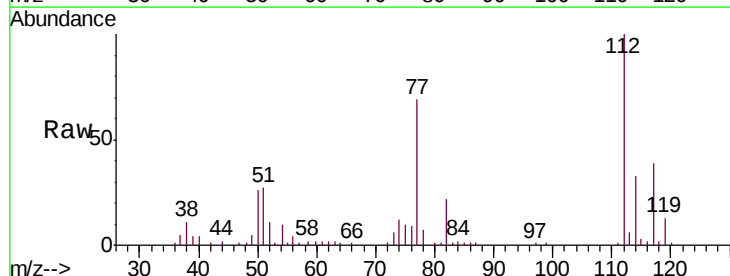
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

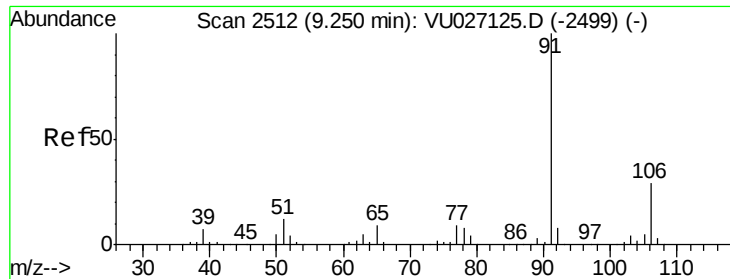
Tgt Ion:107 Resp: 13328
Ion Ratio Lower Upper
107 100
109 90.0 66.8 124.0
188 3.3 2.7 4.1



#51
Chlorobenzene
Concen: 9.416 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

Tgt Ion:112 Resp: 32418
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 68.9 52.9 79.3





#52

Ethylbenzene

Concen: 8.756 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

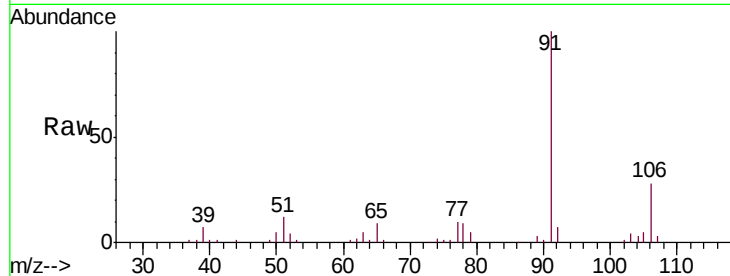
VSTD01051

Tgt Ion: 91 Resp: 52038

Ion Ratio Lower Upper

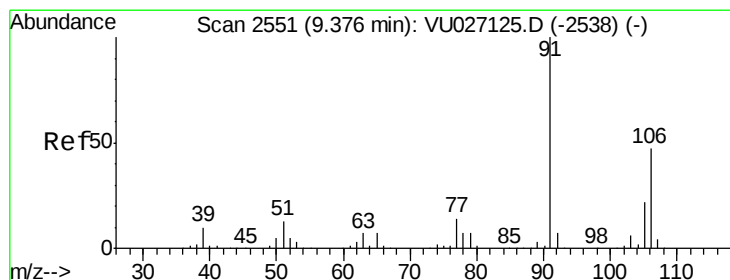
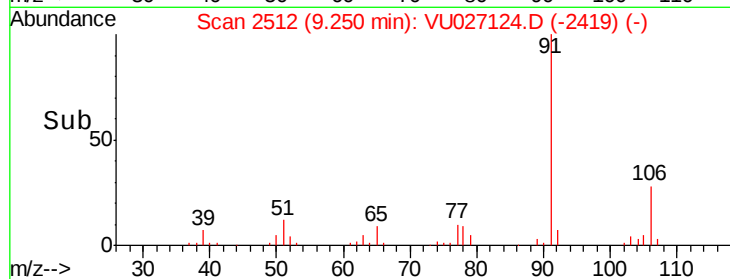
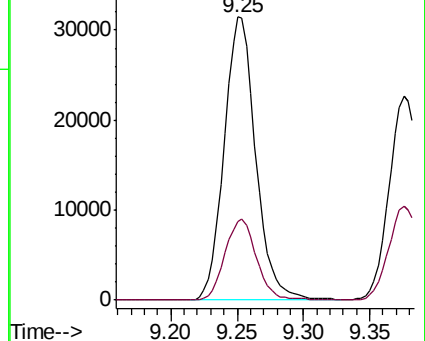
91 100

106 27.7 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU027124.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU027124.D (-2499) (-)



#53

m,p-Xylene

Concen: 8.711 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027124.D

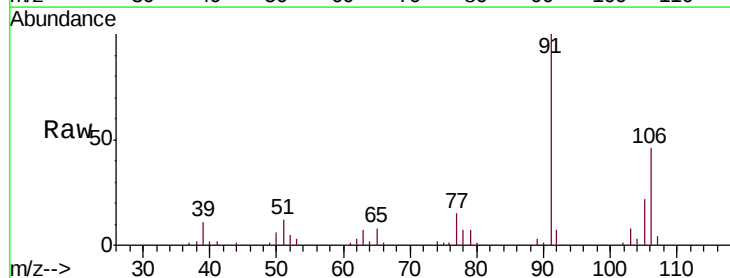
Acq: 25 Sep 2018 11:10

Tgt Ion: 106 Resp: 18431

Ion Ratio Lower Upper

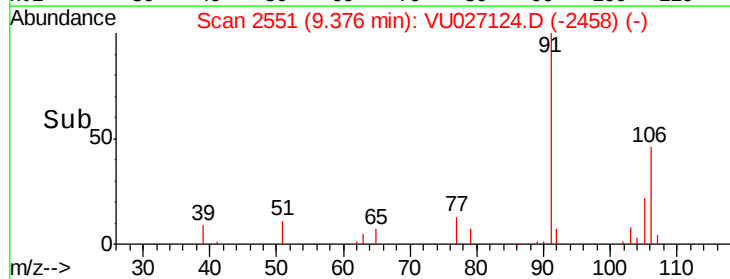
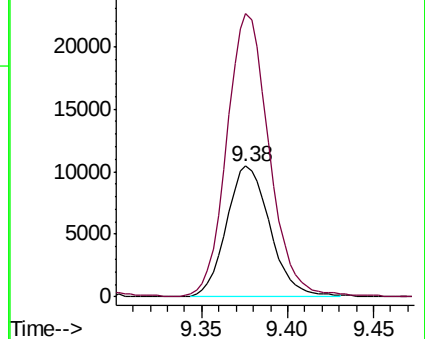
106 100

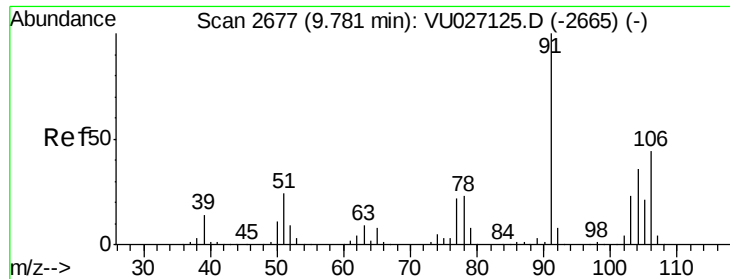
91 216.7 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): VU027124.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU027124.D (-2538) (-)

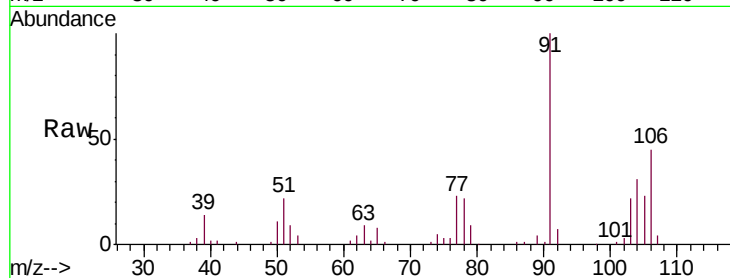




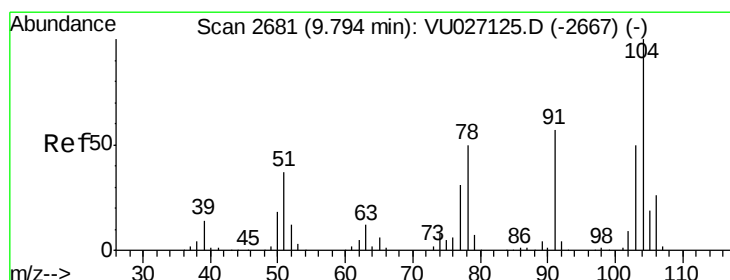
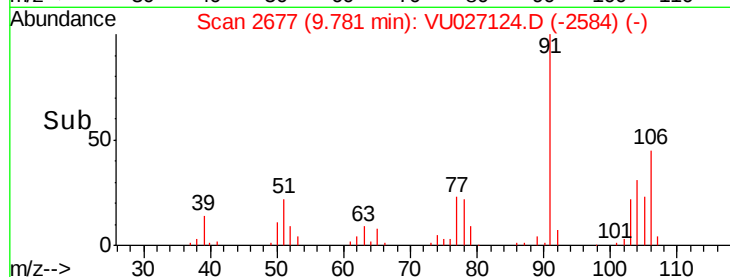
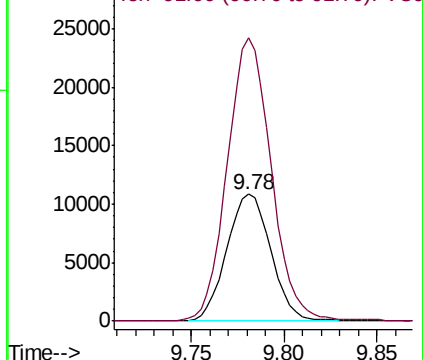
#54
o-xylene
Concen: 8.668 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tgt Ion:106 Resp: 17967
Ion Ratio Lower Upper
106 100
91 223.5 159.4 296.0

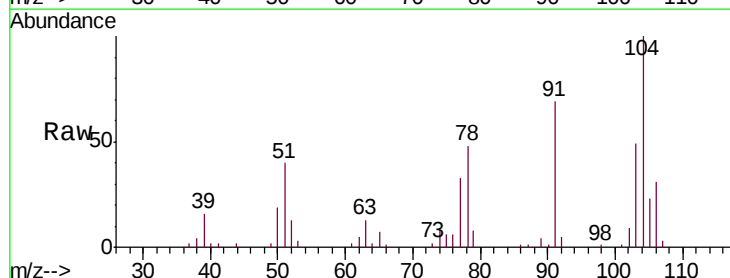


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

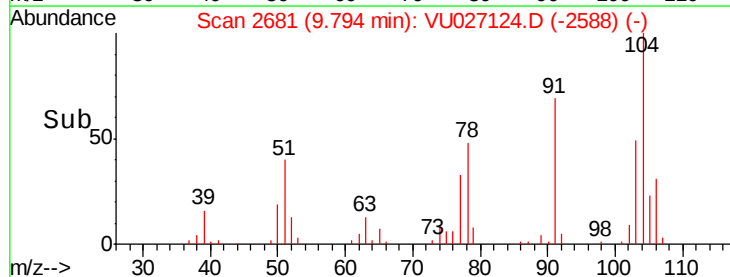
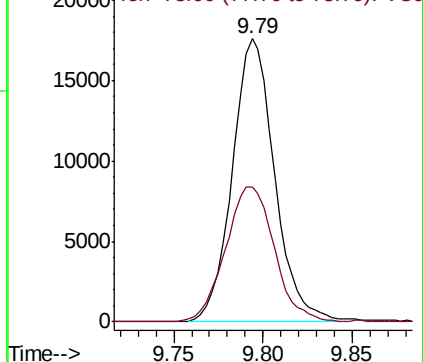


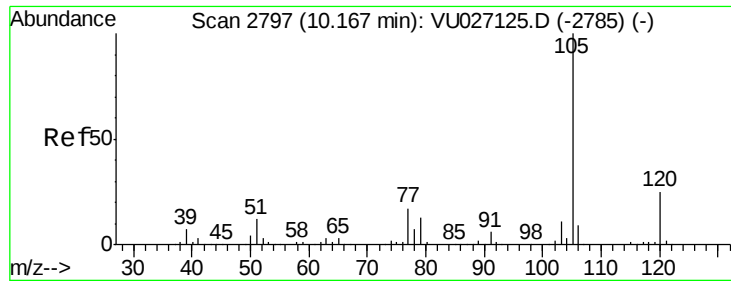
#55
Styrene
Concen: 8.165 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027124.D
Acq: 25 Sep 2018 11:10

Tgt Ion:104 Resp: 29017
Ion Ratio Lower Upper
104 100
78 47.9 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 8.344 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

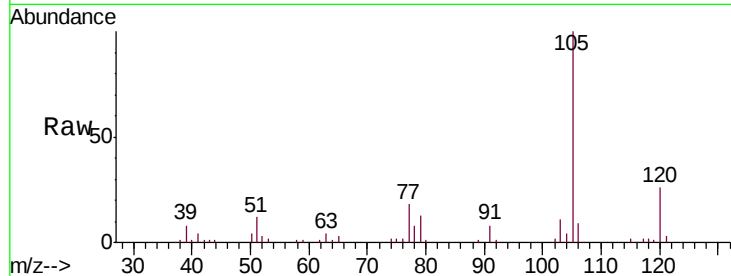
Tgt Ion: 105 Resp: 45152

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

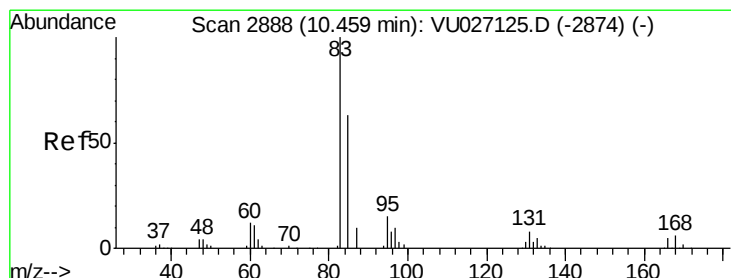
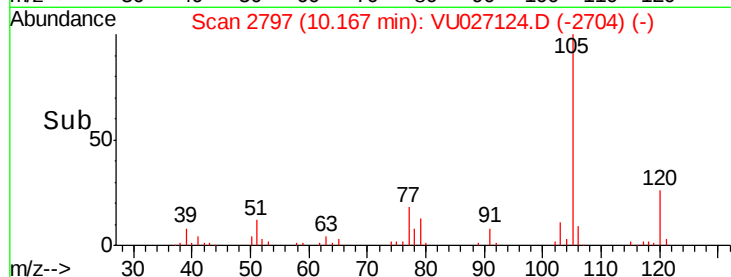
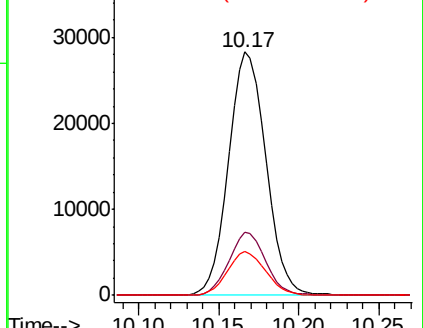
77 18.2 13.9 20.9



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: 9.422 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

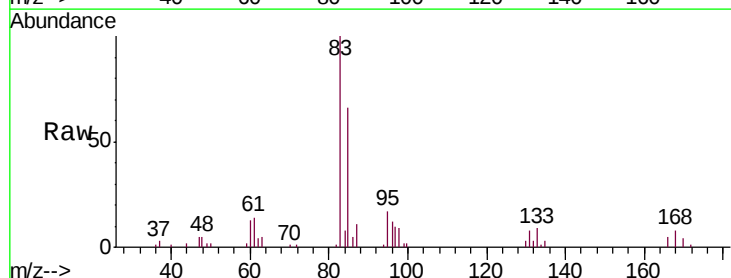
Tgt Ion: 83 Resp: 23038

Ion Ratio Lower Upper

83 100

85 65.8 44.1 81.9

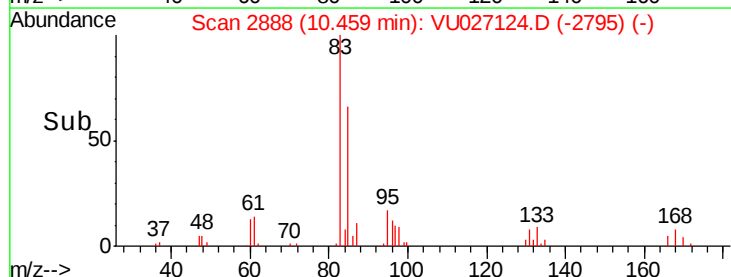
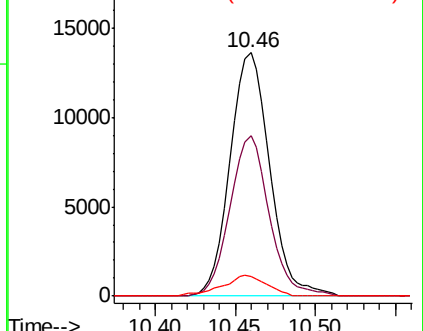
131 8.1 6.8 10.2

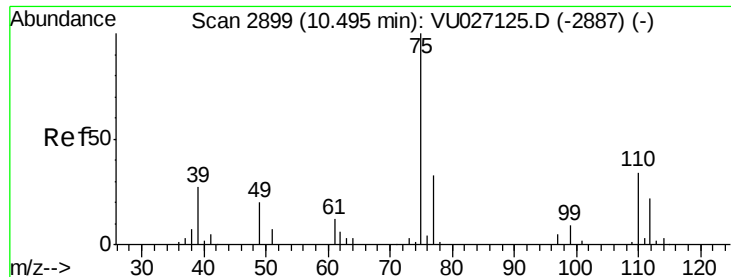


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

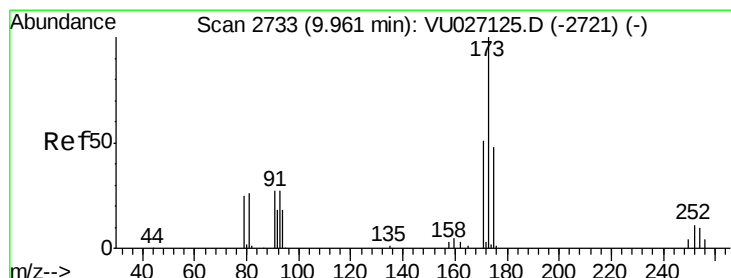
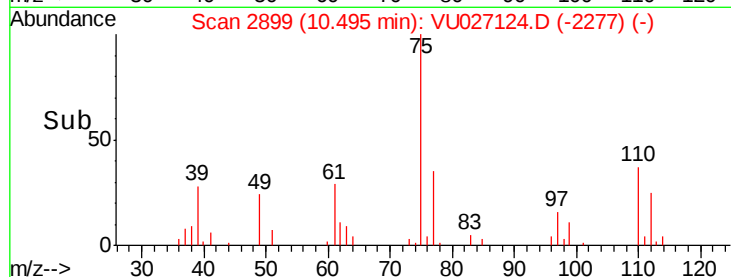
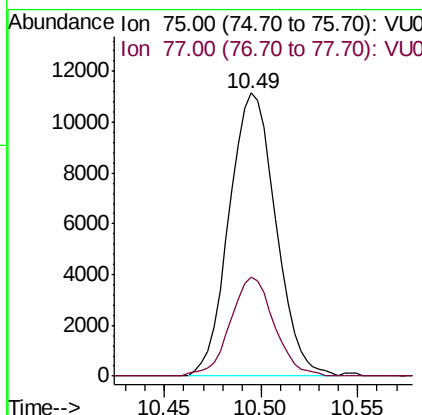
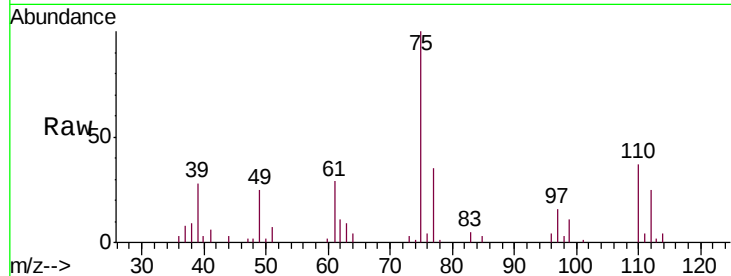




#59
 1,2,3-Trichloropropane
 Concen: 9.478 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

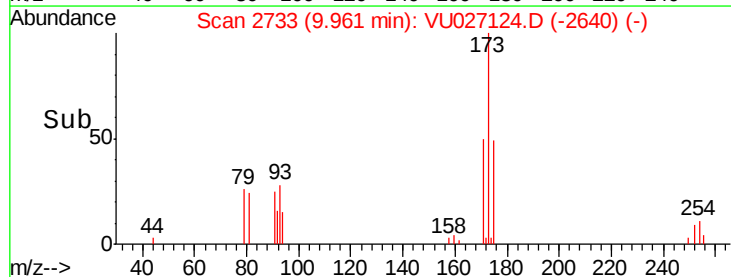
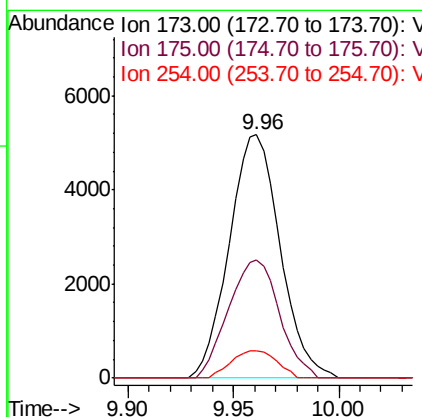
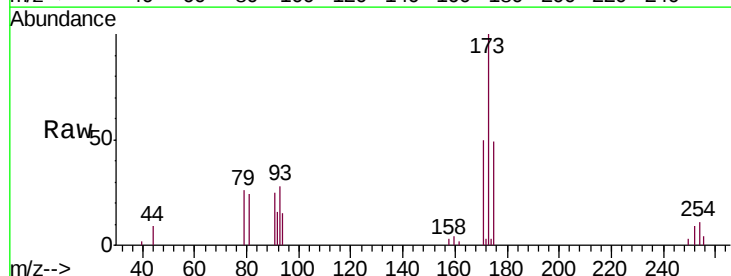
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

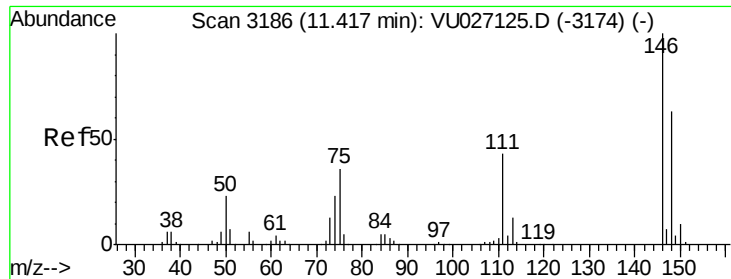
Tgt Ion: 75 Resp: 18723
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.6 38.4



#61
 Bromoform
 Concen: 10.014 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

Tgt Ion: 173 Resp: 8677
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.1 57.1
 254 9.9 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 9.415 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

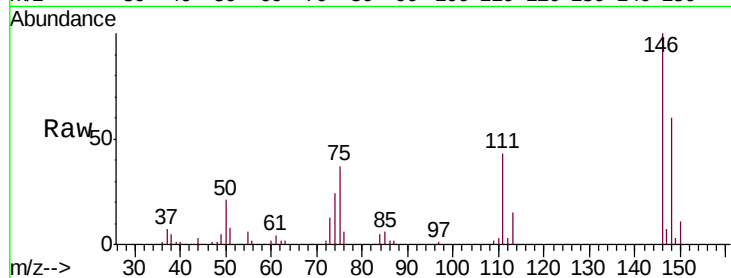
Tgt Ion:146 Resp: 19750

Ion Ratio Lower Upper

146 100

111 43.3 30.0 55.6

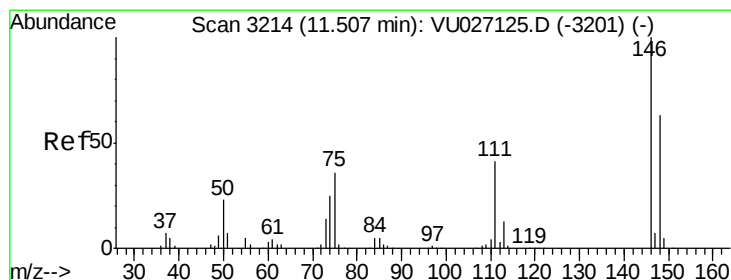
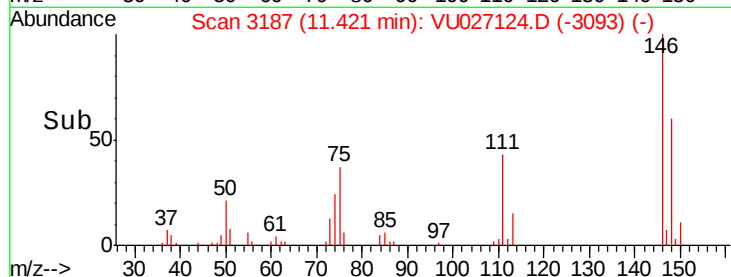
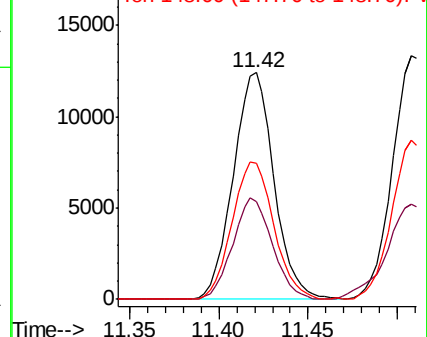
148 60.3 43.9 81.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.718 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

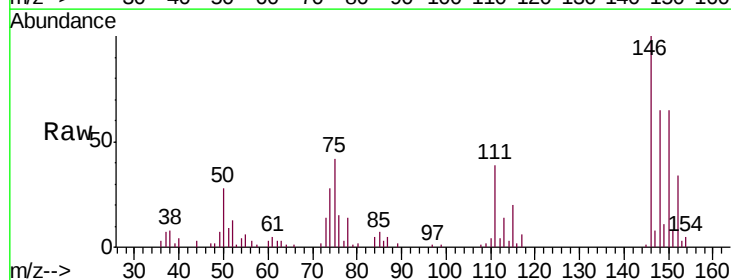
Tgt Ion:146 Resp: 21628

Ion Ratio Lower Upper

146 100

111 39.2 28.5 52.9

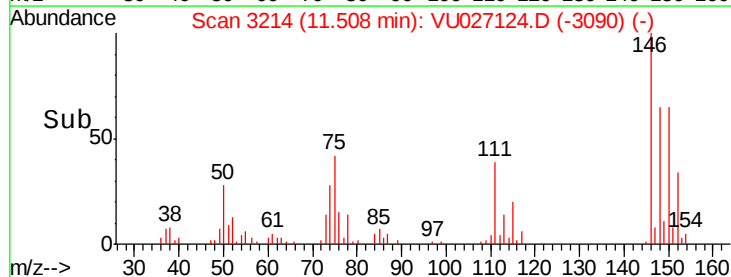
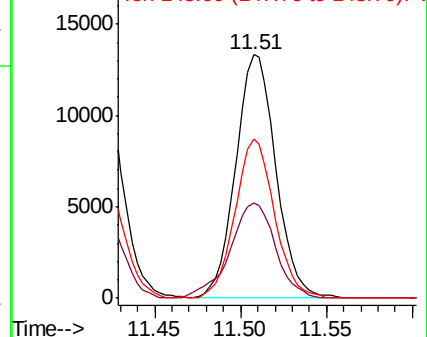
148 65.1 43.8 81.4

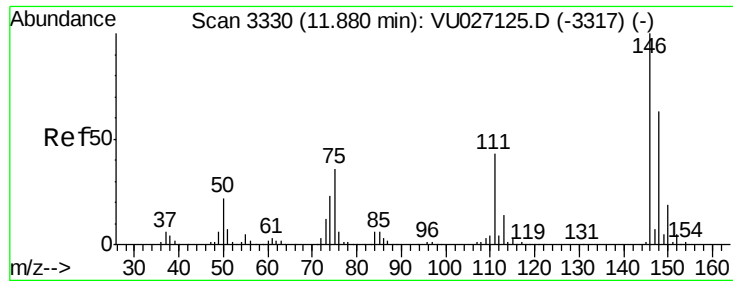


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

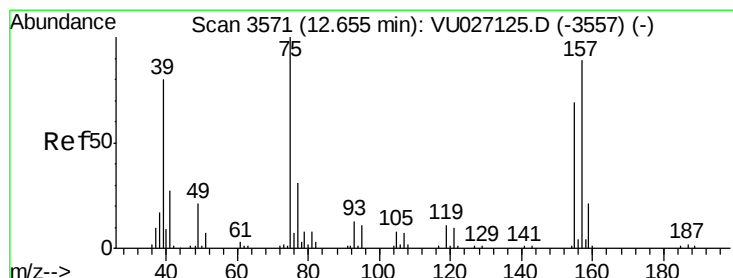
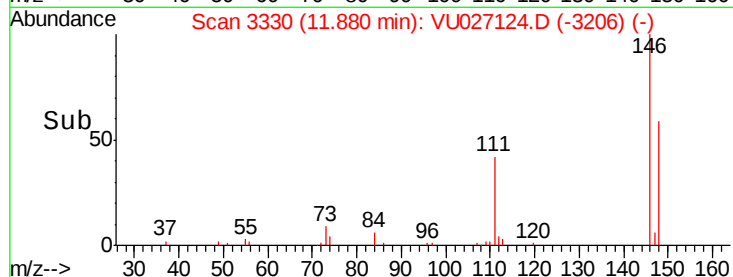
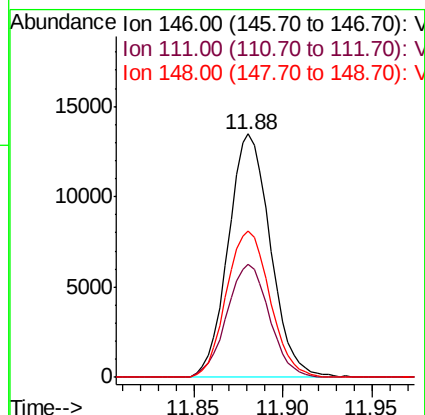
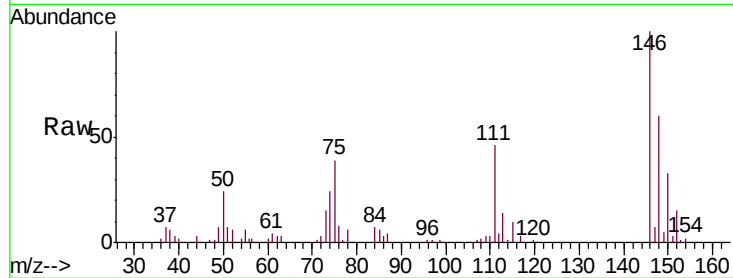




#65
 1,2-Dichlorobenzene
 Concen: 9.760 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

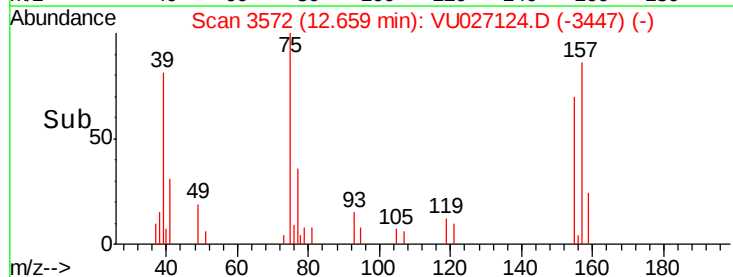
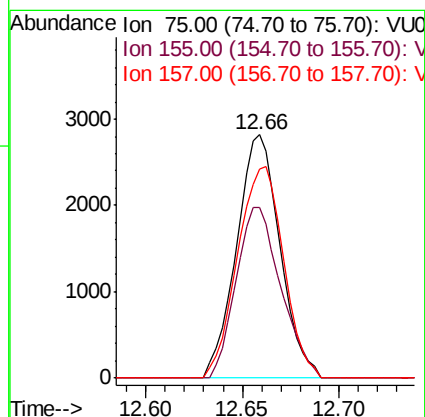
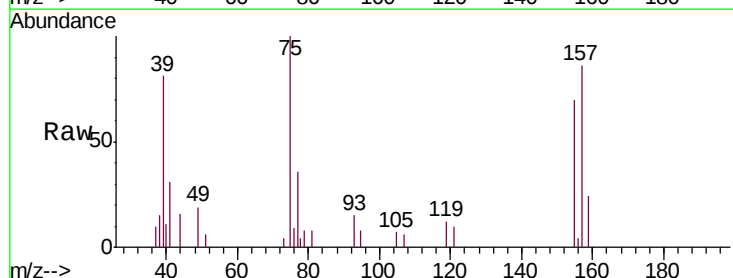
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

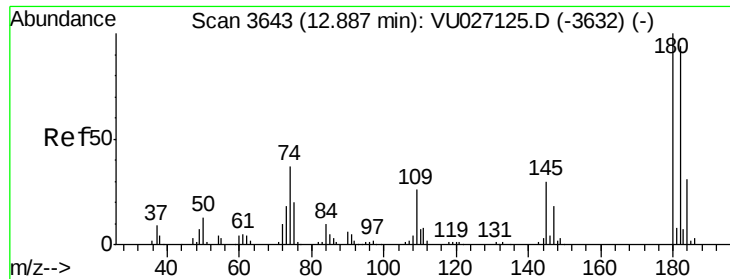
Tgt Ion: 146 Resp: 22111
 Ion Ratio Lower Upper
 146 100
 111 46.4 34.3 51.5
 148 59.9 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.568 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

Tgt Ion: 75 Resp: 4399
 Ion Ratio Lower Upper
 75 100
 155 69.9 54.9 82.3
 157 86.0 70.9 106.3

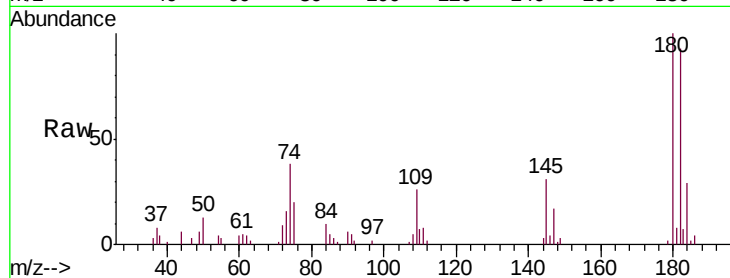




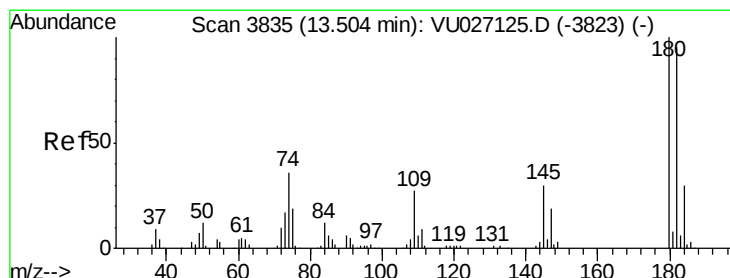
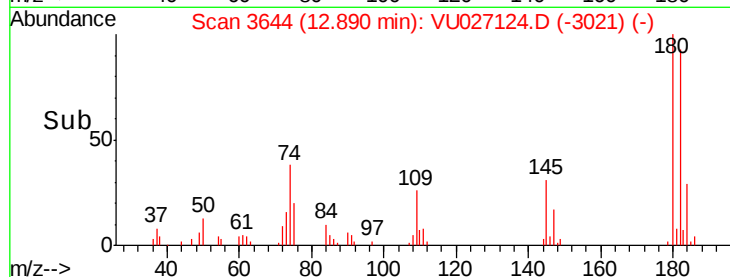
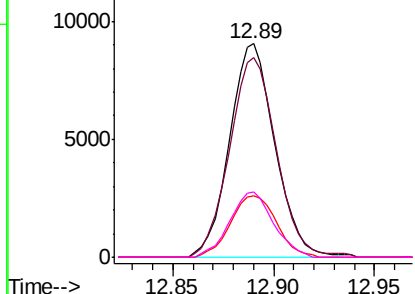
#67
 1,3,5-Trichlorobenzene
 Concen: 9.304 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tgt Ion:	180	Resp:	14246
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.3	114.5
184	29.2	24.6	37.0
145	29.4	23.6	35.4

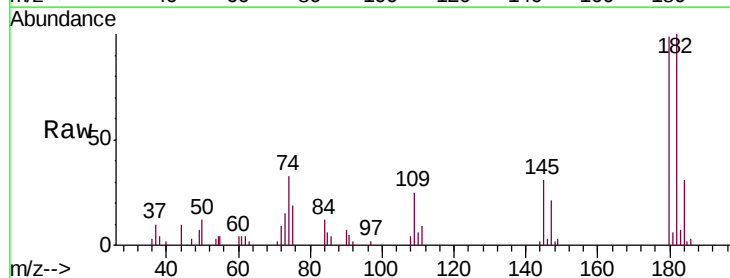


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

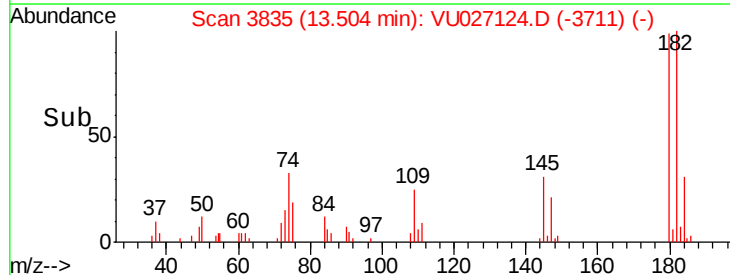
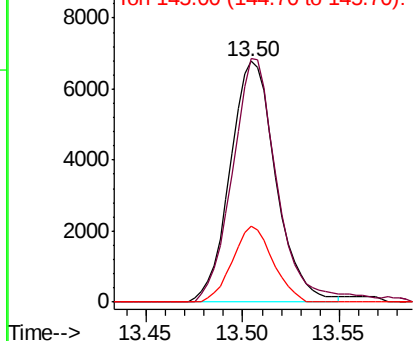


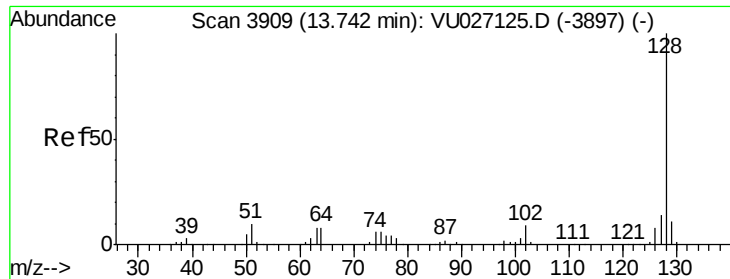
#68
 1,2,4-trichlorobenzene
 Concen: 8.591 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027124.D
 Acq: 25 Sep 2018 11:10

Tgt Ion:	180	Resp:	11191
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.4	114.6
145	27.6	24.3	36.5



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





#69

Naphthalene

Concen: 7.241 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

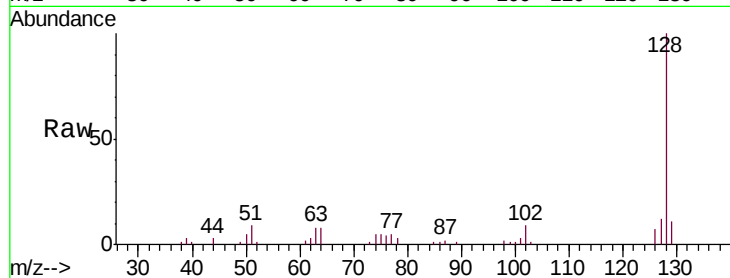
Tgt Ion:128 Resp: 32029

Ion Ratio Lower Upper

128 100

127 12.7 10.7 16.1

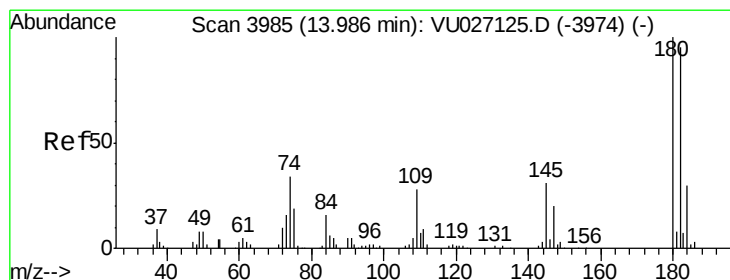
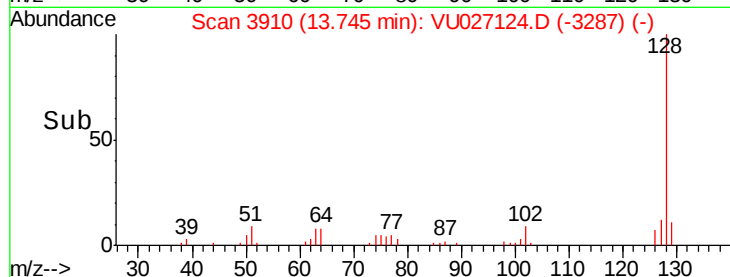
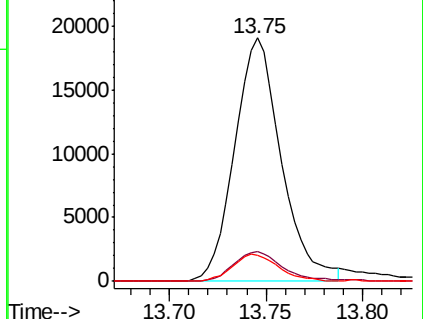
129 11.0 8.6 13.0



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: 8.754 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027124.D

Acq: 25 Sep 2018 11:10

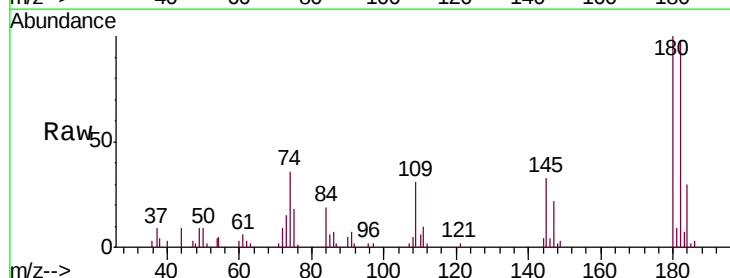
Tgt Ion:180 Resp: 12528

Ion Ratio Lower Upper

180 100

182 97.2 77.0 115.4

145 32.1 25.6 38.4



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

