

Data File : VU027123.D
Acq On : 25 Sep 2018 10:34
Operator : MD/SY
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Quant Time: Sep 26 01:43:32 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	133205	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	125936	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48946	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	5620	4.74	ug/L	0.00
7) Chloroethane-d5	1.68	69	4496	4.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	10671	4.73	ug/L	0.00
21) 2-Butanone-d5	4.19	46	7972	8.27	ug/L	0.00
24) Chloroform-d	4.65	84	9556	5.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	6940	5.15	ug/L	0.00
32) Benzene-d6	5.35	84	17899	4.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	6756	5.09	ug/L	0.00
41) Toluene-d8	7.57	98	13976	4.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2514	4.24	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	4433	6.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	8346	4.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4972	4.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	5811	4.467 ug/L	98
3) Chloromethane	1.33	50	7372	4.459 ug/L	100
5) Vinyl chloride	1.40	62	6605	4.256 ug/L	98
6) Bromomethane	1.63	94	2577	3.898 ug/L	92
8) Chloroethane	1.70	64	4203	4.649 ug/L	100
9) Trichlorofluoromethane	1.89	101	7348	4.446 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4337	4.571 ug/L	98
12) 1,1-Dichloroethene	2.29	96	3746	4.263 ug/L	90
13) Acetone	2.32	43	8463	9.510 ug/L	98
14) Carbon disulfide	2.48	76	12816	4.191 ug/L	100
15) Methyl Acetate	2.62	43	7392	4.572 ug/L	93
16) Methylene chloride	2.70	84	5141	4.553 ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	3944	4.117 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	13169	3.945 ug/L	100
19) 1,1-Dichloroethane	3.45	63	9319	4.233 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	4297	3.986 ug/L	81
22) 2-Butanone	4.27	43	9094	7.834 ug/L	94
23) Bromochloromethane	4.55	128	1983	3.911 ug/L	94
25) Chloroform	4.67	83	8743	4.235 ug/L	97
27) 1,2-Dichloroethane	5.41	62	7310	4.267 ug/L	97
29) Cyclohexane	5.00	56	6857	3.703 ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	6851	4.346 ug/L	97
31) Carbon tetrachloride	5.14	117	5601	4.194 ug/L	99
33) Benzene	5.39	78	17182	4.066 ug/L	100
34) Trichloroethene	6.19	95	4030	4.088 ug/L	95
35) Methylcyclohexane	6.42	83	6311	3.798 ug/L	97
37) 1,2-Dichloropropane	6.43	63	5580	4.306 ug/L	95
38) Bromodichloromethane	6.76	83	6198	4.211 ug/L	97
39) cis-1,3-Dichloropropene	7.28	75	6451	3.699 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	13079	6.880 ug/L	95

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Quant Time: Sep 26 01:43:32 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)
42) Toluene	7.64	91	14622	3.508	ug/L	93
44) trans-1,3-Dichloropropene	7.88	75	5723	3.396	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	4369	4.255	ug/L	97
46) Tetrachloroethene	8.23	164	2918	4.127	ug/L	92
48) 2-Hexanone	8.37	43	10646	6.863	ug/L	94
49) Dibromochloromethane	8.48	129	3978	3.797	ug/L	96
50) 1,2-Dibromoethane	8.59	107	4106	3.894	ug/L #	96
51) Chlorobenzene	9.12	112	10833	4.109	ug/L	97
52) Ethylbenzene	9.25	91	15503	3.406	ug/L	99
53) m,p-Xylene	9.38	106	5249	3.239	ug/L	100
54) o-xylene	9.78	106	4907	3.092	ug/L	80
55) Styrene	9.80	104	8050	2.958	ug/L	92
56) Isopropylbenzene	10.17	105	12640	3.050	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	7679	4.101	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	6727	4.447	ug/L	99
61) Bromoform	9.96	173	3023	4.809	ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	5977	3.928	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	6802	4.213	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	6588	4.009	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	1545	4.632	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	4107	3.697	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	3147	3.330	ug/L	97
69) Naphthalene	13.75	128	8424	2.625	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.99	180	3773	3.634	ug/L	89

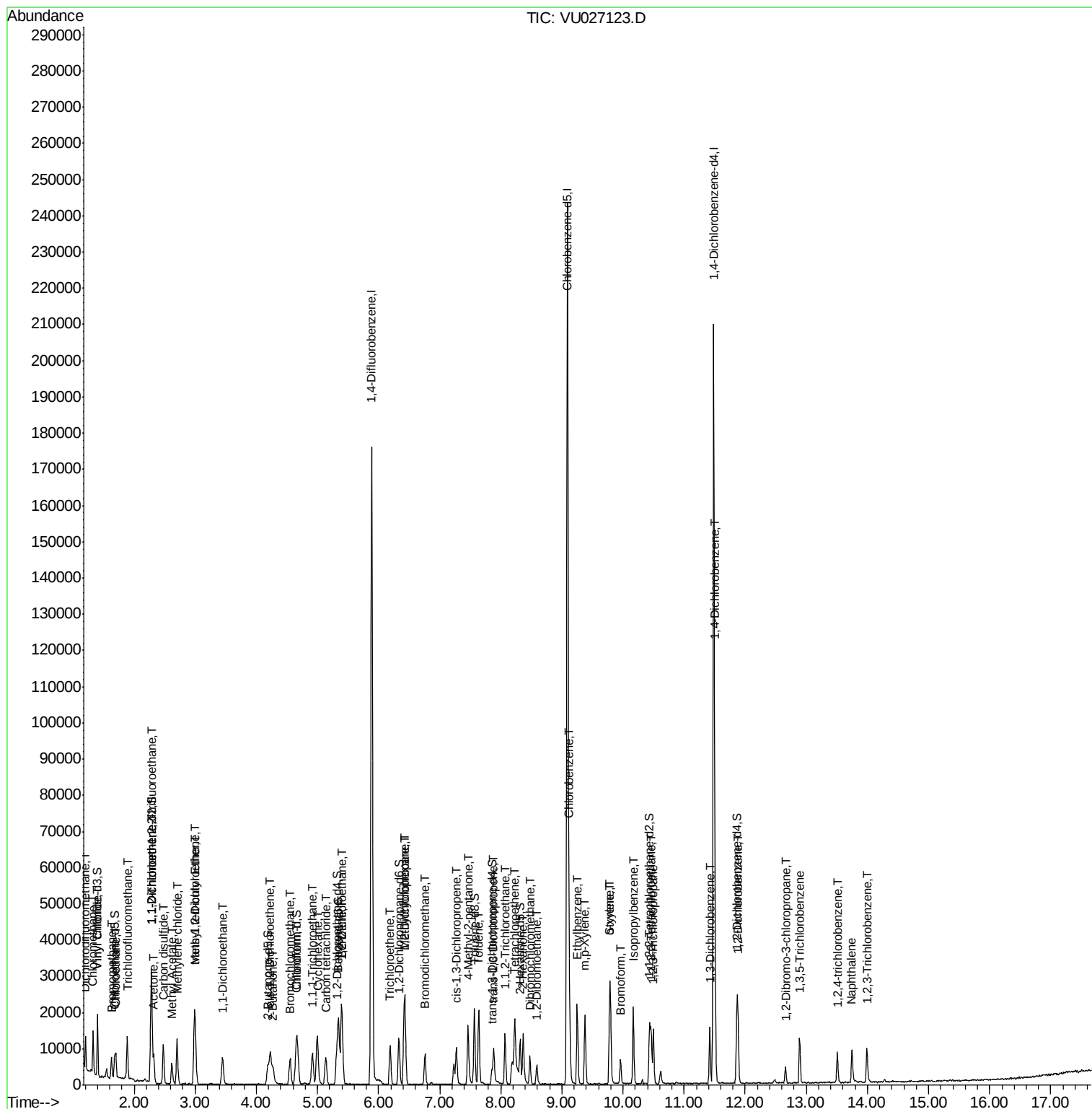
(#) = qualifier out of range (m) = manual integration (+) = signals summed

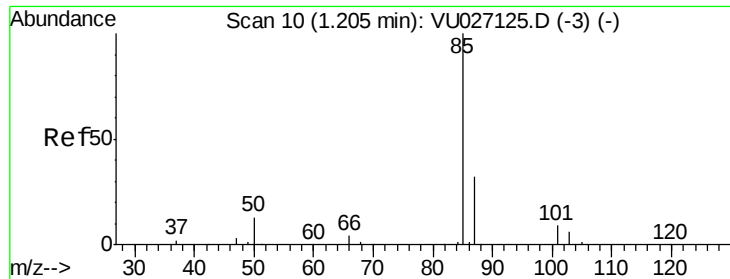
Data File : VU027123.D

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Acq On       : 25 Sep 2018   10:34
Operator     : MD/SY
Sample       : VSTDIC005
Misc         : 5.0mL/MSV0A_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Quant Time: Sep 26 01:43:32 2018
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
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#2

Dichlorodifluoromethane

Concen: 4.467 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

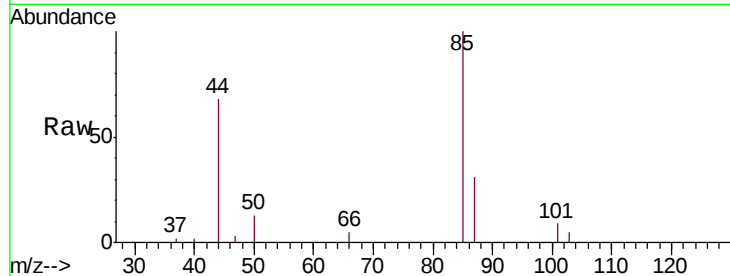
VSTD00550

Tgt Ion: 85.00 Resp: 5811

Ion Ratio Lower Upper

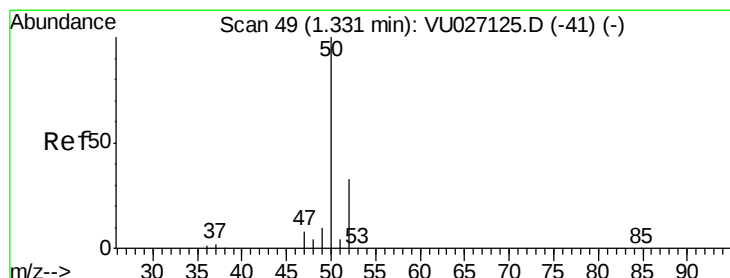
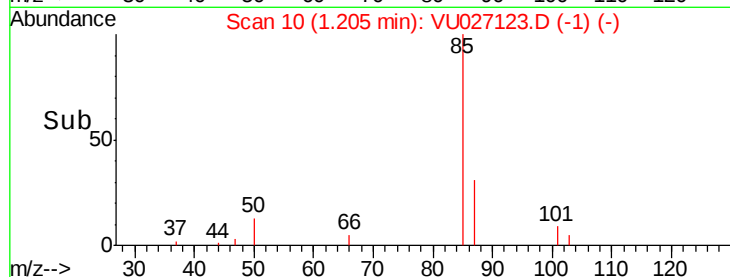
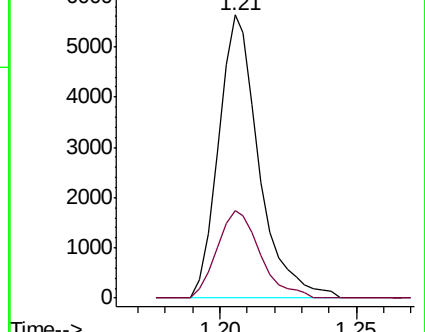
85 100

87 33.1 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU027123.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU027123.D (-3) (-)



#3

Chloromethane

Concen: 4.459 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027123.D

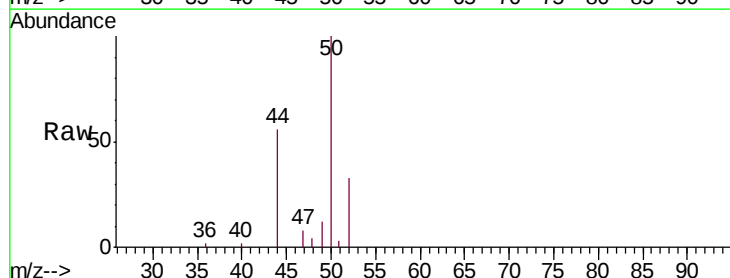
Acq: 25 Sep 2018 10:34

Tgt Ion: 50.00 Resp: 7372

Ion Ratio Lower Upper

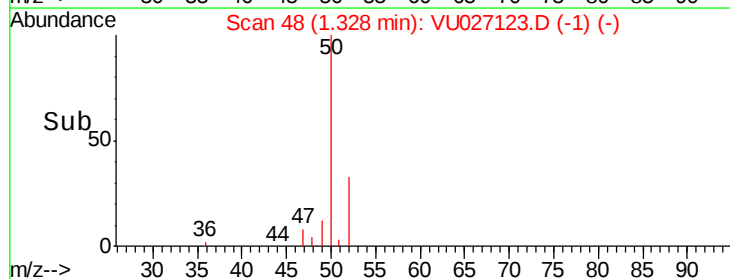
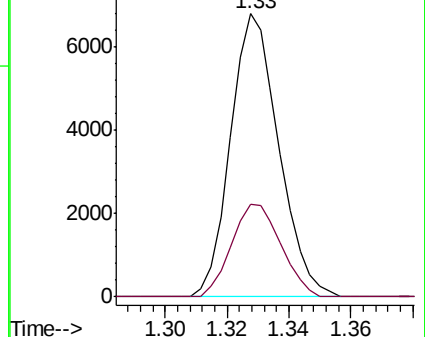
50 100

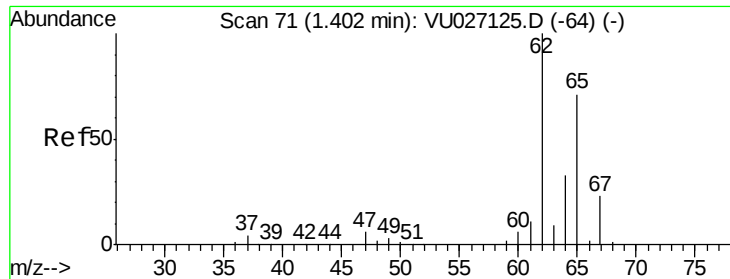
52 32.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU027123.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU027123.D (-41) (-)





#5

Vinyl chloride

Concen: 4.256 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

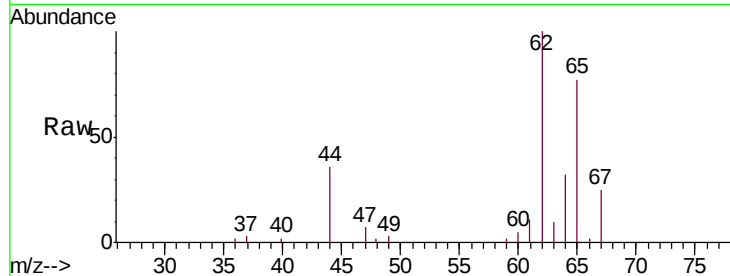
VSTD00550

Tgt Ion: 62 Resp: 6605

Ion Ratio Lower Upper

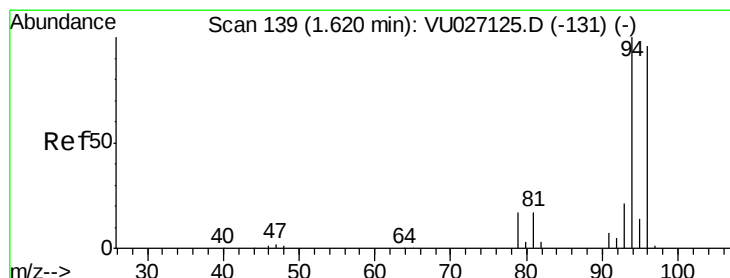
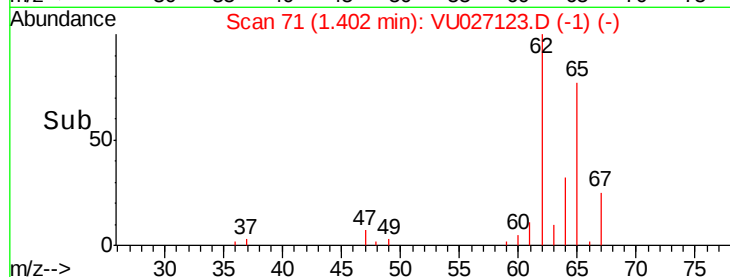
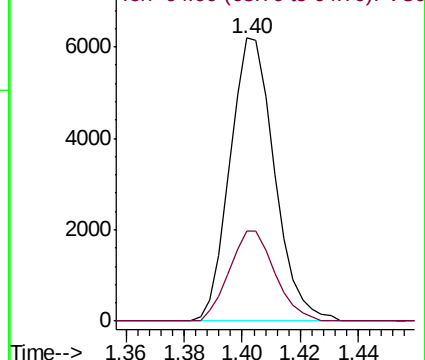
62 100

64 31.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 3.898 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU027123.D

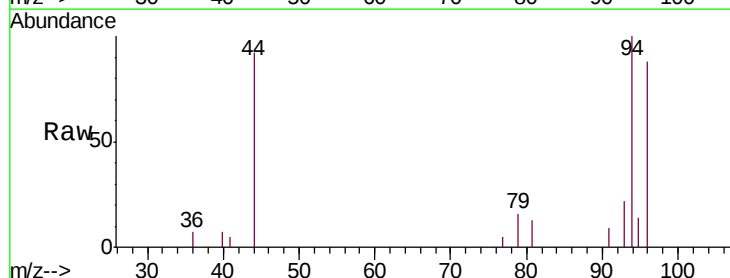
Acq: 25 Sep 2018 10:34

Tgt Ion: 94 Resp: 2577

Ion Ratio Lower Upper

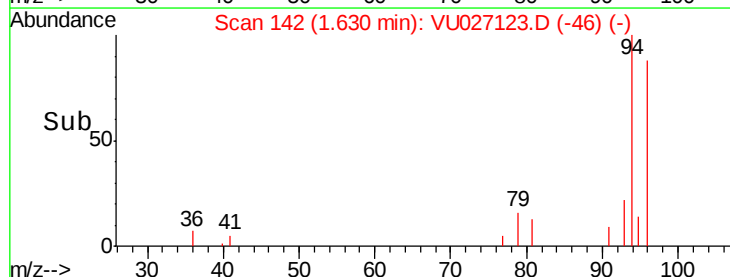
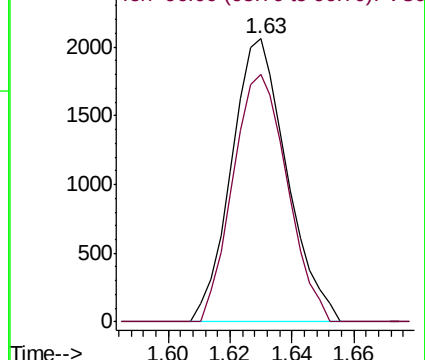
94 100

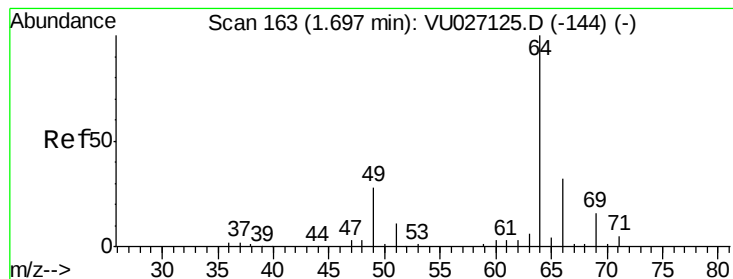
96 87.7 67.1 124.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.649 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

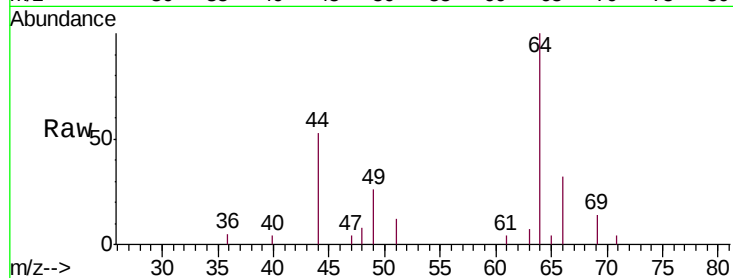
VSTD00550

Tgt Ion: 64 Resp: 4203

Ion Ratio Lower Upper

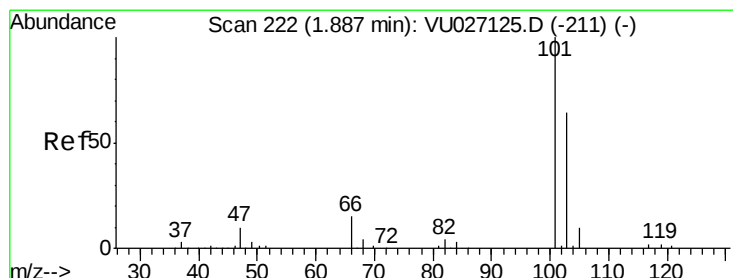
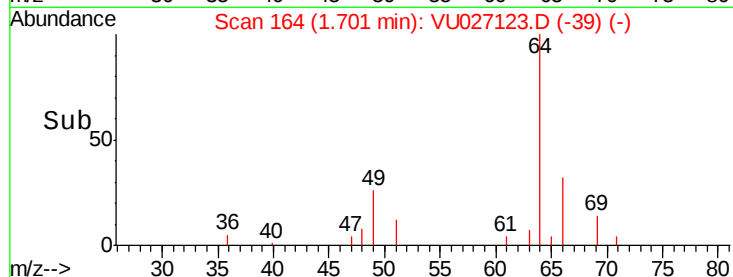
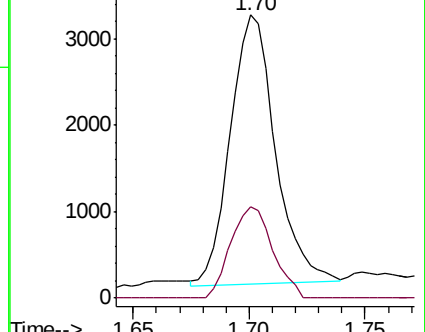
64 100

66 32.2 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU027123.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VU027123.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 4.446 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027123.D

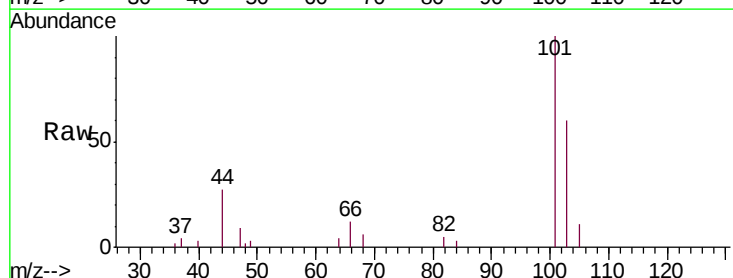
Acq: 25 Sep 2018 10:34

Tgt Ion: 101 Resp: 7348

Ion Ratio Lower Upper

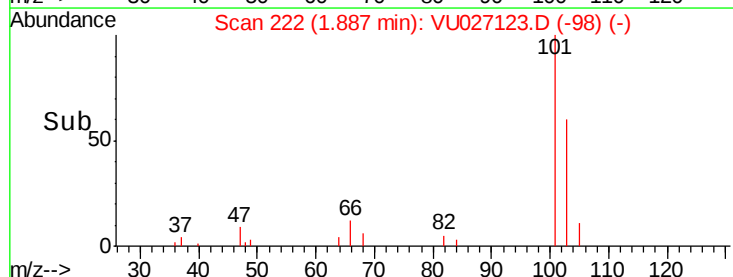
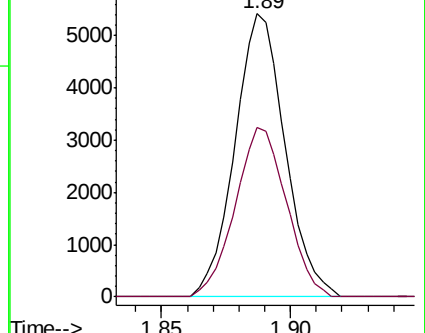
101 100

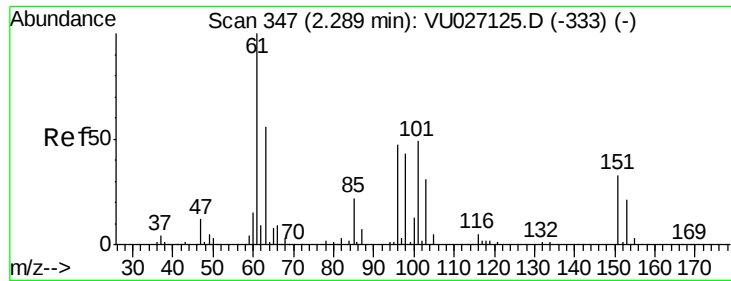
103 61.1 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU027123.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU027123.D (-211) (-)





#10

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

Concen: 4.571 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

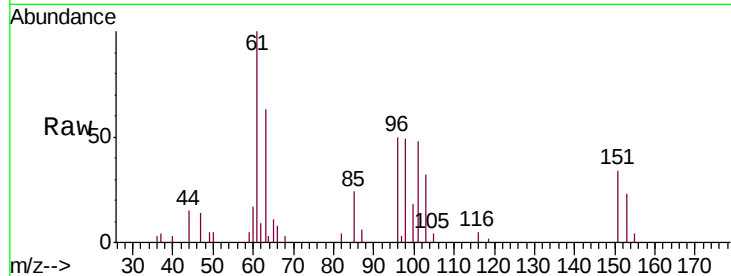
Tgt Ion:101 Resp: 4337

Ion Ratio Lower Upper

101 100

85 44.6 37.0 55.6

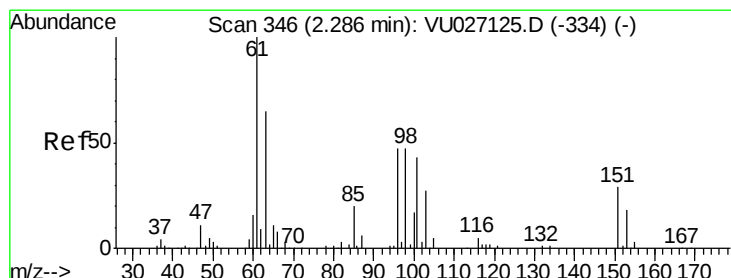
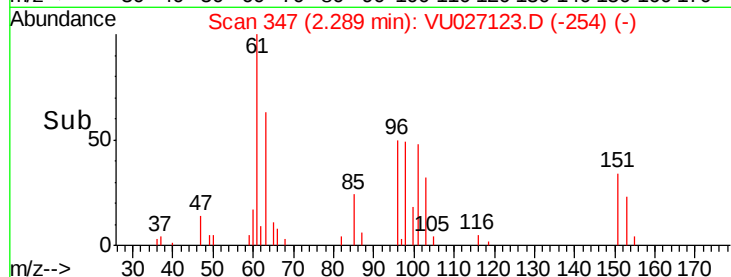
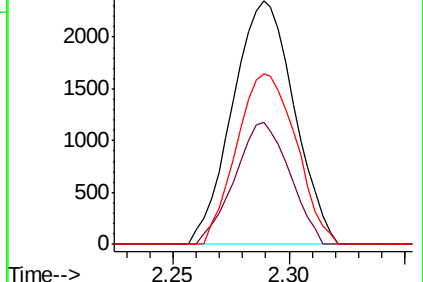
151 67.7 53.5 80.3



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: 4.263 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

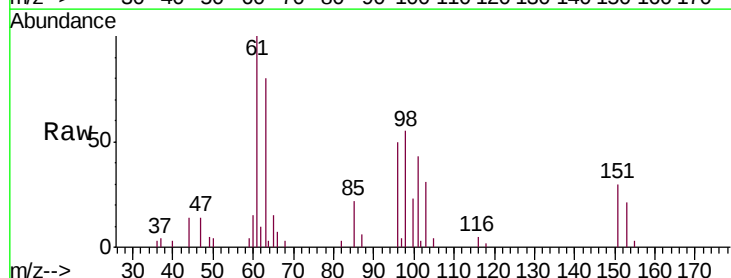
Tgt Ion: 96 Resp: 3746

Ion Ratio Lower Upper

96 100

61 201.5 150.0 278.6

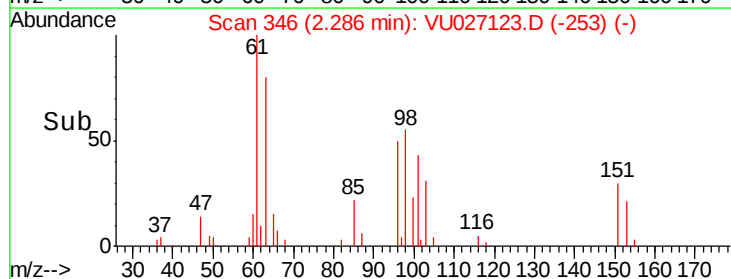
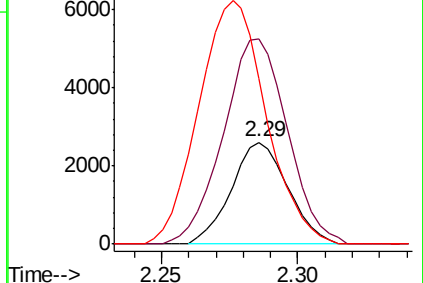
63 161.9 101.8 189.0

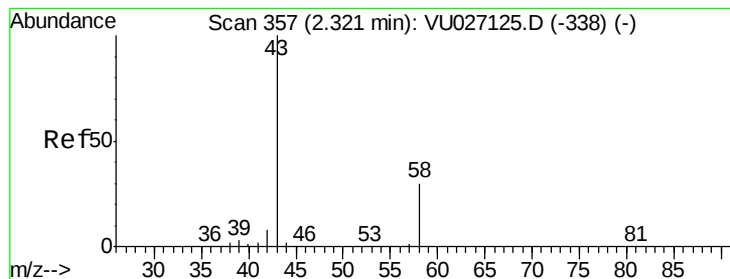


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.510 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

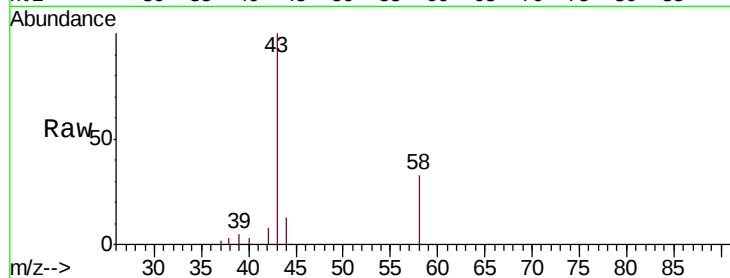
VSTD00550

Tgt Ion: 43 Resp: 8463

Ion Ratio Lower Upper

43 100

58 30.8 0.0 59.6



Abundance Ion 43.00 (42.70 to 43.70): VU027125.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU027125.D (-338) (-)

2.32

5000

4000

3000

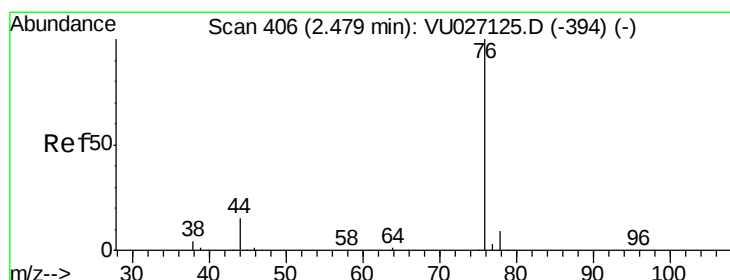
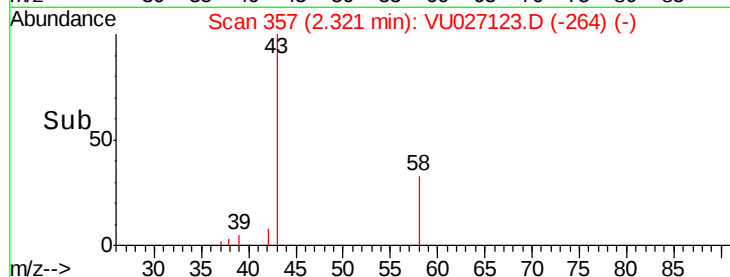
2000

1000

0

Time-->

2.30 2.35



#14

Carbon disulfide

Concen: 4.191 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027123.D

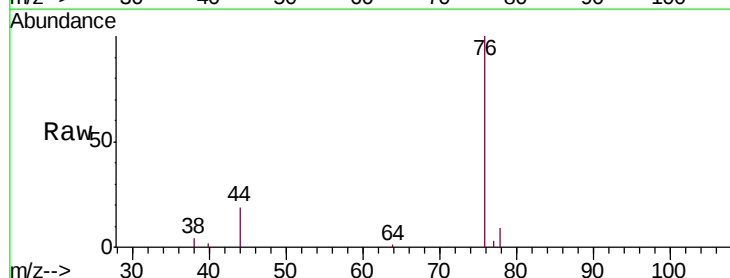
Acq: 25 Sep 2018 10:34

Tgt Ion: 76 Resp: 12816

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU027125.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027125.D (-394) (-)

2.48

8000

6000

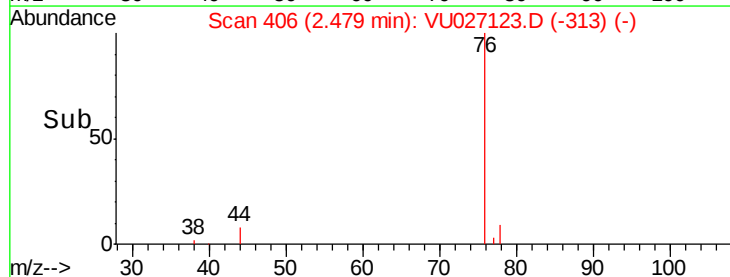
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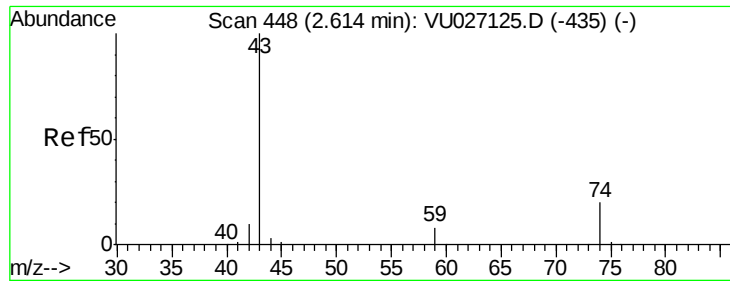
2000

0

Time-->

2.45 2.50 2.55

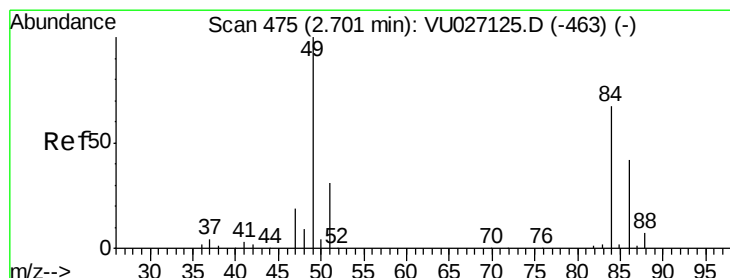
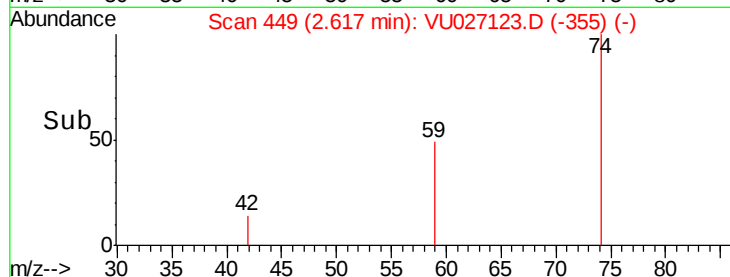
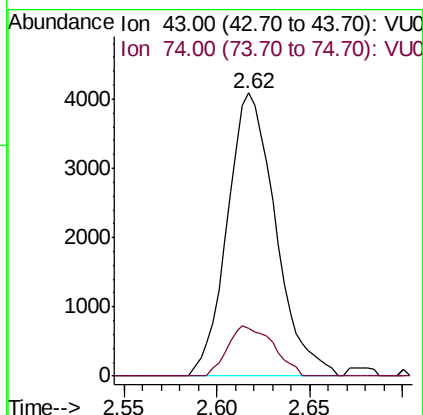
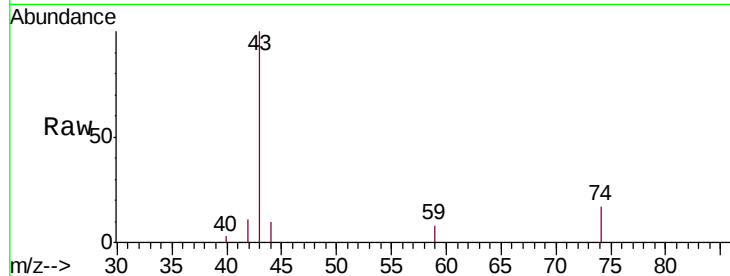




#15
Methyl Acetate
Concen: 4.572 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

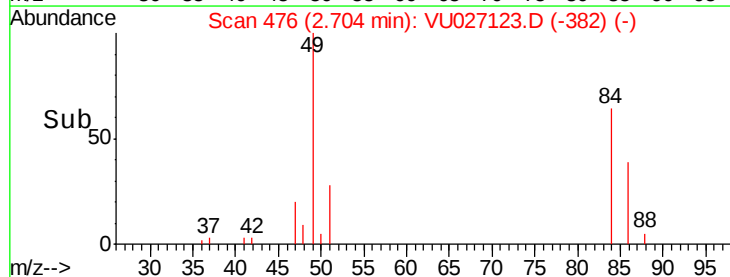
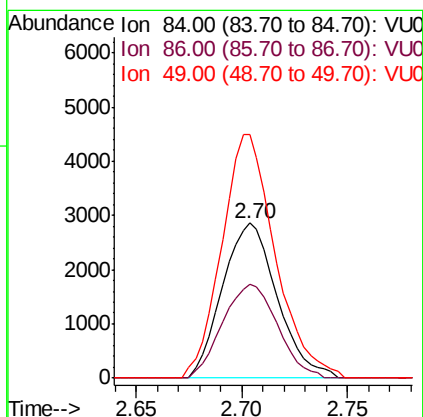
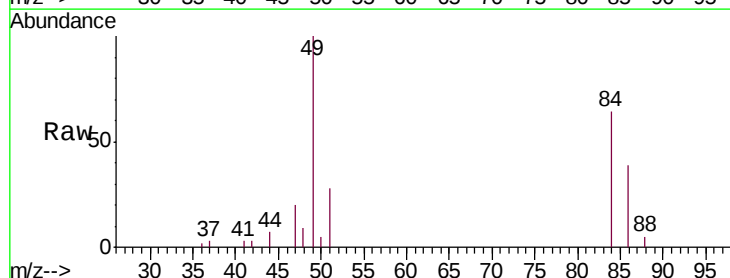
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

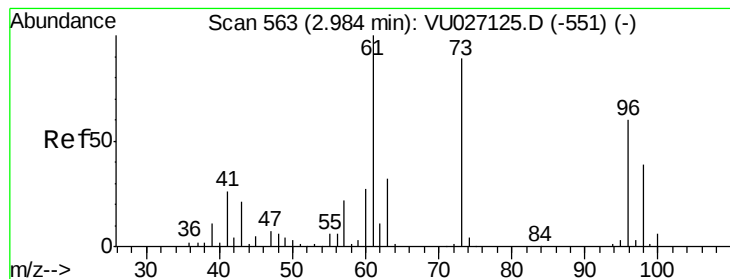
Tgt Ion: 43 Resp: 7392
Ion Ratio Lower Upper
43 100
74 16.8 15.9 23.9



#16
Methylene chloride
Concen: 4.553 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

Tgt Ion: 84 Resp: 5141
Ion Ratio Lower Upper
84 100
86 60.6 43.8 81.3
49 157.1 104.4 194.0





#17

trans-1,2-Dichloroethene

Concen: 4.117 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

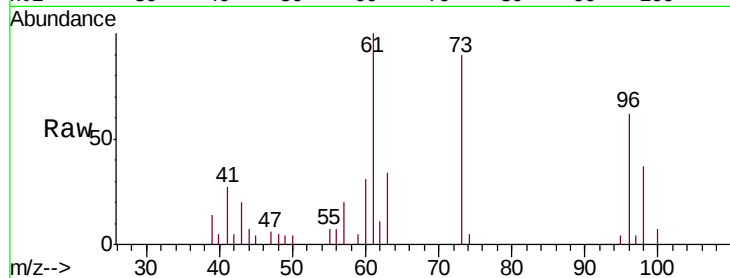
Tgt Ion: 96 Resp: 3944

Ion Ratio Lower Upper

96 100

61 160.8 117.2 217.8

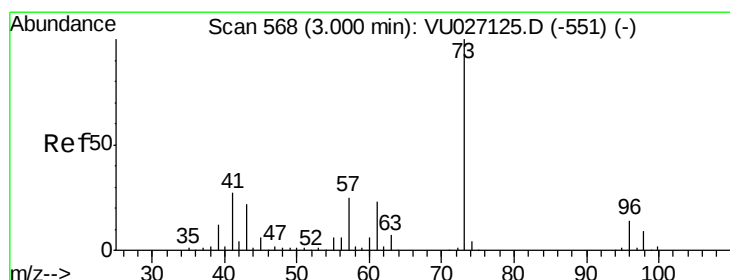
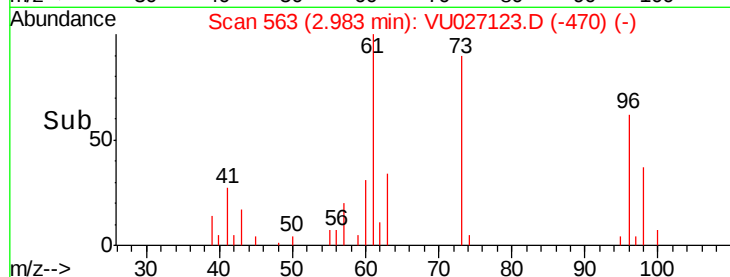
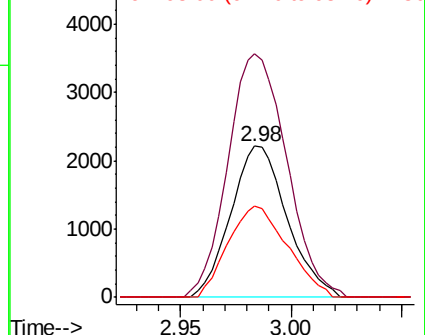
98 60.3 45.3 84.1



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: 3.945 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

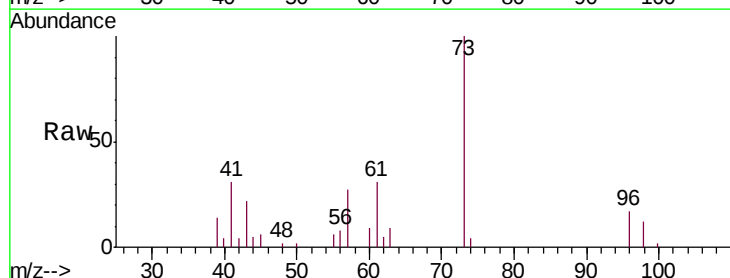
Tgt Ion: 73 Resp: 13169

Ion Ratio Lower Upper

73 100

43 22.2 17.9 26.9

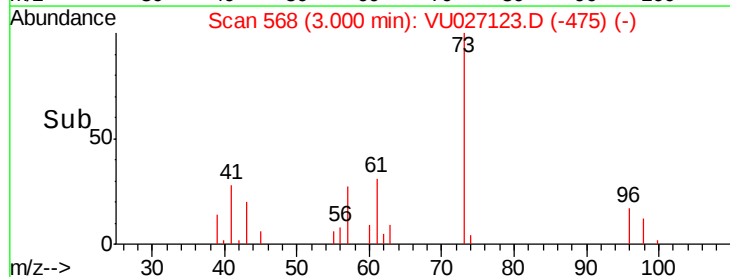
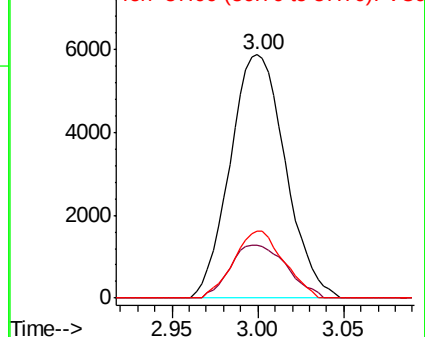
57 24.8 20.0 30.0

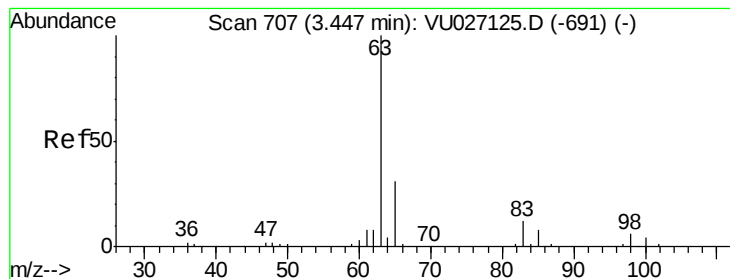


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 4.233 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

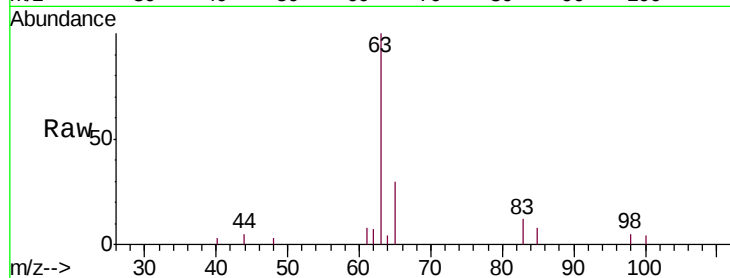
Tgt Ion: 63 Resp: 9319

Ion Ratio Lower Upper

63 100

65 29.6 22.0 40.8

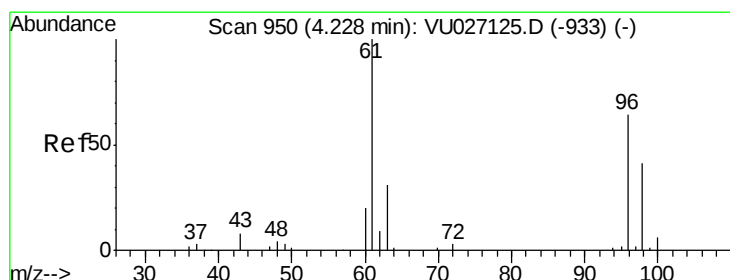
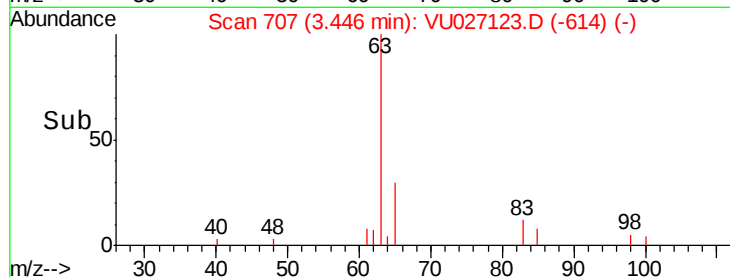
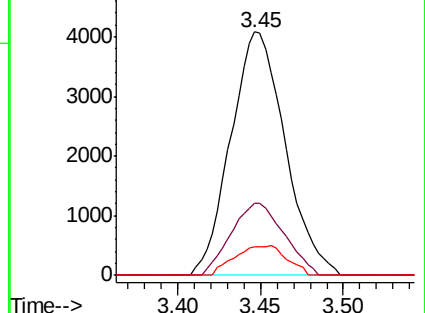
83 12.0 8.4 15.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 3.986 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

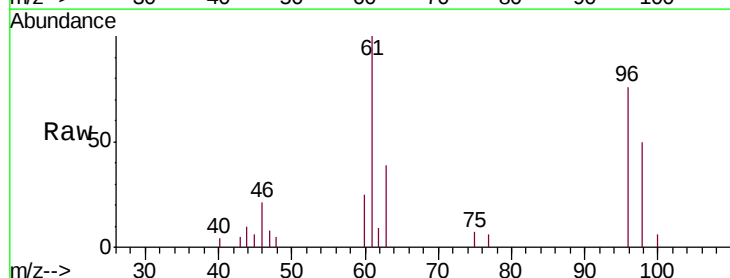
Tgt Ion: 96 Resp: 4297

Ion Ratio Lower Upper

96 100

61 132.2 109.6 203.6

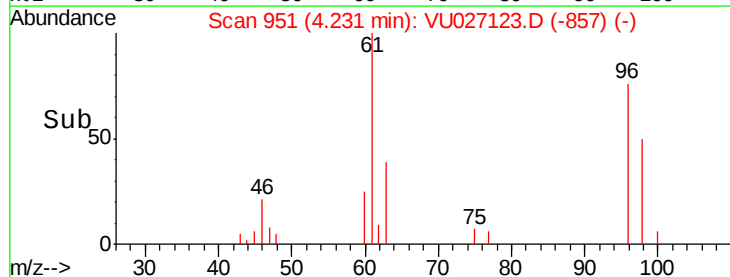
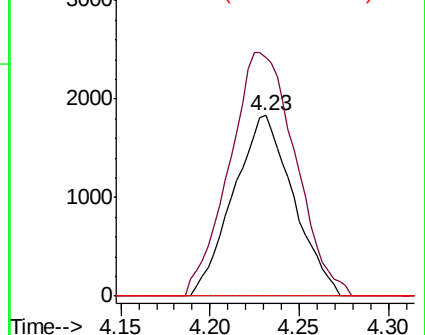
68 0.0 0.0 0.0

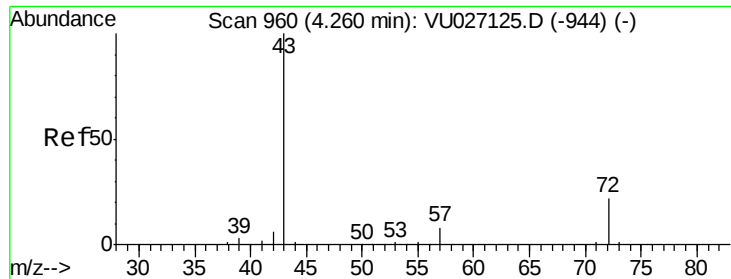


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 7.834 ug/L

RT: 4.27 min Scan# 964

Delta R.T. 0.01 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

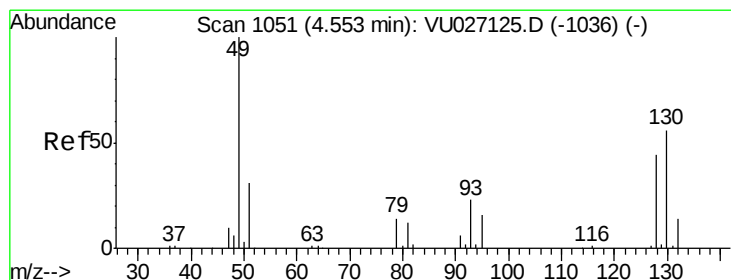
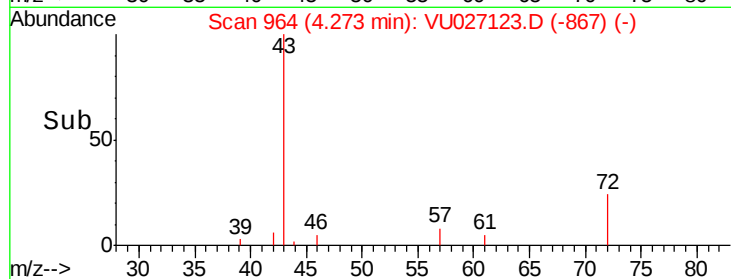
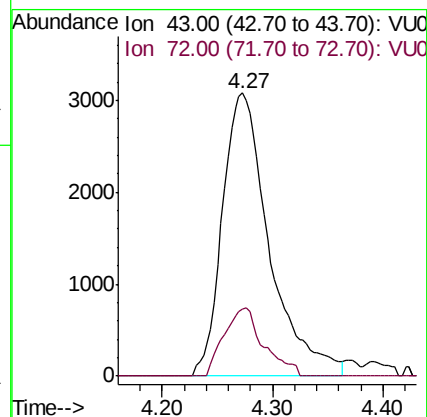
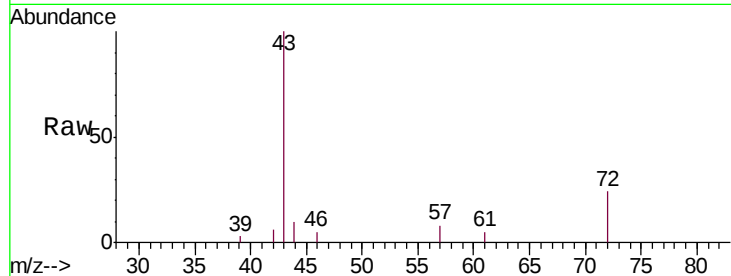
VSTD00550

Tgt Ion: 43 Resp: 9094

Ion Ratio Lower Upper

43 100

72 19.7 11.3 33.9



#23

Bromochloromethane

Concen: 3.911 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Tgt Ion: 128 Resp: 1983

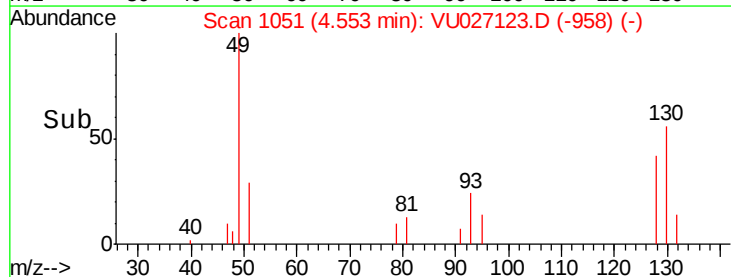
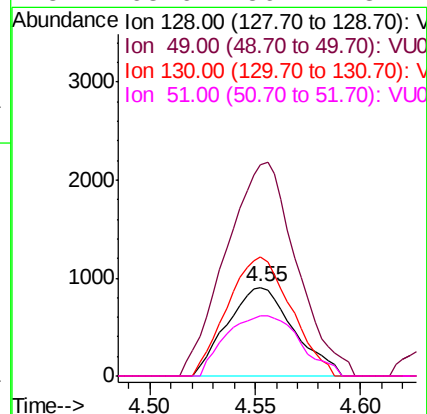
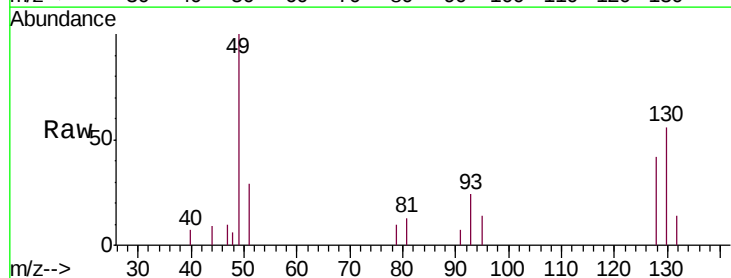
Ion Ratio Lower Upper

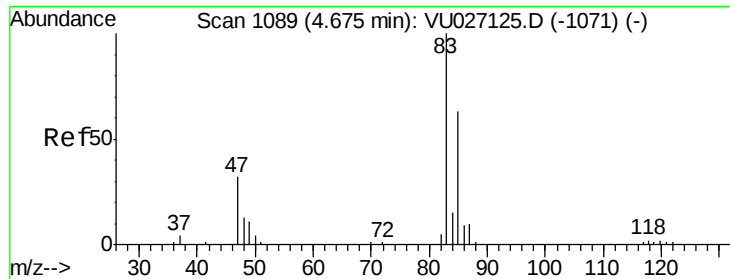
128 100

49 238.9 159.0 295.4

130 133.8 88.6 164.6

51 68.6 56.2 84.2

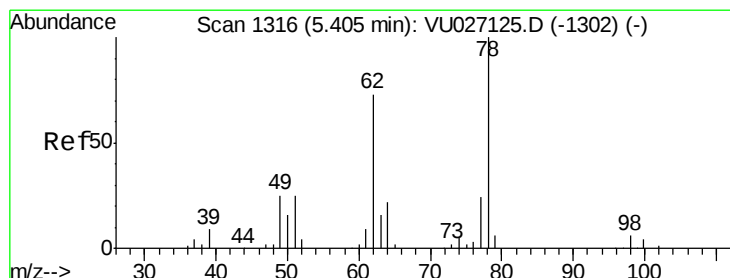
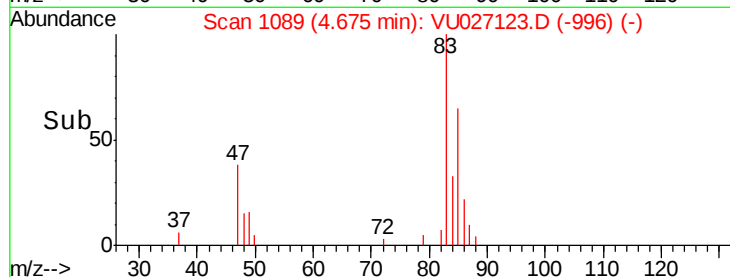
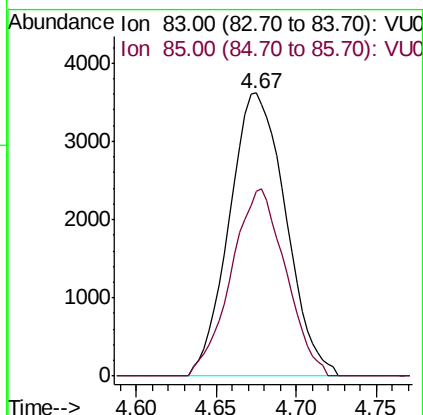
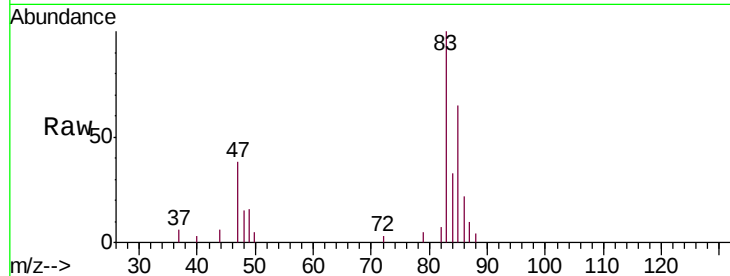




#25
Chloroform
Concen: 4.235 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

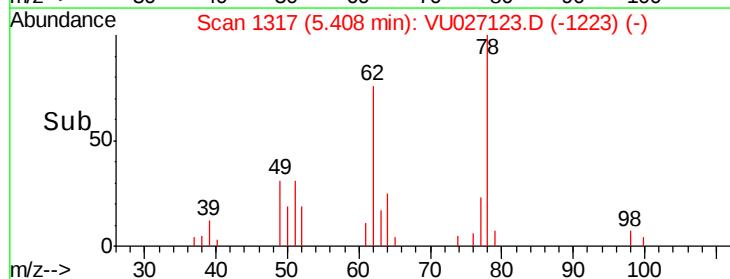
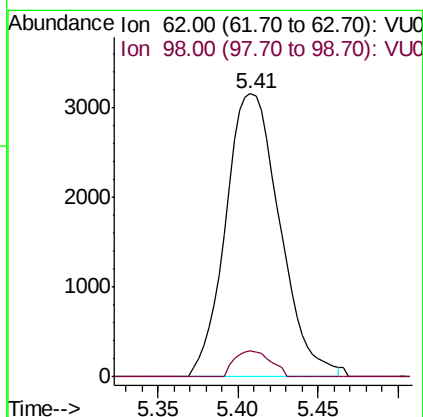
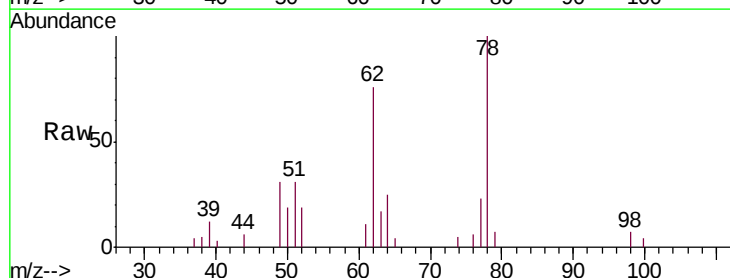
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

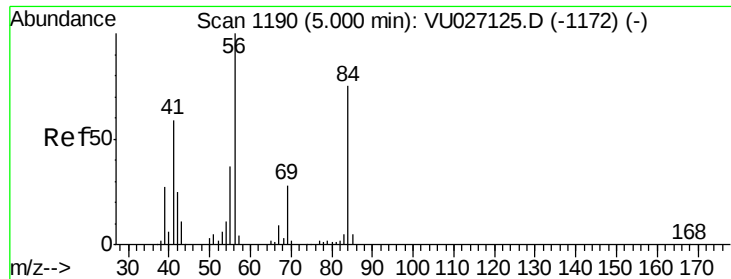
Tgt Ion: 83 Resp: 8743
Ion Ratio Lower Upper
83 100
85 65.2 44.0 81.6



#27
1,2-Dichloroethane
Concen: 4.267 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

Tgt Ion: 62 Resp: 7310
Ion Ratio Lower Upper
62 100
98 9.2 6.4 9.6





#29

Cyclohexane

Concen: 3.703 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

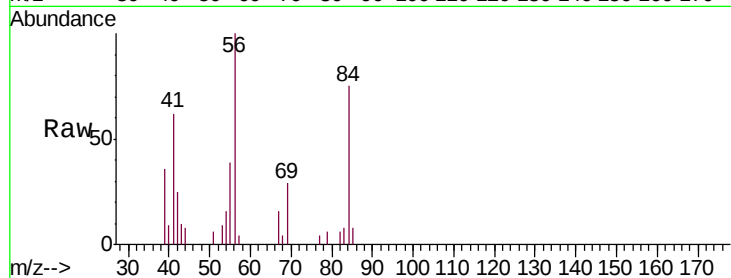
Tgt Ion: 56 Resp: 6857

Ion Ratio Lower Upper

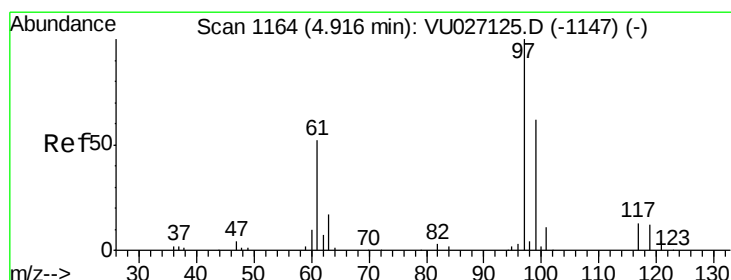
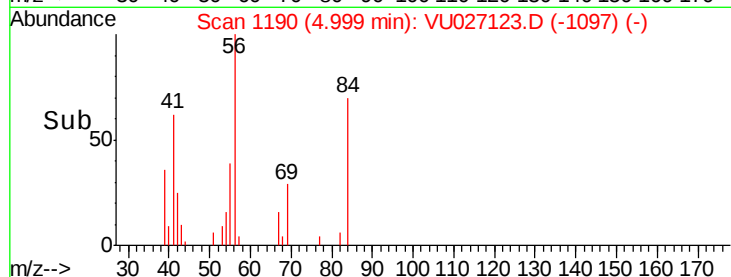
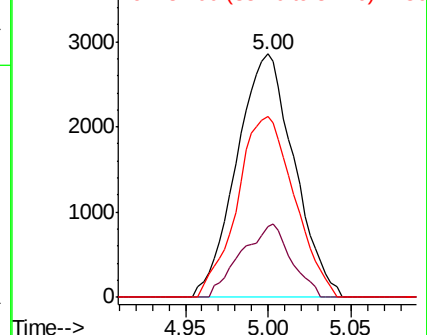
56 100

69 26.2 22.3 33.5

84 74.1 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: 4.346 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

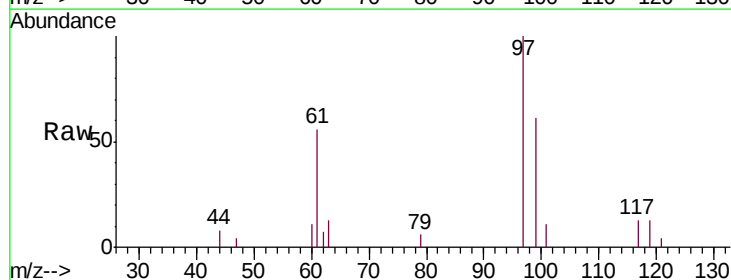
Tgt Ion: 97 Resp: 6851

Ion Ratio Lower Upper

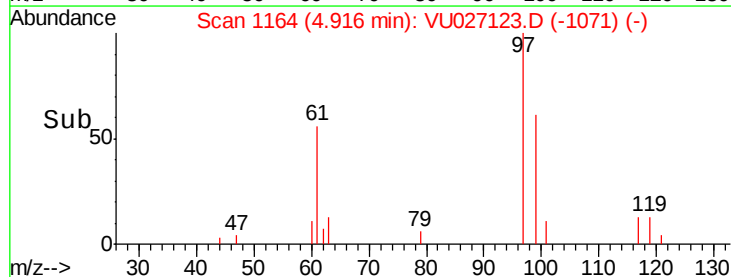
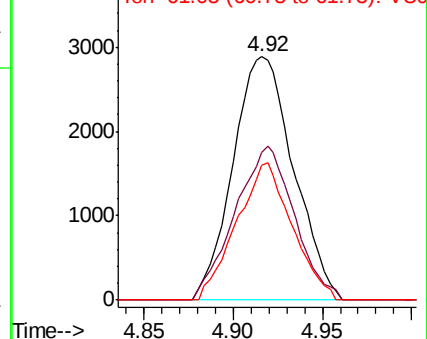
97 100

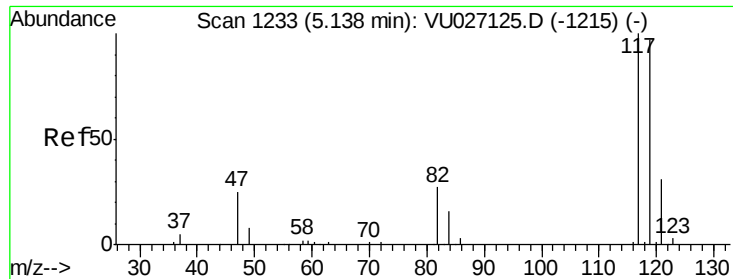
99 61.7 51.7 77.5

61 51.6 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: 4.194 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

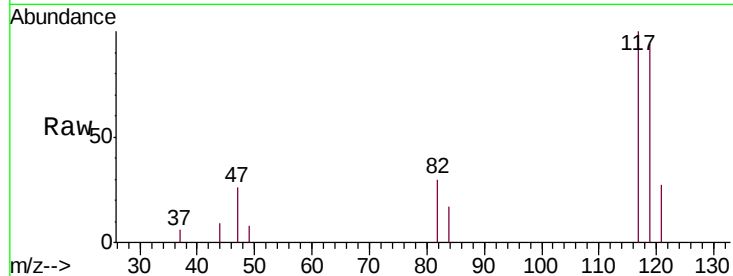
VSTD00550

Tgt Ion:117 Resp: 5601

Ion Ratio Lower Upper

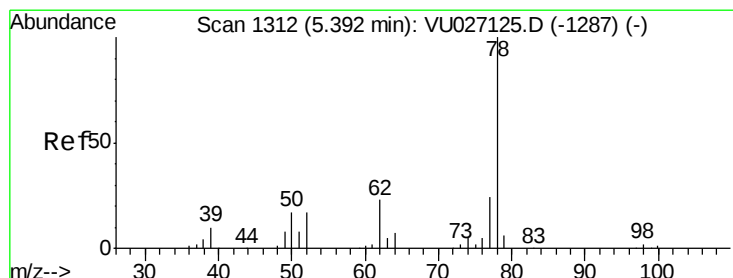
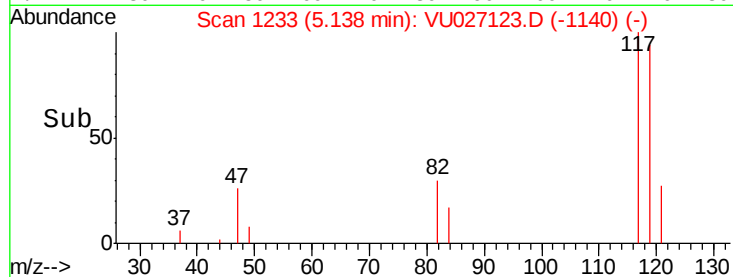
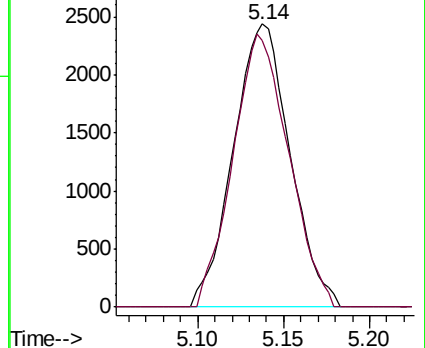
117 100

119 94.6 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.066 ug/L

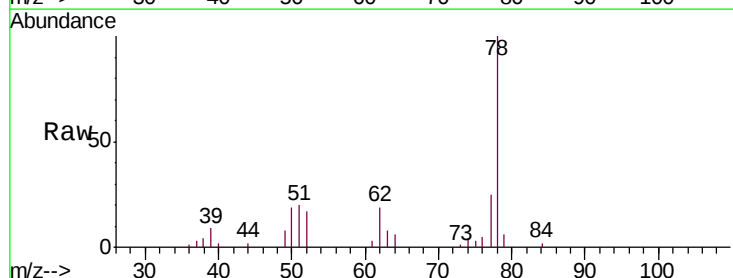
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

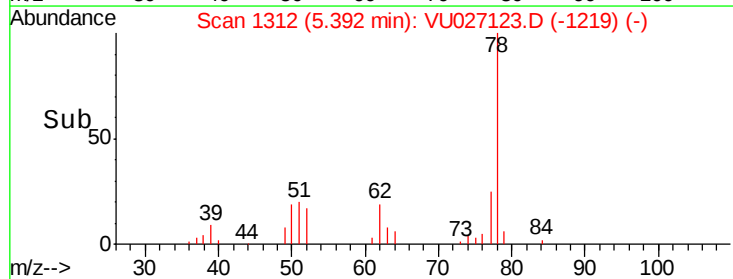
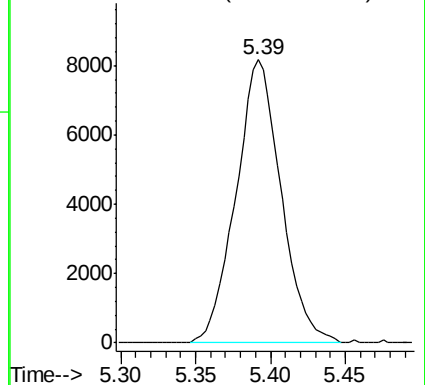
Lab File: VU027123.D

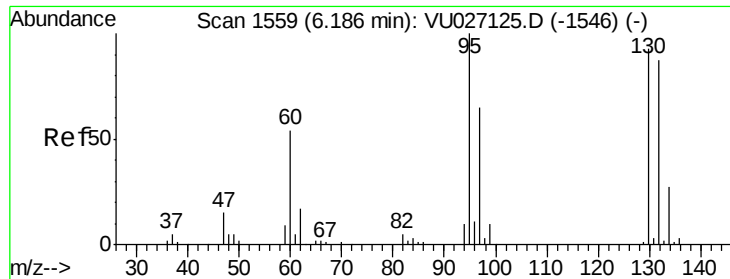
Acq: 25 Sep 2018 10:34

Tgt Ion: 78 Resp: 17182



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 4.088 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

Tgt Ion: 95 Resp: 4030

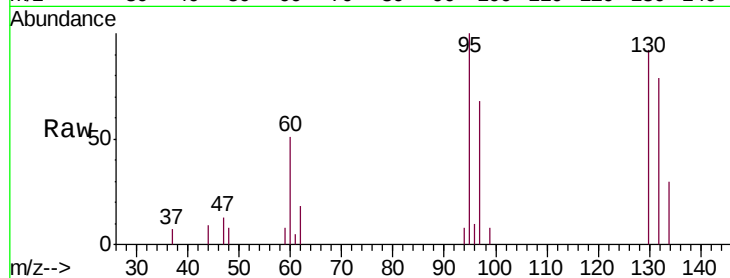
Ion Ratio Lower Upper

95 100

97 68.3 45.4 84.2

132 78.7 61.1 113.5

130 91.9 65.0 120.6

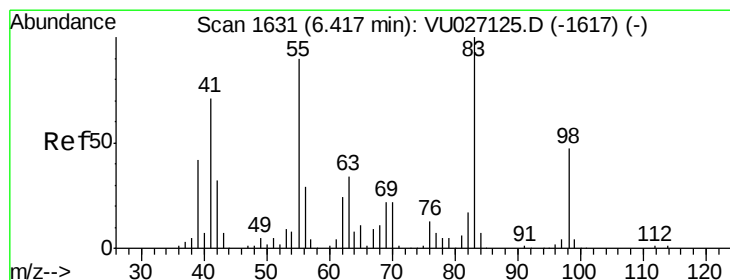
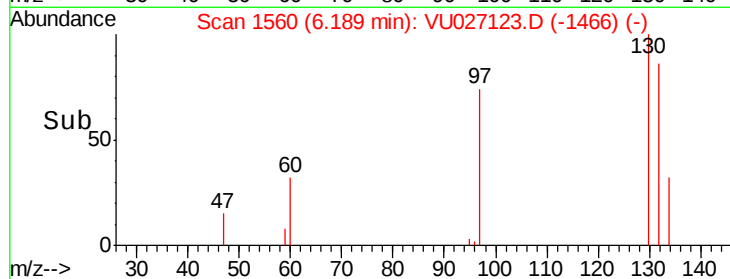
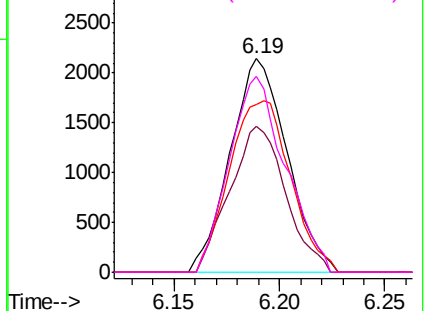


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 3.798 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

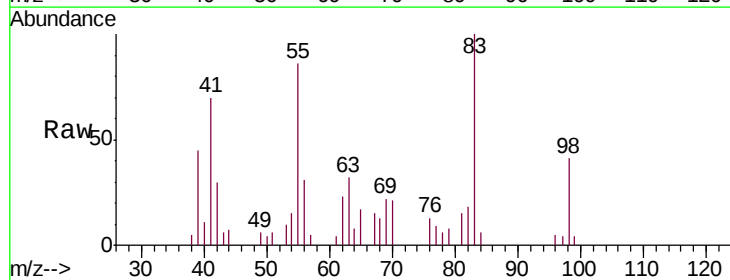
Tgt Ion: 83 Resp: 6311

Ion Ratio Lower Upper

83 100

55 89.9 73.2 109.8

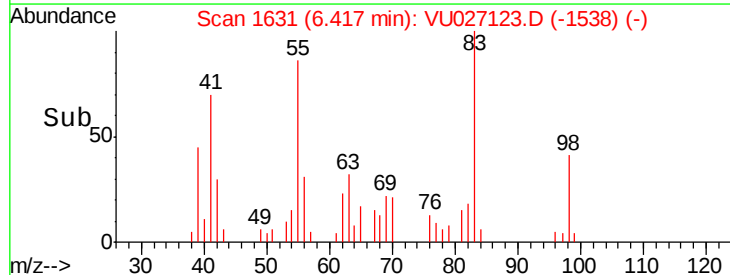
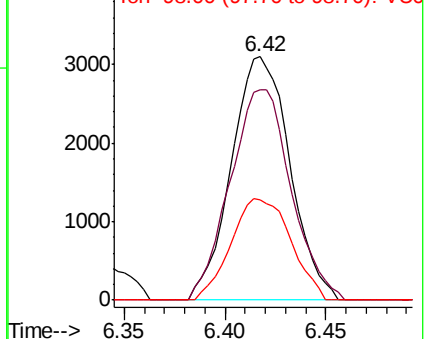
98 42.4 37.0 55.6

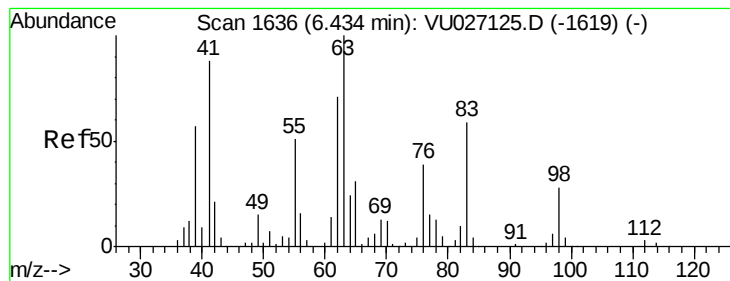


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 4.306 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

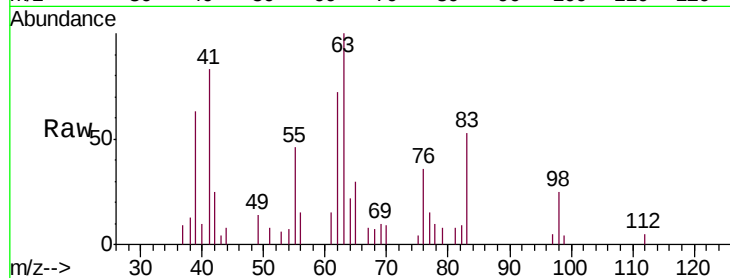
VSTD00550

Tgt Ion: 63 Resp: 5580

Ion Ratio Lower Upper

63 100

112 2.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU027123.D (-1543) (-)

Ion 112.00 (111.70 to 112.70): VU027123.D (-1543) (-)

6.43

3000

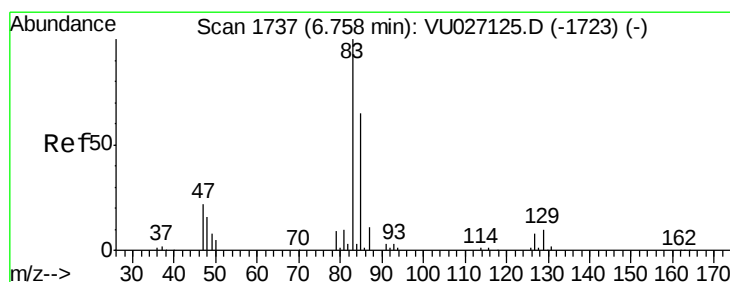
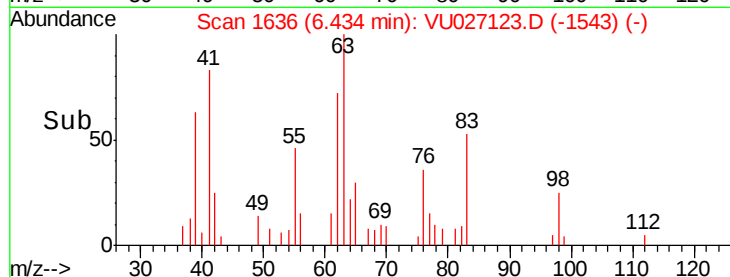
2000

1000

0

6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 4.211 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

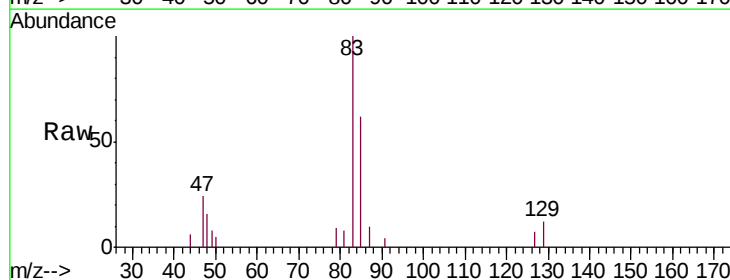
Tgt Ion: 83 Resp: 6198

Ion Ratio Lower Upper

83 100

85 62.4 45.3 84.1

127 7.1 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VU027123.D (-1644) (-)

Ion 85.00 (84.70 to 85.70): VU027123.D (-1644) (-)

Ion 127.00 (126.70 to 127.70): VU027123.D (-1644) (-)

6.76

4000

3000

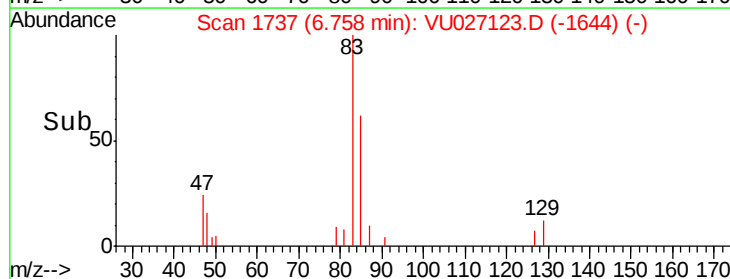
2000

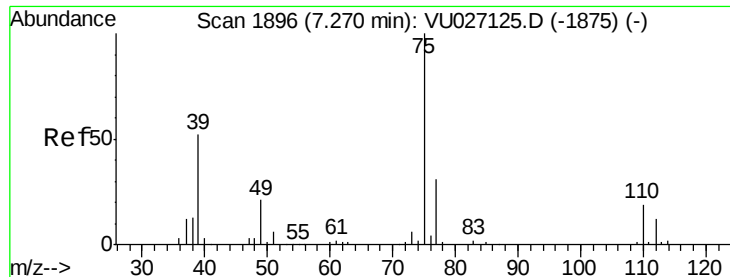
1000

0

6.70 6.75 6.80

Time-->





#39

cis-1,3-Dichloropropene

Concen: 3.699 ug/L

RT: 7.28 min Scan# 1898

Delta R.T. 0.01 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

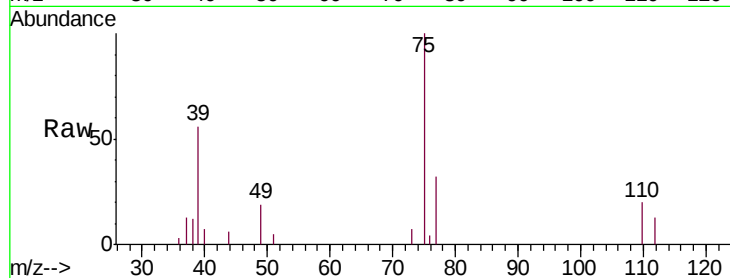
VSTD00550

Tgt Ion: 75 Resp: 6451

Ion Ratio Lower Upper

75 100

77 31.5 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VU027123.D (-1875) (-)

Ion 77.00 (76.70 to 77.70): VU027123.D (-1875) (-)

7.28

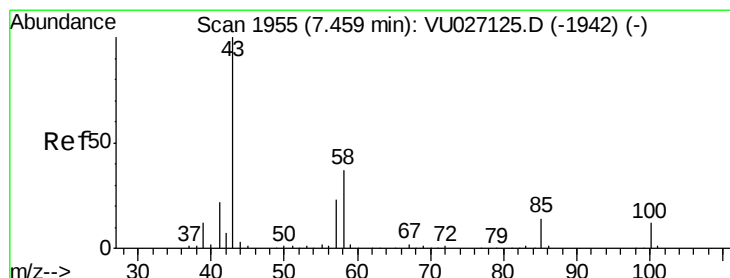
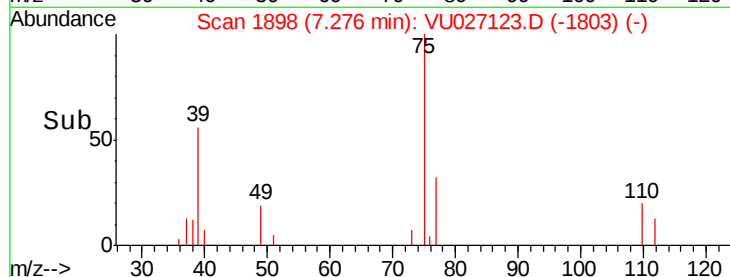
3000

2000

1000

0

Time--> 7.20 7.25 7.30



#40

4-Methyl-2-pentanone

Concen: 6.880 ug/L

RT: 7.47 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

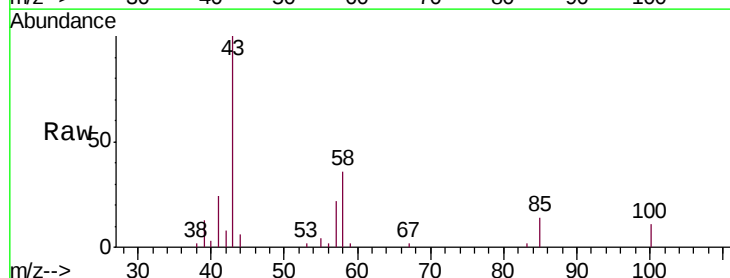
Tgt Ion: 43 Resp: 13079

Ion Ratio Lower Upper

43 100

58 33.5 29.0 43.6

100 9.6 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VU027123.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU027123.D (-1862) (-)

Ion 100.00 (99.70 to 100.70): VU027123.D (-1862) (-)

7.47

8000

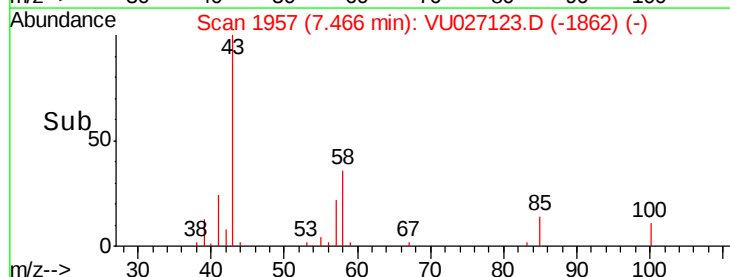
6000

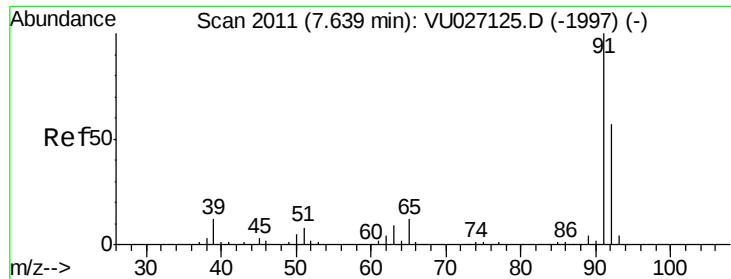
4000

2000

0

Time--> 7.40 7.45 7.50 7.55





#42

Toluene

Concen: 3.508 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

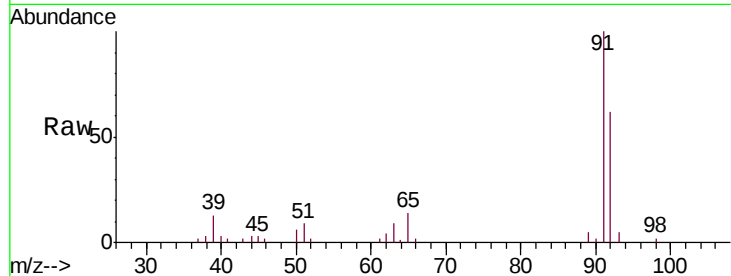
VSTD00550

Tgt Ion: 91 Resp: 14622

Ion Ratio Lower Upper

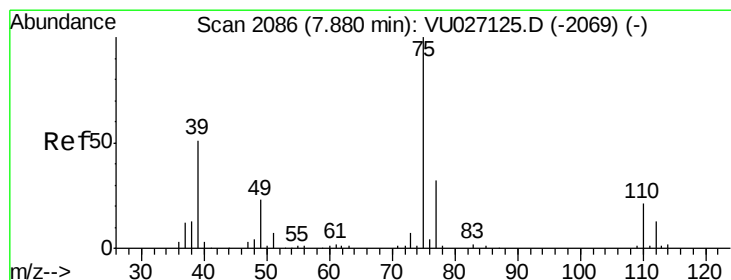
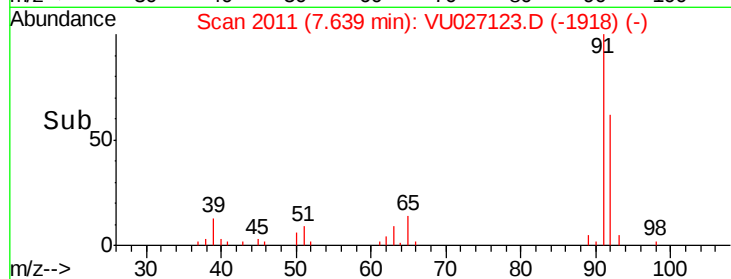
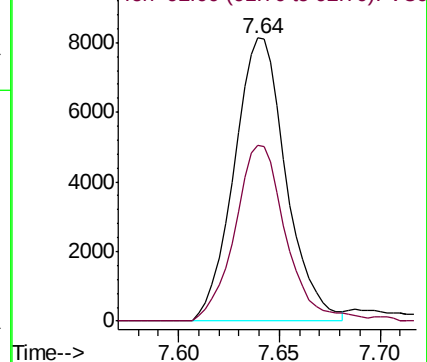
91 100

92 62.3 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: 3.396 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027123.D

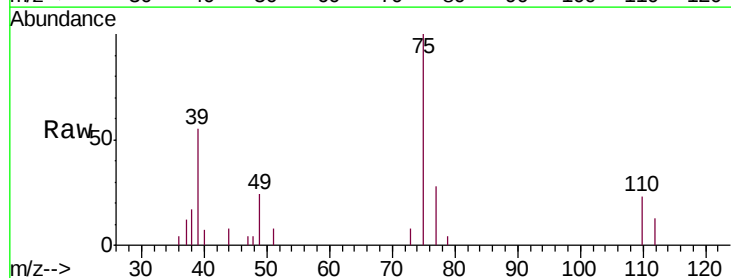
Acq: 25 Sep 2018 10:34

Tgt Ion: 75 Resp: 5723

Ion Ratio Lower Upper

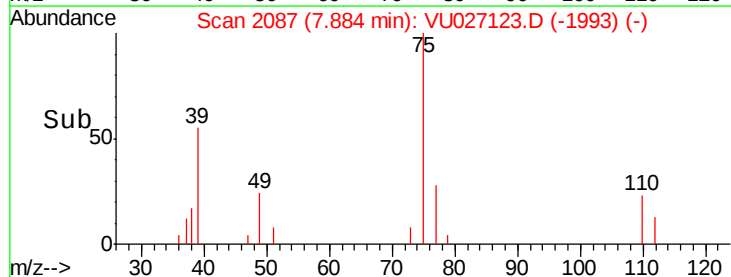
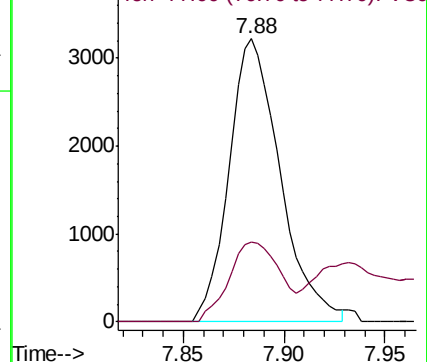
75 100

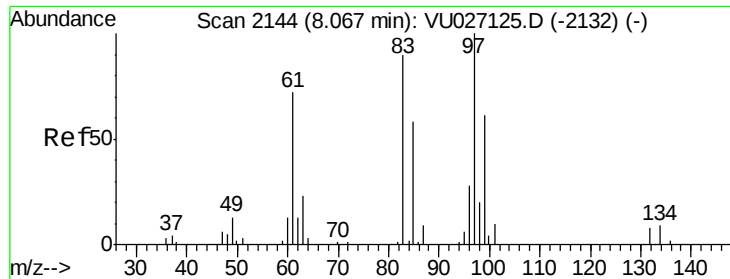
77 28.2 22.3 41.5



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: 4.255 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

Tgt Ion: 97 Resp: 4369

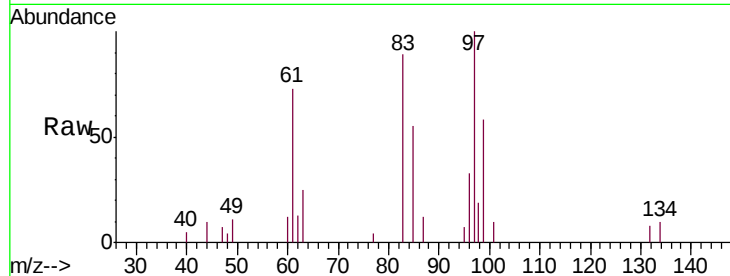
Ion Ratio Lower Upper

97 100

99 58.1 42.8 79.4

83 88.8 63.2 117.4

85 55.4 40.9 75.9



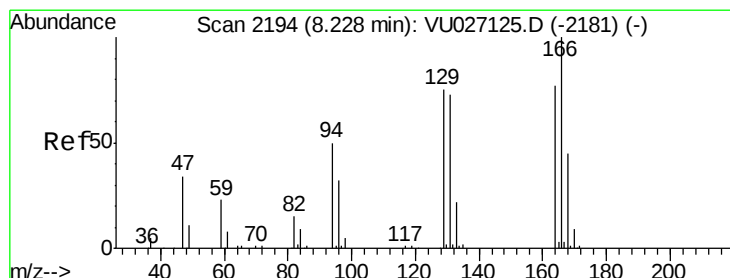
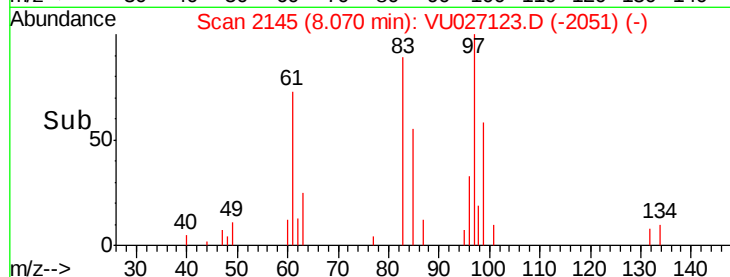
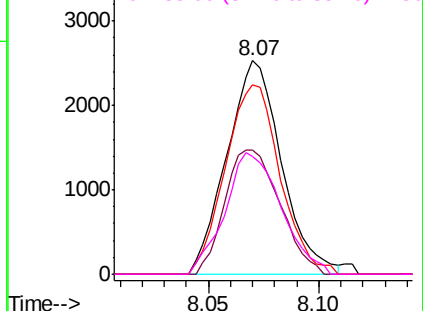
Abundance

Ion 97.00 (96.70 to 97.70): VU027125.D (-2132) (-)

Ion 99.00 (98.70 to 99.70): VU027125.D (-2132) (-)

Ion 83.00 (82.70 to 83.70): VU027125.D (-2132) (-)

Ion 85.00 (84.70 to 85.70): VU027125.D (-2132) (-)



#46

Tetrachloroethene

Concen: 4.127 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Tgt Ion: 164 Resp: 2918

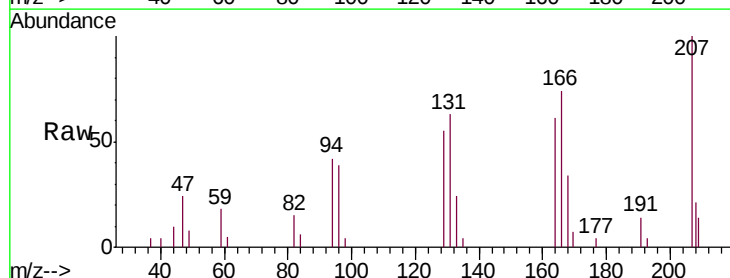
Ion Ratio Lower Upper

164 100

129 90.1 67.8 125.8

131 104.2 66.4 123.2

166 121.3 90.4 167.8



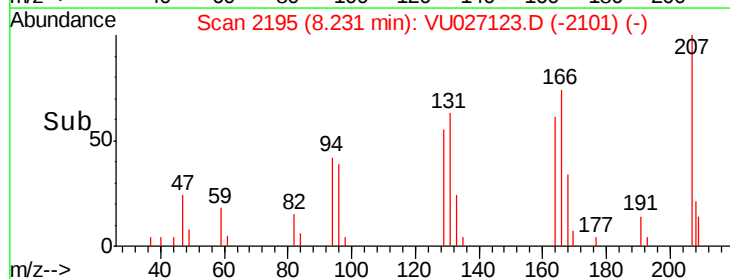
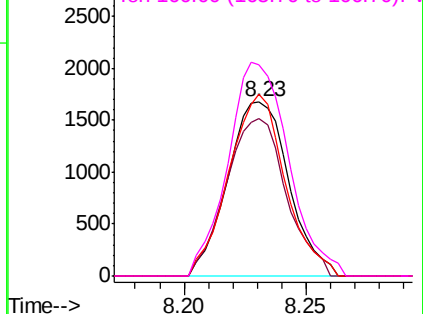
Abundance

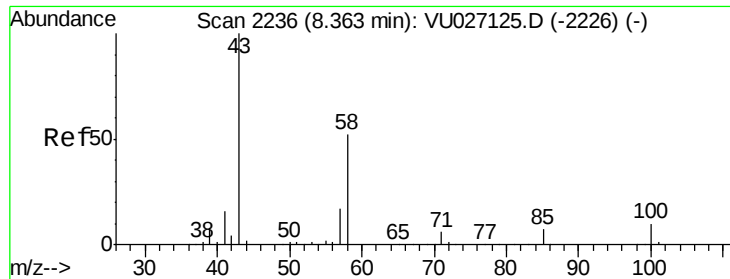
Ion 164.00 (163.70 to 164.70): VU027125.D (-2181) (-)

Ion 129.00 (128.70 to 129.70): VU027125.D (-2181) (-)

Ion 131.00 (130.70 to 131.70): VU027125.D (-2181) (-)

Ion 166.00 (165.70 to 166.70): VU027125.D (-2181) (-)

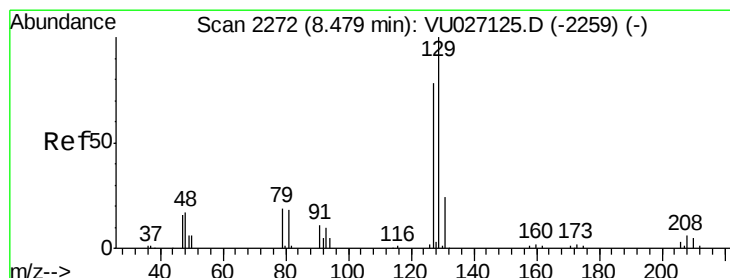
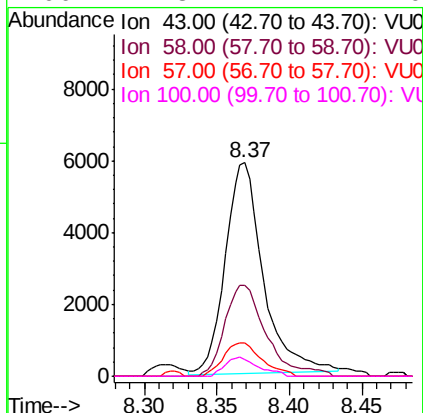
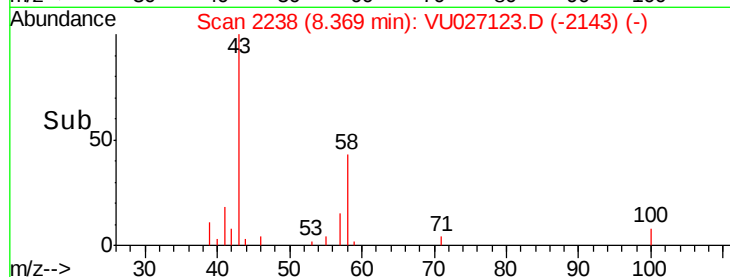
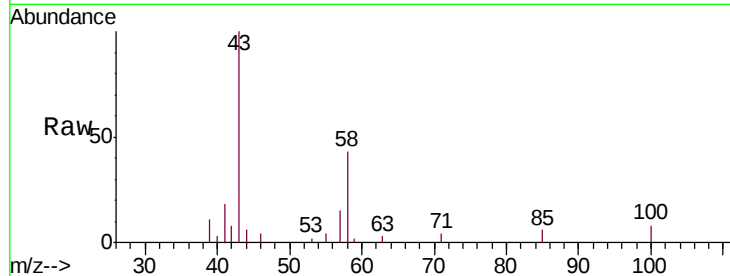




#48
2-Hexanone
Concen: 6.863 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

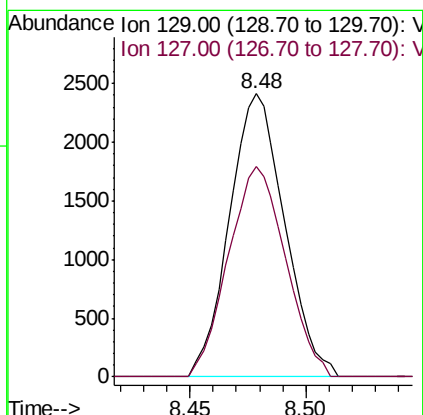
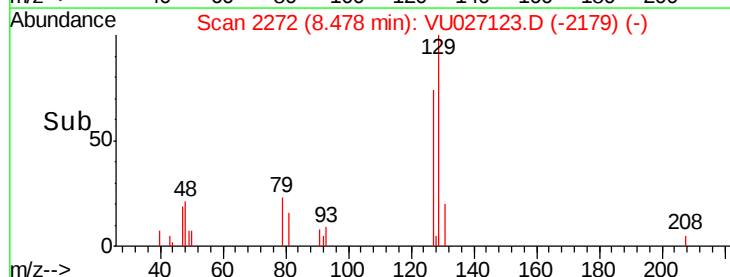
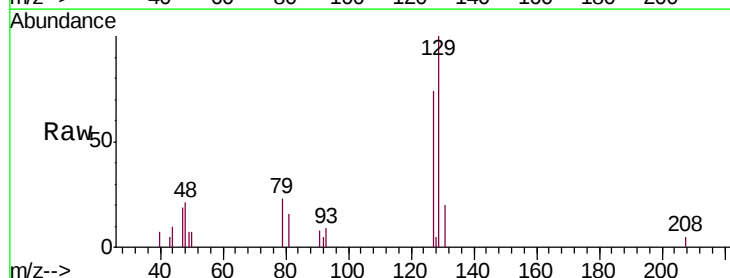
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

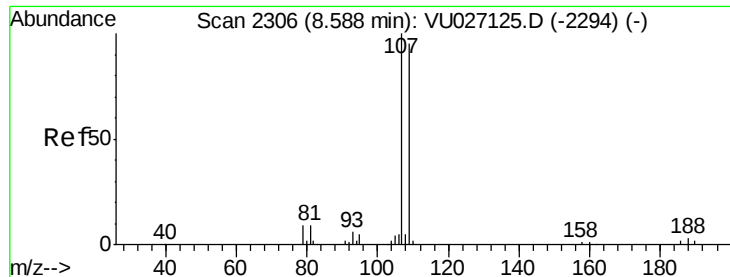
Tgt Ion: 43 Resp: 10646
Ion Ratio Lower Upper
43 100
58 47.1 41.9 62.9
57 16.2 13.8 20.8
100 7.8 7.4 11.0



#49
Dibromochloromethane
Concen: 3.797 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

Tgt Ion: 129 Resp: 3978
Ion Ratio Lower Upper
129 100
127 74.4 54.7 101.5

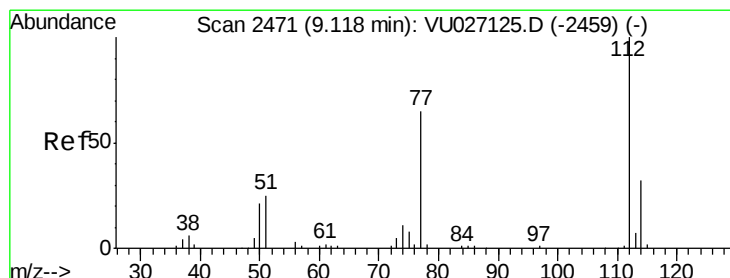
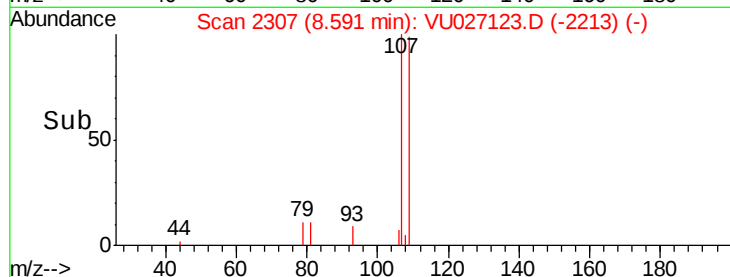
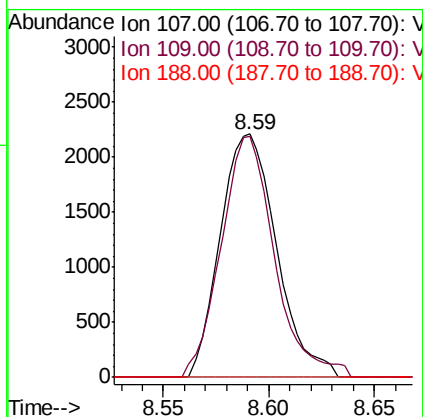
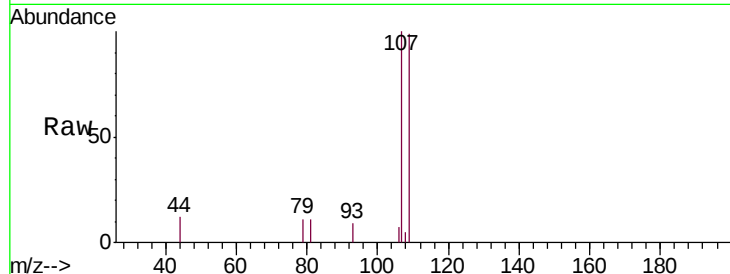




#50
 1,2-Dibromoethane
 Concen: 3.894 ug/L
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

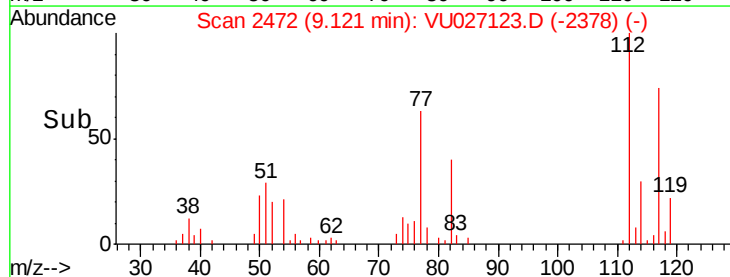
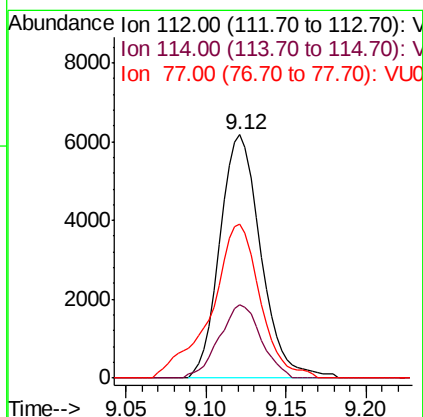
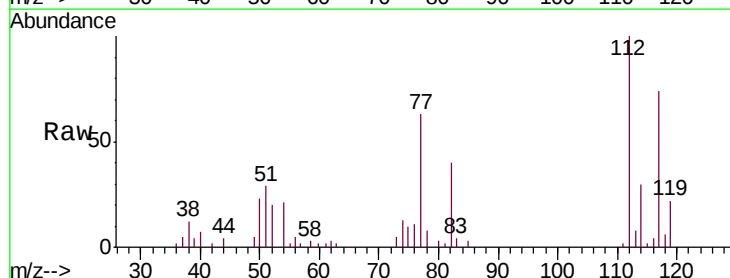
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

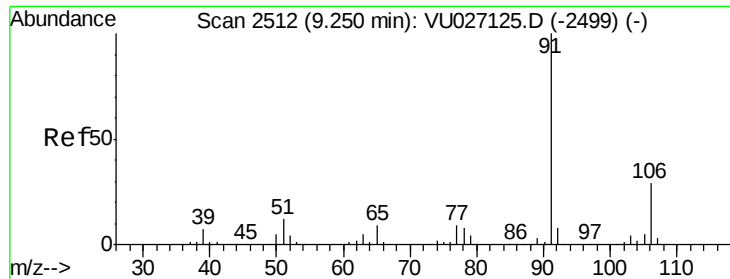
Tgt Ion:107 Resp: 4106
 Ion Ratio Lower Upper
 107 100
 109 98.8 66.8 124.0
 188 0.0 2.7 4.1#



#51
 Chlorobenzene
 Concen: 4.109 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

Tgt Ion:112 Resp: 10833
 Ion Ratio Lower Upper
 112 100
 114 30.0 22.2 41.2
 77 63.3 52.9 79.3





#52

Ethylbenzene

Concen: 3.406 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

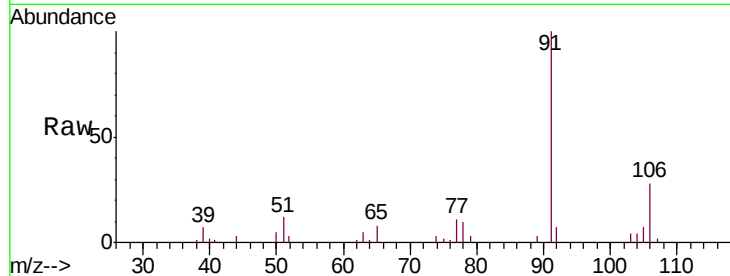
VSTD00550

Tgt Ion: 91 Resp: 15503

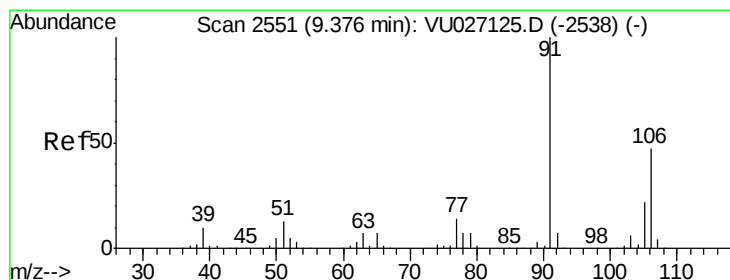
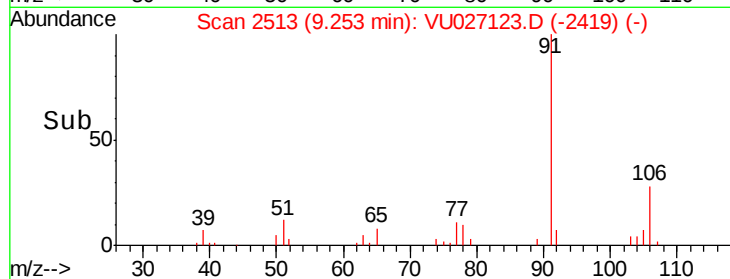
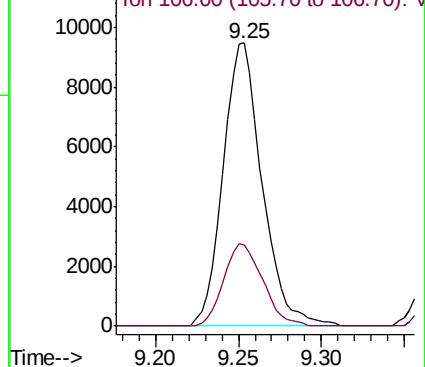
Ion Ratio Lower Upper

91 100

106 28.5 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU027125.D (-2499) (-)



#53

m,p-Xylene

Concen: 3.239 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027123.D

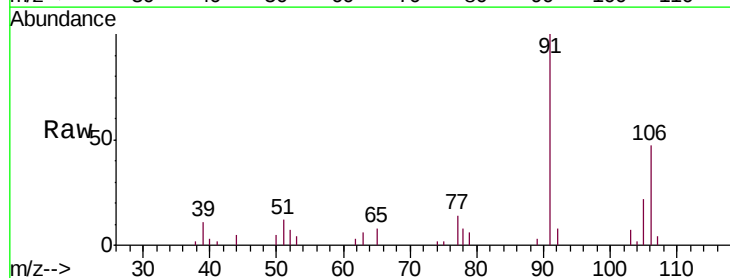
Acq: 25 Sep 2018 10:34

Tgt Ion: 106 Resp: 5249

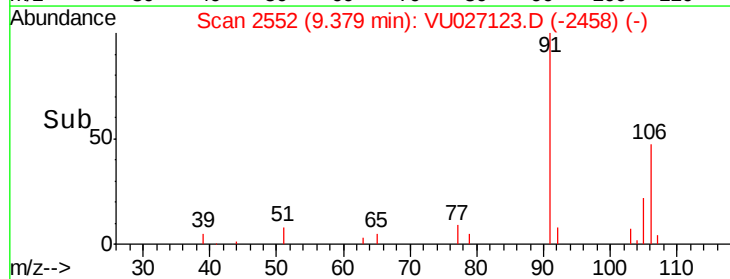
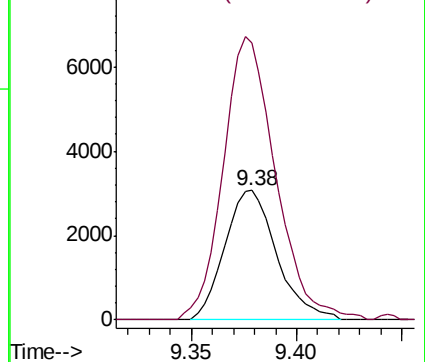
Ion Ratio Lower Upper

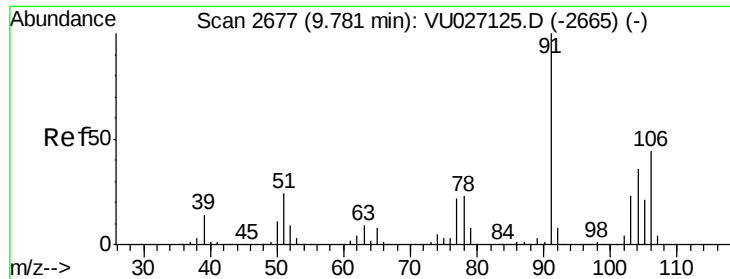
106 100

91 213.6 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): VU027123.D (-2458) (-)

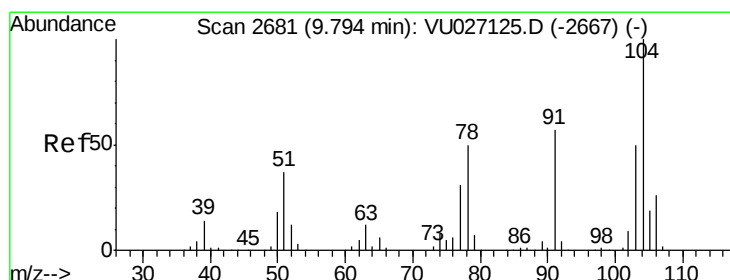
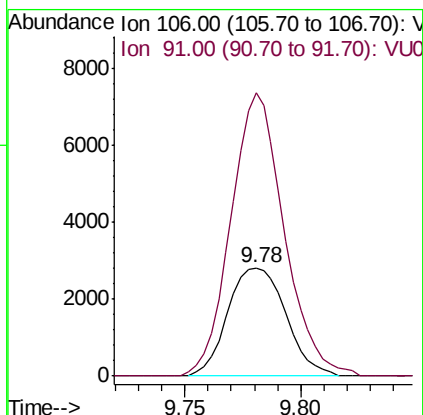
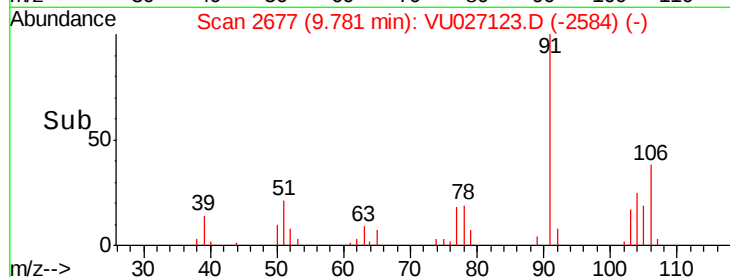
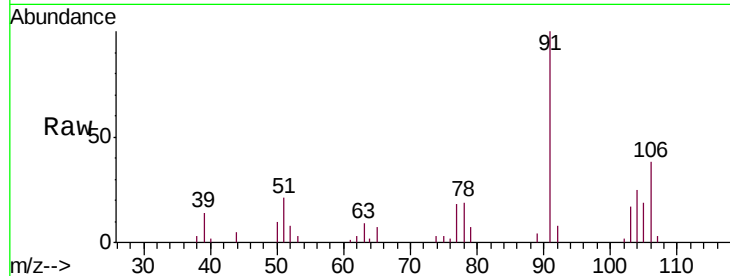




#54
o-xylene
Concen: 3.092 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

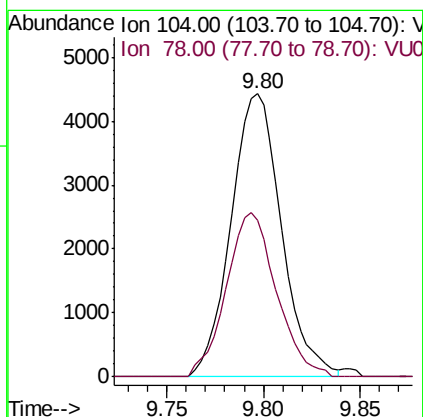
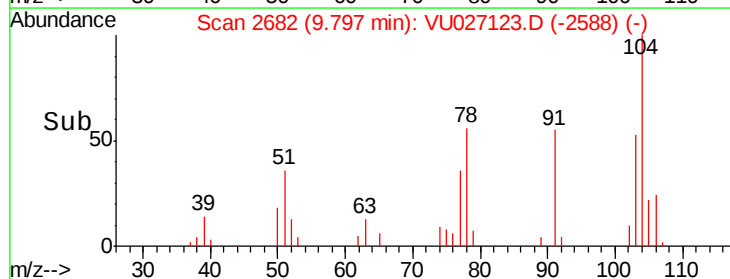
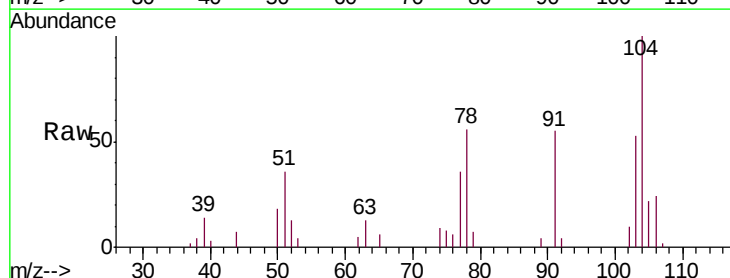
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

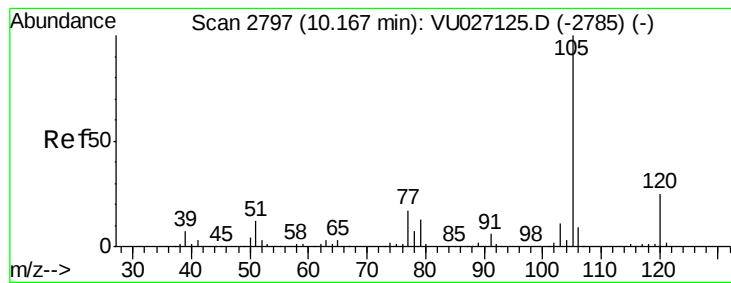
Tgt Ion:106 Resp: 4907
Ion Ratio Lower Upper
106 100
91 261.1 159.4 296.0



#55
Styrene
Concen: 2.958 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

Tgt Ion:104 Resp: 8050
Ion Ratio Lower Upper
104 100
78 55.5 34.9 64.7





#56

Isopropylbenzene

Concen: 3.050 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

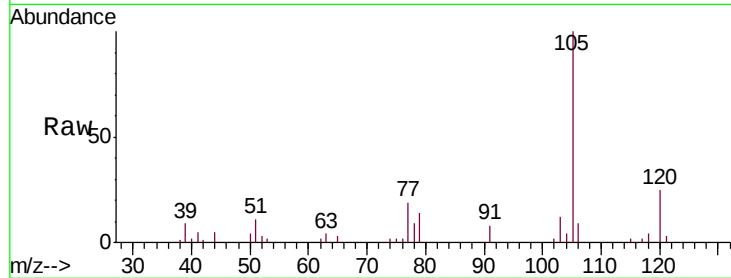
Tgt Ion: 105 Resp: 12640

Ion Ratio Lower Upper

105 100

120 27.3 20.3 30.5

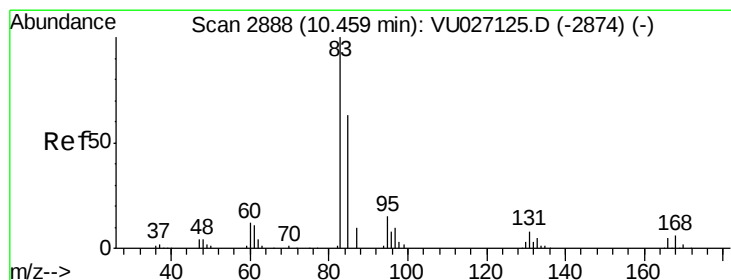
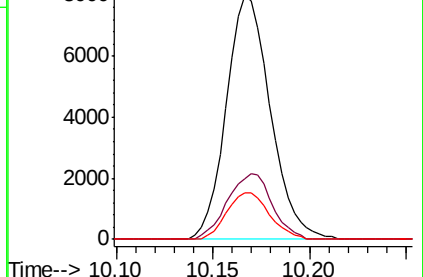
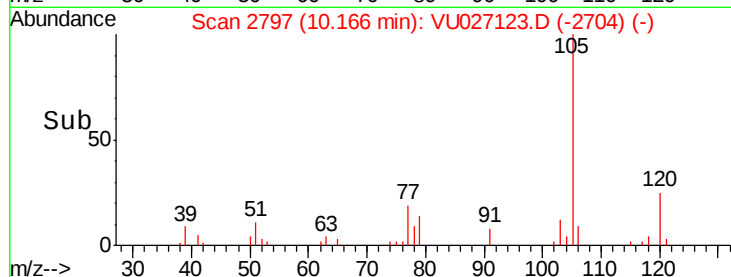
77 18.5 13.9 20.9



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: 4.101 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027123.D

Acq: 25 Sep 2018 10:34

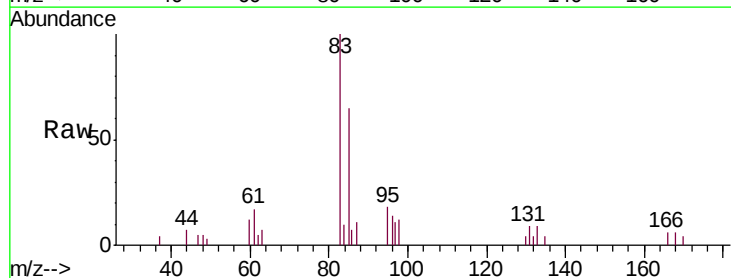
Tgt Ion: 83 Resp: 7679

Ion Ratio Lower Upper

83 100

85 65.1 44.1 81.9

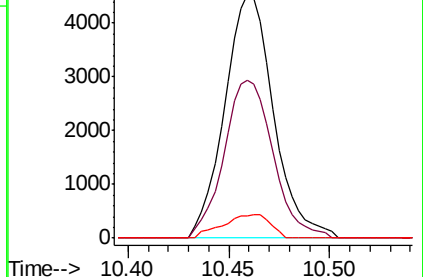
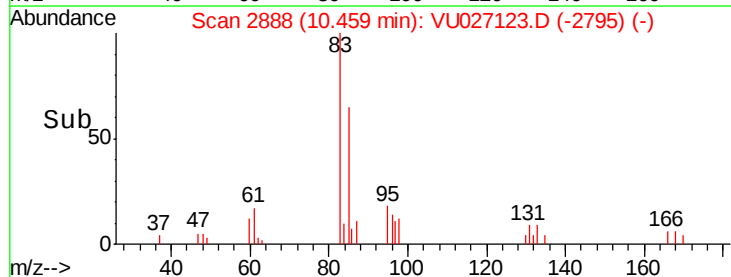
131 9.4 6.8 10.2

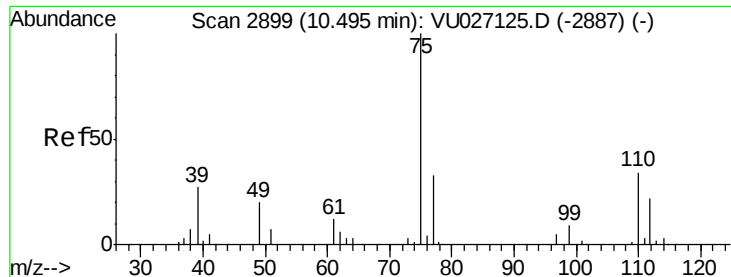


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

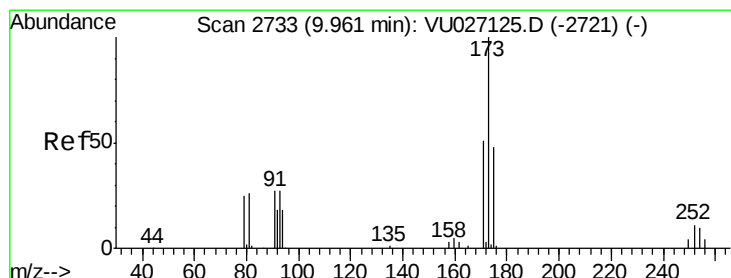
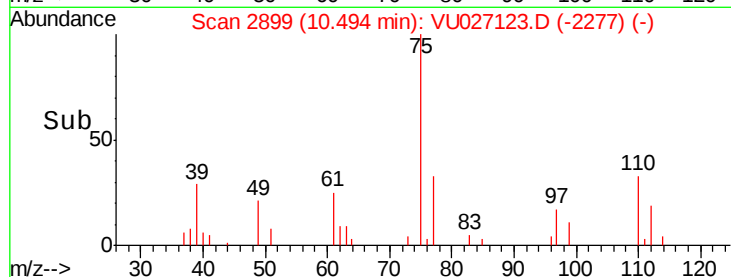
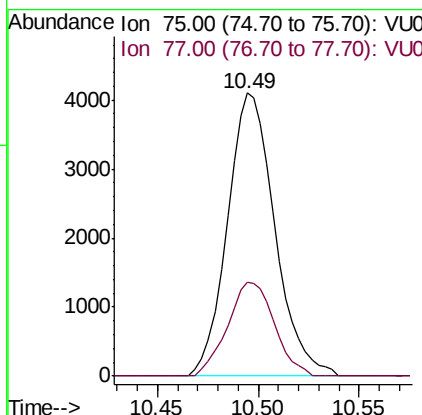
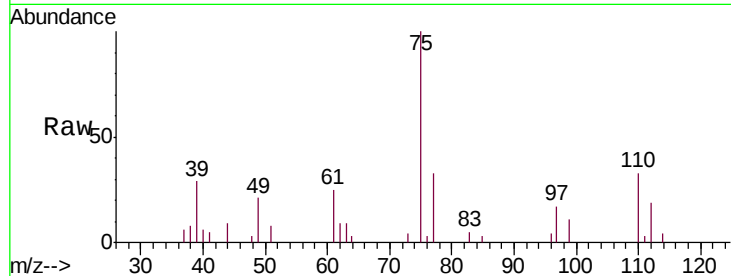




#59
 1,2,3-Trichloropropane
 Concen: 4.447 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

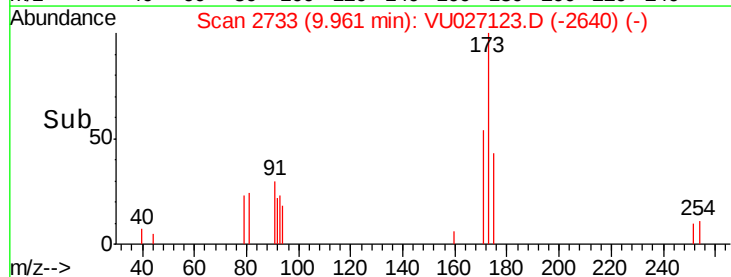
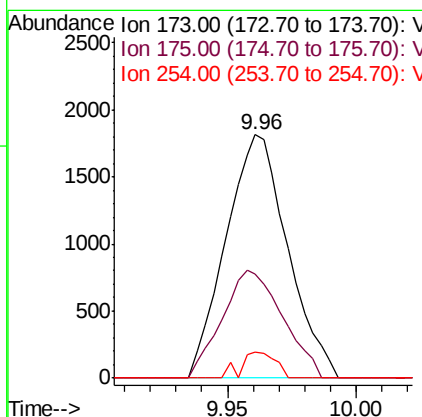
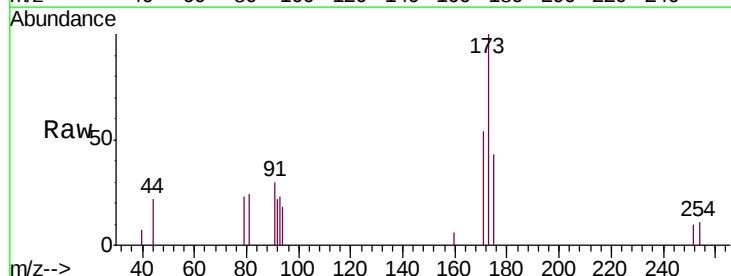
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

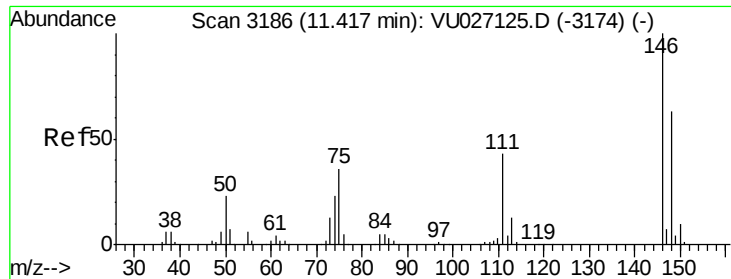
Tgt Ion: 75 Resp: 6727
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.6 38.4



#61
 Bromoform
 Concen: 4.809 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

Tgt Ion: 173 Resp: 3023
 Ion Ratio Lower Upper
 173 100
 175 43.5 38.1 57.1
 254 5.2 8.0 12.0#

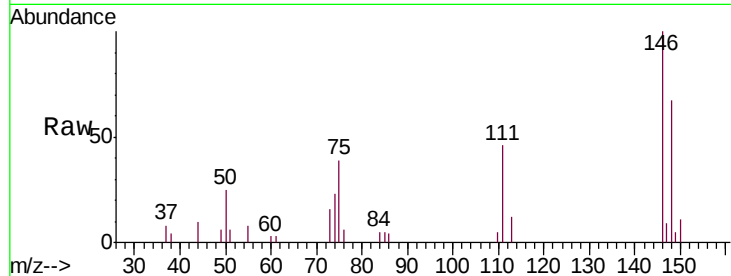




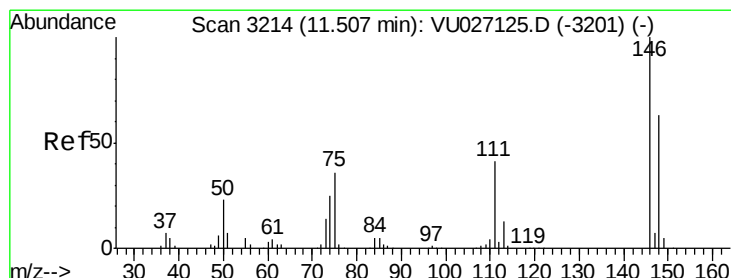
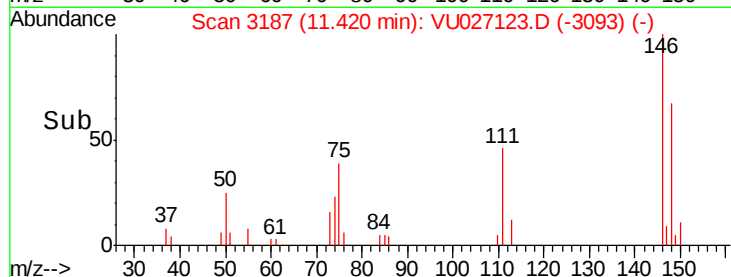
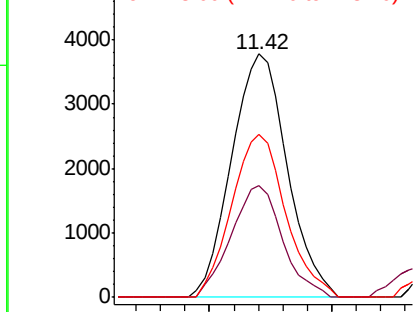
#62
 1,3-Dichlorobenzene
 Concen: 3.928 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion:146 Resp: 5977
 Ion Ratio Lower Upper
 146 100
 111 46.1 30.0 55.6
 148 67.0 43.9 81.5

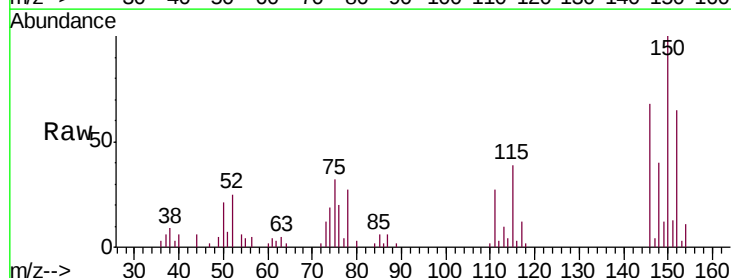


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

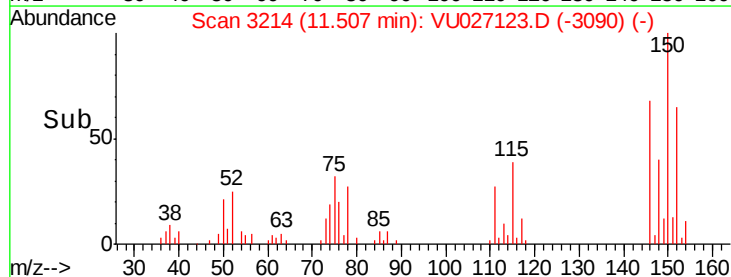
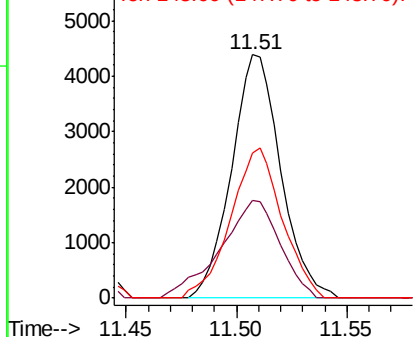


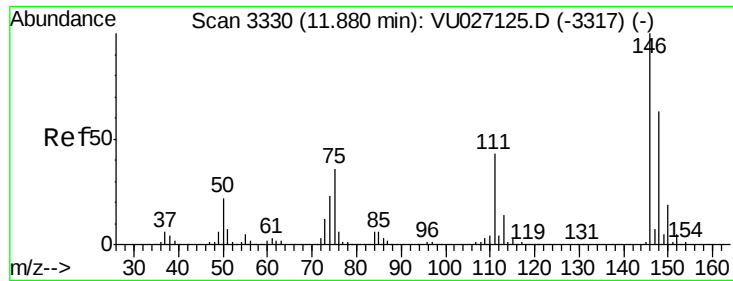
#63
 1,4-Dichlorobenzene
 Concen: 4.213 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

Tgt Ion:146 Resp: 6802
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.5 52.9
 148 59.5 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

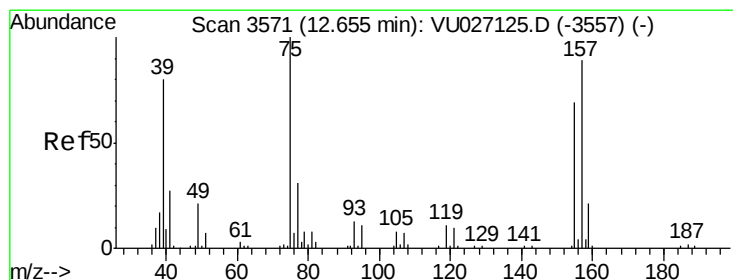
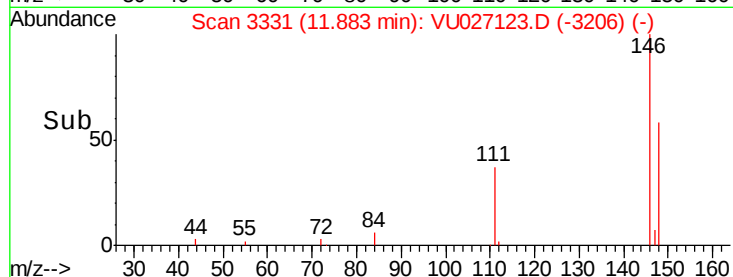
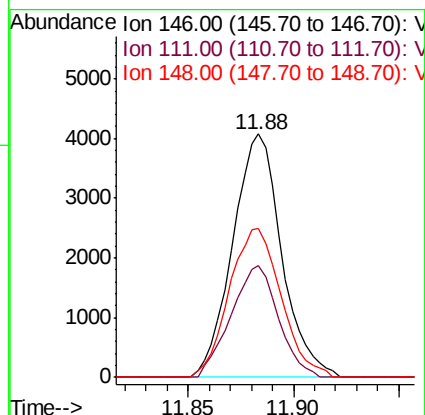
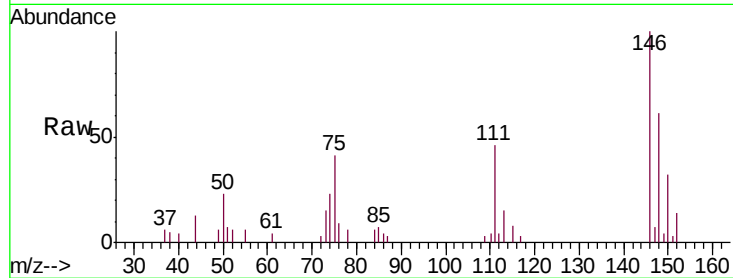




#65
 1,2-Dichlorobenzene
 Concen: 4.009 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

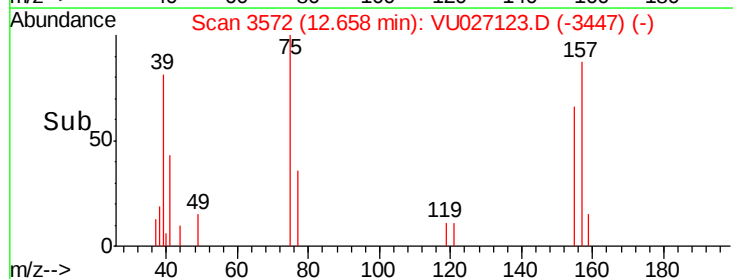
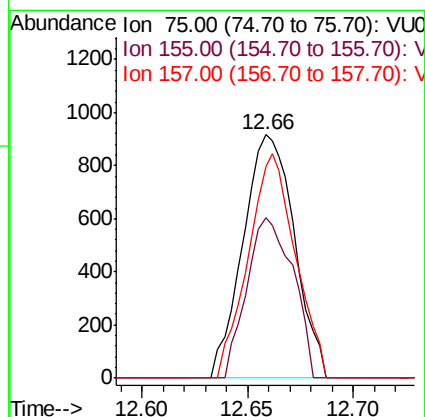
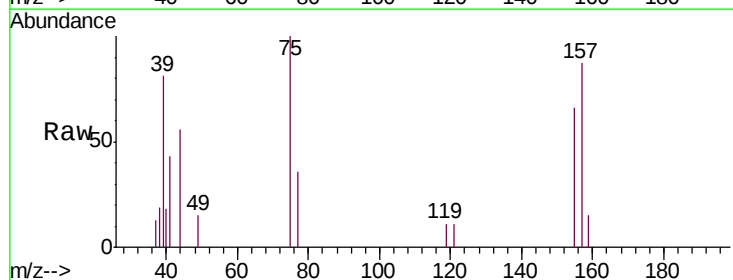
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

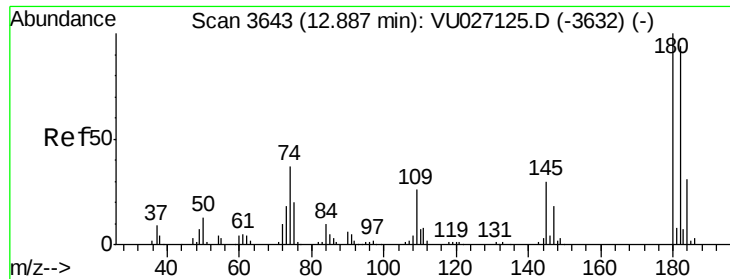
Tgt Ion: 146 Resp: 6588
 Ion Ratio Lower Upper
 146 100
 111 45.7 34.3 51.5
 148 60.9 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.632 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

Tgt Ion: 75 Resp: 1545
 Ion Ratio Lower Upper
 75 100
 155 66.0 54.9 82.3
 157 87.0 70.9 106.3

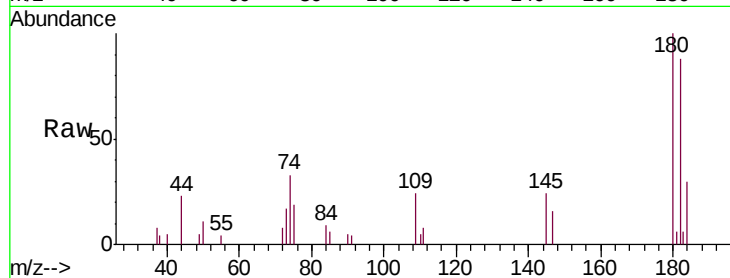




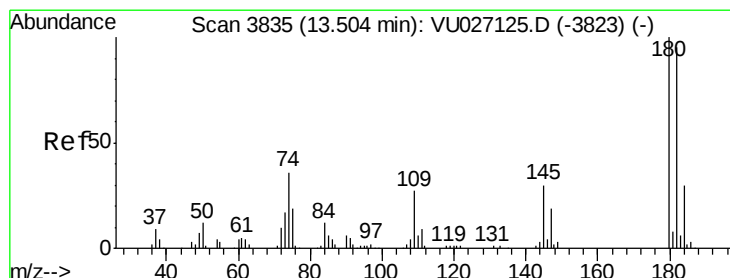
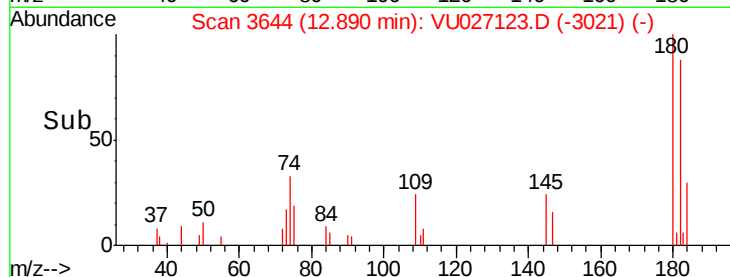
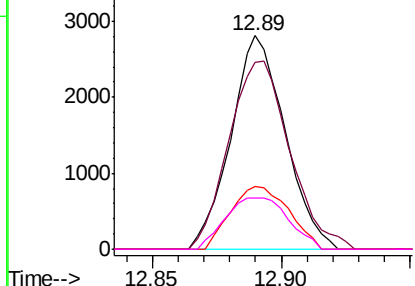
#67
 1,3,5-Trichlorobenzene
 Concen: 3.697 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion:180 Resp: 4107
 Ion Ratio Lower Upper
 180 100
 182 99.1 76.3 114.5
 184 31.4 24.6 37.0
 145 28.0 23.6 35.4

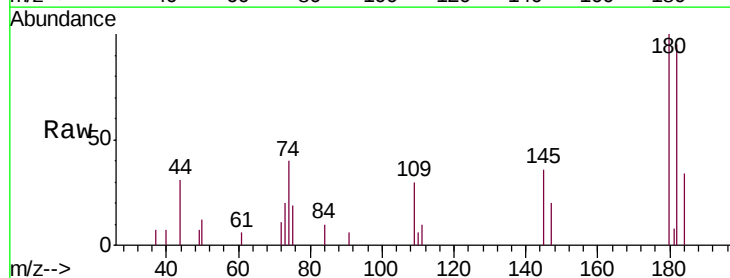


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

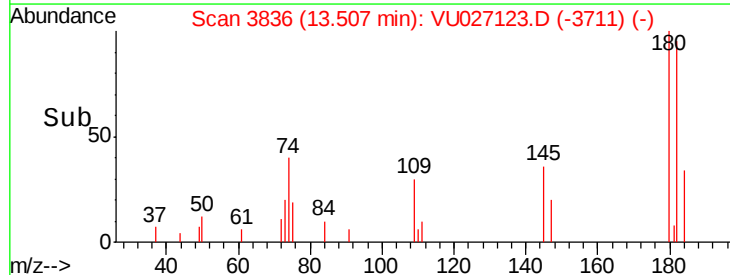
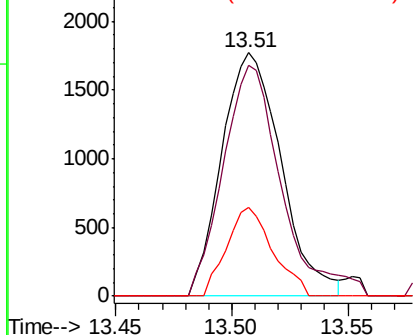


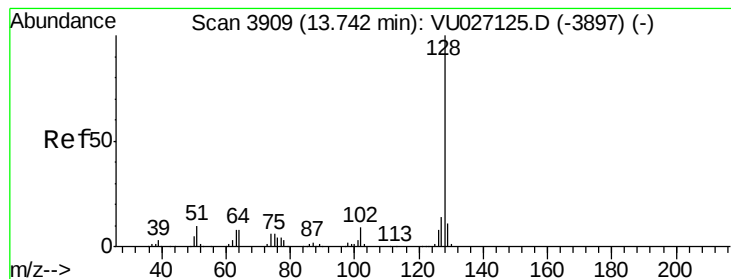
#68
 1,2,4-trichlorobenzene
 Concen: 3.330 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027123.D
 Acq: 25 Sep 2018 10:34

Tgt Ion:180 Resp: 3147
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.4 114.6
 145 28.1 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

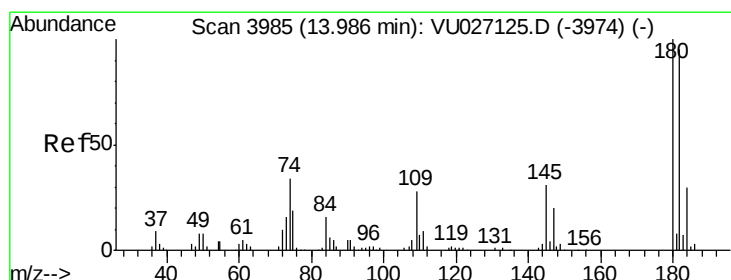
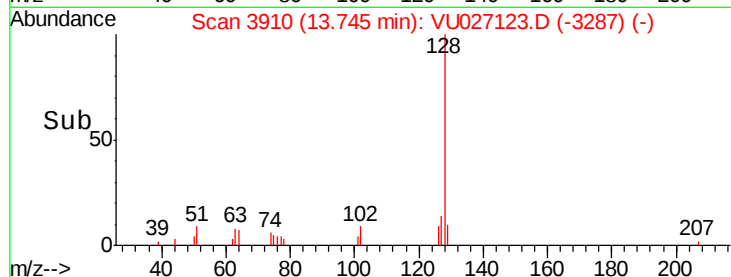
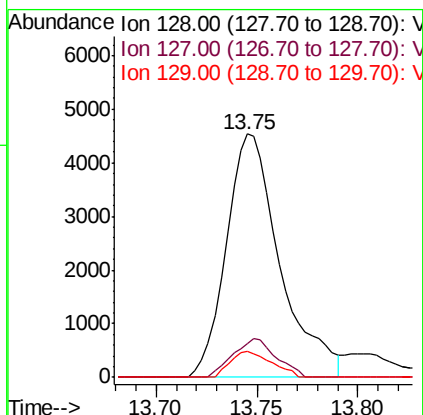
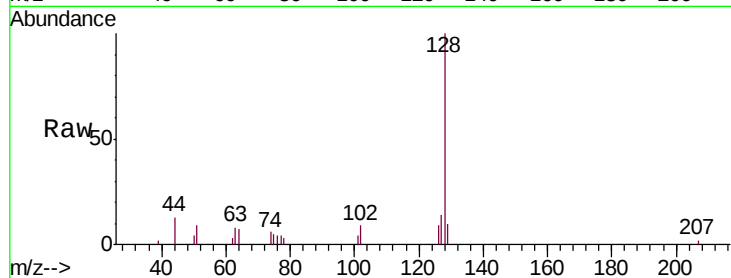




#69
Naphthalene
Concen: 2.625 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Tgt Ion:128 Resp: 8424
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 8.3 8.6 13.0#



#70
1,2,3-Trichlorobenzene
Concen: 3.634 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027123.D
Acq: 25 Sep 2018 10:34

Tgt Ion:180 Resp: 3773
Ion Ratio Lower Upper
180 100
182 85.1 77.0 115.4
145 26.1 25.6 38.4

