

Data File : VU027126.D
Acq On : 25 Sep 2018 11:58
Operator : MD/SY
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10053

Quant Time: Sep 26 01:44:40 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	179193	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176132	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85686	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	164567	103.23	ug/L	0.00
7) Chloroethane-d5	1.67	69	129795	103.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	307959	101.56	ug/L	0.00
21) 2-Butanone-d5	4.18	46	279327	215.49	ug/L	0.00
24) Chloroform-d	4.65	84	267800	105.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	184923	101.92	ug/L	0.00
32) Benzene-d6	5.34	84	539055	103.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	189887	102.23	ug/L	0.00
41) Toluene-d8	7.57	98	488318	106.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	90919	109.60	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	205565	229.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	255801	102.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	172220	98.37	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	175899	100.513	ug/L	98
3) Chloromethane	1.33	50	224899	101.115	ug/L	99
5) Vinyl chloride	1.40	62	207126	99.216	ug/L	100
6) Bromomethane	1.62	94	89332	100.438	ug/L	97
8) Chloroethane	1.69	64	121081	99.566	ug/L	99
9) Trichlorofluoromethane	1.88	101	221432	99.592	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	124837	97.816	ug/L	99
12) 1,1-Dichloroethene	2.28	96	118004	99.828	ug/L	91
13) Acetone	2.32	43	231155	193.099	ug/L	100
14) Carbon disulfide	2.48	76	400549	97.360	ug/L	99
15) Methyl Acetate	2.61	43	214487	98.611	ug/L	99
16) Methylene chloride	2.70	84	149951	98.728	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	128345	99.592	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	467146	104.033	ug/L	99
19) 1,1-Dichloroethane	3.45	63	296630	100.156	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	147862	101.948	ug/L	96
22) 2-Butanone	4.26	43	324521	207.823	ug/L	100
23) Bromochloromethane	4.55	128	67310	98.690	ug/L	98
25) Chloroform	4.67	83	273349	98.422	ug/L	98
27) 1,2-Dichloroethane	5.40	62	231386	100.409	ug/L	100
29) Cyclohexane	5.00	56	277188	107.039	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	218519	99.123	ug/L	99
31) Carbon tetrachloride	5.14	117	186507	99.856	ug/L	100
33) Benzene	5.39	78	588213	99.529	ug/L	100
34) Trichloroethene	6.19	95	135359	98.171	ug/L	99
35) Methylcyclohexane	6.42	83	243775	104.885	ug/L	99
37) 1,2-Dichloropropane	6.43	63	178716	98.608	ug/L	100
38) Bromodichloromethane	6.76	83	204643	99.403	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	262662	107.698	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	579123	217.813	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	609553	104.571	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	248404	105.390	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	142828	99.467	ug/L	99
46) Tetrachloroethene	8.23	164	98549	99.664	ug/L	99
48) 2-Hexanone	8.36	43	461906	212.900	ug/L	99
49) Dibromochloromethane	8.48	129	150012	102.391	ug/L	100
50) 1,2-Dibromoethane	8.59	107	147453	99.990	ug/L	98
51) Chlorobenzene	9.12	112	367486	99.663	ug/L	99
52) Ethylbenzene	9.25	91	673705	105.845	ug/L	99
53) m,p-Xylene	9.38	106	243790	107.578	ug/L	100
54) o-xylene	9.78	106	242246	109.126	ug/L	98
55) Styrene	9.79	104	422325	110.960	ug/L	99
56) Isopropylbenzene	10.17	105	639035	110.263	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	262035	100.066	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	211222	99.832	ug/L	100
61) Bromoform	9.96	173	105826	96.174	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	262797	98.652	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	272241	96.322	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	275890	95.891	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	57878	99.130	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	195453	100.512	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	172888	104.506	ug/L	99
69) Naphthalene	13.74	128	643909	114.629	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	186564	102.654	ug/L	99

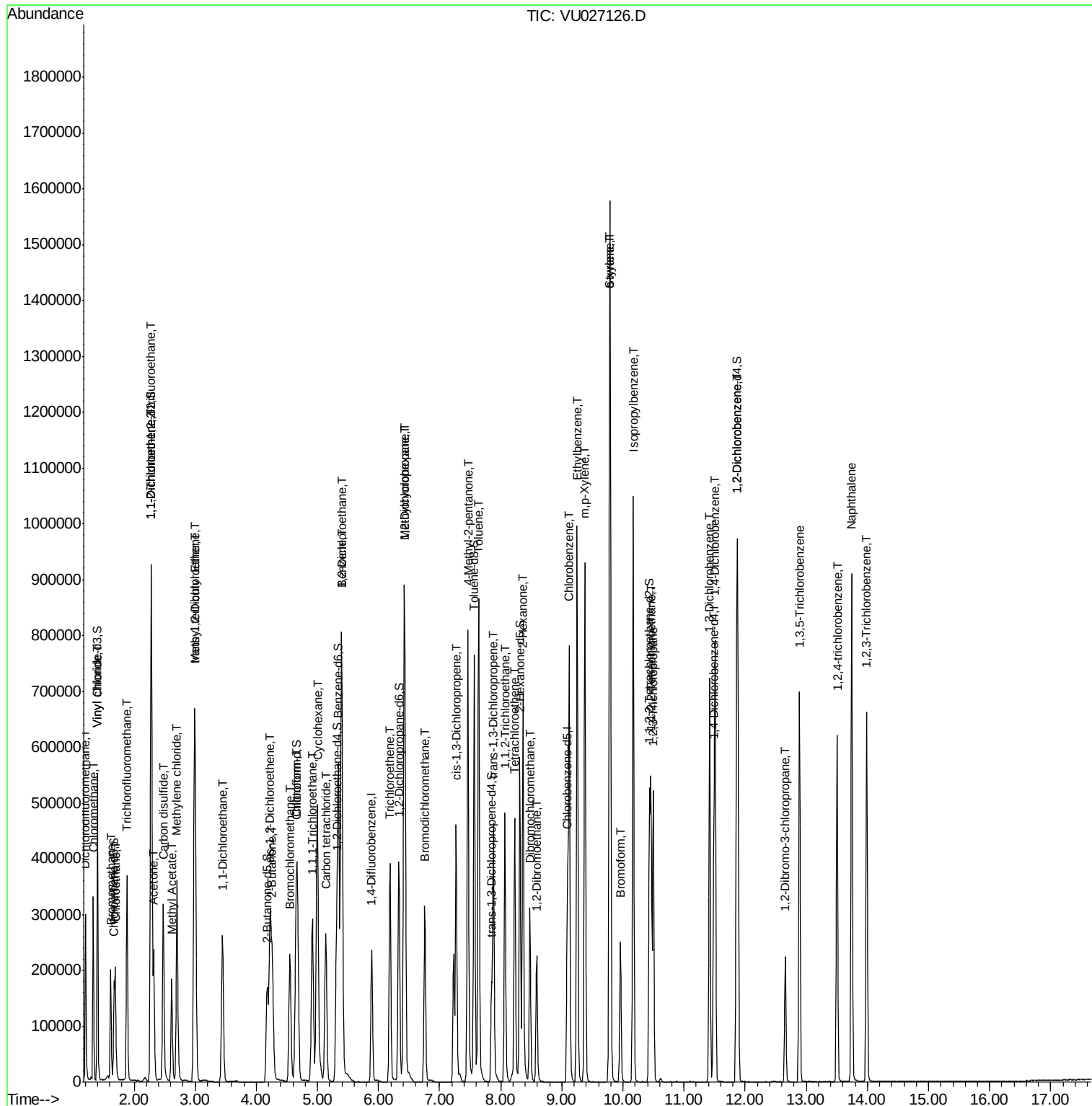
(#) = qualifier out of range (m) = manual integration (+) = signals summed

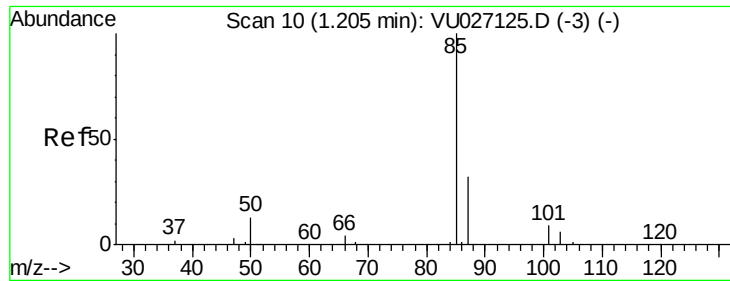
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#2

Dichlorodifluoromethane

Concen: 100.513 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027126.D

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Instrument :

MSVOA_U

ClientSampleId :

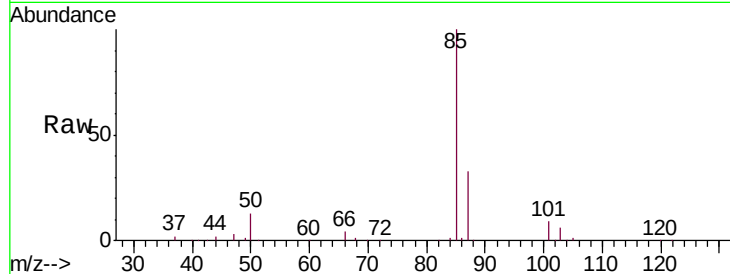
VSTD10053

Tgt Ion: 85 Resp: 175899

Ion Ratio Lower Upper

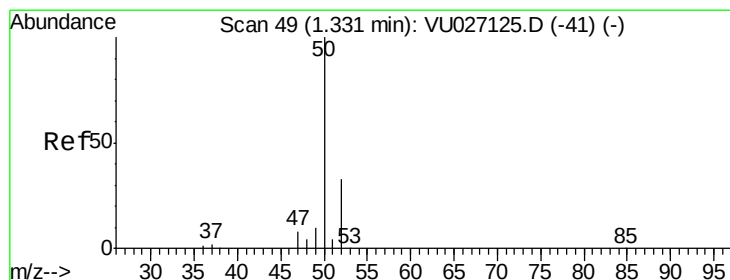
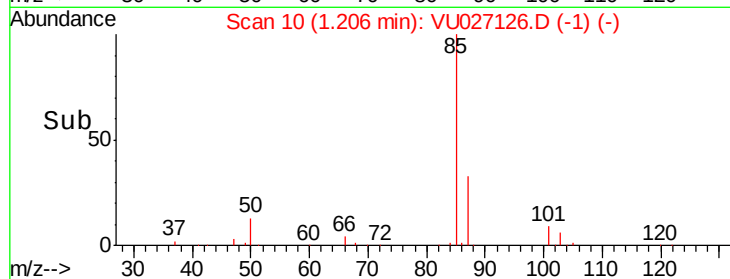
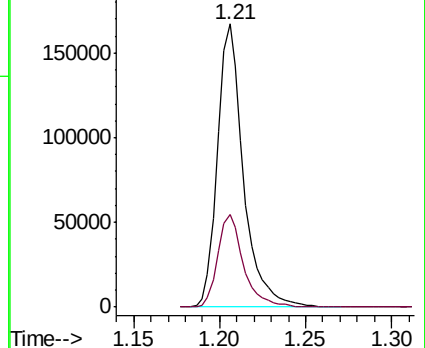
85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 101.115 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027126.D

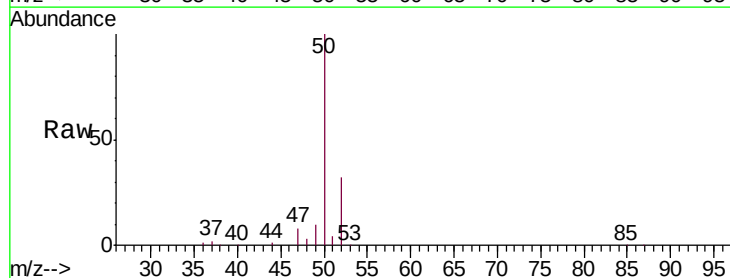
Acq: 25 Sep 2018 11:58

Tgt Ion: 50 Resp: 224899

Ion Ratio Lower Upper

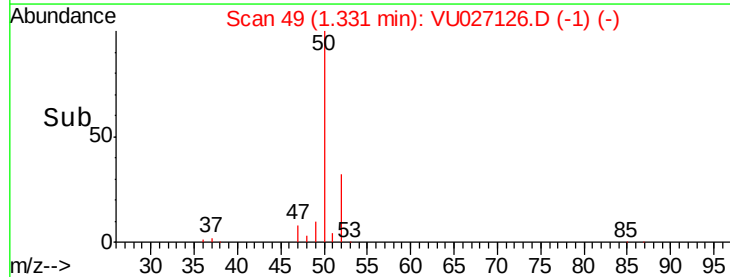
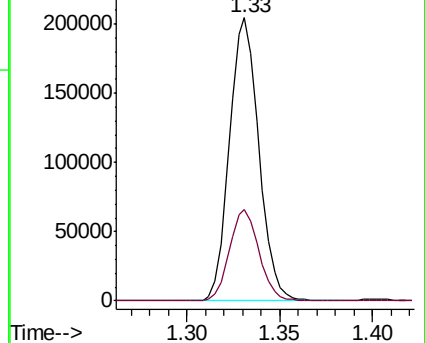
50 100

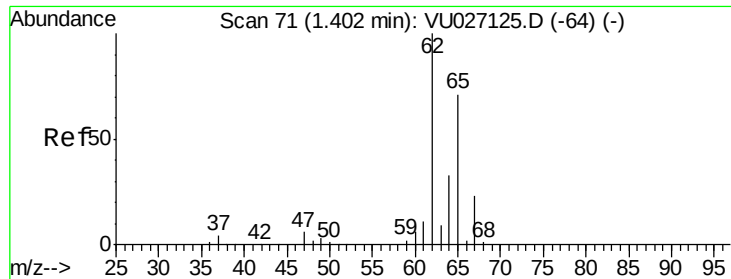
52 32.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 99.216 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

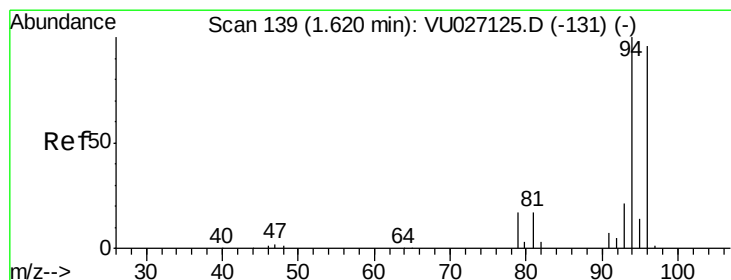
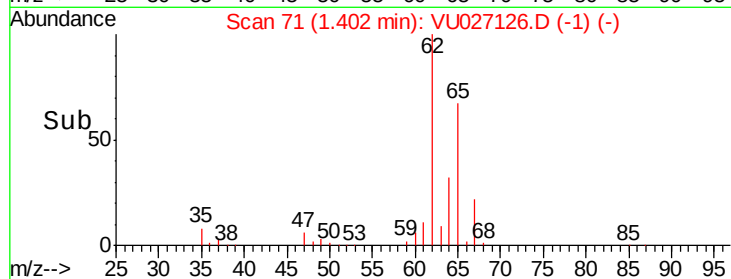
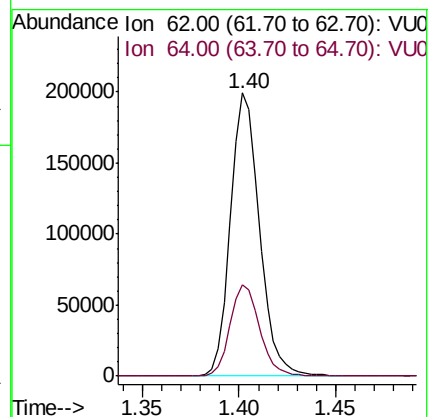
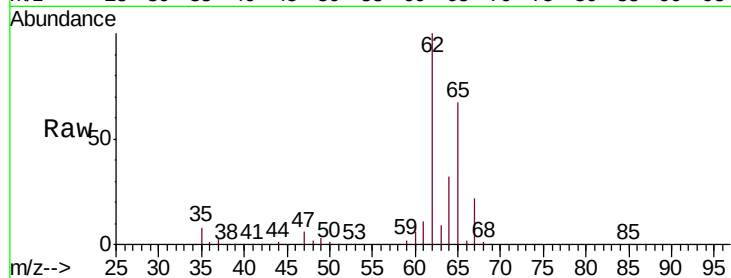
VSTD10053

Tgt Ion: 62 Resp: 207126

Ion Ratio Lower Upper

62 100

64 32.5 22.8 42.4



#6

Bromomethane

Concen: 100.438 ug/L

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU027126.D

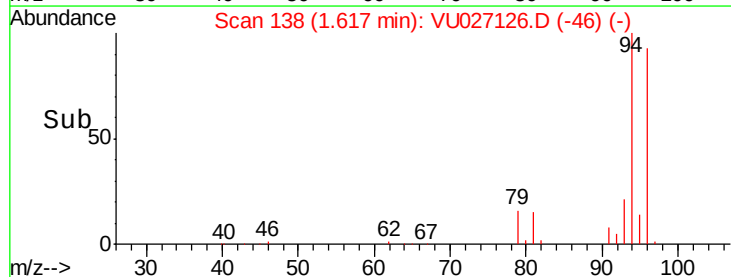
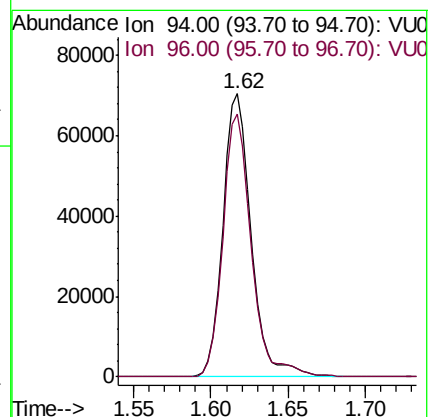
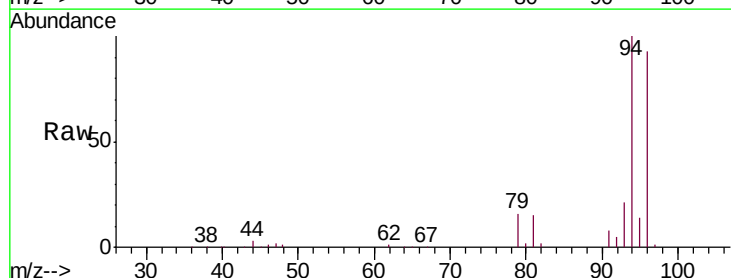
Acq: 25 Sep 2018 11:58

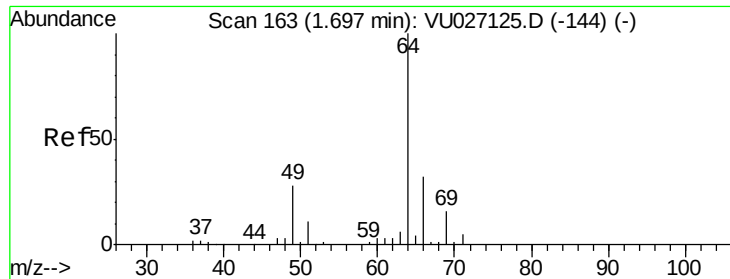
Tgt Ion: 94 Resp: 89332

Ion Ratio Lower Upper

94 100

96 92.8 67.1 124.5





#8

Chloroethane

Concen: 99.566 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

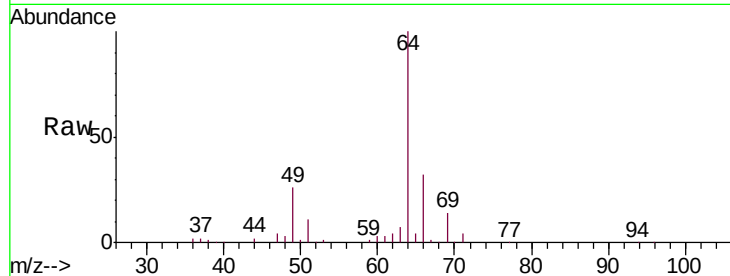
VSTD10053

Tgt Ion: 64 Resp: 121081

Ion Ratio Lower Upper

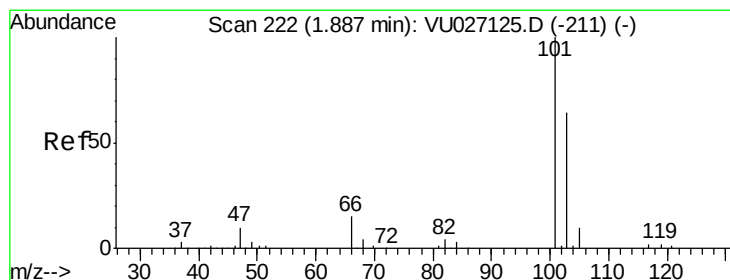
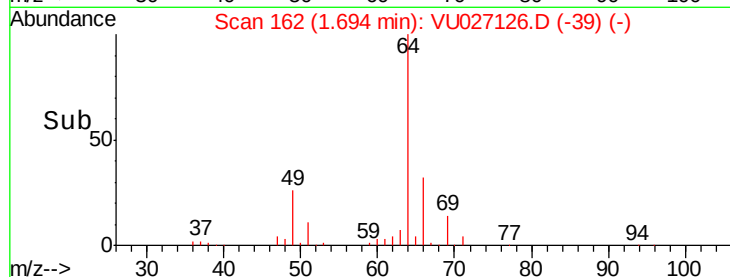
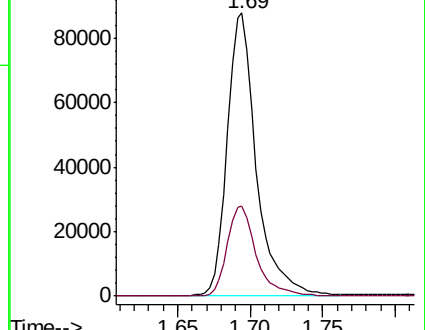
64 100

66 31.8 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU027125.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VU027125.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 99.592 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU027126.D

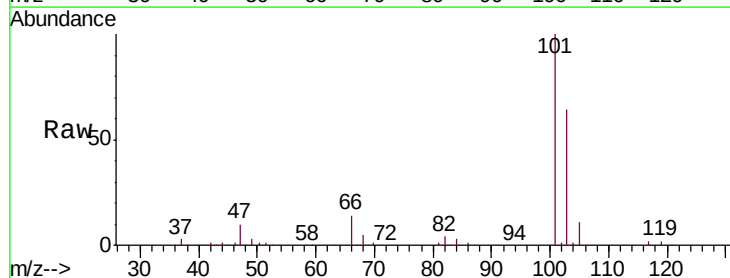
Acq: 25 Sep 2018 11:58

Tgt Ion: 101 Resp: 221432

Ion Ratio Lower Upper

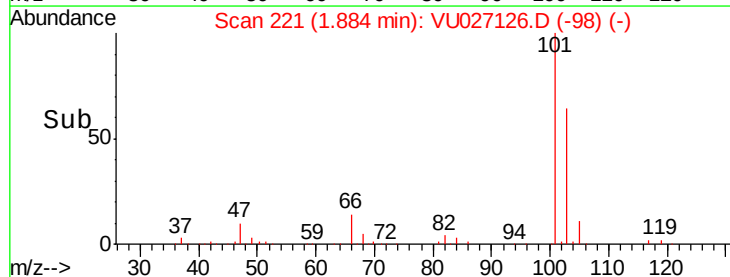
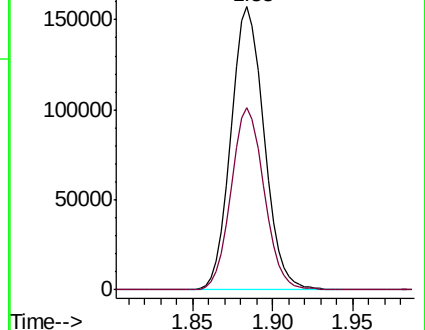
101 100

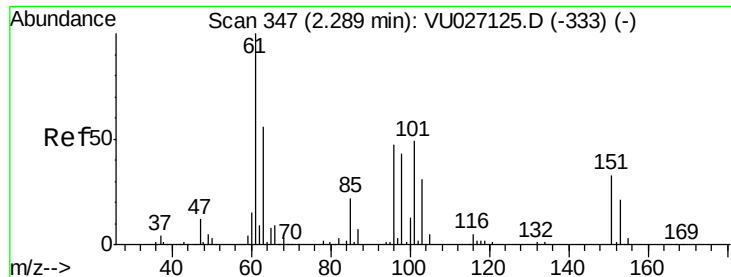
103 64.1 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU027125.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU027125.D (-211) (-)





#10

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

Concen: 97.816 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

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ClientSampleId :

VSTD10053

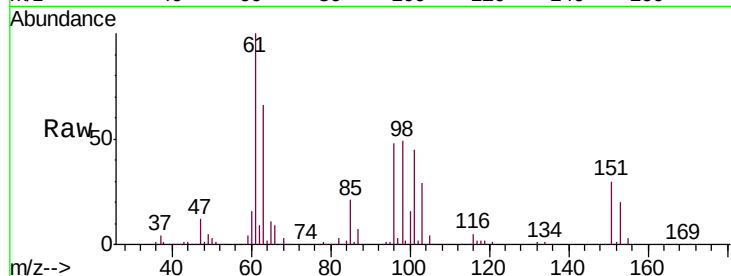
Tgt Ion: 101 Resp: 124837

Ion Ratio Lower Upper

101 100

85 46.8 37.0 55.6

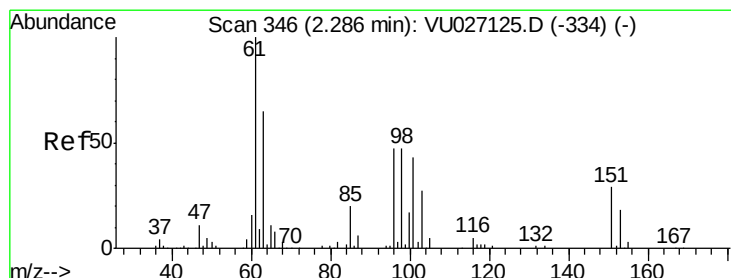
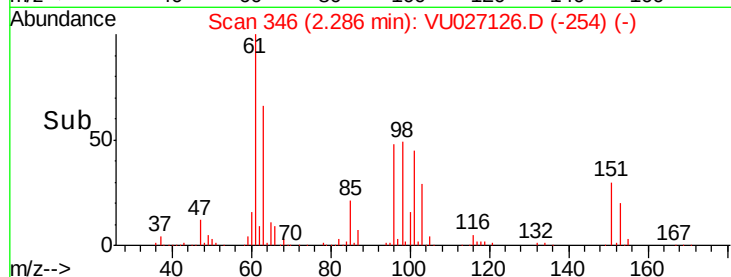
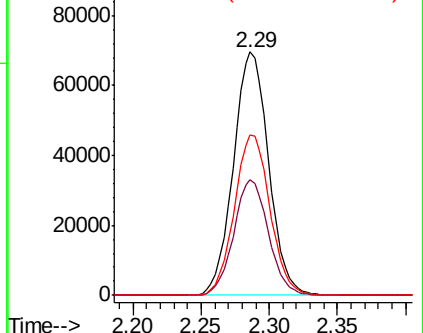
151 66.4 53.5 80.3



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: 99.828 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

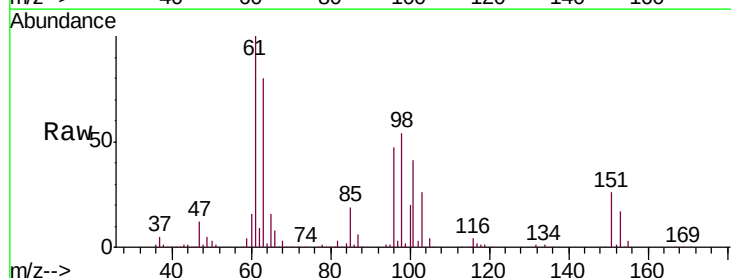
Tgt Ion: 96 Resp: 118004

Ion Ratio Lower Upper

96 100

61 211.8 150.0 278.6

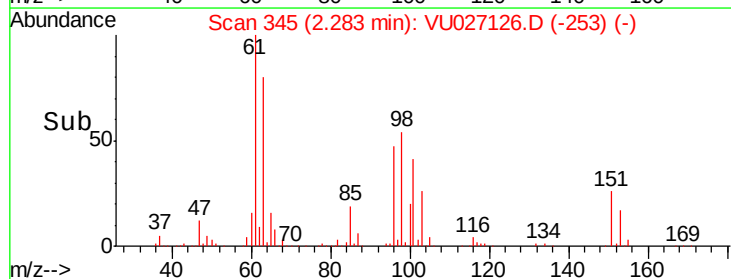
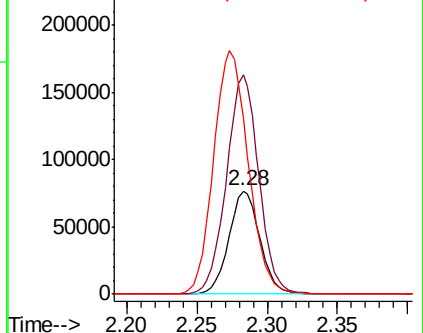
63 169.6 101.8 189.0

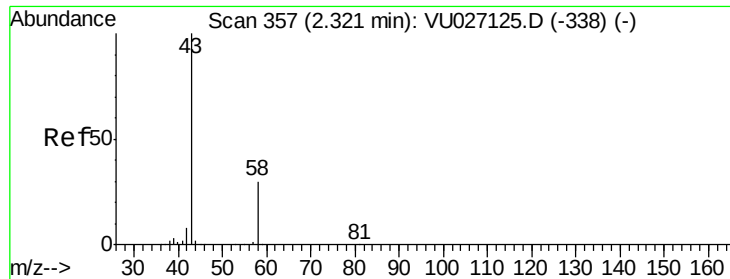


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 193.099 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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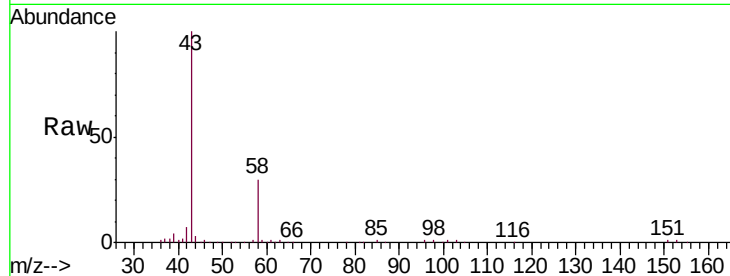
VSTD10053

Tgt Ion: 43 Resp: 231155

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.6



Abundance Ion 43.00 (42.70 to 43.70): VU027126.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU027126.D (-338) (-)

2.32

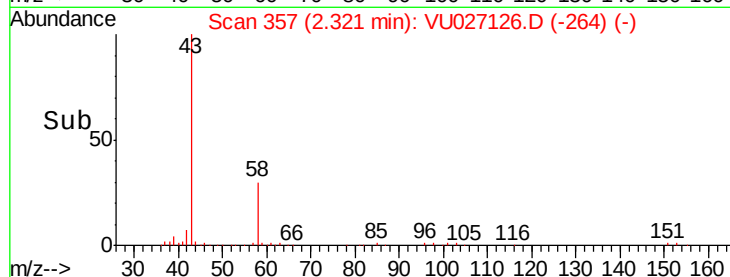
150000

100000

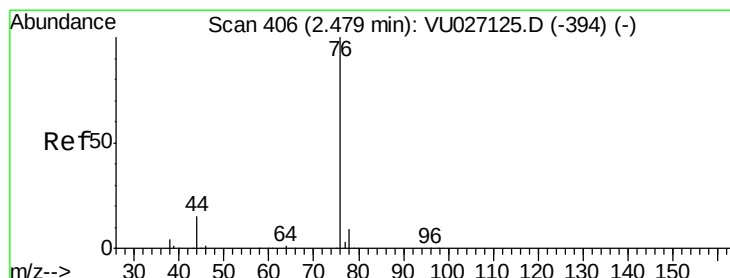
50000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 97.360 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027126.D

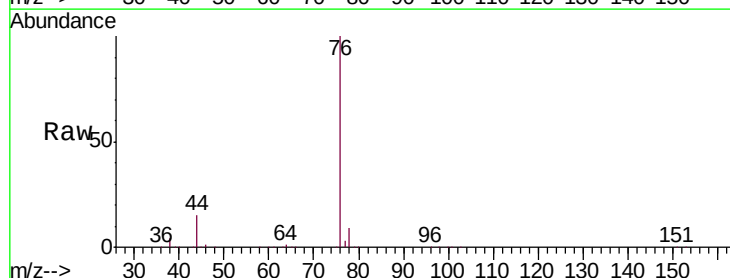
Acq: 25 Sep 2018 11:58

Tgt Ion: 76 Resp: 400549

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU027126.D (-313) (-)

Ion 78.00 (77.70 to 78.70): VU027126.D (-313) (-)

2.48

250000

200000

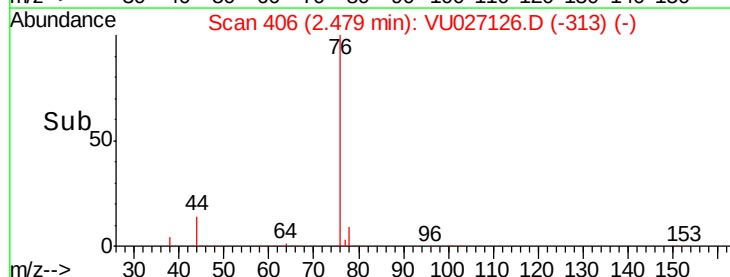
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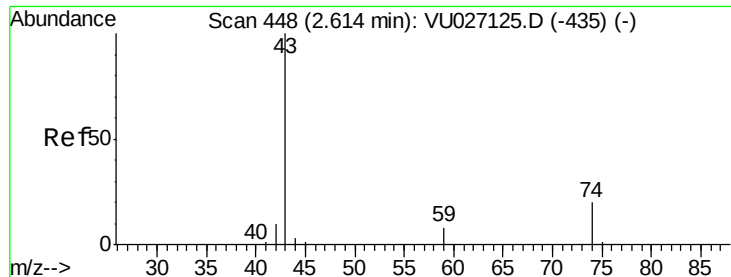
50000

0

Time-->



Time-->



#15

Methyl Acetate

Concen: 98.611 ug/L

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

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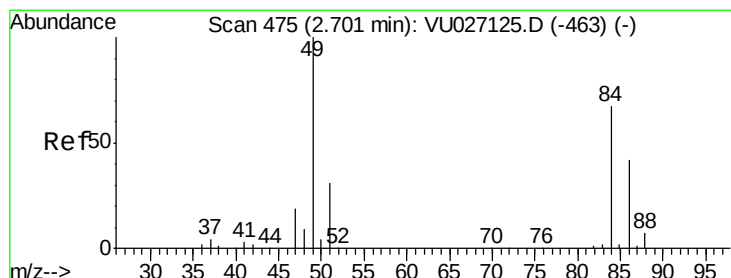
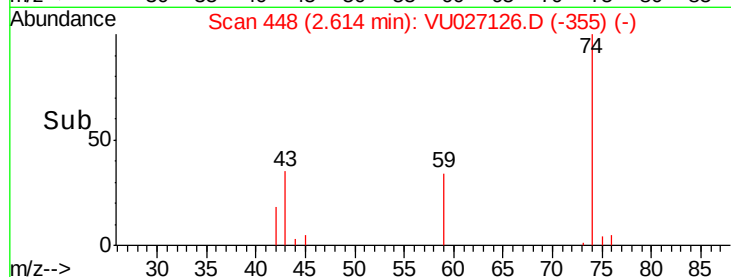
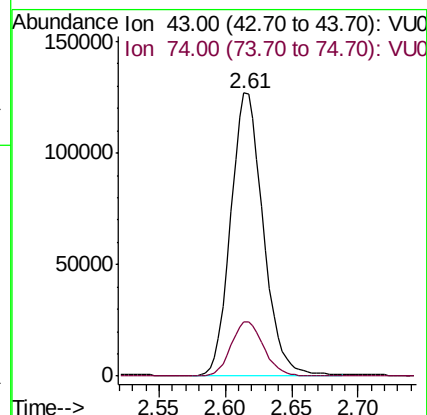
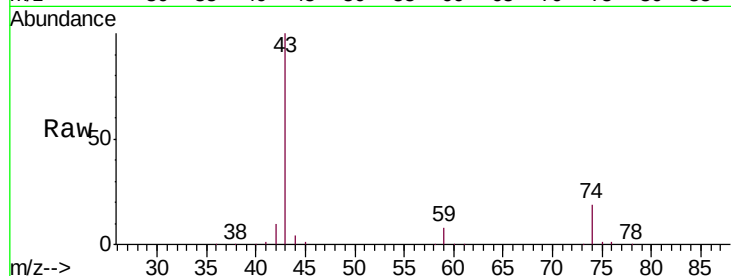
VSTD10053

Tgt Ion: 43 Resp: 214487

Ion Ratio Lower Upper

43 100

74 19.6 15.9 23.9



#16

Methylene chloride

Concen: 98.728 ug/L

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

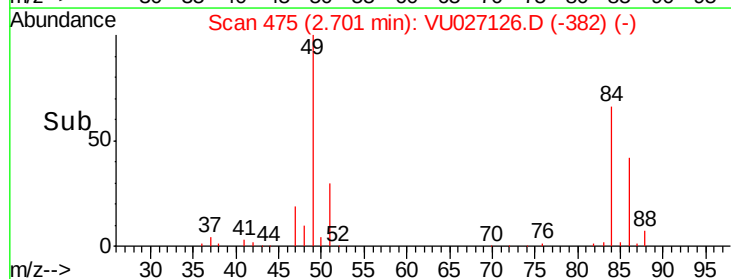
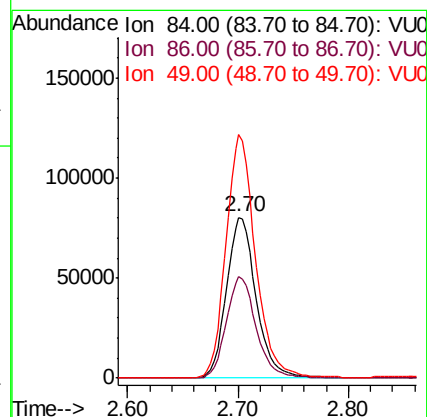
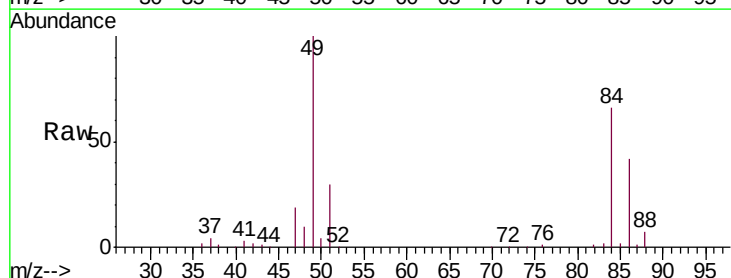
Tgt Ion: 84 Resp: 149951

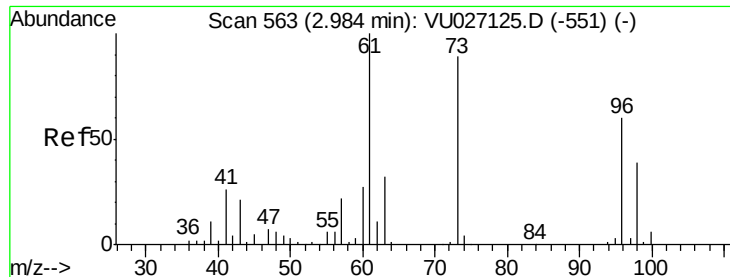
Ion Ratio Lower Upper

84 100

86 62.9 43.8 81.3

49 151.4 104.4 194.0





#17

trans-1,2-Dichloroethene

Concen: 99.592 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD10053

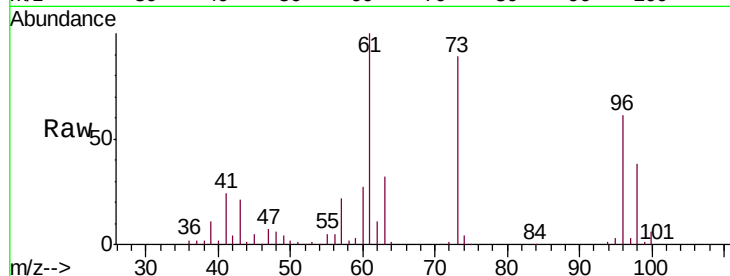
Tgt Ion: 96 Resp: 128345

Ion Ratio Lower Upper

96 100

61 162.8 117.2 217.8

98 62.3 45.3 84.1

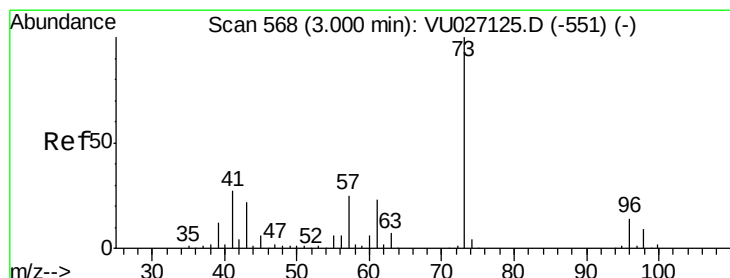
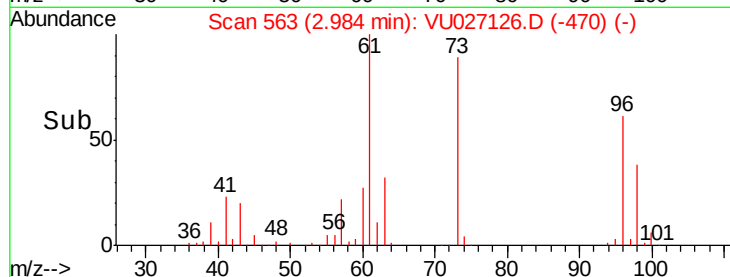
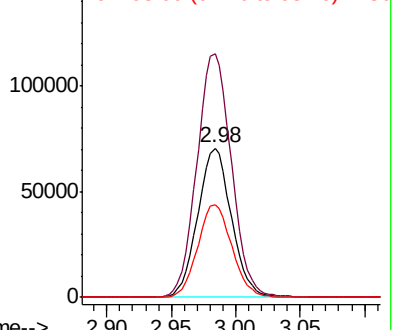


Abundance

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: 104.033 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

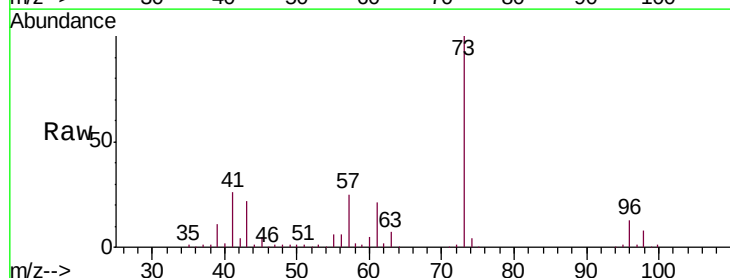
Tgt Ion: 73 Resp: 467146

Ion Ratio Lower Upper

73 100

43 22.1 17.9 26.9

57 24.5 20.0 30.0

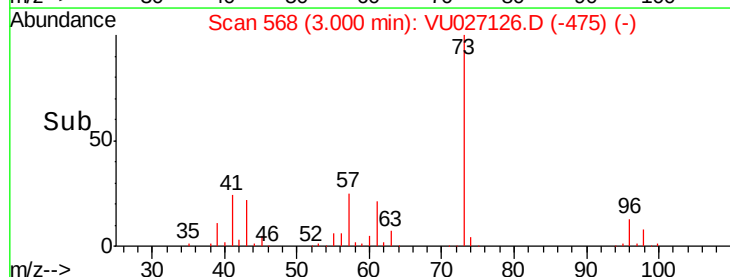
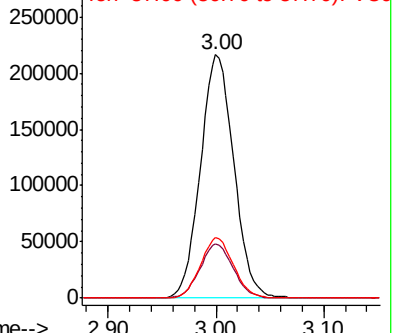


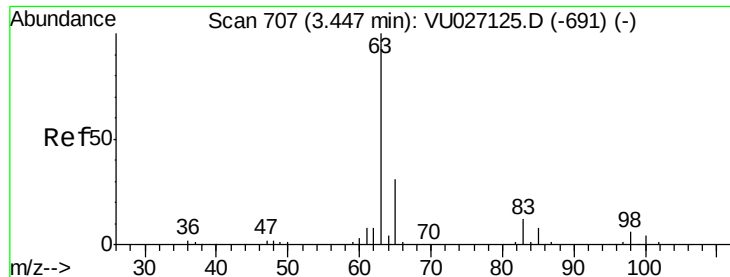
Abundance

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: 100.156 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD10053

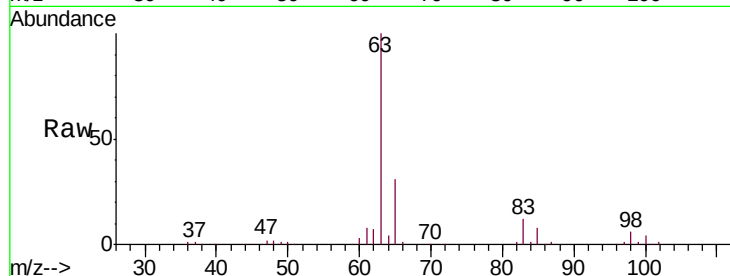
Tgt Ion: 63 Resp: 296630

Ion Ratio Lower Upper

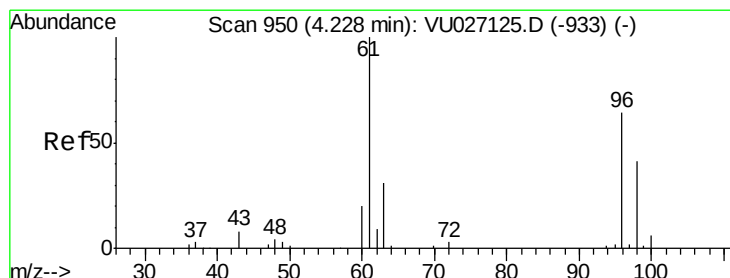
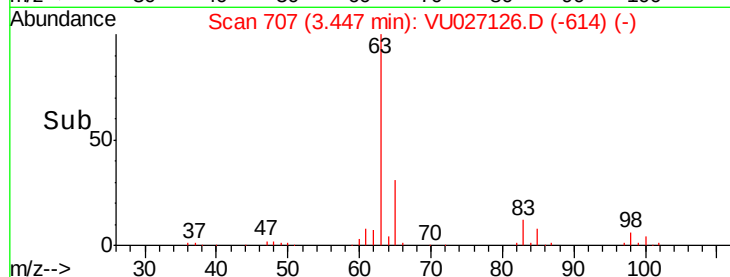
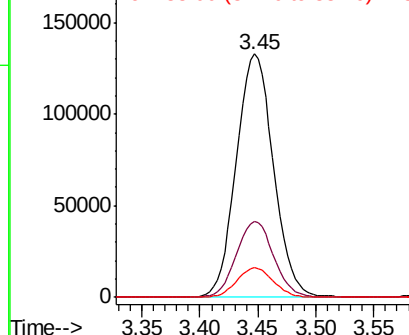
63 100

65 31.2 22.0 40.8

83 12.2 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: 101.948 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

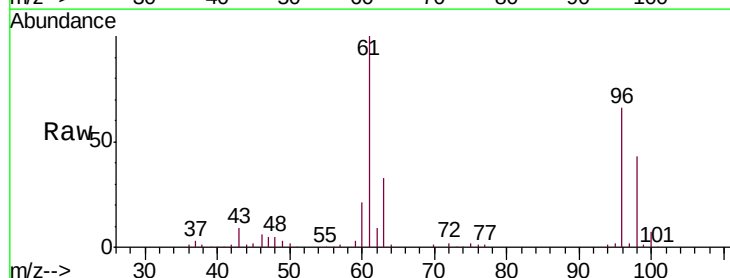
Tgt Ion: 96 Resp: 147862

Ion Ratio Lower Upper

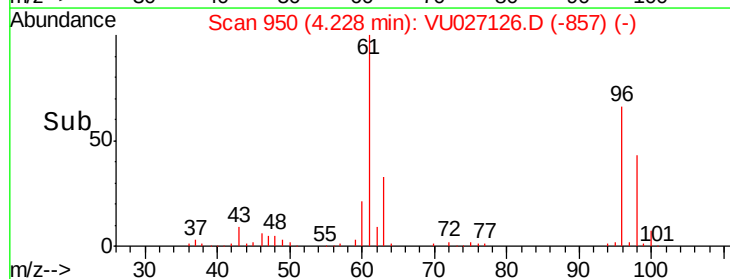
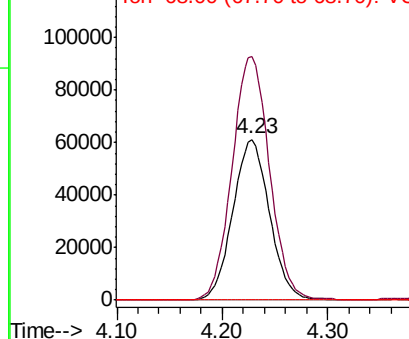
96 100

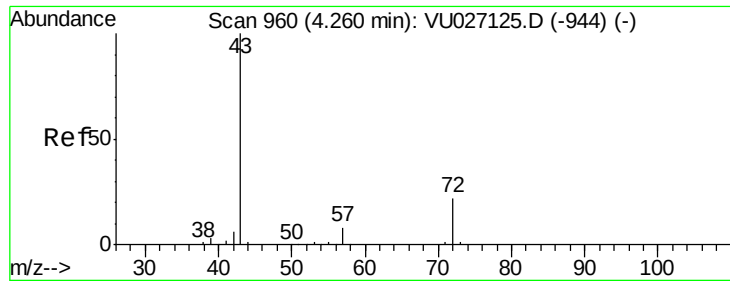
61 151.6 109.6 203.6

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: 207.823 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampled :

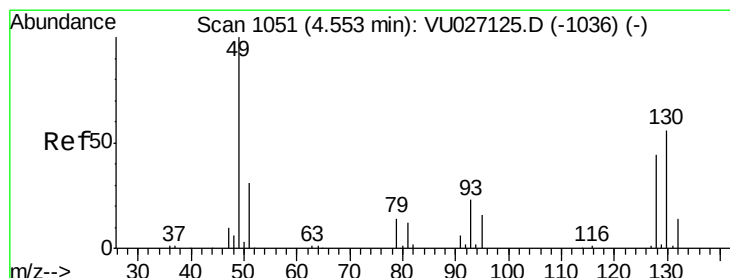
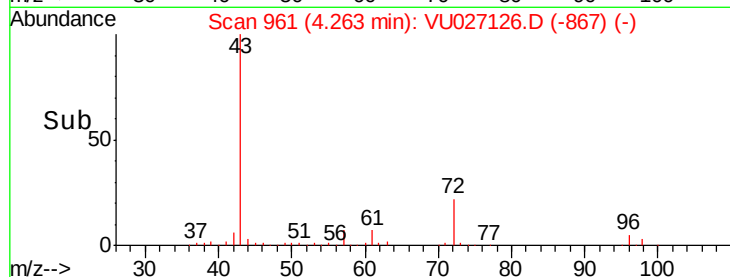
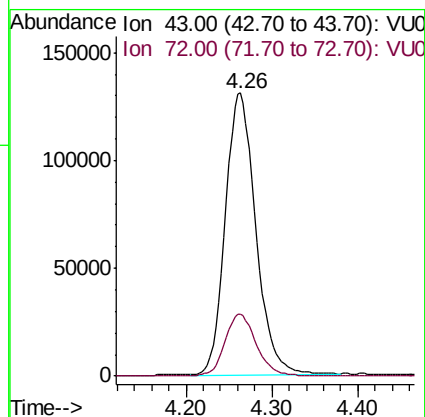
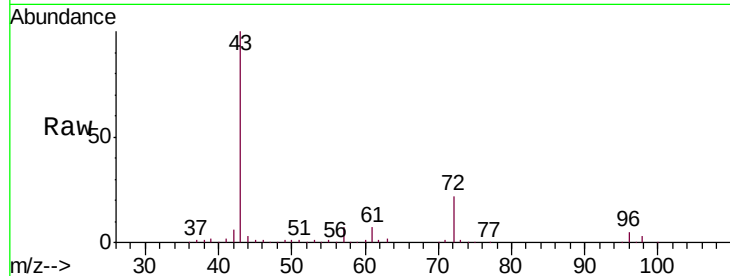
VSTD10053

Tgt Ion: 43 Resp: 324521

Ion Ratio Lower Upper

43 100

72 22.6 11.3 33.9



#23

Bromochloromethane

Concen: 98.690 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Tgt Ion: 128 Resp: 67310

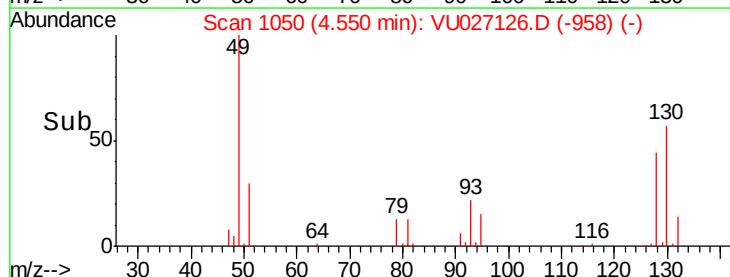
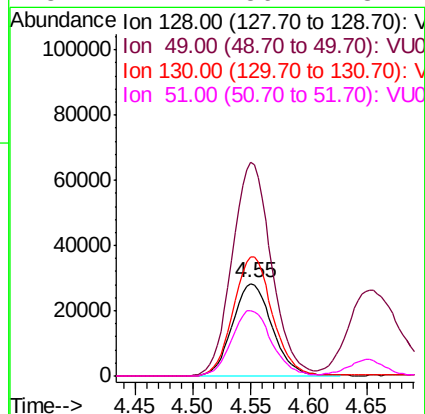
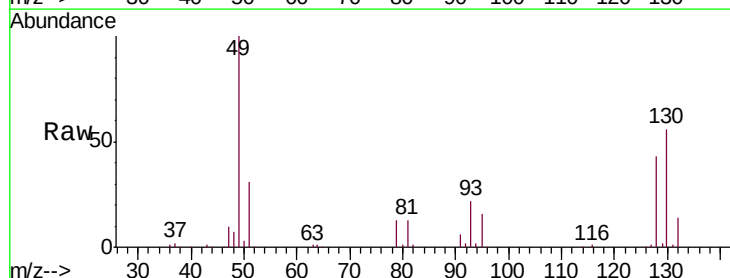
Ion Ratio Lower Upper

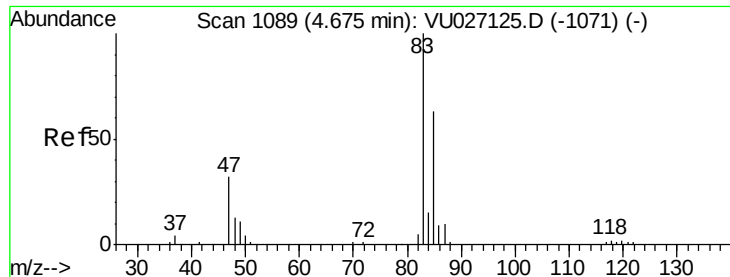
128 100

49 231.5 159.0 295.4

130 129.7 88.6 164.6

51 71.4 56.2 84.2

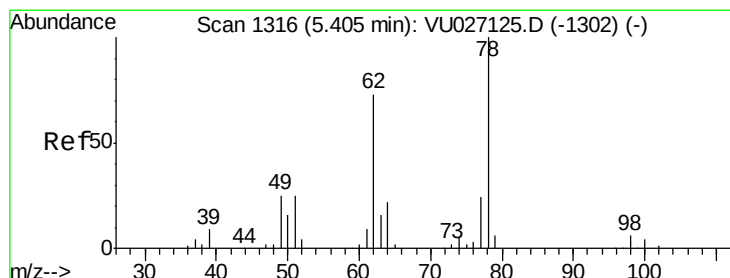
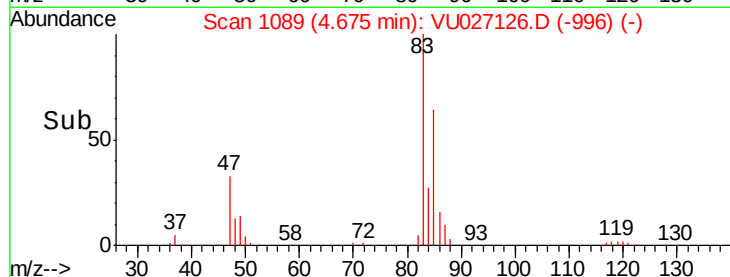
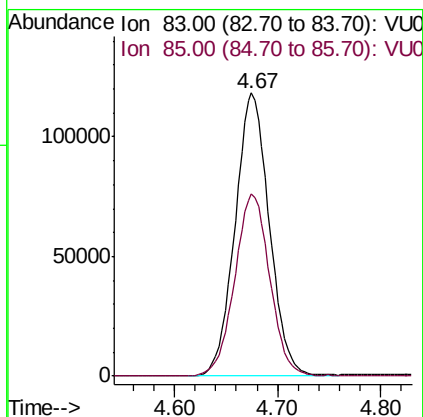
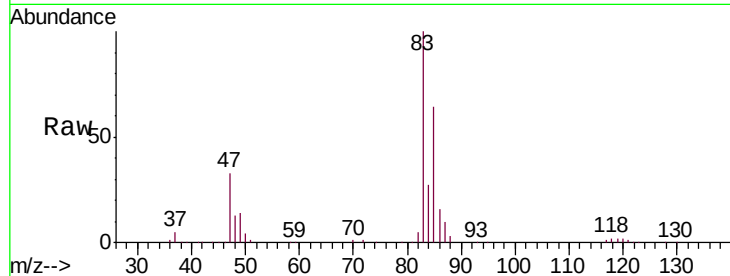




#25
Chloroform
Concen: 98.422 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

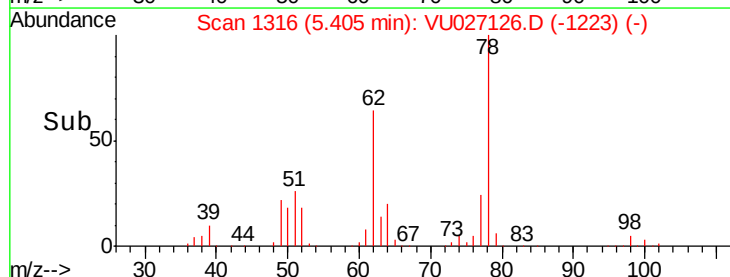
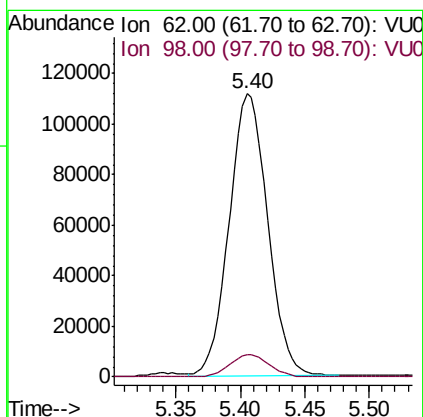
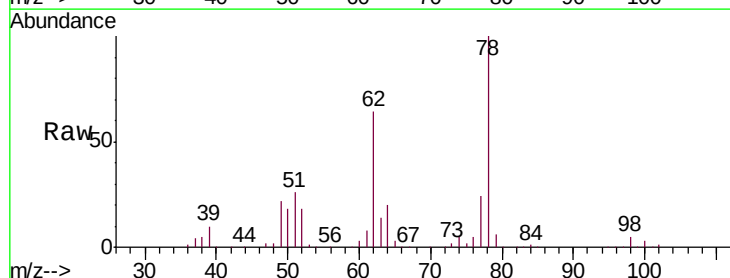
Instrument :
MSVOA_U
ClientSampleId :
VSTD10053

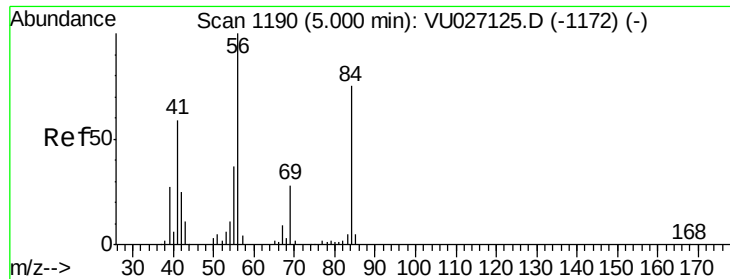
Tgt Ion: 83 Resp: 273349
Ion Ratio Lower Upper
83 100
85 64.2 44.0 81.6



#27
1,2-Dichloroethane
Concen: 100.409 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

Tgt Ion: 62 Resp: 231386
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6

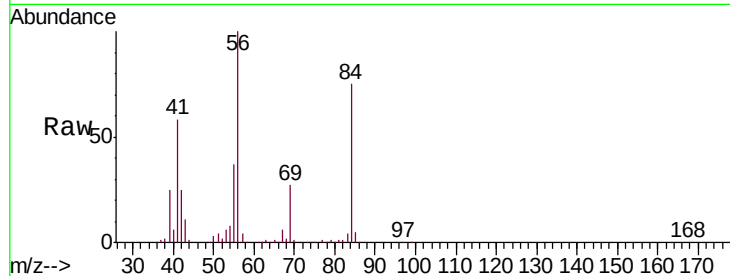




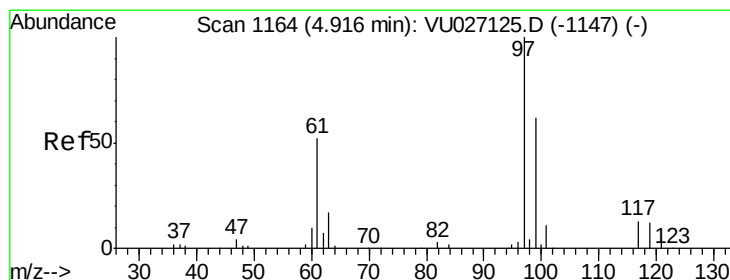
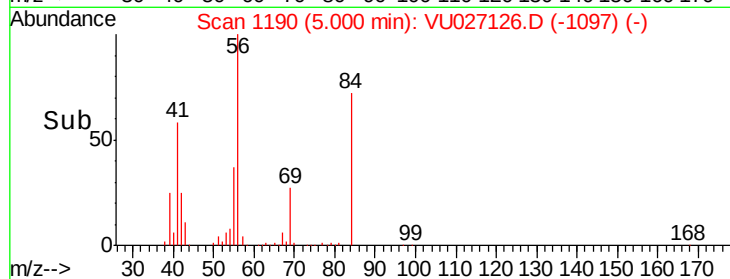
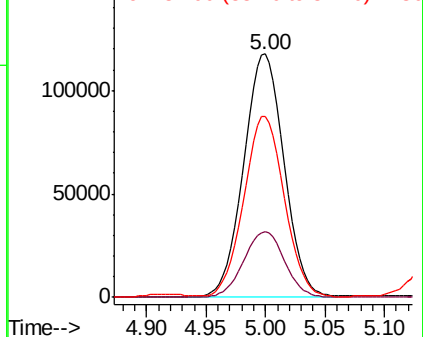
#29
Cyclohexane
Concen: 107.039 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD10053

Tgt Ion: 56 Resp: 277188
Ion Ratio Lower Upper
56 100
69 27.4 22.3 33.5
84 73.9 59.8 89.8

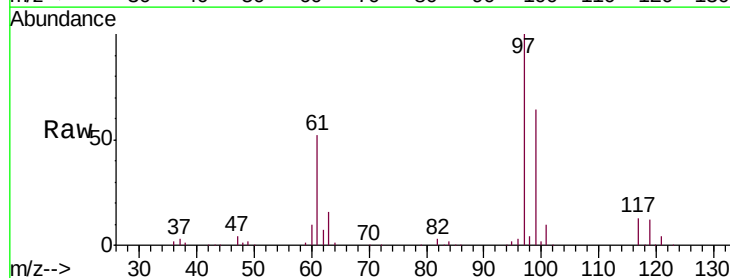


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

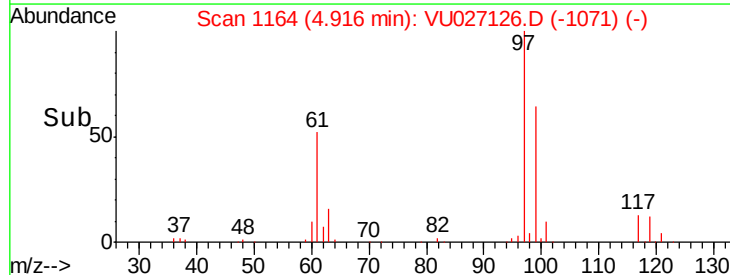
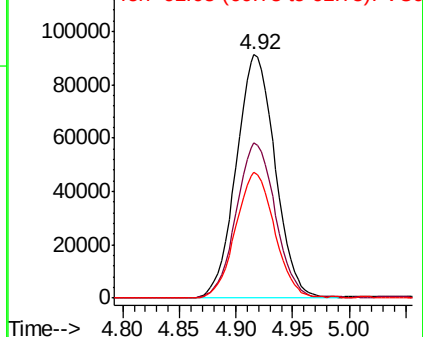


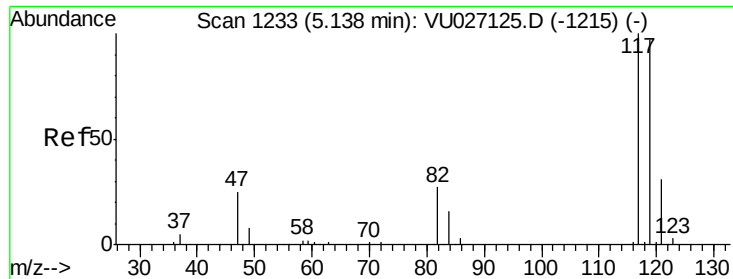
#30
1,1,1-Trichloroethane
Concen: 99.123 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

Tgt Ion: 97 Resp: 218519
Ion Ratio Lower Upper
97 100
99 63.9 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: 99.856 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

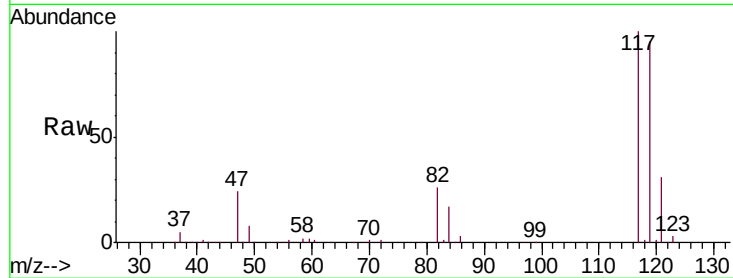
VSTD10053

Tgt Ion:117 Resp: 186507

Ion Ratio Lower Upper

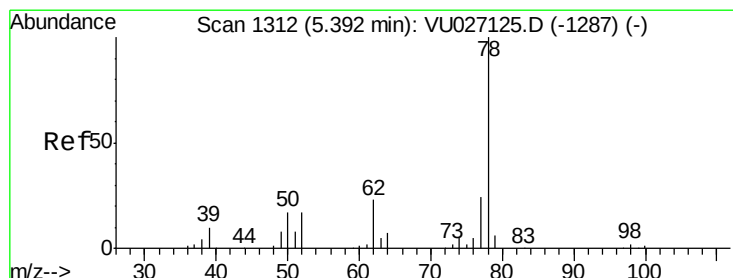
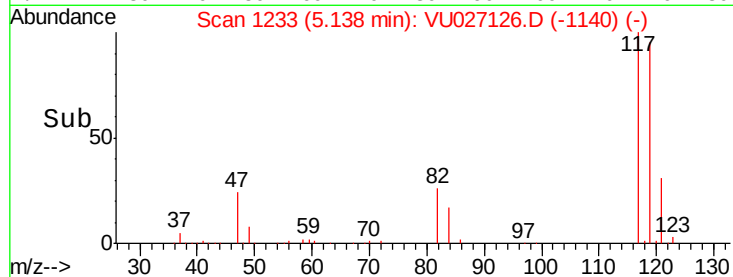
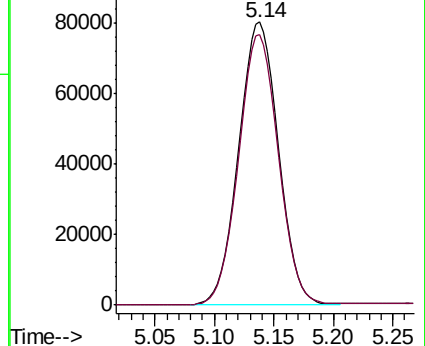
117 100

119 95.8 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: 99.529 ug/L

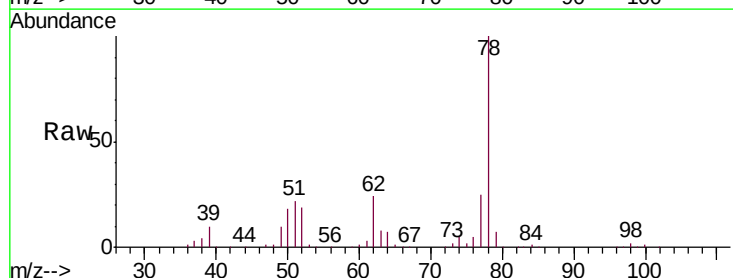
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

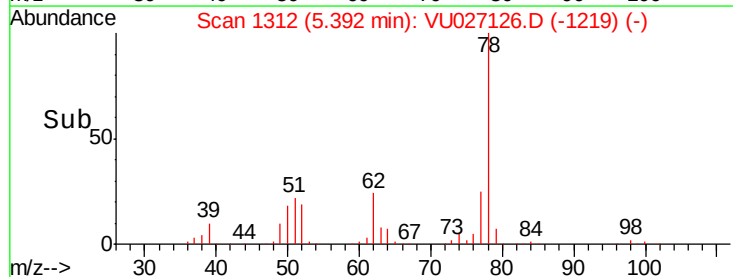
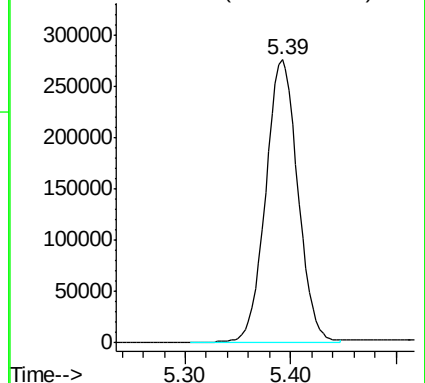
Lab File: VU027126.D

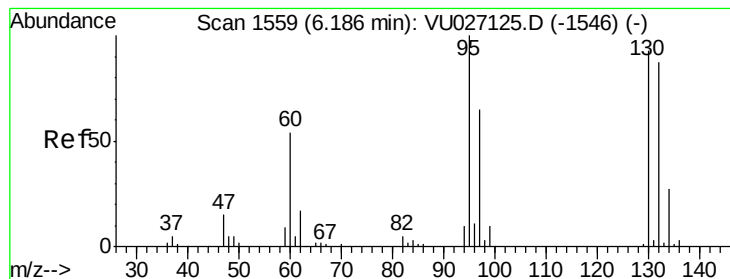
Acq: 25 Sep 2018 11:58

Tgt Ion: 78 Resp: 588213



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 98.171 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD10053

Tgt Ion: 95 Resp: 135359

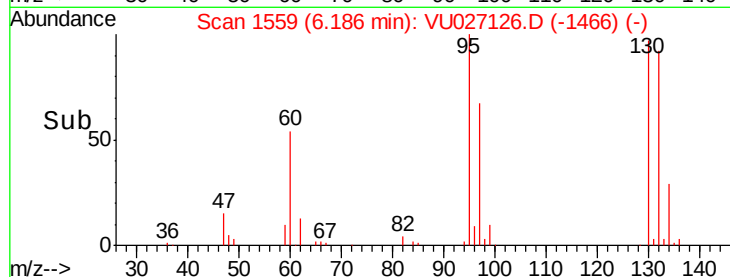
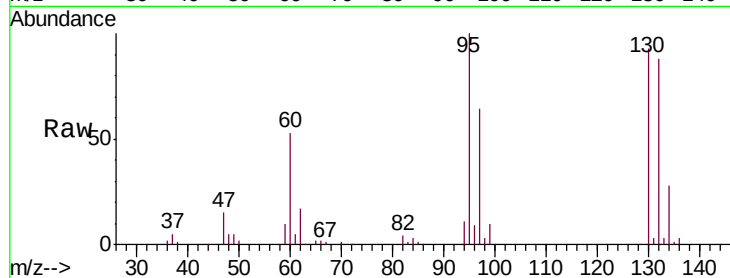
Ion Ratio Lower Upper

95 100

97 64.0 45.4 84.2

132 88.1 61.1 113.5

130 92.6 65.0 120.6

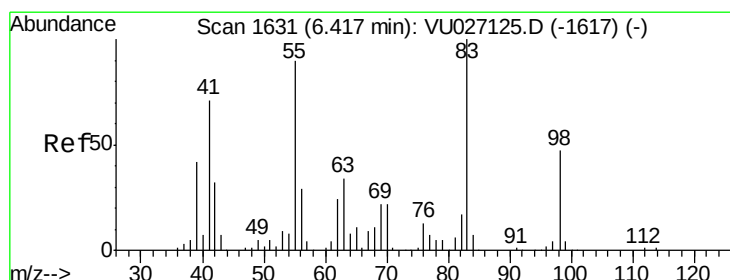
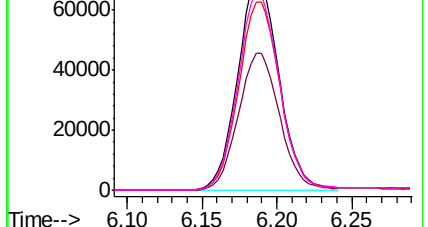


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 104.885 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

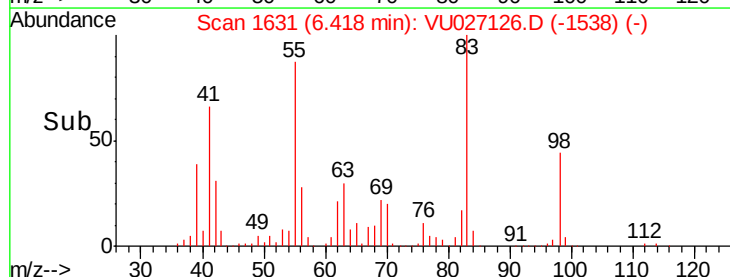
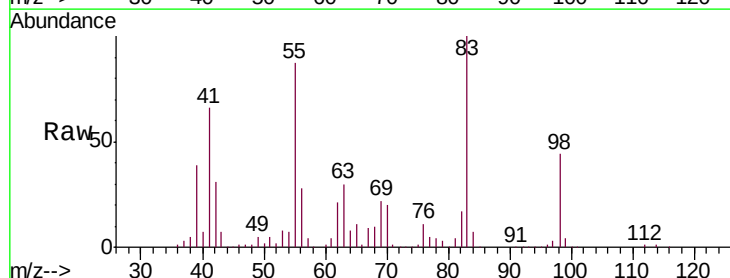
Tgt Ion: 83 Resp: 243775

Ion Ratio Lower Upper

83 100

55 89.9 73.2 109.8

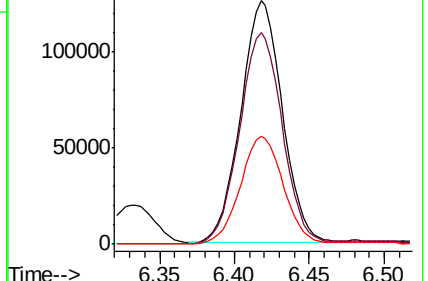
98 46.1 37.0 55.6

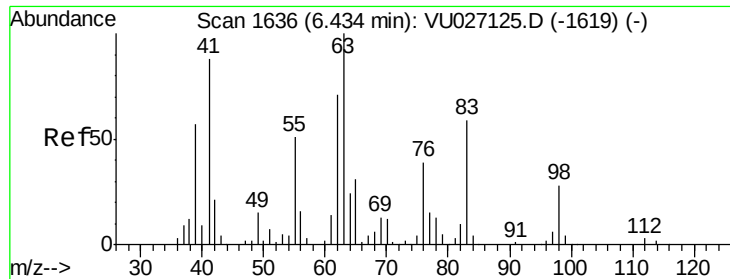


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

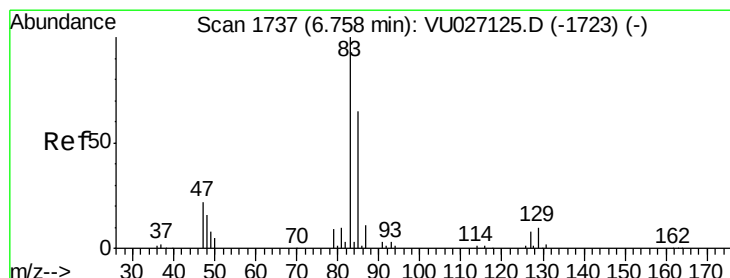
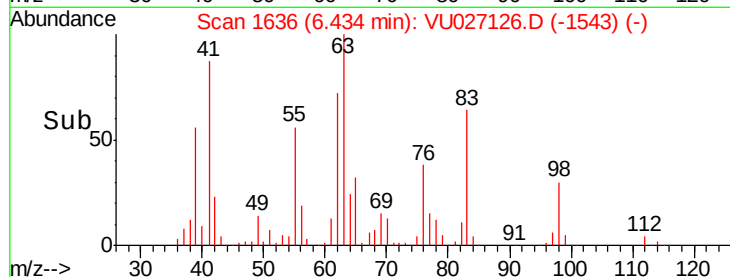
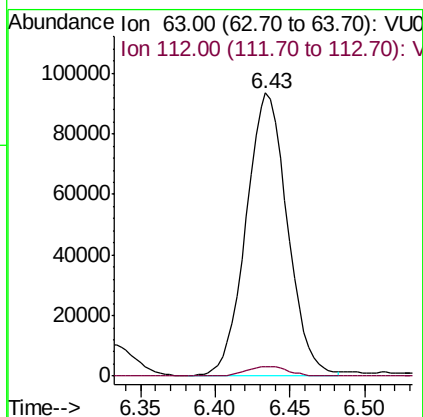
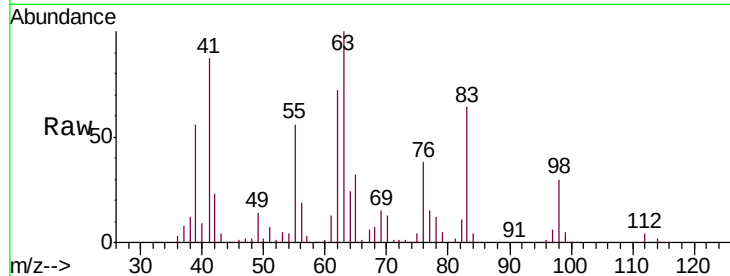




#37
 1,2-Dichloropropane
 Concen: 98.608 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

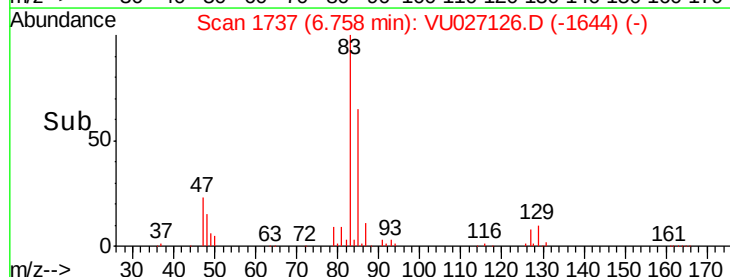
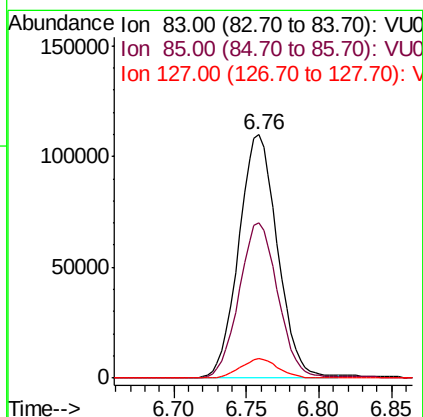
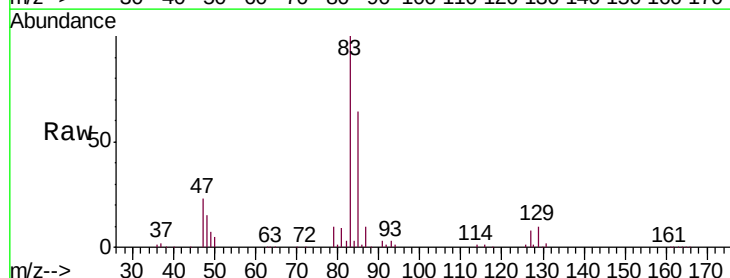
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10053

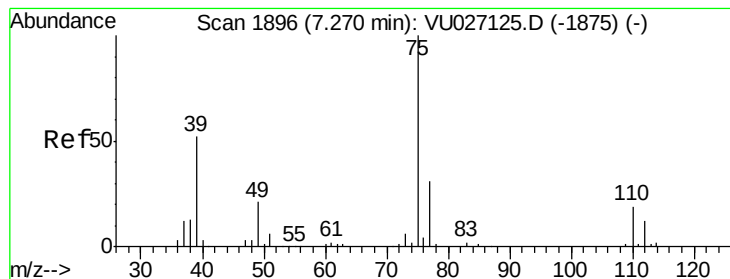
Tgt Ion: 63 Resp: 178716
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 99.403 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

Tgt Ion: 83 Resp: 204643
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.3 84.1
 127 7.9 6.6 9.8



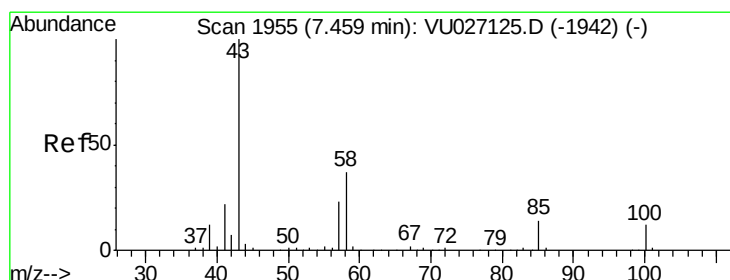
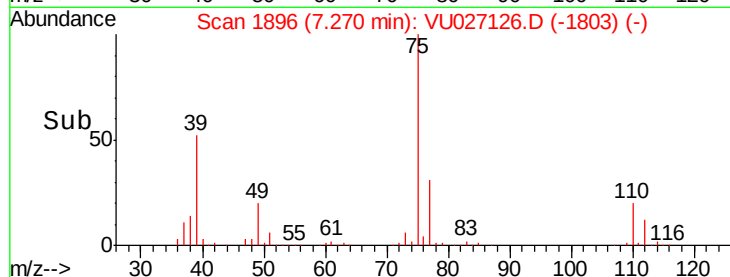
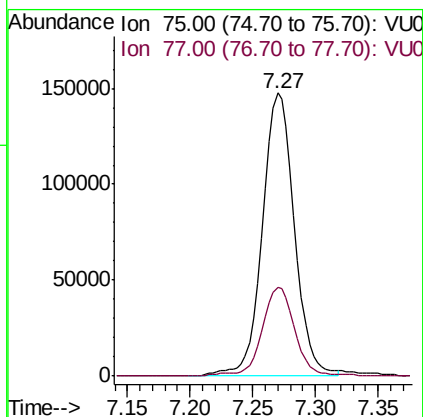
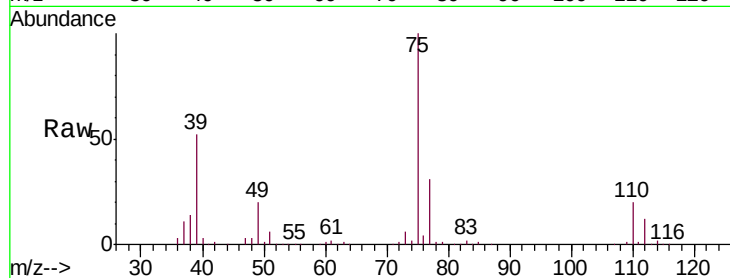


#39

cis-1,3-Dichloropropene
 Concen: 107.698 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10053

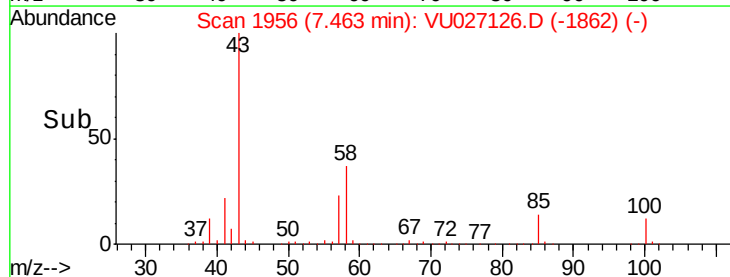
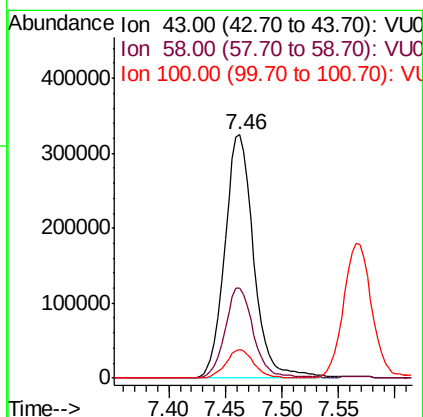
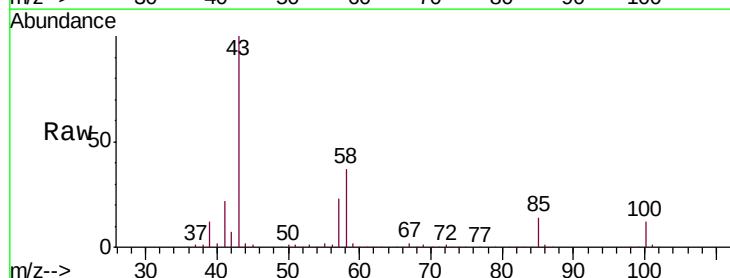
Tgt Ion: 75 Resp: 262662
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.5 39.9

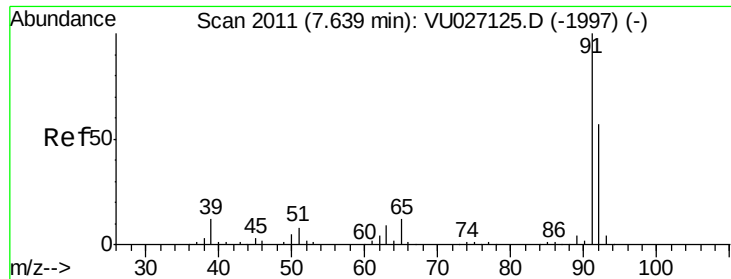


#40

4-Methyl-2-pentanone
 Concen: 217.813 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

Tgt Ion: 43 Resp: 579123
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.0 43.6
 100 11.5 9.4 14.0





#42

Toluene

Concen: 104.571 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

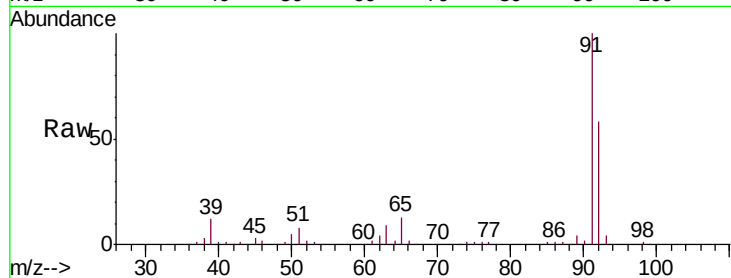
VSTD10053

Tgt Ion: 91 Resp: 609553

Ion Ratio Lower Upper

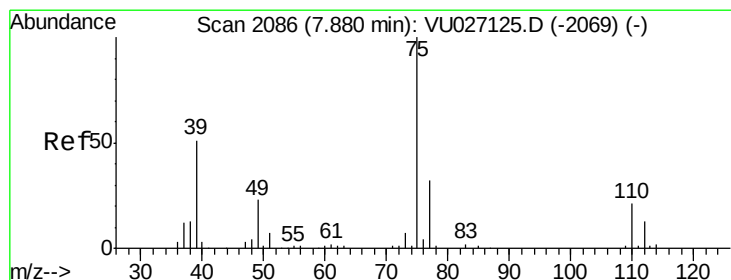
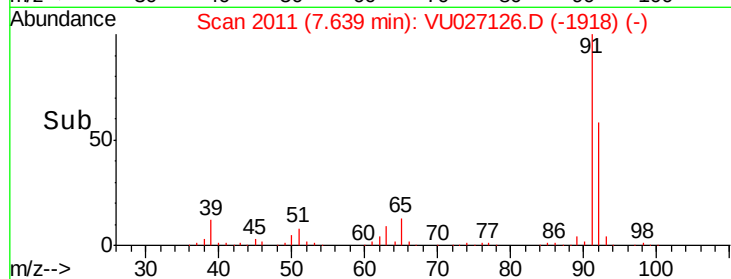
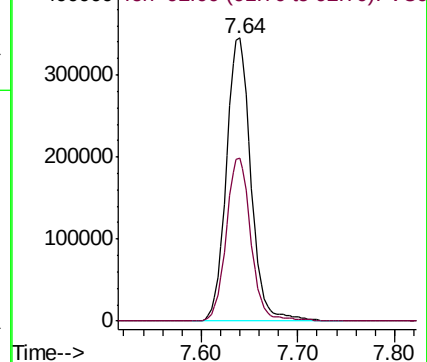
91 100

92 57.5 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: 105.390 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027126.D

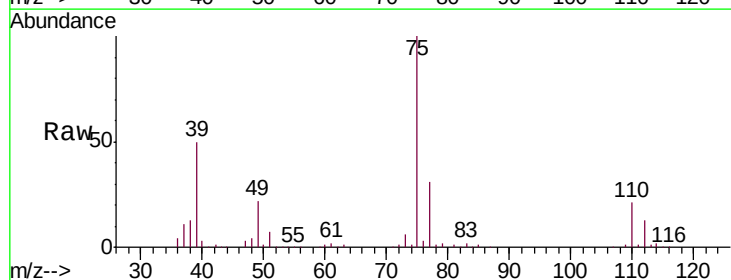
Acq: 25 Sep 2018 11:58

Tgt Ion: 75 Resp: 248404

Ion Ratio Lower Upper

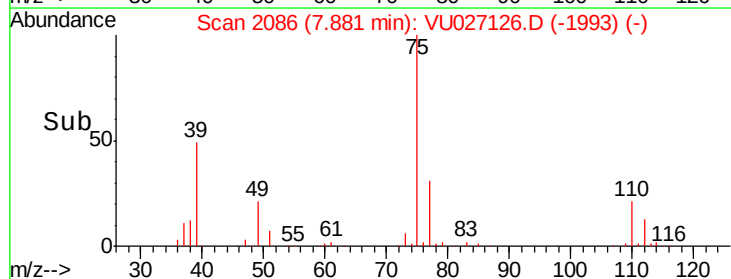
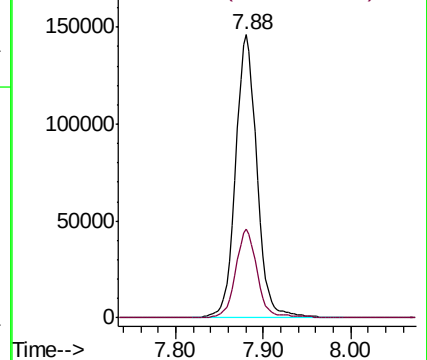
75 100

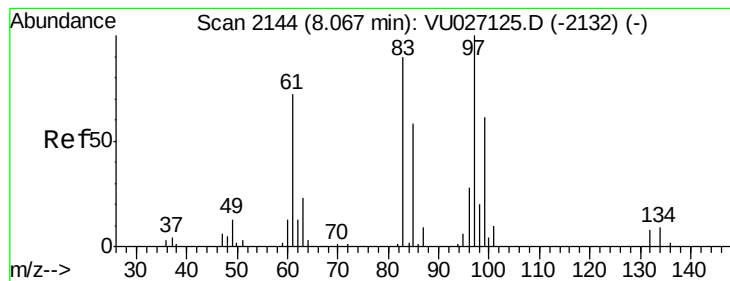
77 31.4 22.3 41.5



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: 99.467 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD10053

Tgt Ion: 97 Resp: 142828

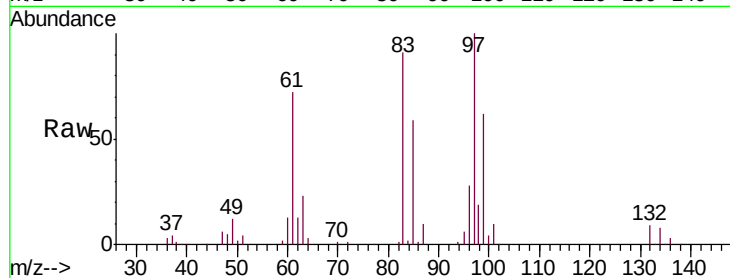
Ion Ratio Lower Upper

97 100

99 62.0 42.8 79.4

83 91.1 63.2 117.4

85 59.1 40.9 75.9

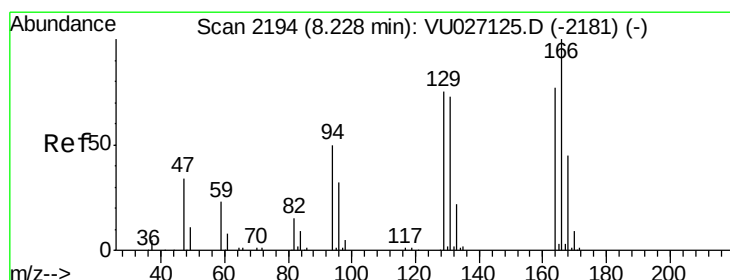
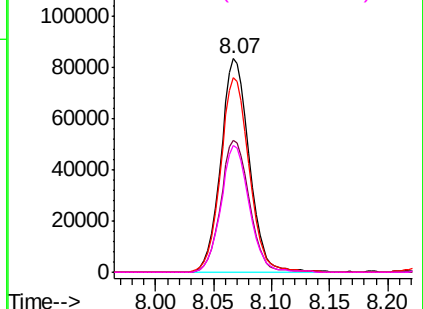
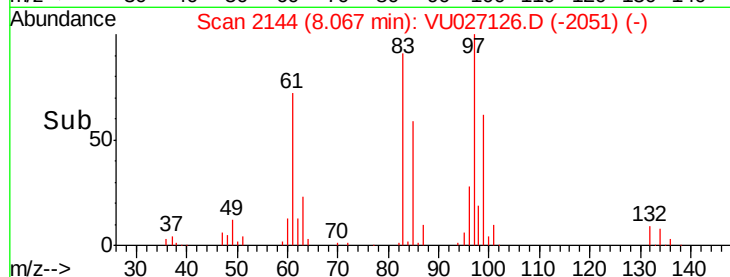


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 99.664 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Tgt Ion: 164 Resp: 98549

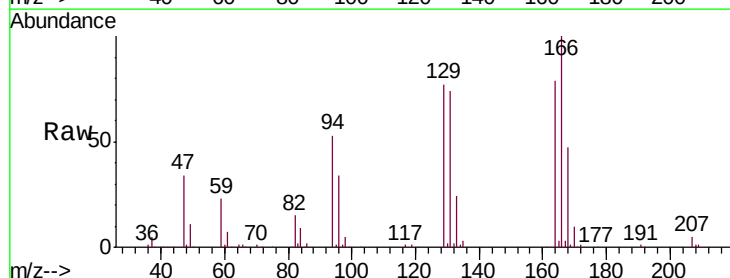
Ion Ratio Lower Upper

164 100

129 97.1 67.8 125.8

131 93.6 66.4 123.2

166 126.1 90.4 167.8

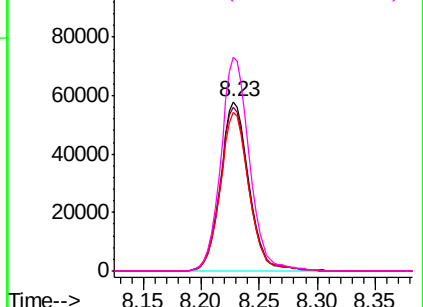
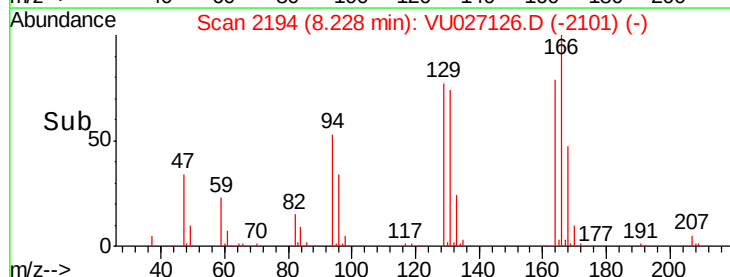


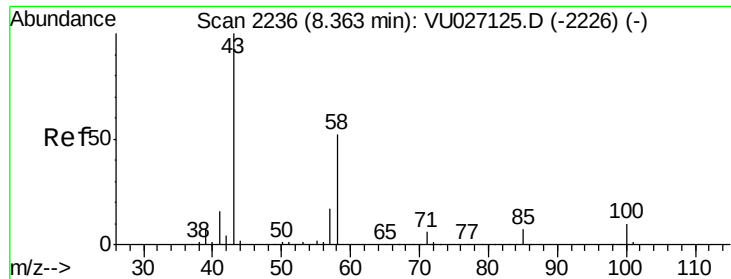
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

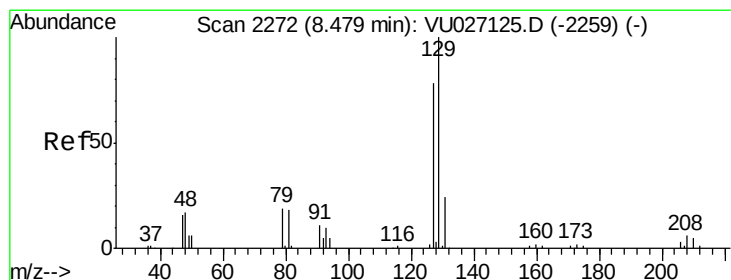
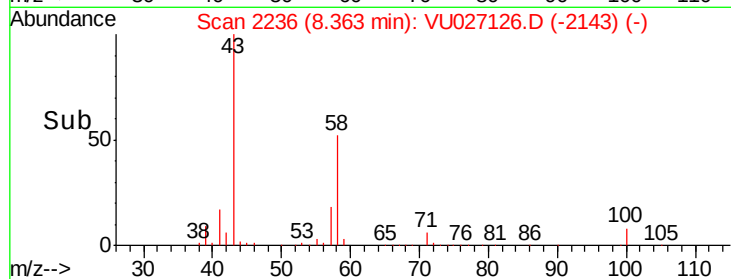
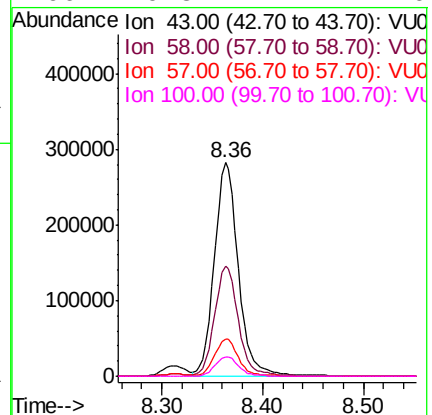
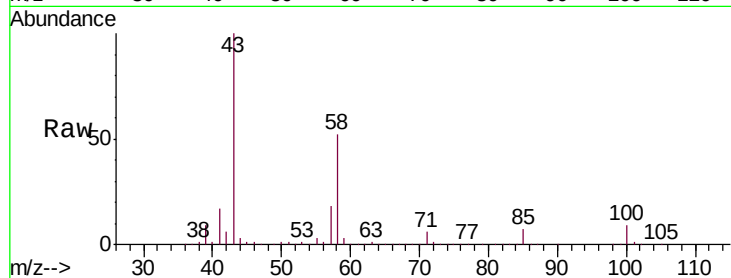




#48
2-Hexanone
Concen: 212.900 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

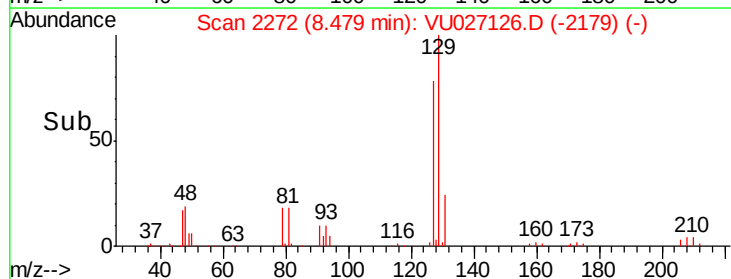
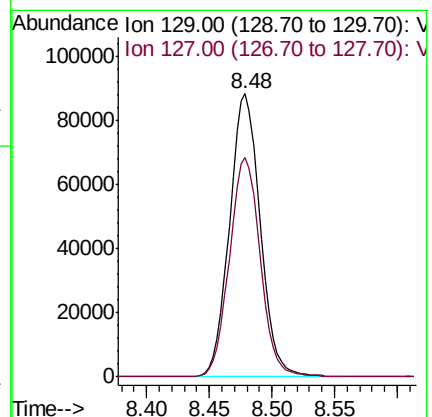
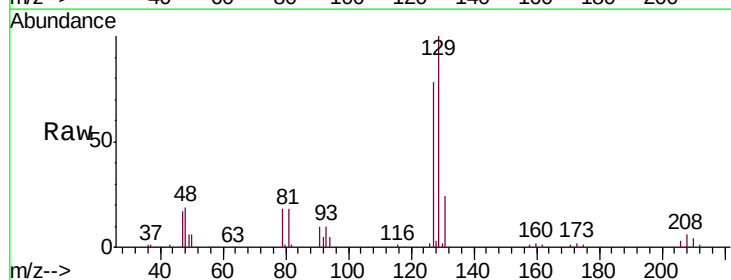
Instrument :
MSVOA_U
ClientSampleId :
VSTD10053

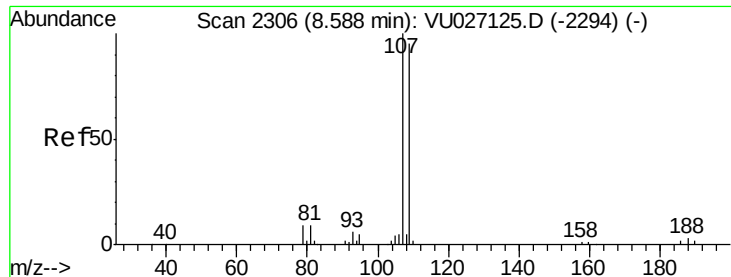
Tgt Ion: 43 Resp: 461906
Ion Ratio Lower Upper
43 100
58 51.5 41.9 62.9
57 17.5 13.8 20.8
100 9.3 7.4 11.0



#49
Dibromochloromethane
Concen: 102.391 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

Tgt Ion: 129 Resp: 150012
Ion Ratio Lower Upper
129 100
127 77.7 54.7 101.5

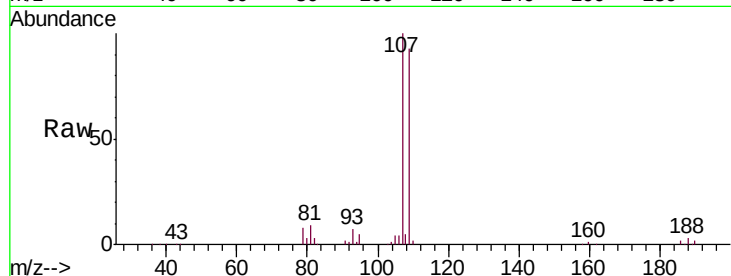




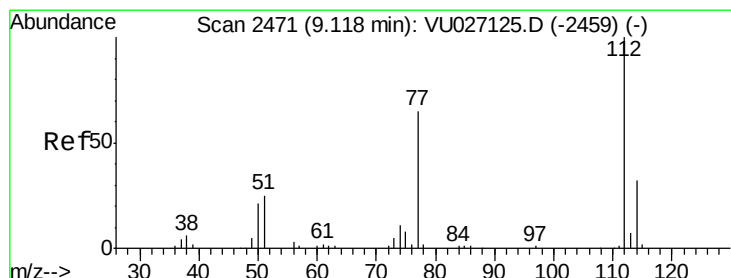
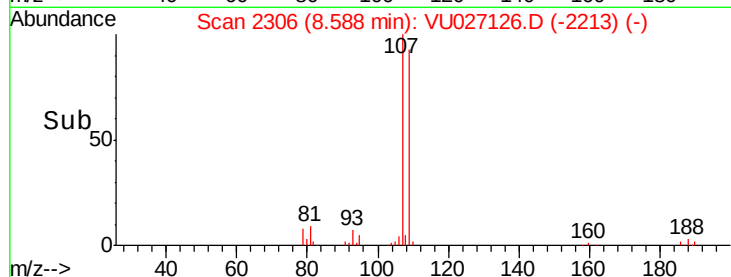
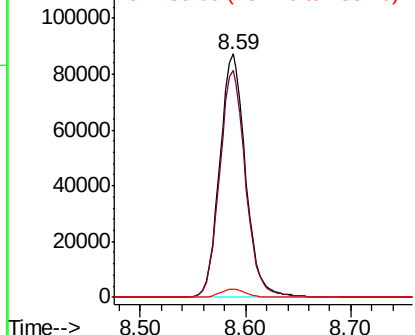
#50
1,2-Dibromoethane
Concen: 99.990 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD10053

Tgt Ion:107 Resp: 147453
Ion Ratio Lower Upper
107 100
109 93.3 66.8 124.0
188 3.5 2.7 4.1

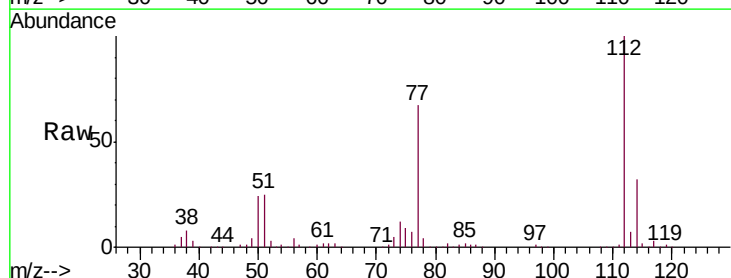


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

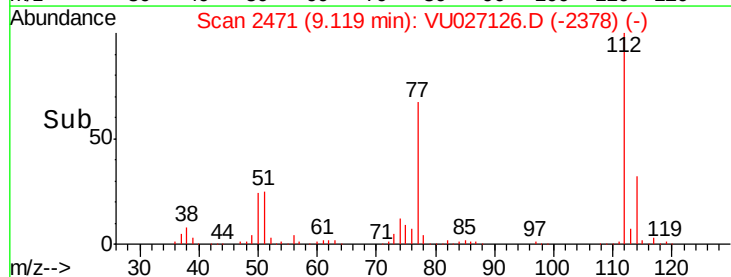
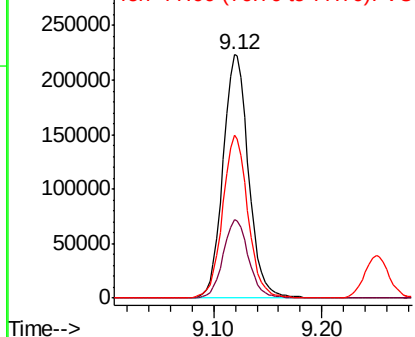


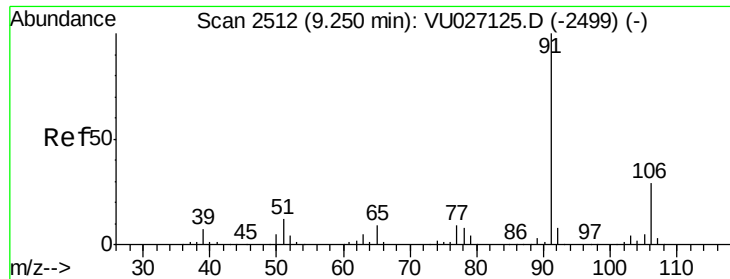
#51
Chlorobenzene
Concen: 99.663 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

Tgt Ion:112 Resp: 367486
Ion Ratio Lower Upper
112 100
114 32.1 22.2 41.2
77 67.0 52.9 79.3



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

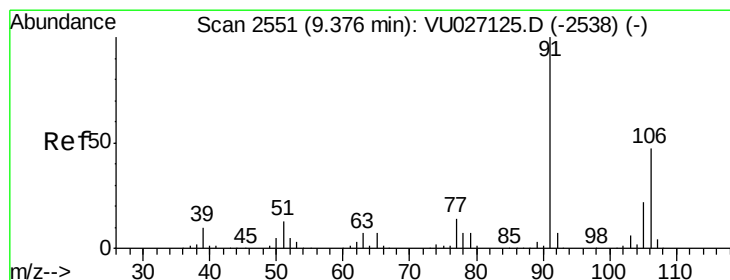
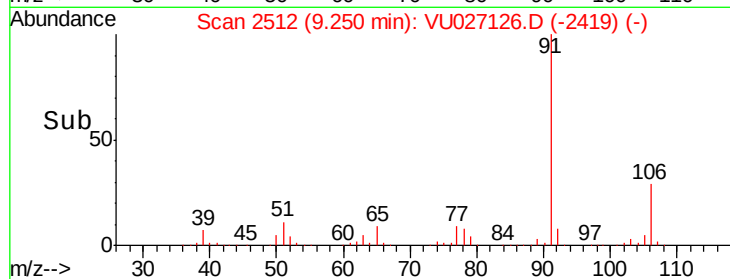
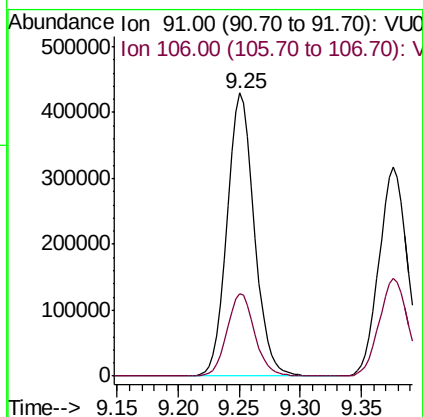
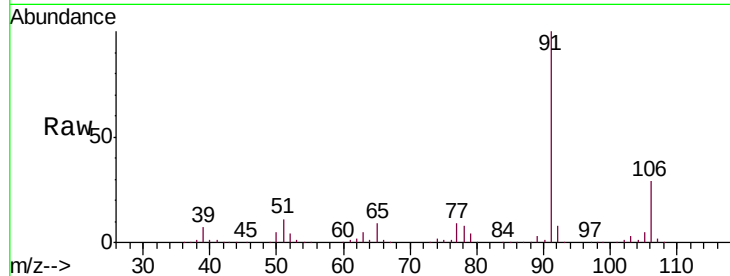




#52
Ethylbenzene
Concen: 105.845 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

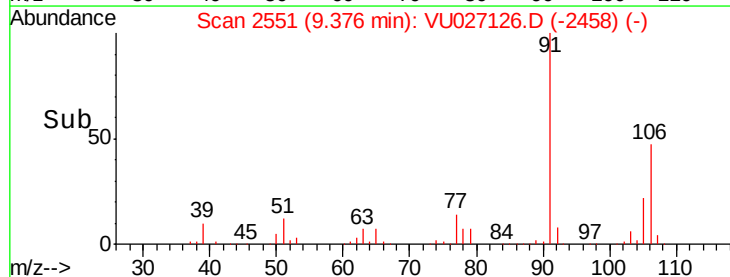
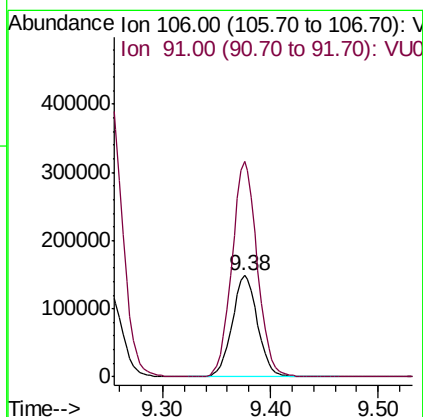
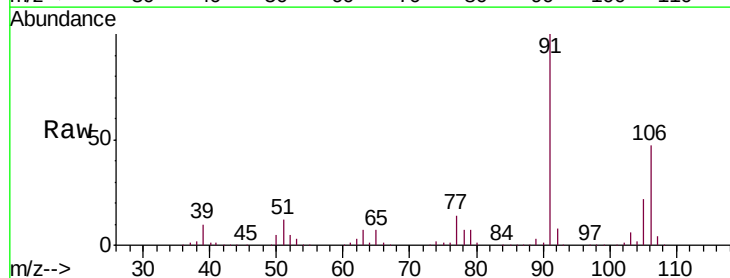
Instrument :
MSVOA_U
ClientSampleId :
VSTD10053

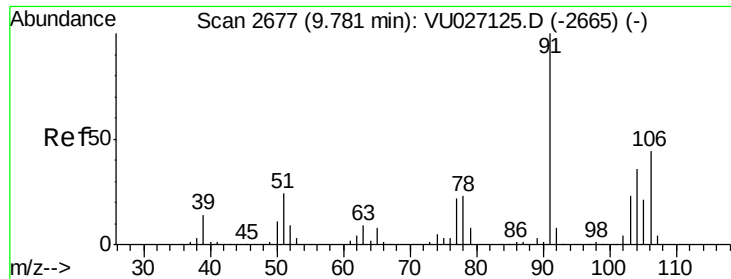
Tgt Ion: 91 Resp: 673705
Ion Ratio Lower Upper
91 100
106 29.3 20.2 37.4



#53
m,p-Xylene
Concen: 107.578 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

Tgt Ion: 106 Resp: 243790
Ion Ratio Lower Upper
106 100
91 213.1 149.4 277.5

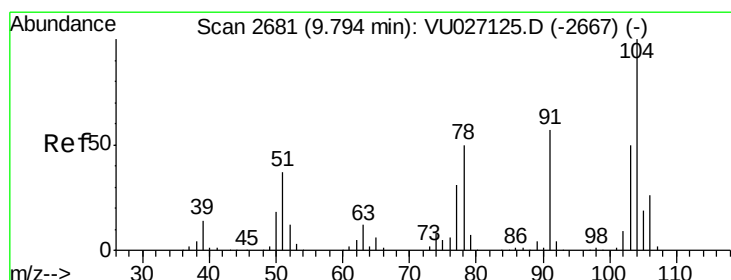
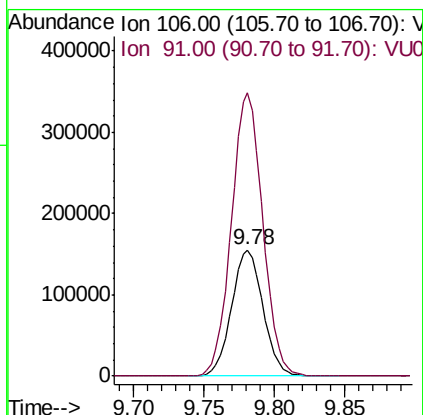
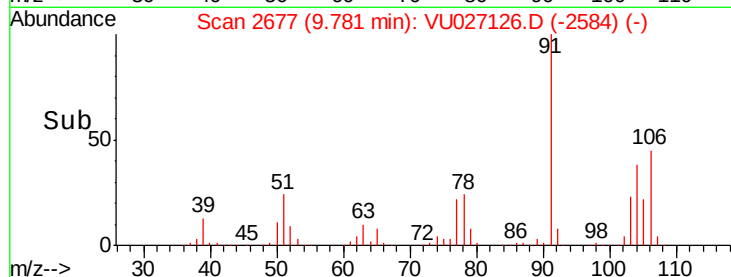
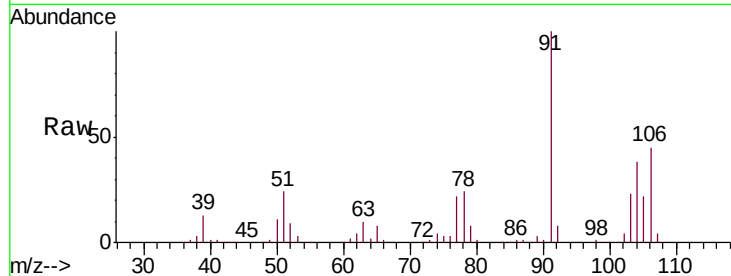




#54
o-xylene
Concen: 109.126 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

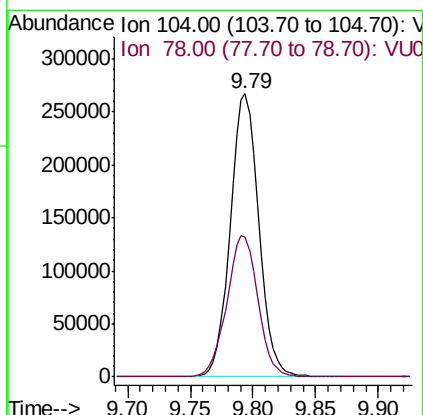
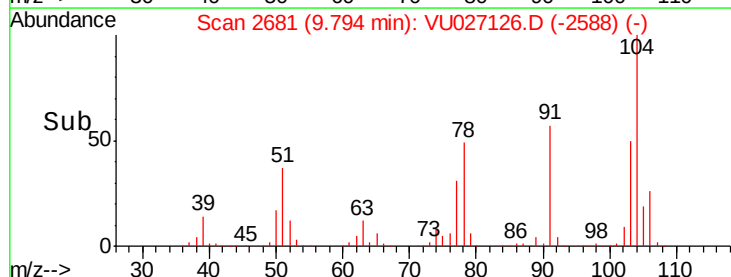
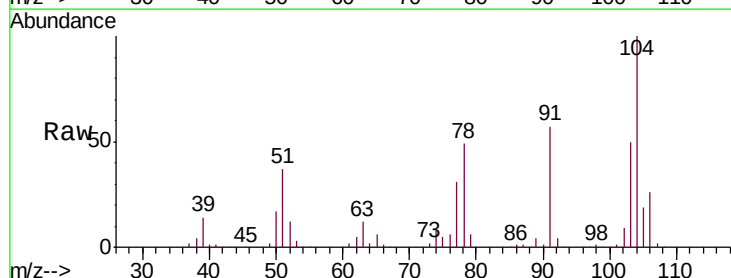
Instrument :
MSVOA_U
ClientSampleId :
VSTD10053

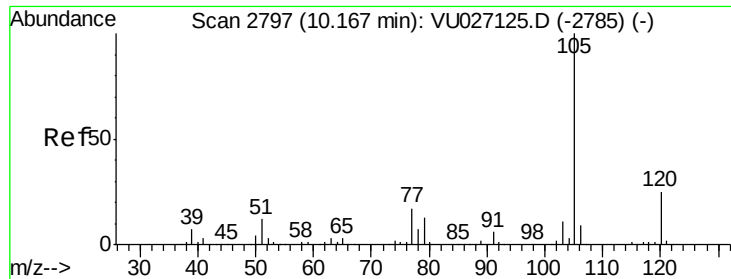
Tgt Ion:106 Resp: 242246
Ion Ratio Lower Upper
106 100
91 224.5 159.4 296.0



#55
Styrene
Concen: 110.960 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027126.D
Acq: 25 Sep 2018 11:58

Tgt Ion:104 Resp: 422325
Ion Ratio Lower Upper
104 100
78 49.4 34.9 64.7





#56

Isopropylbenzene

Concen: 110.263 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampled :

VSTD10053

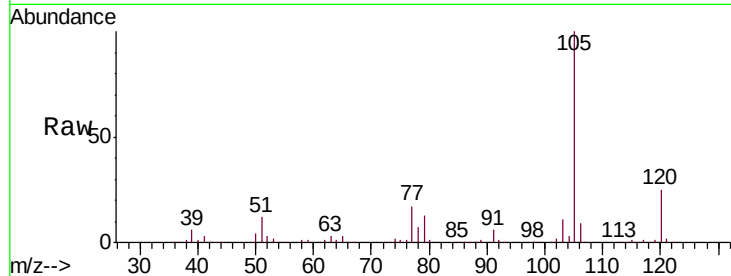
Tgt Ion: 105 Resp: 639035

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

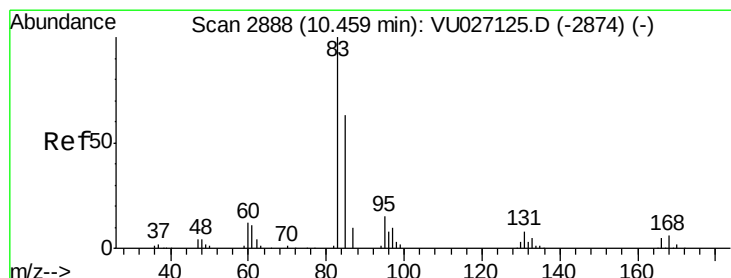
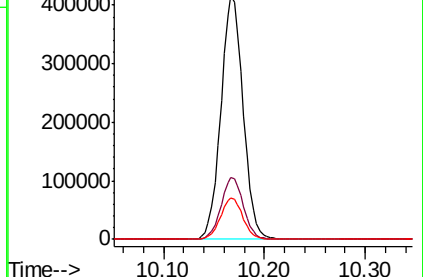
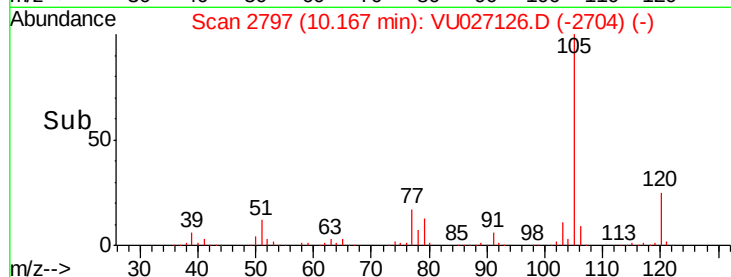
77 17.2 13.9 20.9



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: 100.066 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

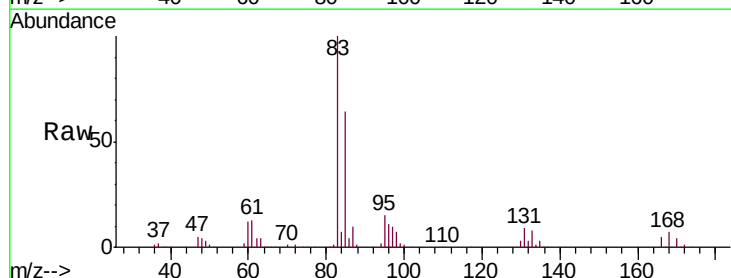
Tgt Ion: 83 Resp: 262035

Ion Ratio Lower Upper

83 100

85 64.5 44.1 81.9

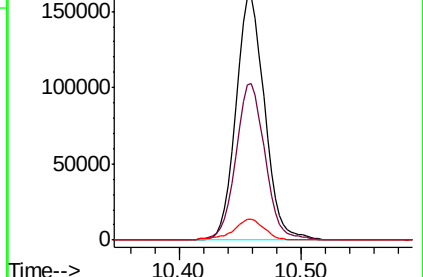
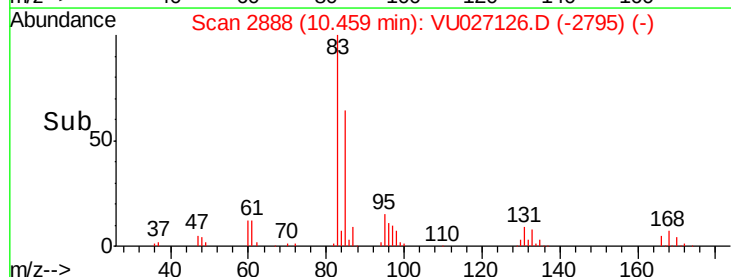
131 8.5 6.8 10.2

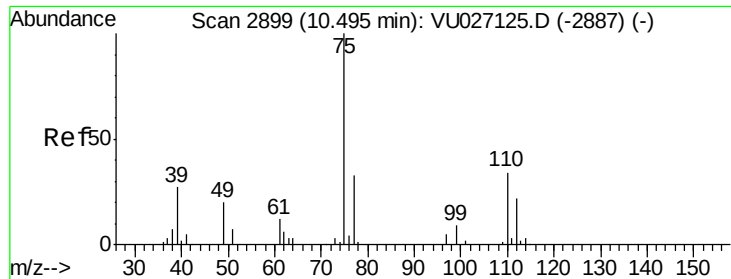


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

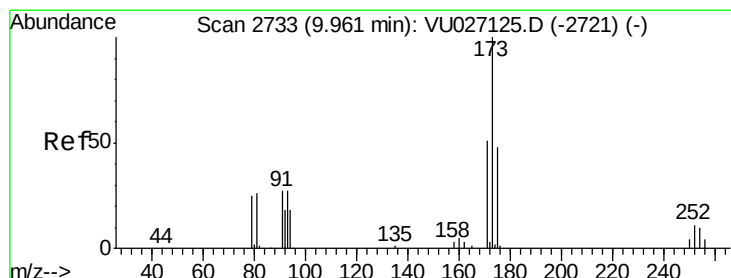
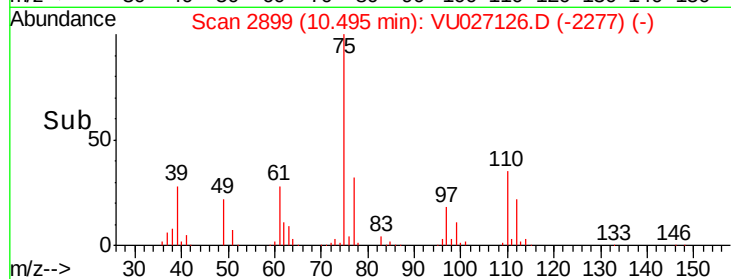
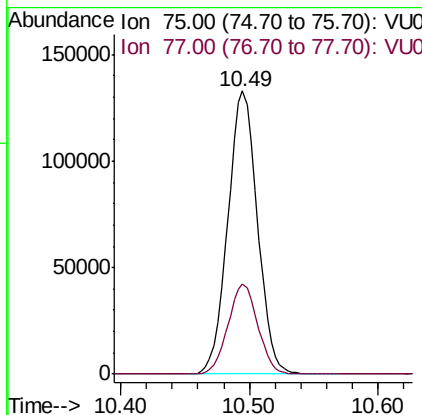
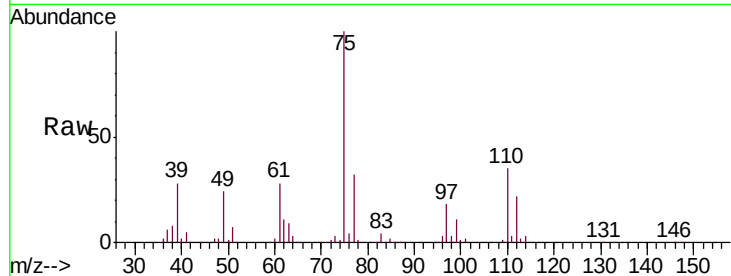




#59
 1,2,3-Trichloropropane
 Concen: 99.832 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

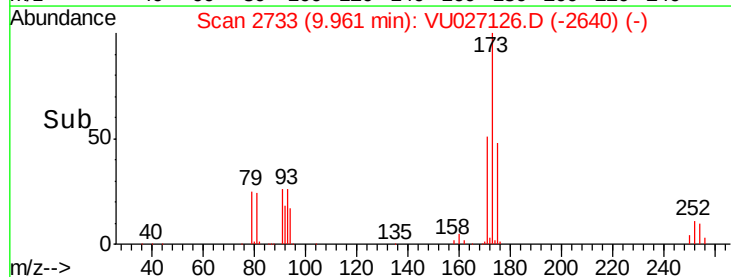
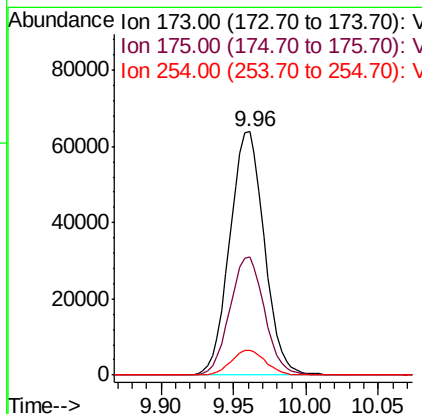
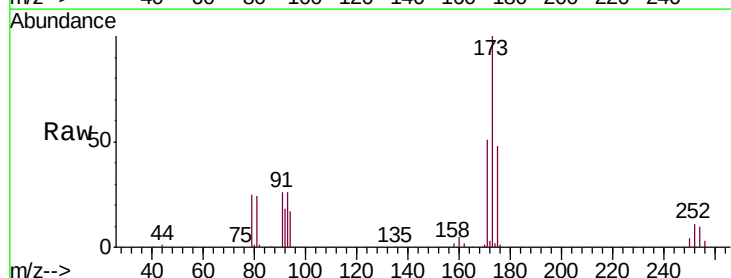
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10053

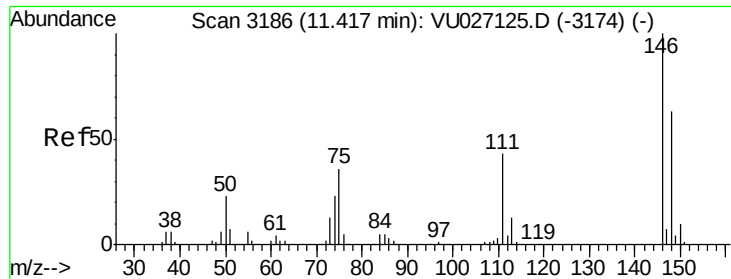
Tgt Ion: 75 Resp: 211222
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4



#61
 Bromoform
 Concen: 96.174 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

Tgt Ion: 173 Resp: 105826
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.1 57.1
 254 10.2 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 98.652 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD10053

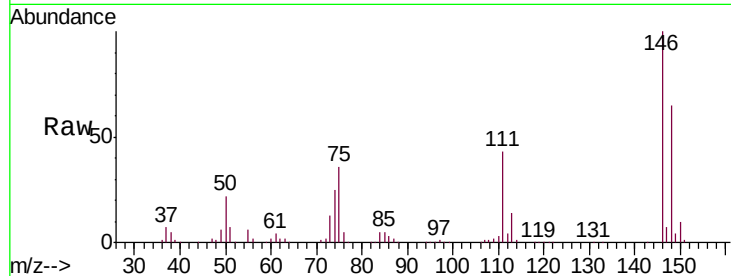
Tgt Ion:146 Resp: 262797

Ion Ratio Lower Upper

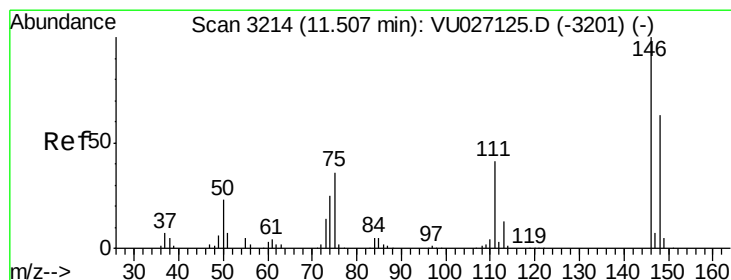
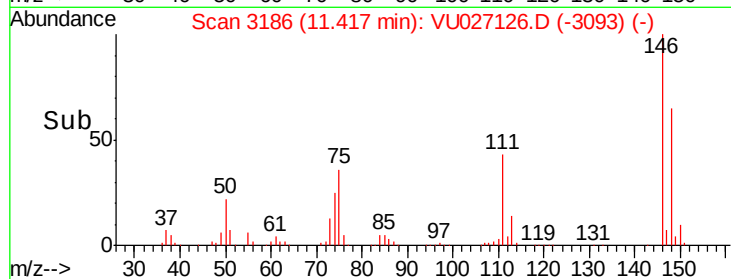
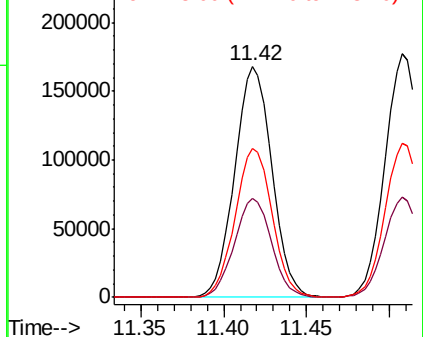
146 100

111 42.9 30.0 55.6

148 64.7 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: 96.322 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

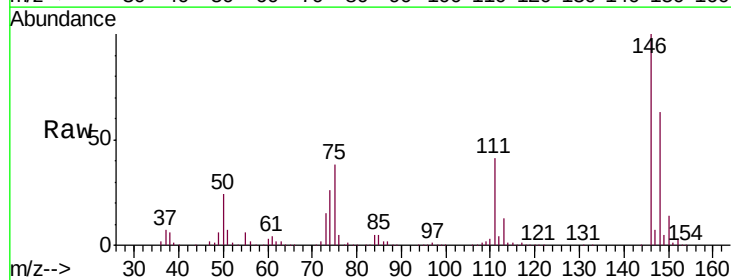
Tgt Ion:146 Resp: 272241

Ion Ratio Lower Upper

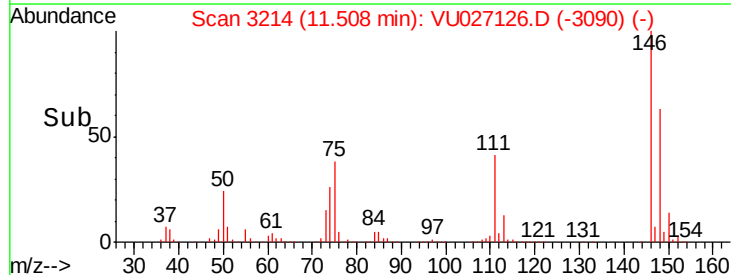
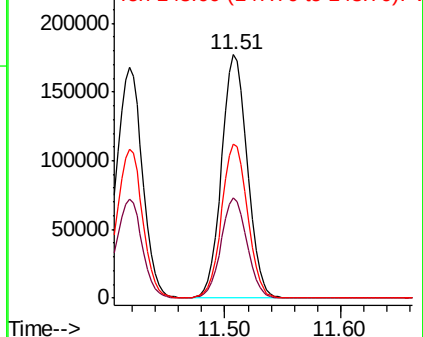
146 100

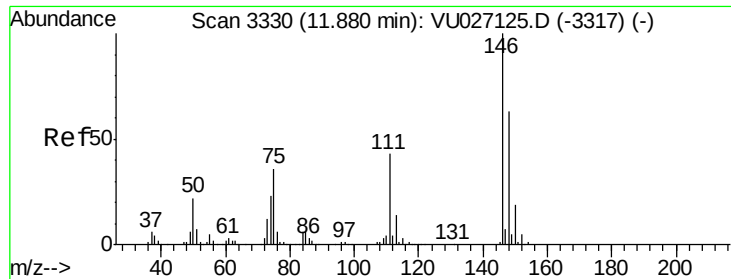
111 41.2 28.5 52.9

148 63.5 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

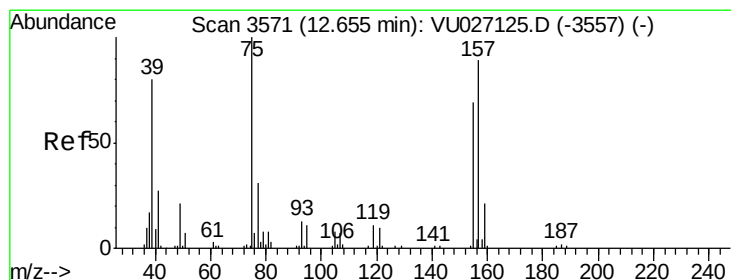
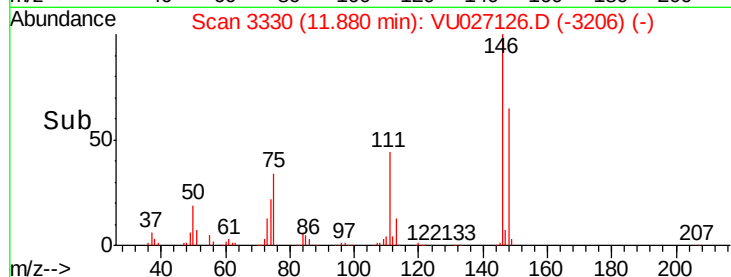
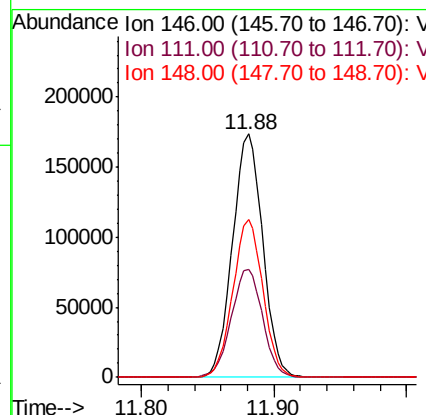
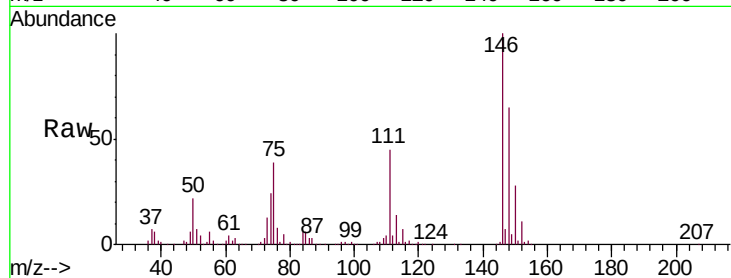




#65
 1,2-Dichlorobenzene
 Concen: 95.891 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

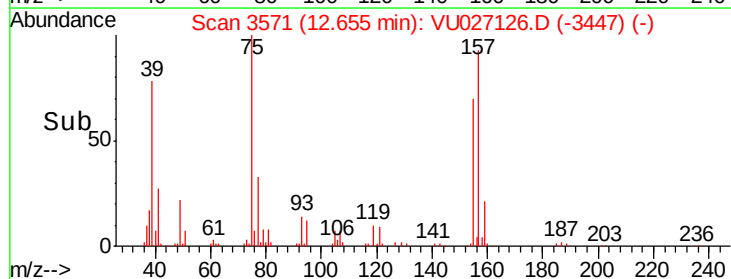
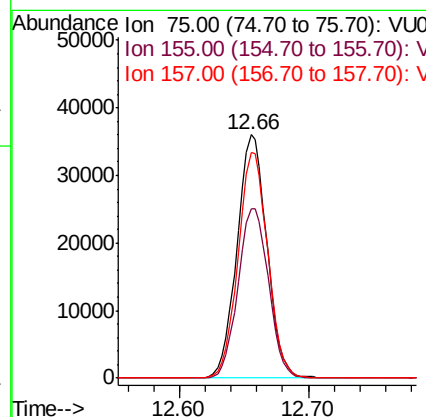
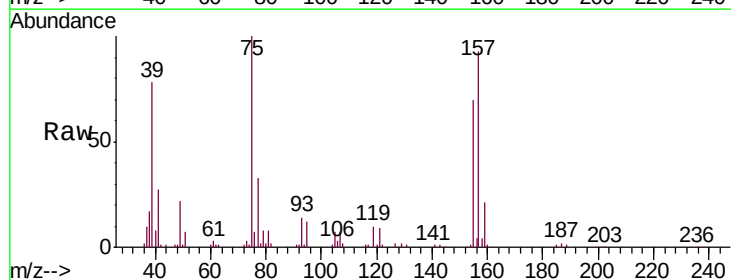
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10053

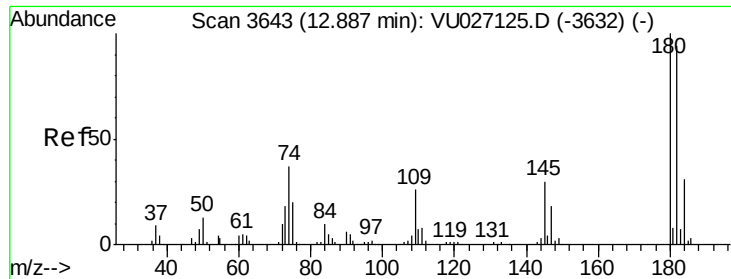
Tgt Ion: 146 Resp: 275890
 Ion Ratio Lower Upper
 146 100
 111 44.5 34.3 51.5
 148 64.7 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 99.130 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

Tgt Ion: 75 Resp: 57878
 Ion Ratio Lower Upper
 75 100
 155 69.6 54.9 82.3
 157 92.6 70.9 106.3

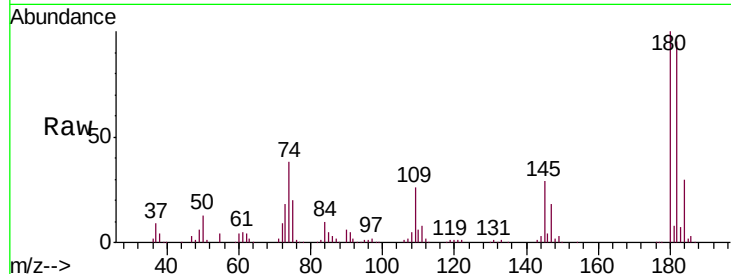




#67
 1,3,5-Trichlorobenzene
 Concen: 100.512 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10053

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
184	30.4	24.6	37.0
145	29.3	23.6	35.4



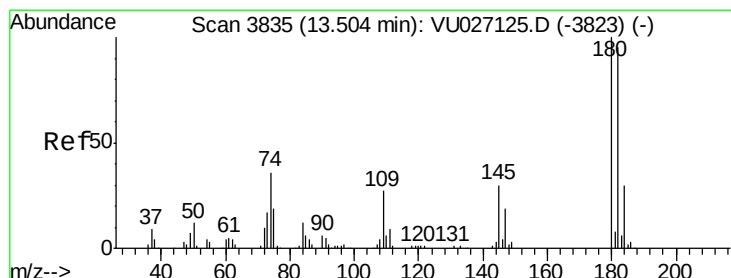
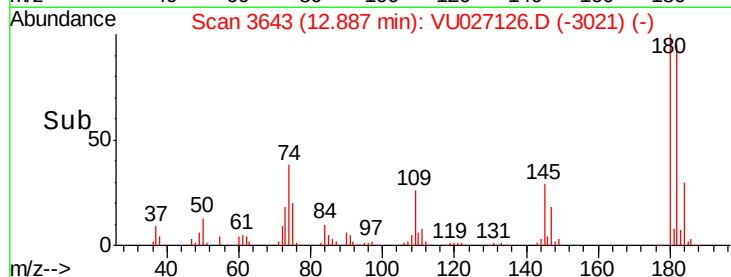
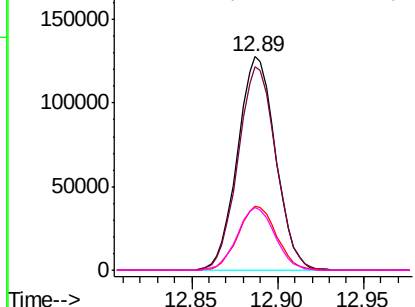
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

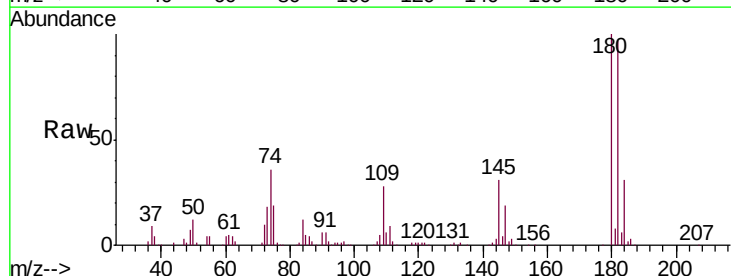
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 104.506 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027126.D
 Acq: 25 Sep 2018 11:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.4	114.6
145	30.5	24.3	36.5

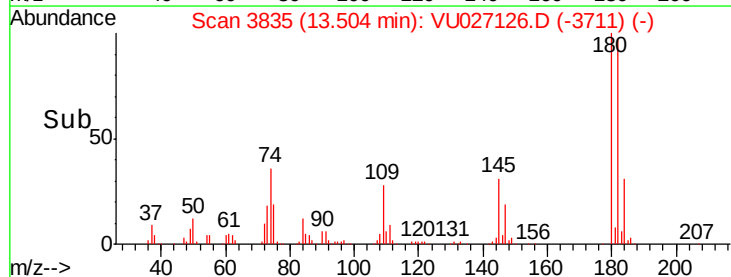
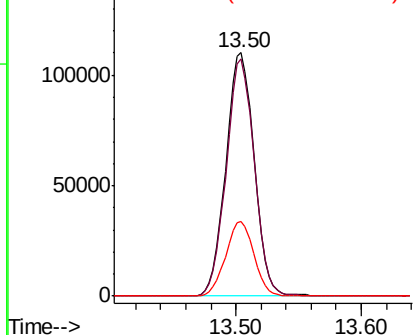


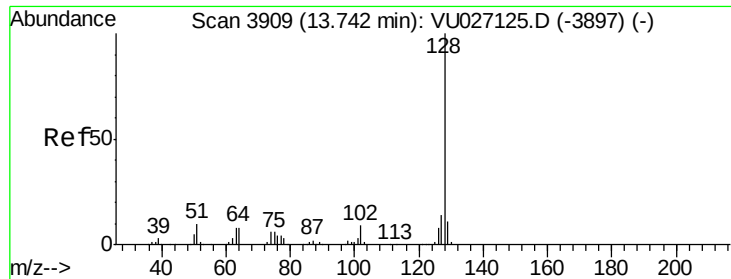
Abundance

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: 114.629 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD10053

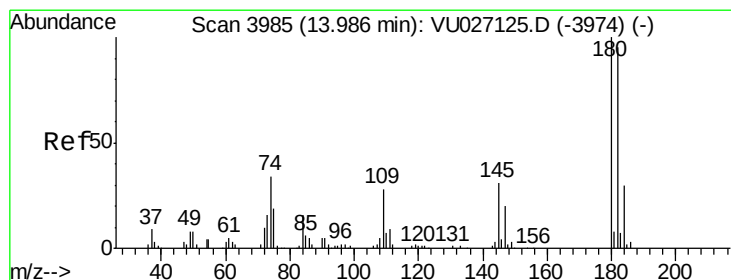
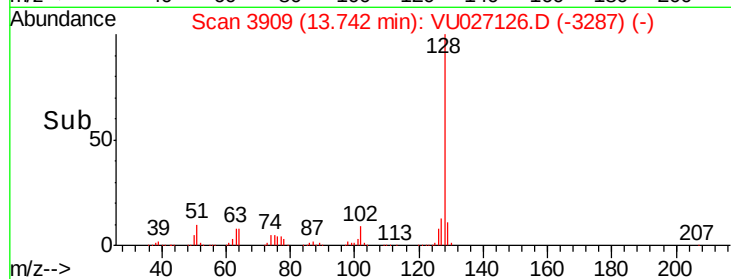
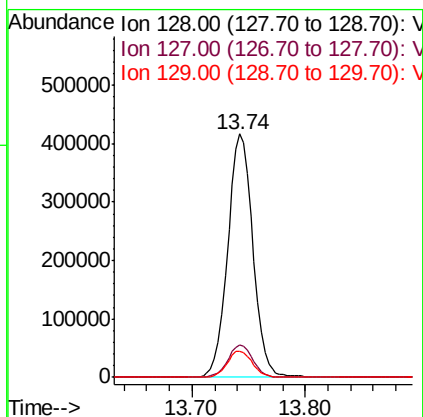
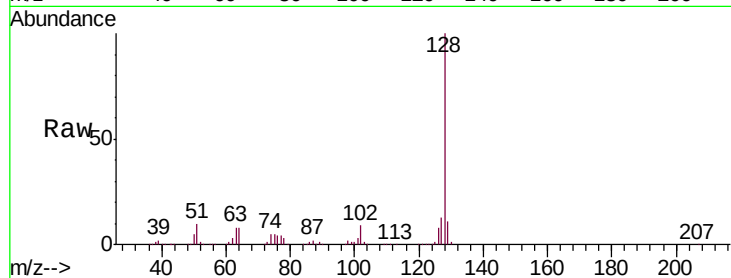
Tgt Ion:128 Resp: 643909

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.8 8.6 13.0



#70

1,2,3-Trichlorobenzene

Concen: 102.654 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027126.D

Acq: 25 Sep 2018 11:58

Tgt Ion:180 Resp: 186564

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.4

145 31.9 25.6 38.4

