

Data File : VU027729.D
Acq On : 22 Oct 2018 09:04
Operator : MD/SY
Sample : VSTD01053
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

Quant Time: Oct 23 07:20:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 23 07:17:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	122182	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	114511	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53959	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	9677	10.18	ug/L	0.00
7) Chloroethane-d5	1.68	69	7343	10.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	17263	10.08	ug/L	0.00
21) 2-Butanone-d5	4.19	46	16243	20.05	ug/L	0.00
24) Chloroform-d	4.65	84	17305	10.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	12340	10.43	ug/L	0.00
32) Benzene-d6	5.34	84	33211	10.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	11866	10.19	ug/L	0.00
41) Toluene-d8	7.57	98	29742	9.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	5401	9.55	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	11879	19.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14970	9.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	11057	10.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	10869	10.946 ug/L	100
3) Chloromethane	1.33	50	12207	10.494 ug/L	97
5) Vinyl chloride	1.40	62	12072	10.941 ug/L	98
6) Bromomethane	1.63	94	5770	10.371 ug/L	99
8) Chloroethane	1.70	64	6606	11.093 ug/L	98
9) Trichlorofluoromethane	1.89	101	14635	11.009 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	7991	10.977 ug/L	97
12) 1,1-Dichloroethene	2.29	96	7620	11.193 ug/L	91
13) Acetone	2.32	43	12989	23.017 ug/L	99
14) Carbon disulfide	2.48	76	25990	10.963 ug/L	99
15) Methyl Acetate	2.62	43	13331	11.225 ug/L	95
16) Methylene chloride	2.70	84	9090	10.809 ug/L	94
17) trans-1,2-Dichloroethene	2.99	96	8240	10.941 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	31057	11.033 ug/L	99
19) 1,1-Dichloroethane	3.45	63	18317	11.208 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	9700	10.889 ug/L	91
22) 2-Butanone	4.27	43	18924	22.537 ug/L	96
23) Bromochloromethane	4.55	128	4425	10.637 ug/L	94
25) Chloroform	4.68	83	17113	10.790 ug/L	96
27) 1,2-Dichloroethane	5.41	62	15093	10.966 ug/L	99
29) Cyclohexane	5.00	56	18591	11.327 ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	15759	11.354 ug/L	99
31) Carbon tetrachloride	5.14	117	14159	11.336 ug/L	100
33) Benzene	5.39	78	37075	10.883 ug/L	100
34) Trichloroethene	6.19	95	9608	11.266 ug/L	96
35) Methylcyclohexane	6.42	83	16543	11.216 ug/L	99
37) 1,2-Dichloropropane	6.44	63	11111	11.039 ug/L	# 98
38) Bromodichloromethane	6.76	83	13619	10.888 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	16786	10.831 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	35355	21.856 ug/L	98

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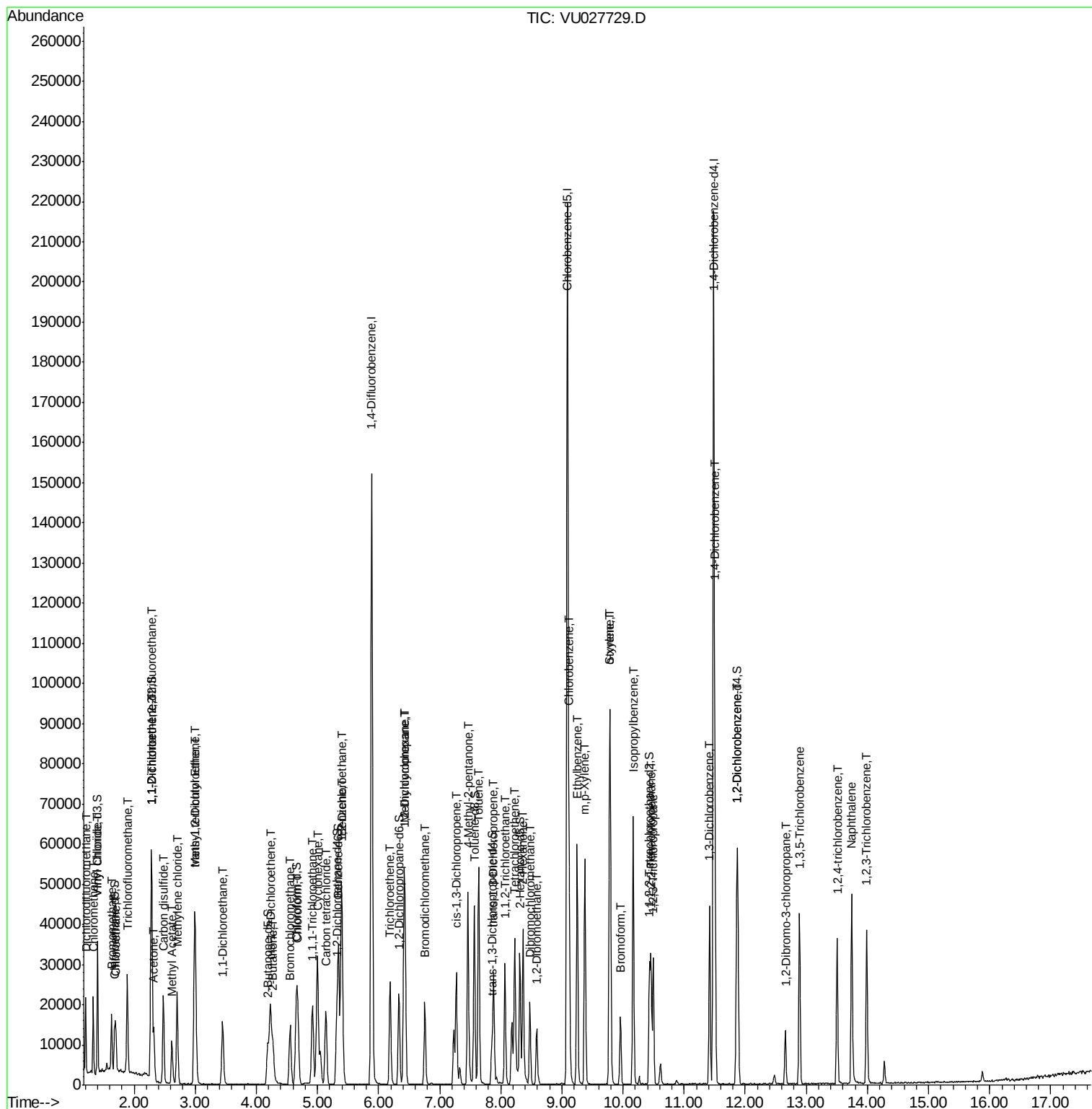
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	39934	11.194	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	16179	11.036	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	9062	10.900	ug/L	96
46) Tetrachloroethene	8.23	164	7265	11.031	ug/L	94
48) 2-Hexanone	8.36	43	28275	22.539	ug/L	99
49) Dibromochloromethane	8.48	129	10421	10.578	ug/L	95
50) 1,2-Dibromoethane	8.59	107	9614	10.834	ug/L #	98
51) Chlorobenzene	9.12	112	23891	10.923	ug/L	99
52) Ethylbenzene	9.25	91	43729	10.836	ug/L	99
53) m,p-Xylene	9.38	106	15674	10.752	ug/L	98
54) o-xylene	9.78	106	16073	11.061	ug/L	97
55) Styrene	9.79	104	26268	10.620	ug/L	100
56) Isopropylbenzene	10.17	105	41716	10.840	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	16242	10.986	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	13541	11.383	ug/L	99
61) Bromoform	9.96	173	7429	10.328	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	17744	10.967	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	17597	10.666	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	18435	11.078	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	3749	10.811	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	13099	10.468	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	11408	10.269	ug/L	99
69) Naphthalene	13.74	128	37753	10.522	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	12209	10.515	ug/L	97

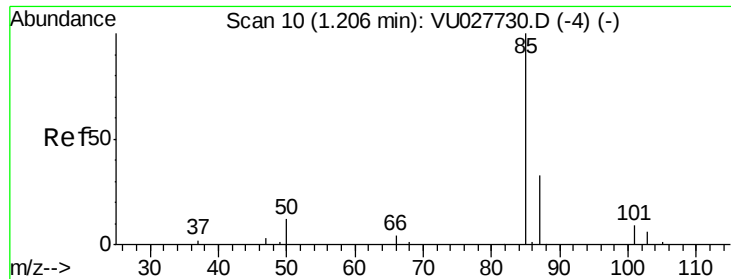
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.946 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

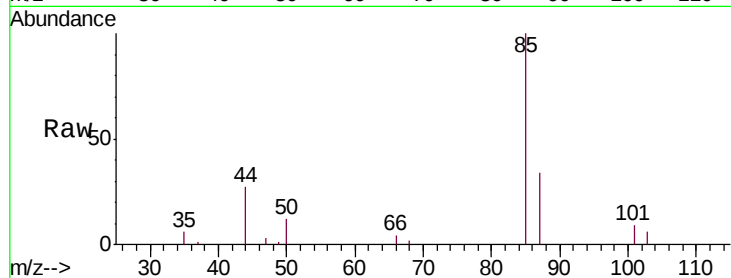
VSTD01053

Tgt Ion: 85 Resp: 10869

Ion Ratio Lower Upper

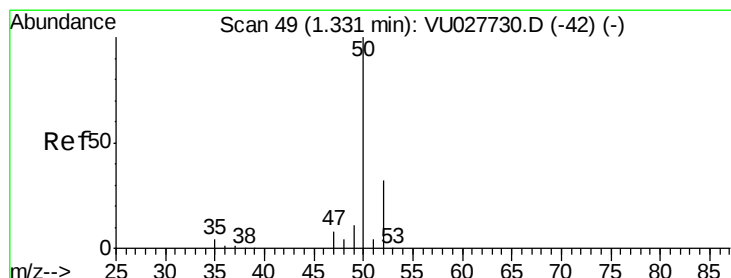
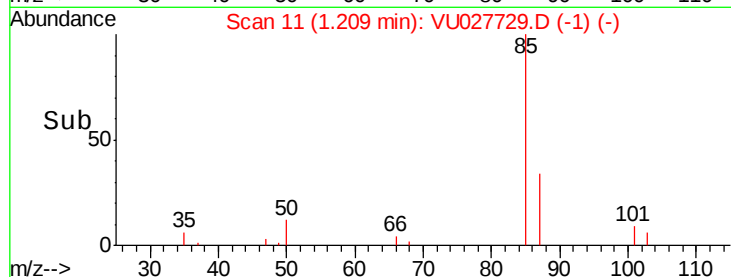
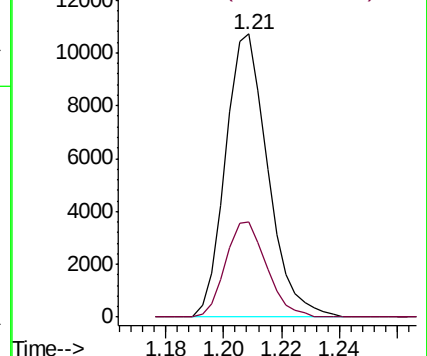
85 100

87 32.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 10.494 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027729.D

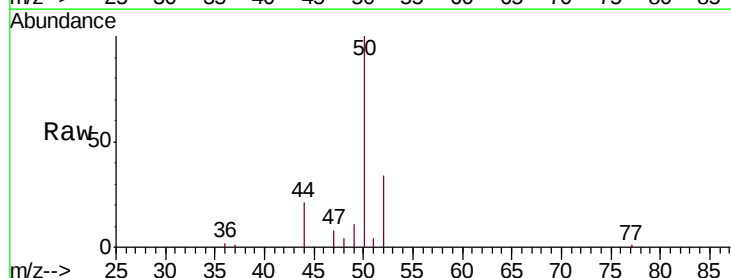
Acq: 22 Oct 2018 09:04

Tgt Ion: 50 Resp: 12207

Ion Ratio Lower Upper

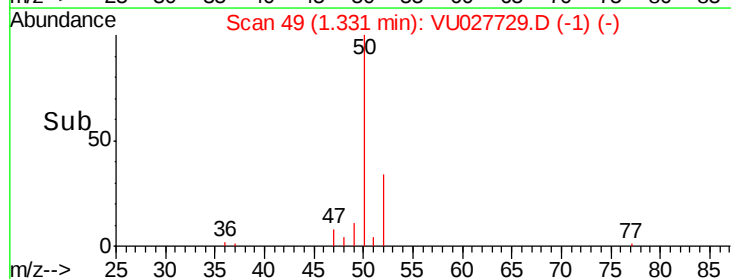
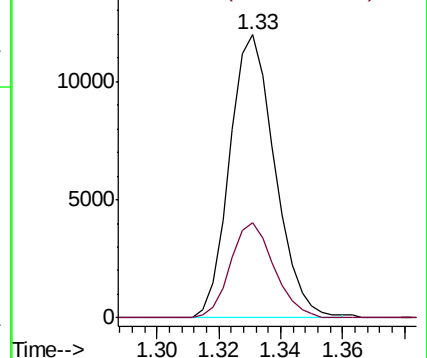
50 100

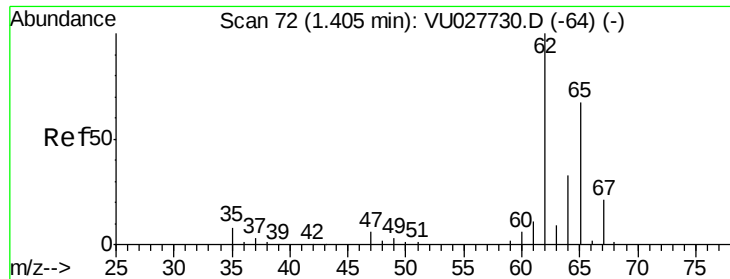
52 33.5 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 10.941 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

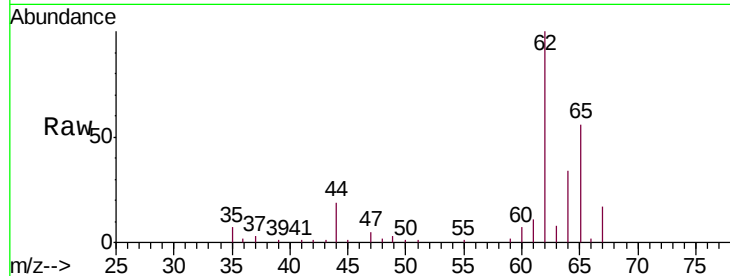
VSTD01053

Tgt Ion: 62 Resp: 12072

Ion Ratio Lower Upper

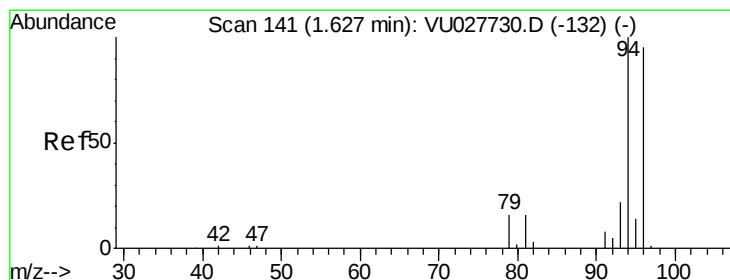
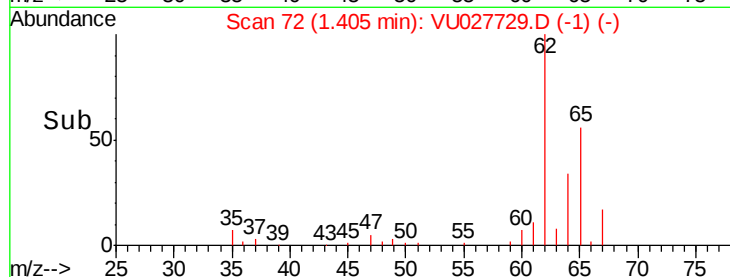
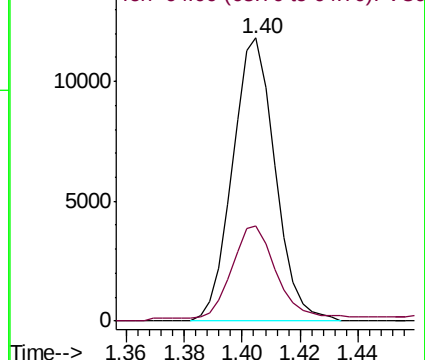
62 100

64 33.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 10.371 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU027729.D

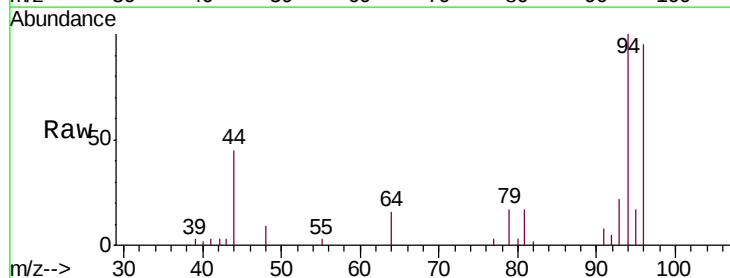
Acq: 22 Oct 2018 09:04

Tgt Ion: 94 Resp: 5770

Ion Ratio Lower Upper

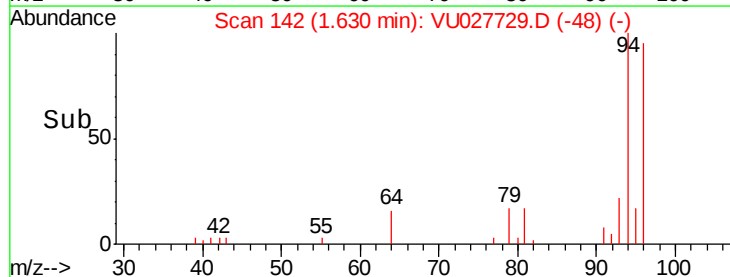
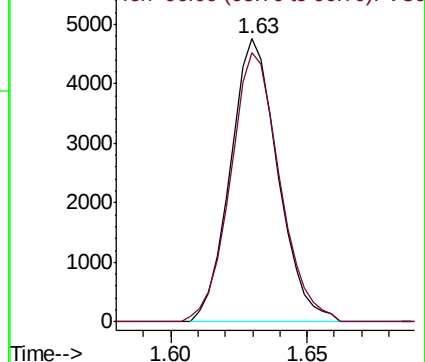
94 100

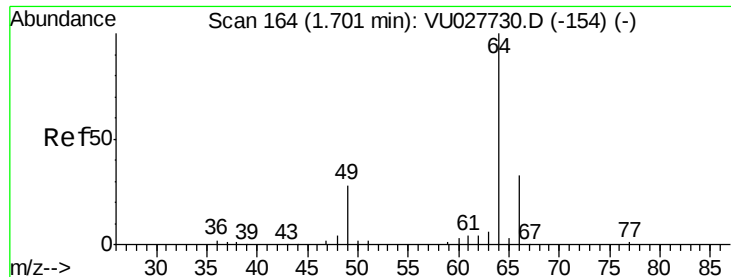
96 95.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 11.093 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

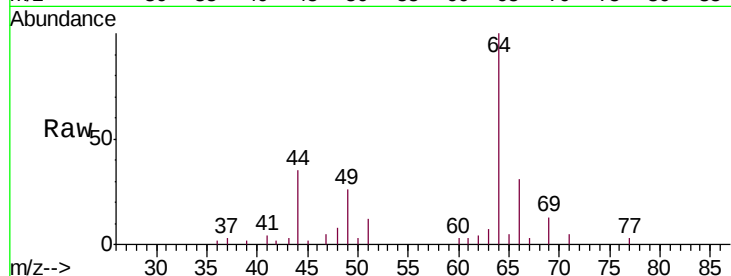
VSTD01053

Tgt Ion: 64 Resp: 6606

Ion Ratio Lower Upper

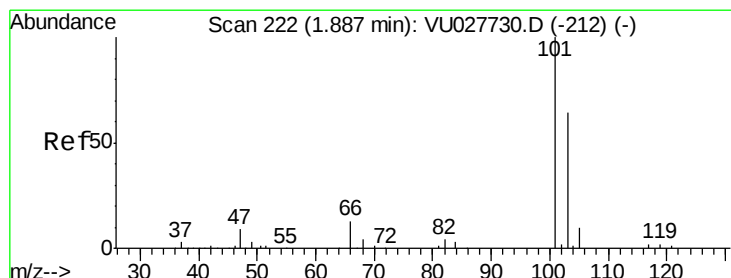
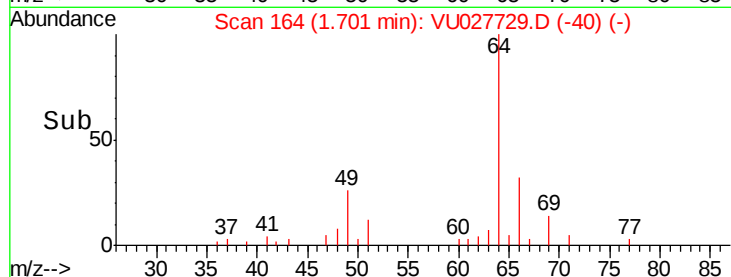
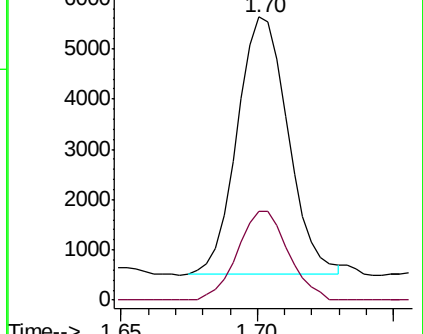
64 100

66 31.5 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU027730.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU027730.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 11.009 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027729.D

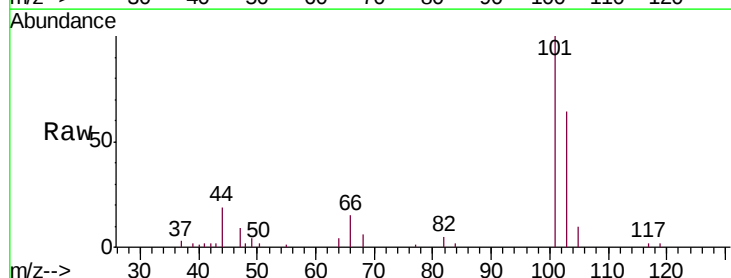
Acq: 22 Oct 2018 09:04

Tgt Ion: 101 Resp: 14635

Ion Ratio Lower Upper

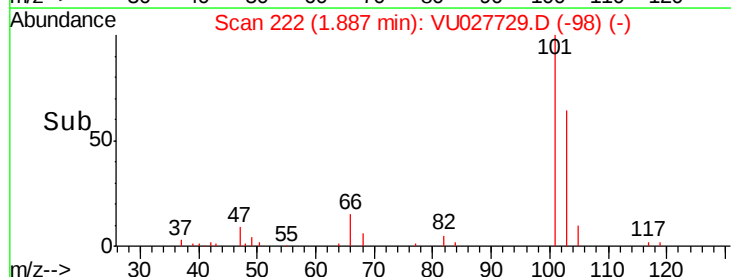
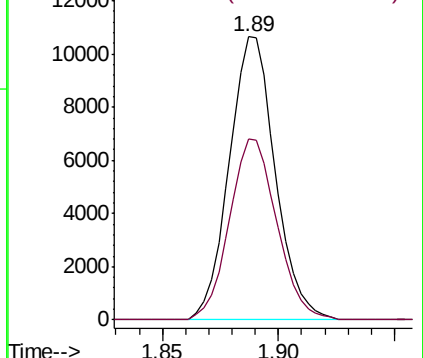
101 100

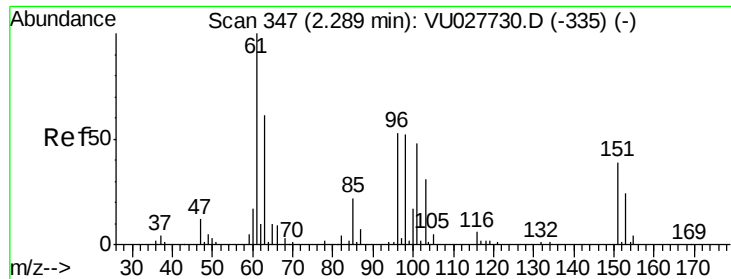
103 65.8 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027730.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027730.D (-212) (-)





#10

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

Concen: 10.977 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

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ClientSampleId :

VSTD01053

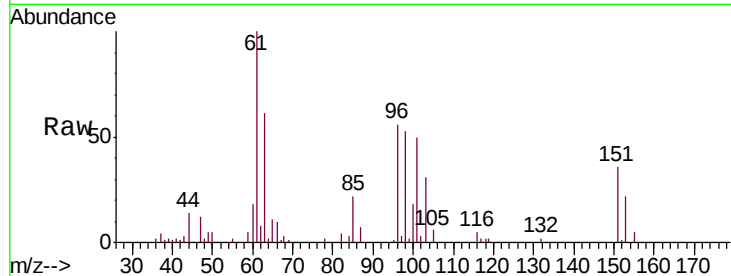
Tgt Ion: 101 Resp: 7991

Ion Ratio Lower Upper

101 100

85 45.3 36.7 55.1

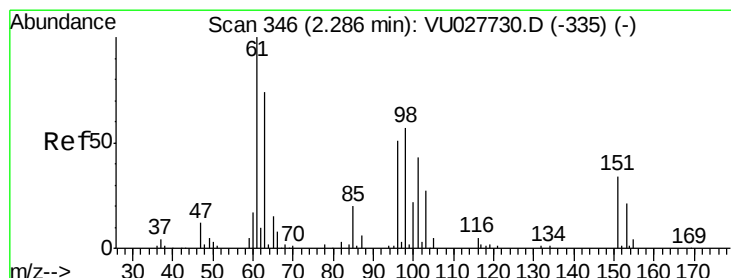
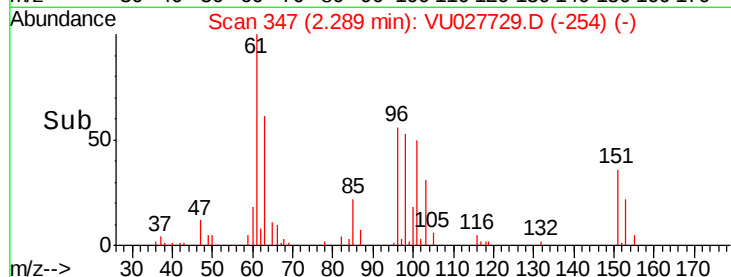
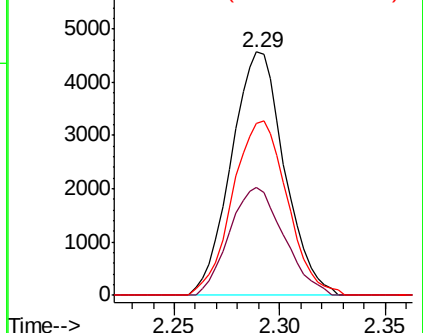
151 73.9 62.0 93.0



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: 11.193 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

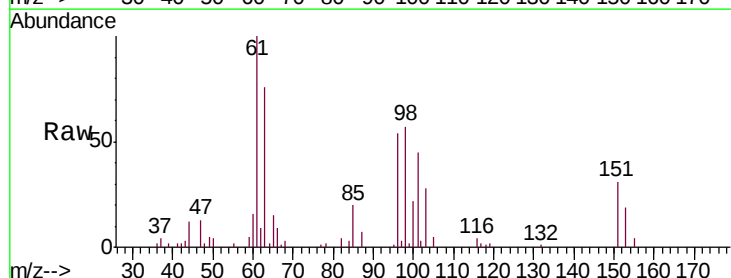
Tgt Ion: 96 Resp: 7620

Ion Ratio Lower Upper

96 100

61 186.3 137.3 255.1

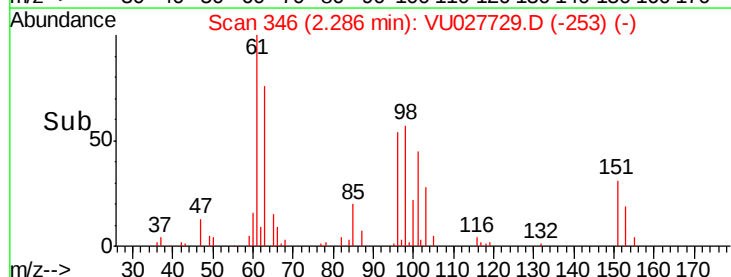
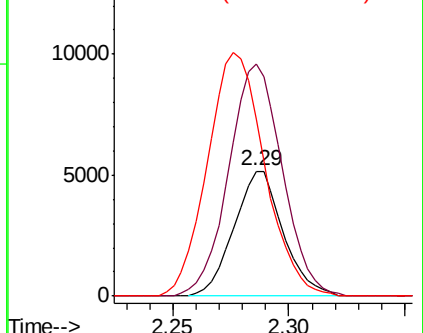
63 142.1 109.8 204.0

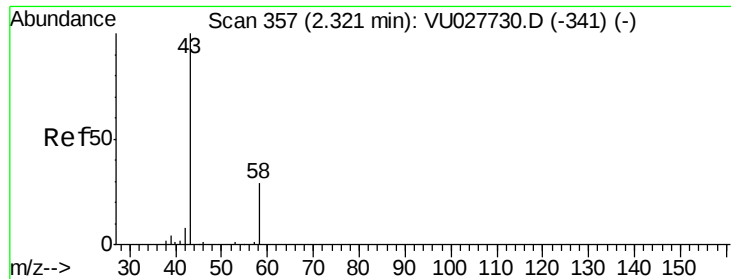


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 23.017 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

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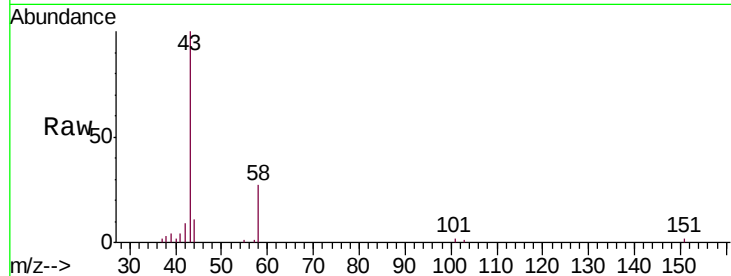
VSTD01053

Tgt Ion: 43 Resp: 12989

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU027730.D (-341) (-)

Ion 58.00 (57.70 to 58.70): VU027730.D (-341) (-)

2.32

8000

6000

4000

2000

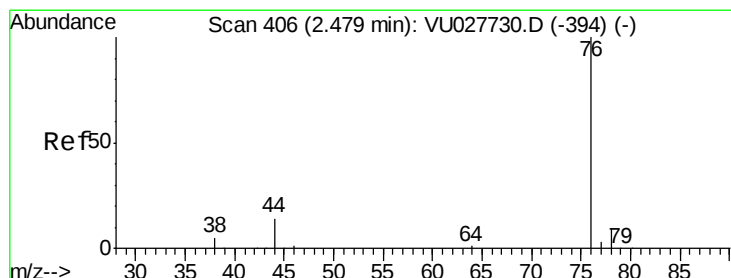
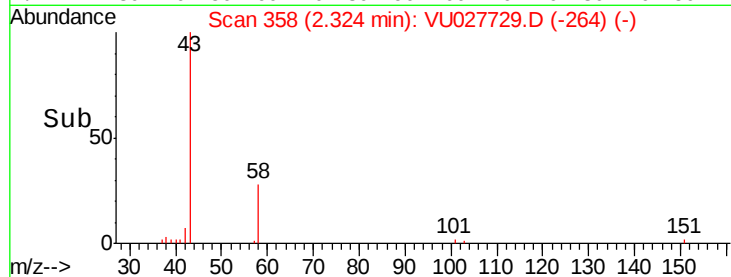
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Time-->

2.30

2.35

2.40



#14

Carbon disulfide

Concen: 10.963 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027729.D

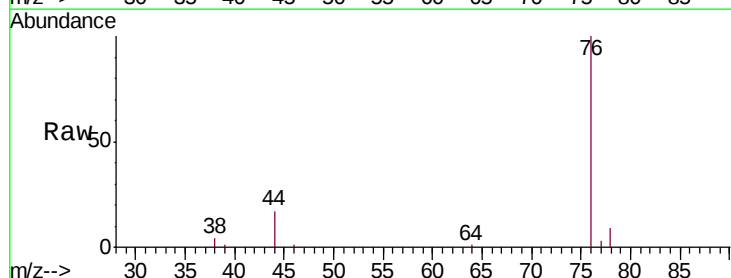
Acq: 22 Oct 2018 09:04

Tgt Ion: 76 Resp: 25990

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VU027730.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027730.D (-394) (-)

2.48

15000

10000

5000

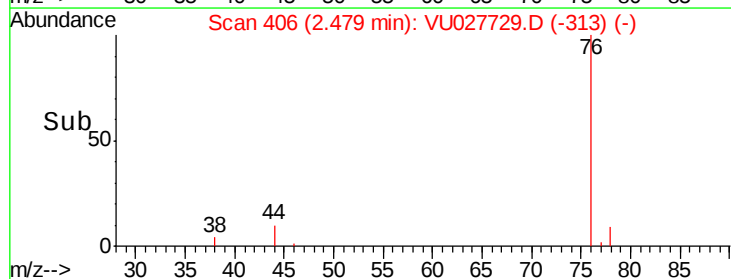
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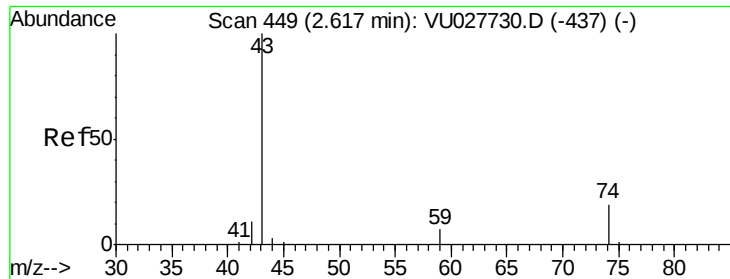
Time-->

2.45

2.50

2.55

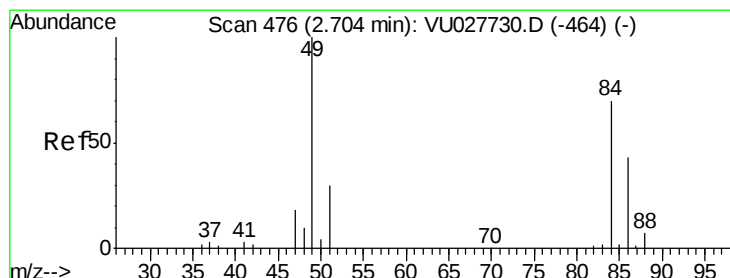
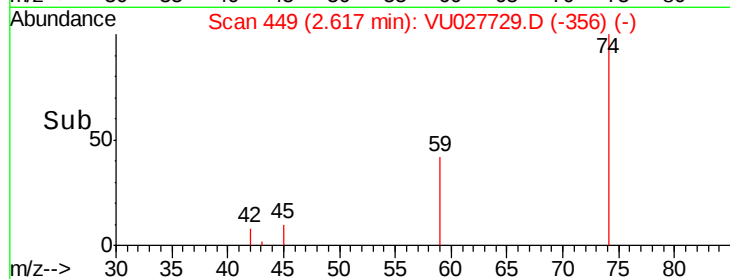
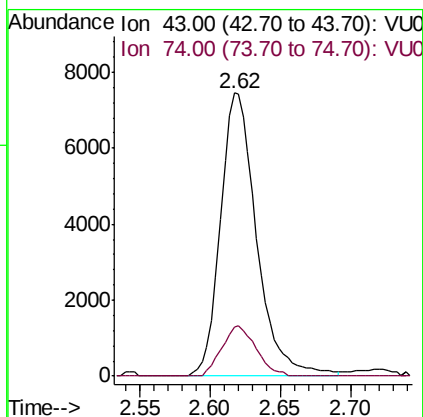
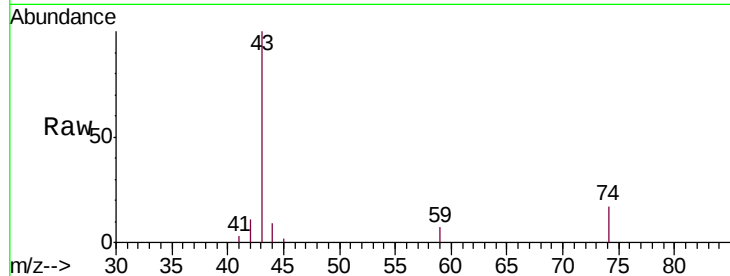




#15
Methyl Acetate
Concen: 11.225 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

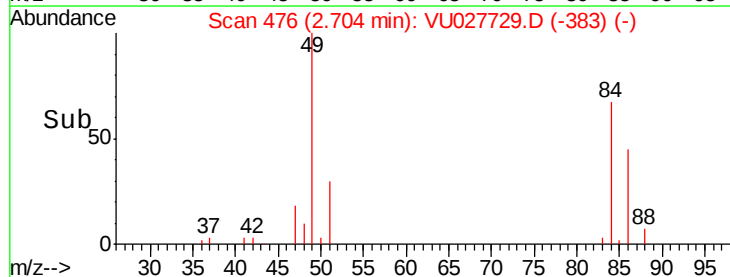
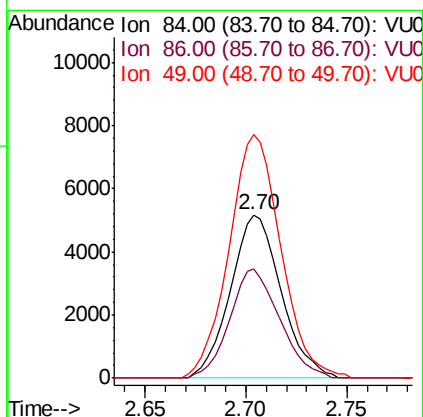
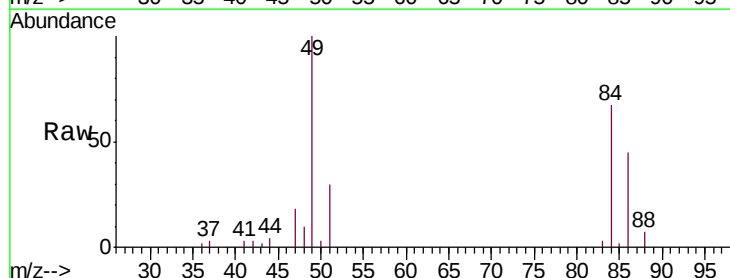
Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

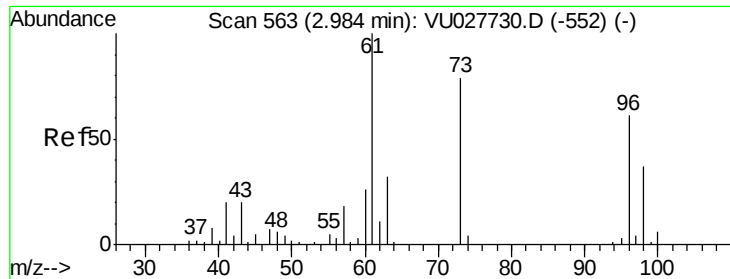
Tgt Ion: 43 Resp: 13331
Ion Ratio Lower Upper
43 100
74 16.7 15.1 22.7



#16
Methylene chloride
Concen: 10.809 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

Tgt Ion: 84 Resp: 9090
Ion Ratio Lower Upper
84 100
86 66.6 42.8 79.6
49 149.1 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 10.941 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

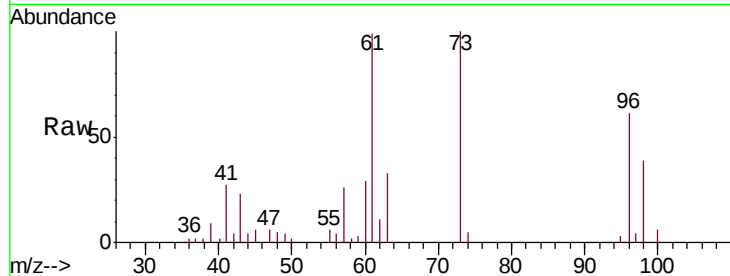
Tgt Ion: 96 Resp: 8240

Ion Ratio Lower Upper

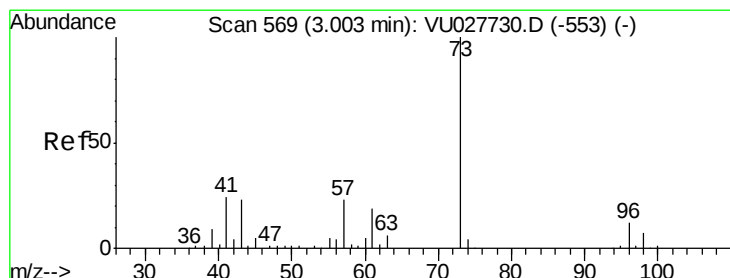
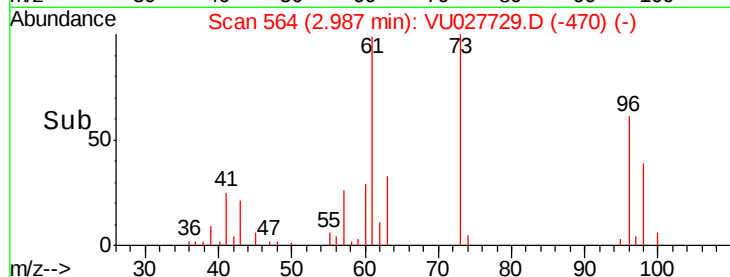
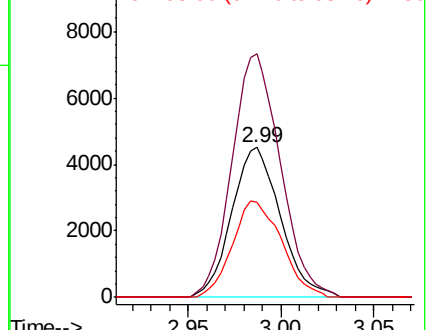
96 100

61 162.7 114.7 212.9

98 63.4 42.2 78.4



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: 11.033 ug/L

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

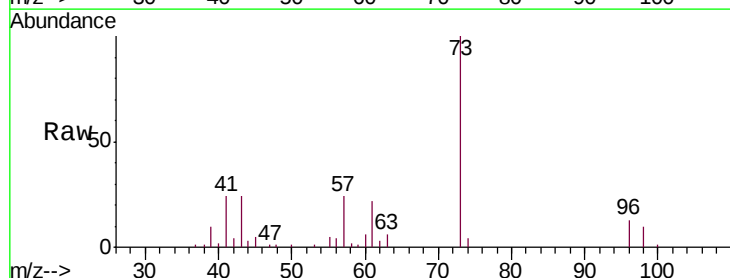
Tgt Ion: 73 Resp: 31057

Ion Ratio Lower Upper

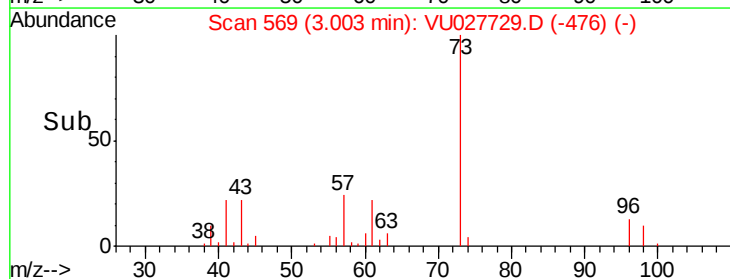
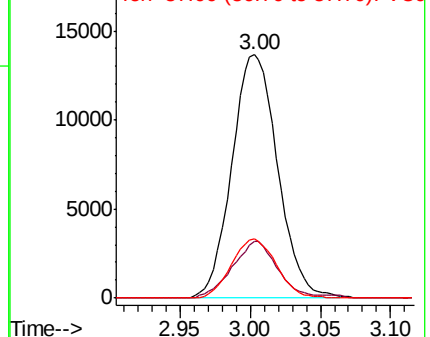
73 100

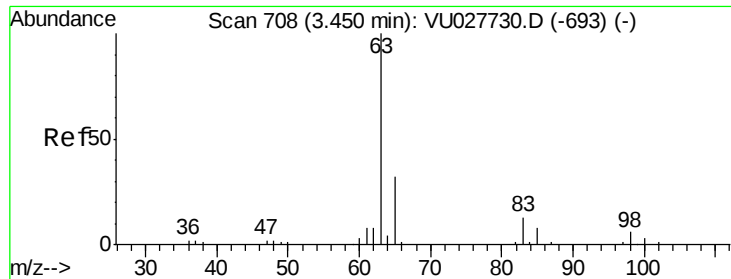
43 23.1 18.3 27.5

57 23.8 18.6 28.0



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

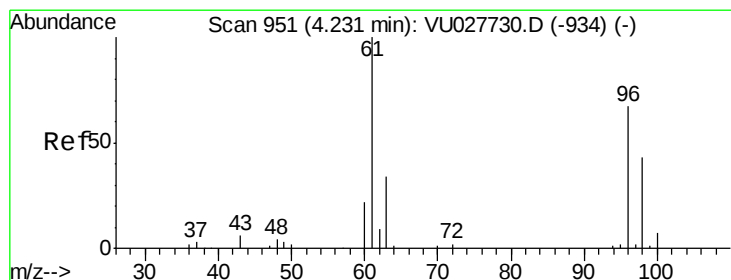
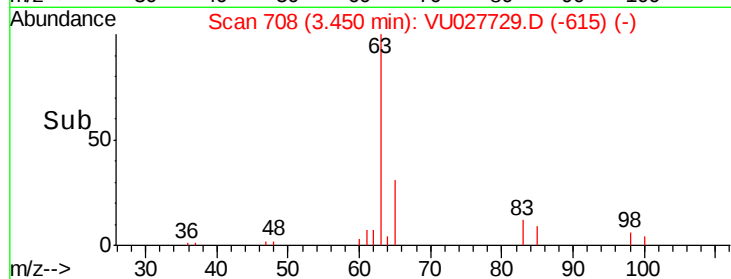
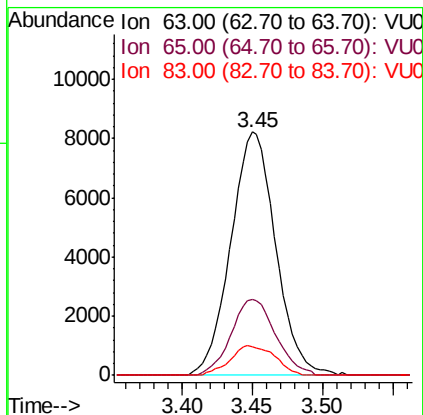
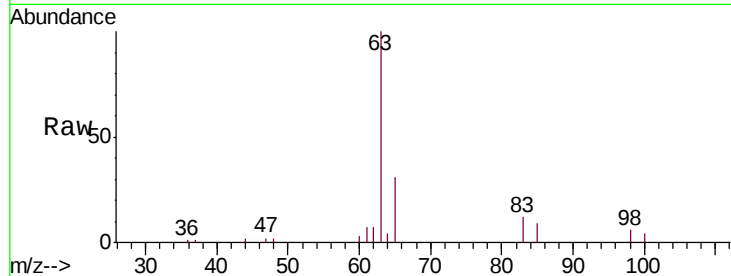




#19
 1,1-Dichloroethane
 Concen: 11.208 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

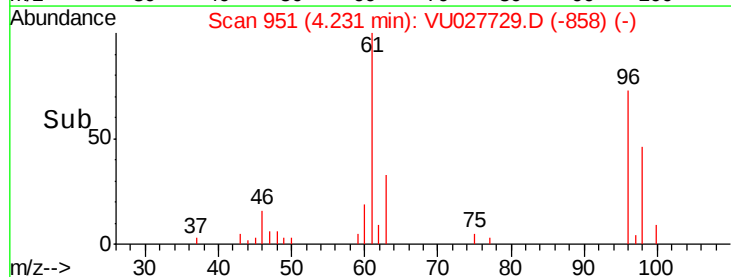
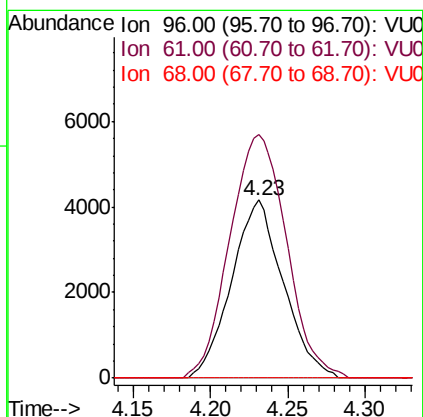
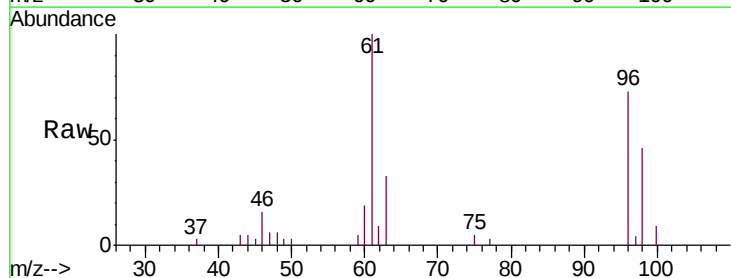
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

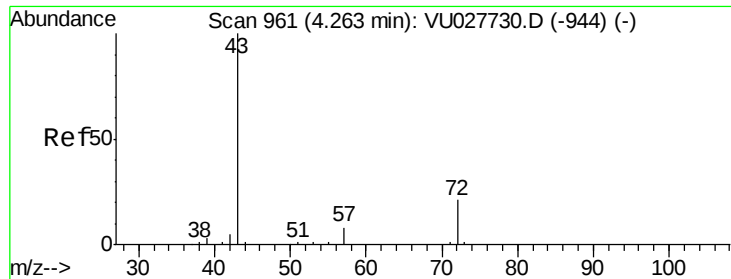
Tgt Ion: 63 Resp: 18317
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.2 41.2
 83 11.6 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 10.889 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Tgt Ion: 96 Resp: 9700
 Ion Ratio Lower Upper
 96 100
 61 137.0 104.2 193.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 22.537 ug/L

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

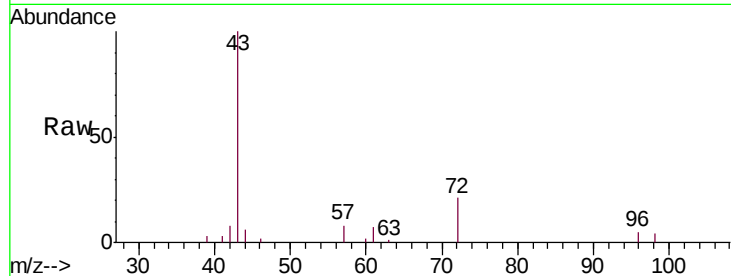
VSTD01053

Tgt Ion: 43 Resp: 18924

Ion Ratio Lower Upper

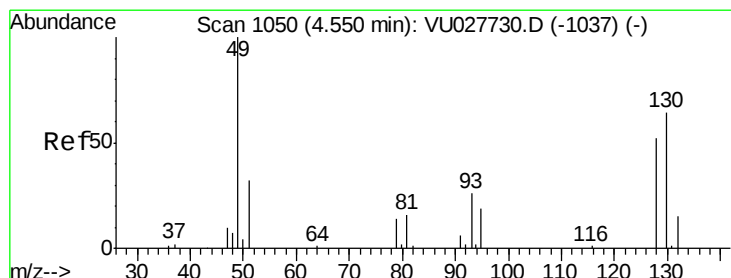
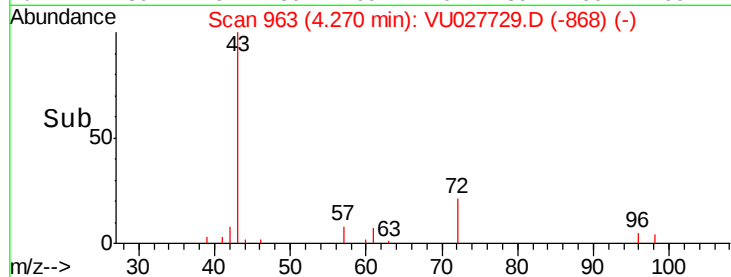
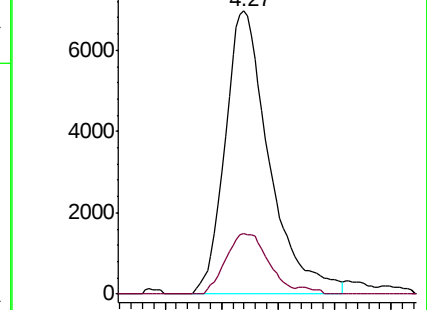
43 100

72 20.4 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027729.D (-963) (-)

Ion 72.00 (71.70 to 72.70): VU027729.D (-963) (-)



#23

Bromochloromethane

Concen: 10.637 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Tgt Ion: 128 Resp: 4425

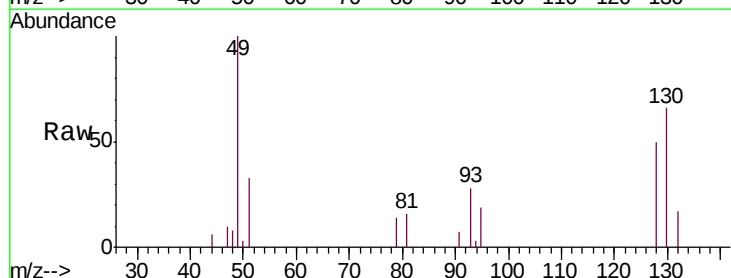
Ion Ratio Lower Upper

128 100

49 200.8 136.2 253.0

130 133.1 86.0 159.6

51 66.8 48.8 73.2

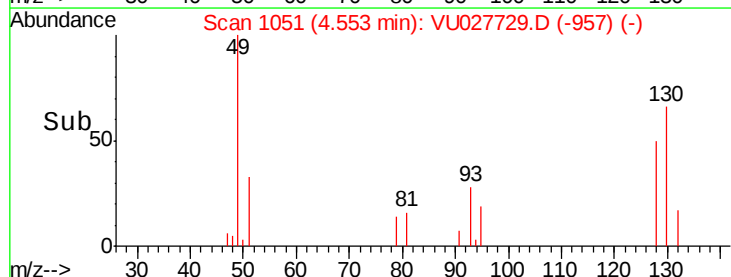
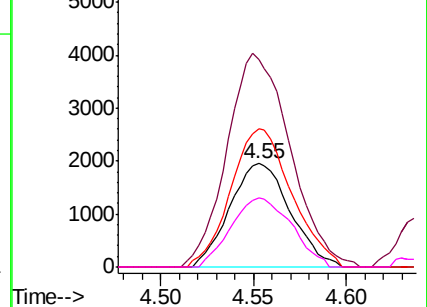


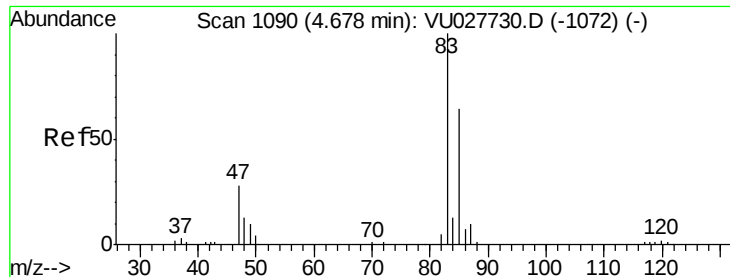
Abundance Ion 128.00 (127.70 to 128.70): VU027729.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU027729.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU027729.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU027729.D (-1051) (-)

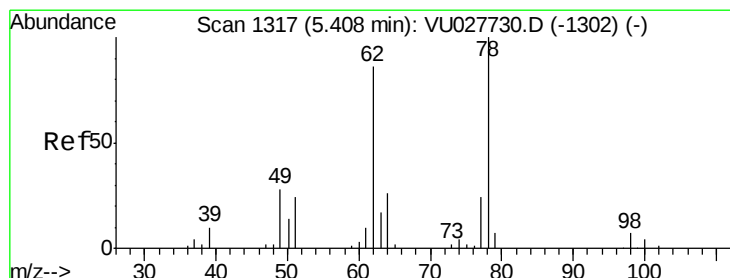
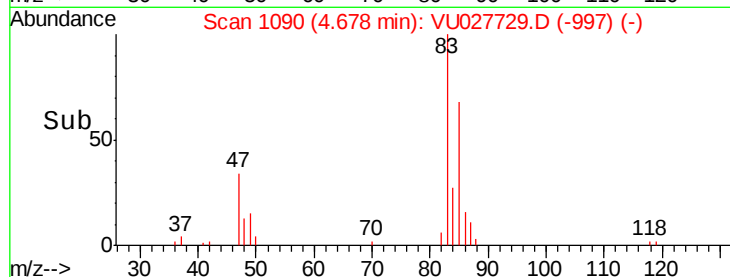
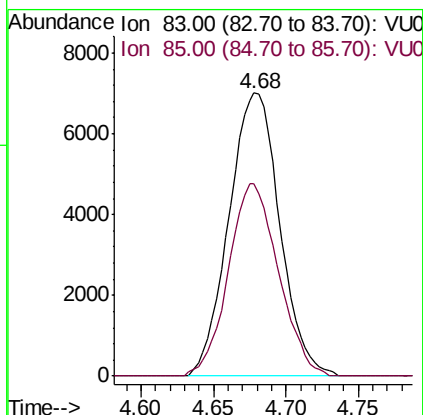
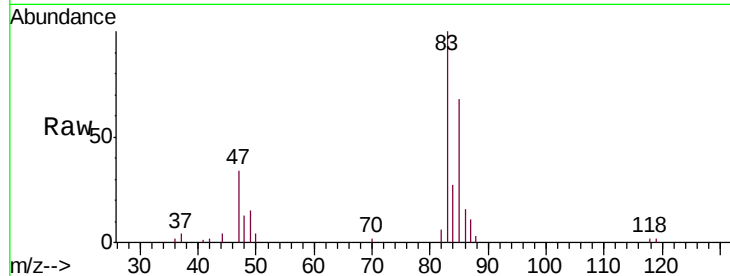




#25
Chloroform
Concen: 10.790 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

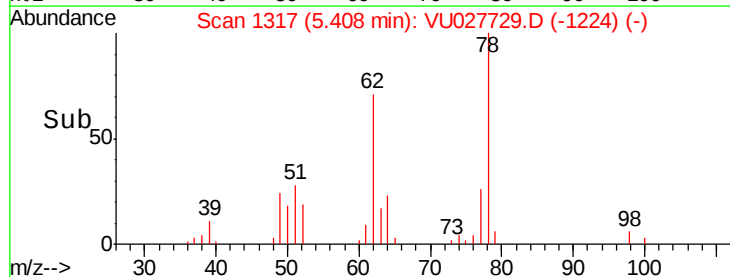
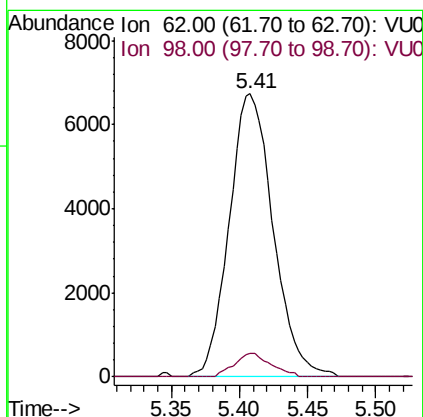
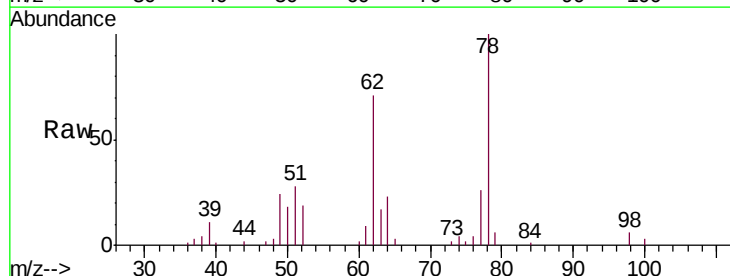
Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

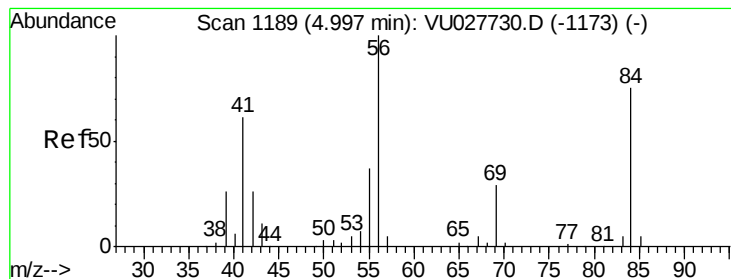
Tgt Ion: 83 Resp: 17113
Ion Ratio Lower Upper
83 100
85 67.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 10.966 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

Tgt Ion: 62 Resp: 15093
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5





#29

Cyclohexane

Concen: 11.327 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

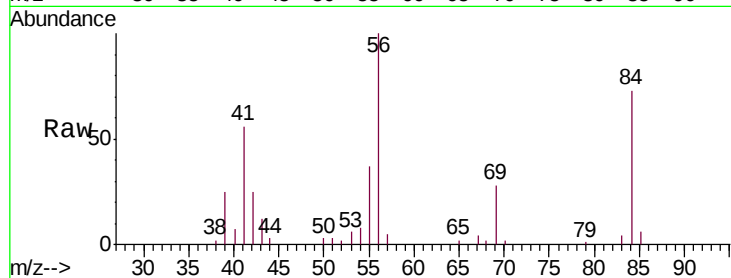
Tgt Ion: 56 Resp: 18591

Ion Ratio Lower Upper

56 100

69 28.1 22.5 33.7

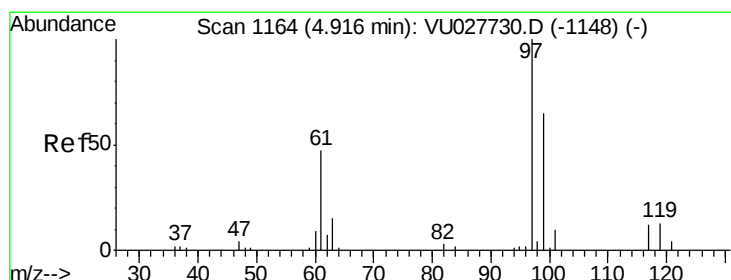
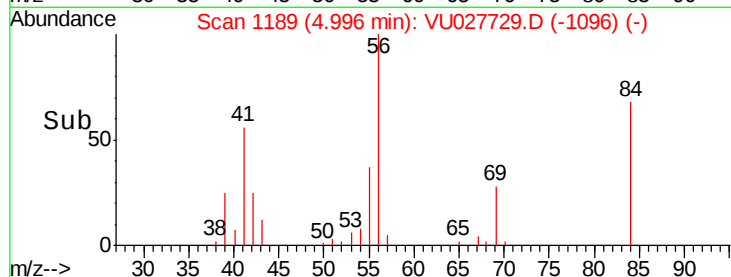
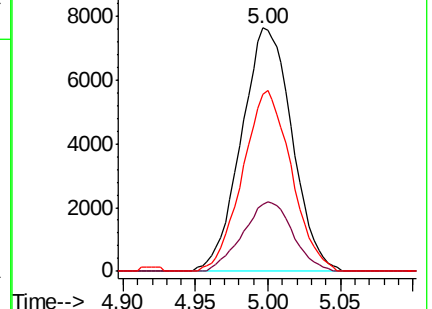
84 71.3 58.5 87.7



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: 11.354 ug/L

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

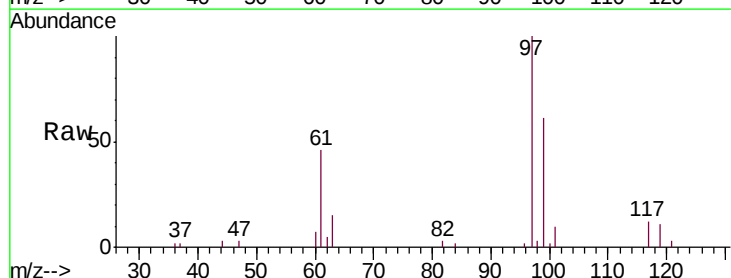
Tgt Ion: 97 Resp: 15759

Ion Ratio Lower Upper

97 100

99 63.1 51.7 77.5

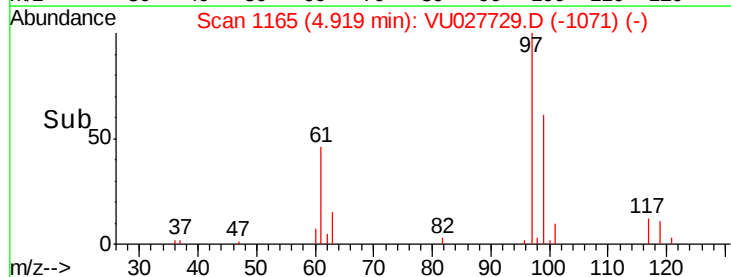
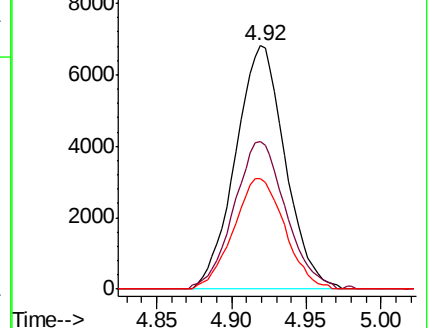
61 46.7 37.5 56.3

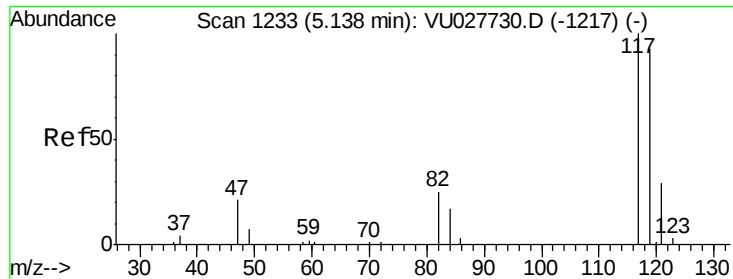


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

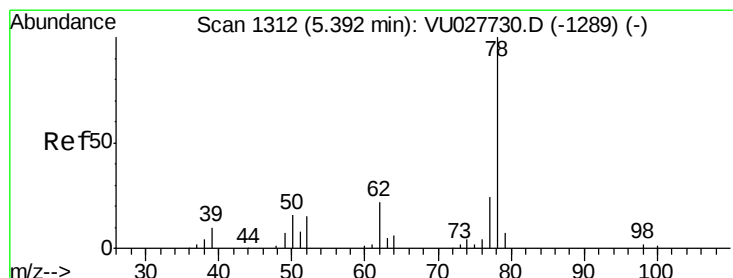
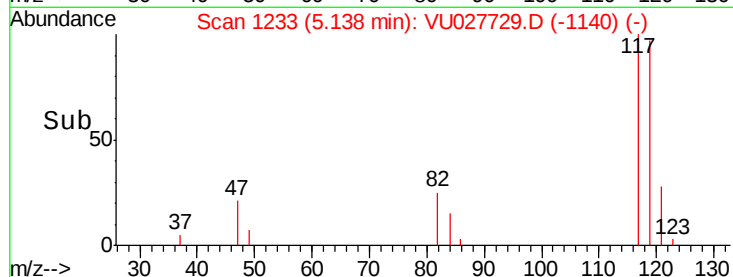
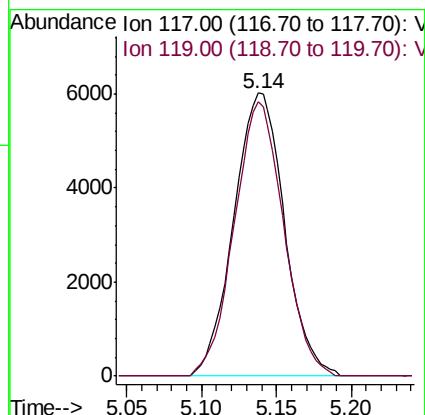
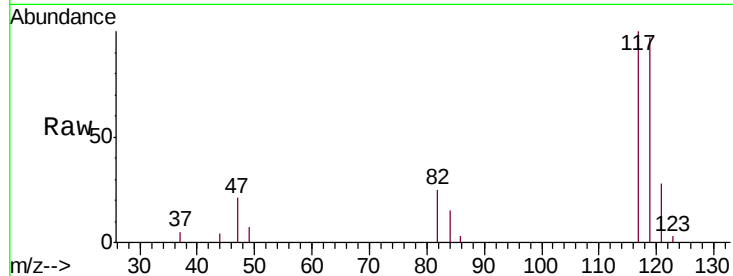




#31
Carbon tetrachloride
Concen: 11.336 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

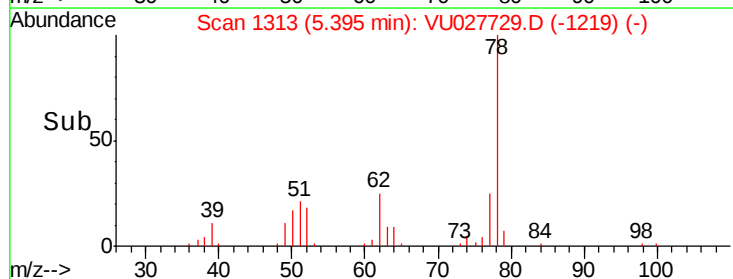
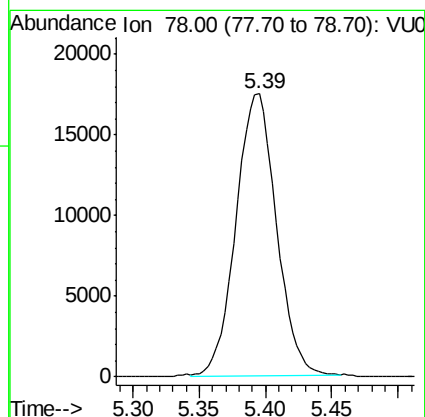
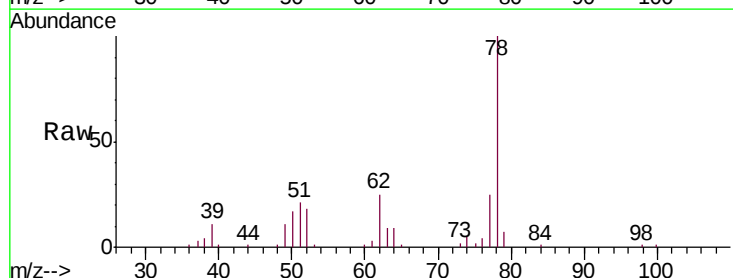
Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

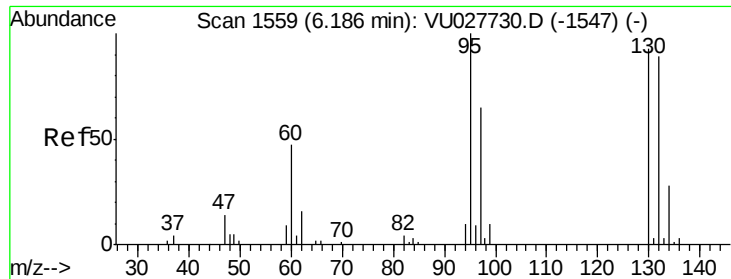
Tgt Ion:117 Resp: 14159
Ion Ratio Lower Upper
117 100
119 94.2 75.6 113.4



#33
Benzene
Concen: 10.883 ug/L
RT: 5.39 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

Tgt Ion: 78 Resp: 37075

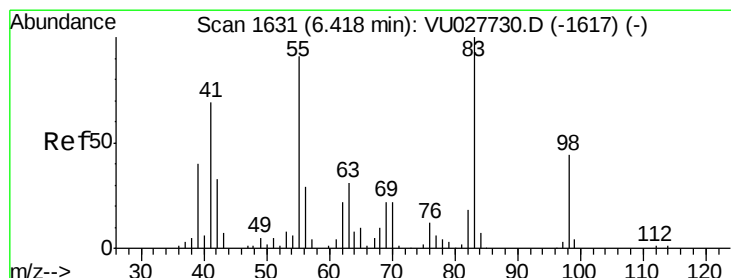
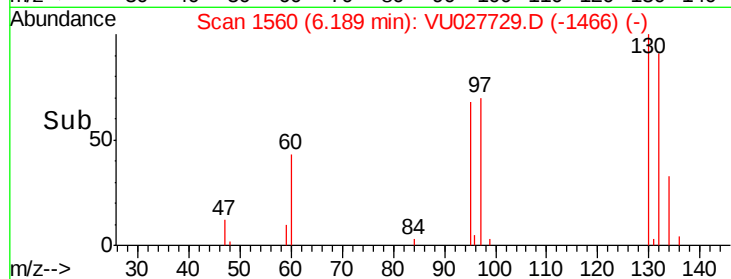
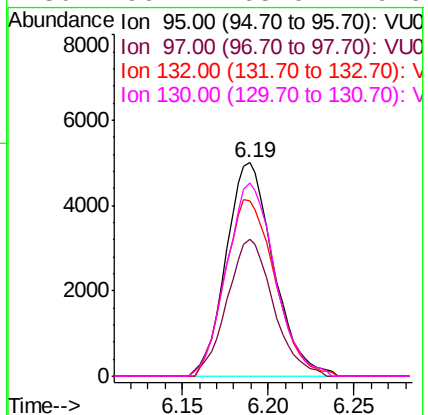
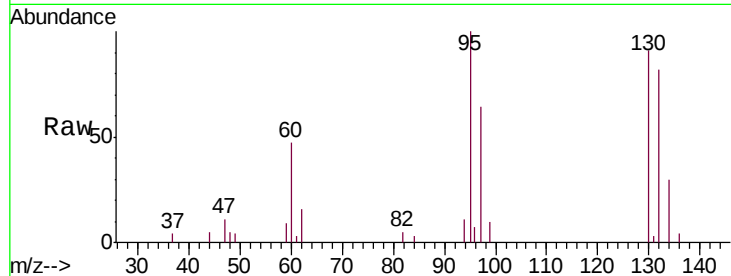




#34
 Trichloroethene
 Concen: 11.266 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

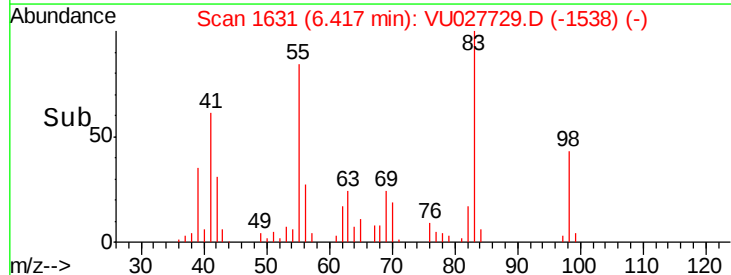
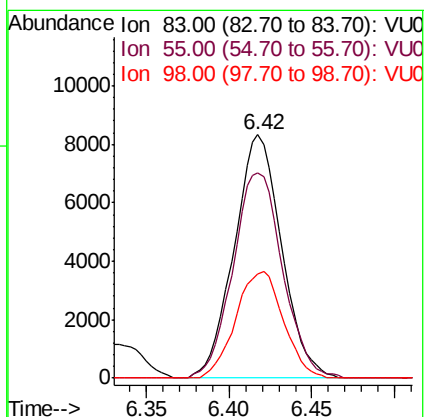
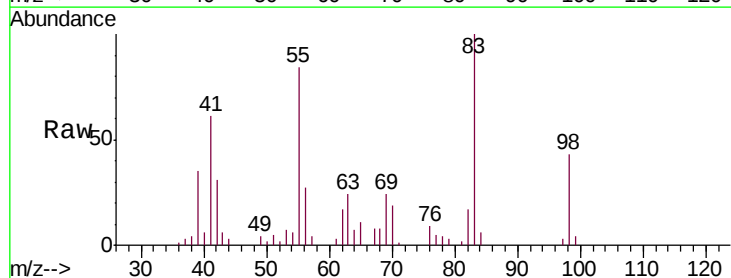
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

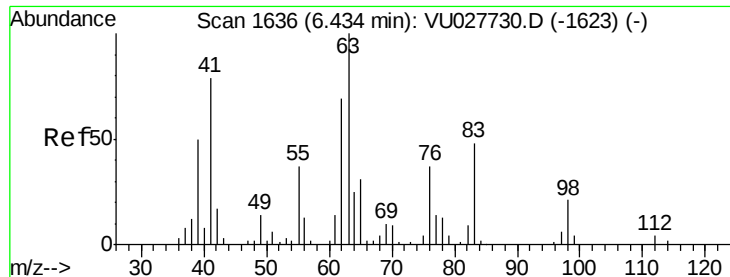
Tgt Ion: 95 Resp: 9608
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.8 85.2
 132 82.3 62.1 115.3
 130 90.7 65.0 120.6



#35
 Methylcyclohexane
 Concen: 11.216 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Tgt Ion: 83 Resp: 16543
 Ion Ratio Lower Upper
 83 100
 55 88.4 71.9 107.9
 98 44.0 34.6 52.0

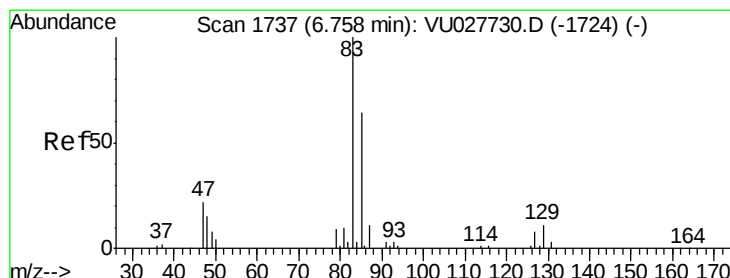
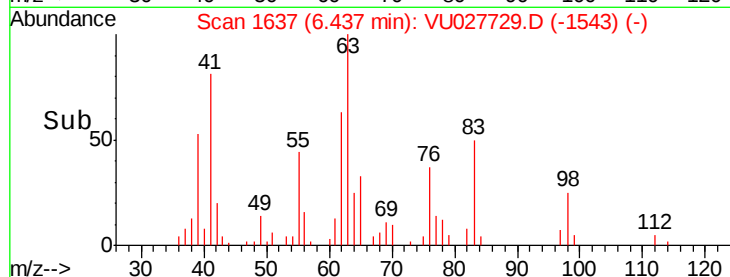
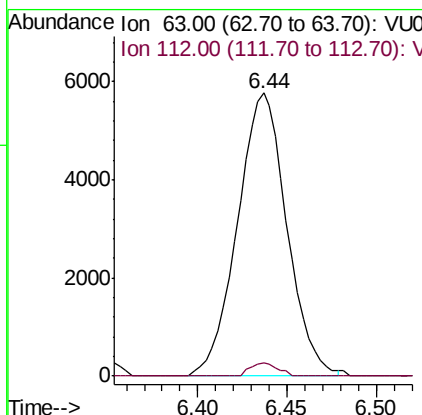
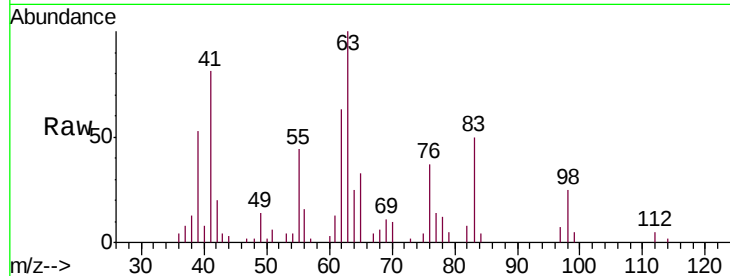




#37
 1,2-Dichloropropane
 Concen: 11.039 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

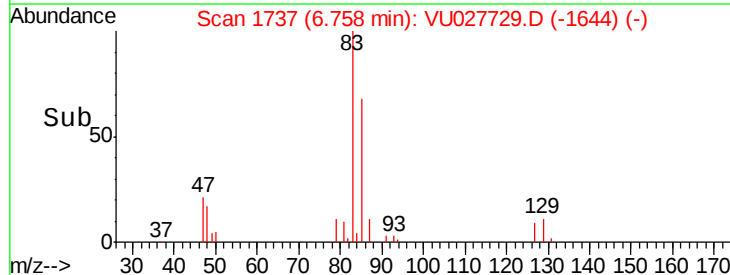
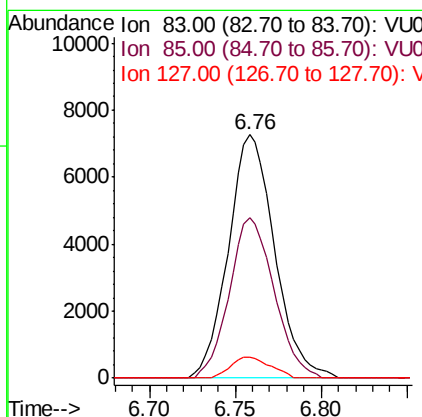
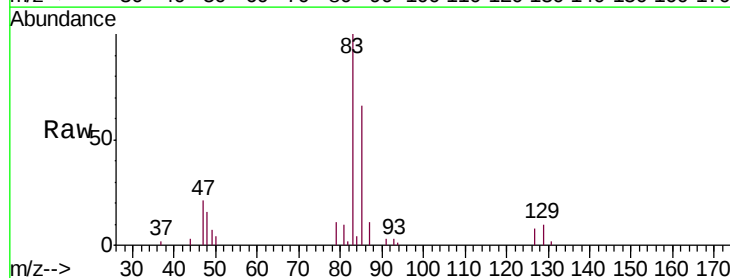
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

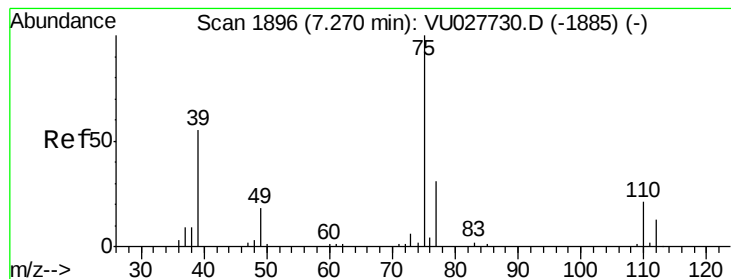
Tgt Ion: 63 Resp: 11111
 Ion Ratio Lower Upper
 63 100
 112 2.5 2.6 3.8#



#38
 Bromodichloromethane
 Concen: 10.888 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Tgt Ion: 83 Resp: 13619
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.5 82.7
 127 8.4 6.2 9.2



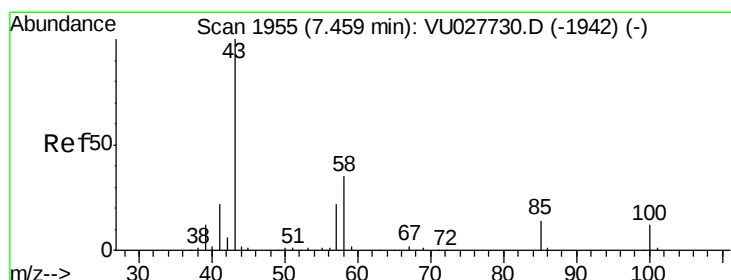
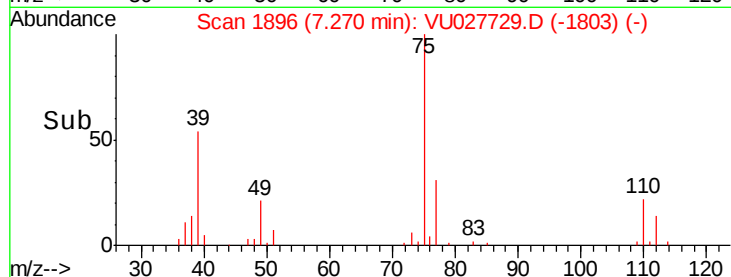
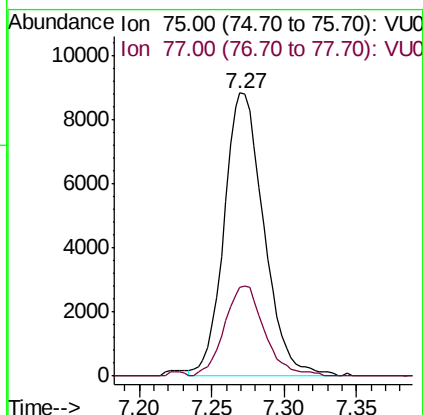
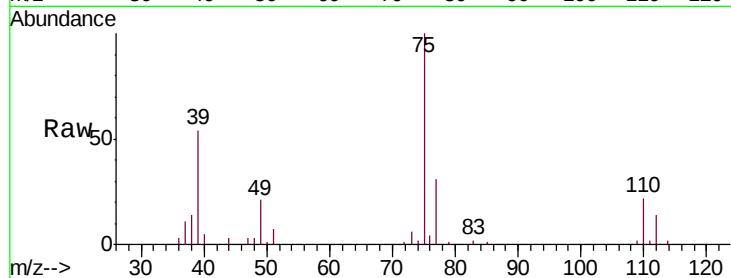


#39

cis-1,3-Dichloropropene
Concen: 10.831 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

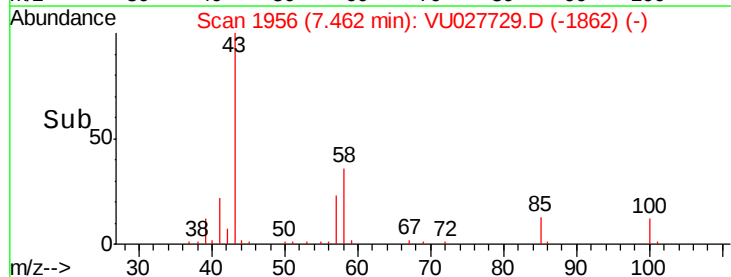
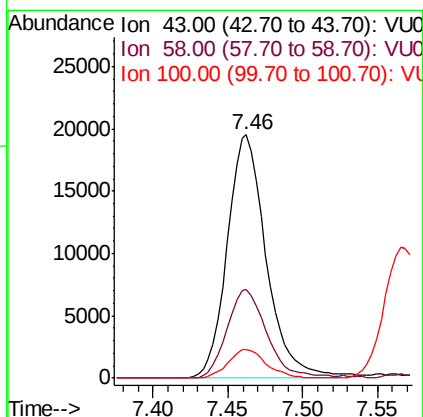
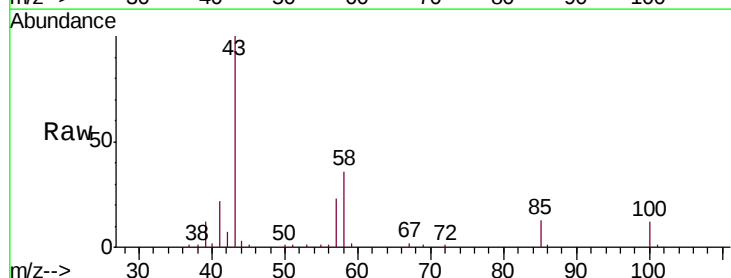
Tgt Ion: 75 Resp: 16786
Ion Ratio Lower Upper
75 100
77 31.3 22.5 41.7

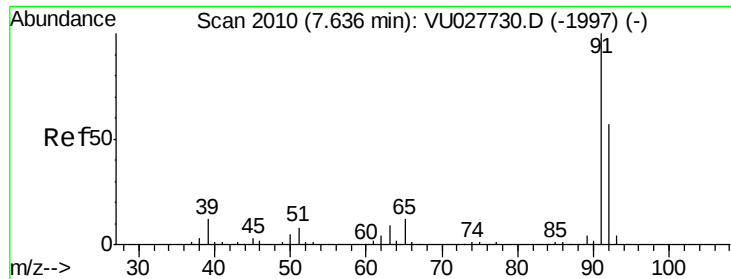


#40

4-Methyl-2-pentanone
Concen: 21.856 ug/L
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

Tgt Ion: 43 Resp: 35355
Ion Ratio Lower Upper
43 100
58 37.2 28.3 42.5
100 11.4 9.1 13.7





#42

Toluene

Concen: 11.194 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

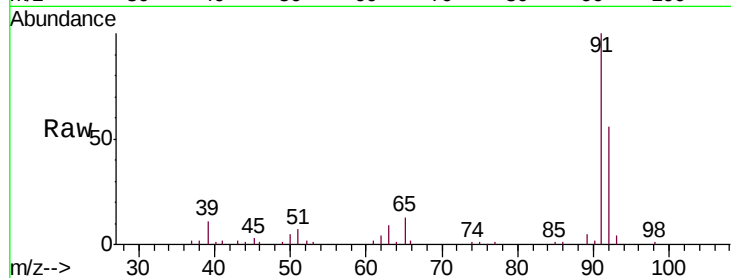
VSTD01053

Tgt Ion: 91 Resp: 39934

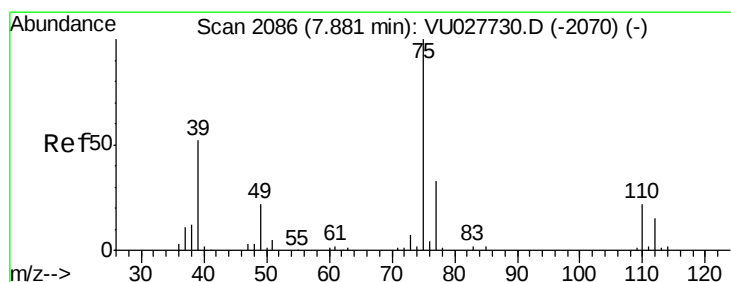
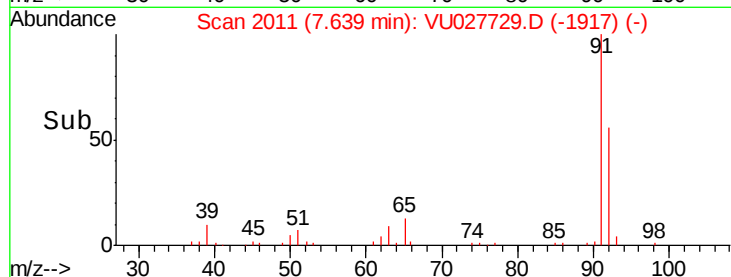
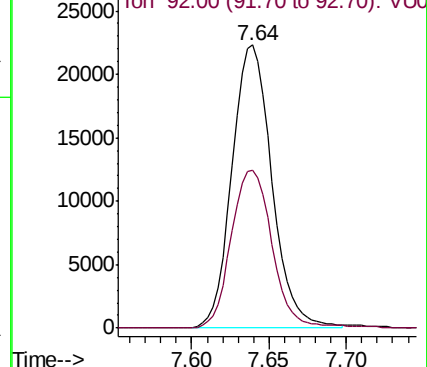
Ion Ratio Lower Upper

91 100

92 55.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU027730.D (-1997) (-)



#44

trans-1,3-Dichloropropene

Concen: 11.036 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027729.D

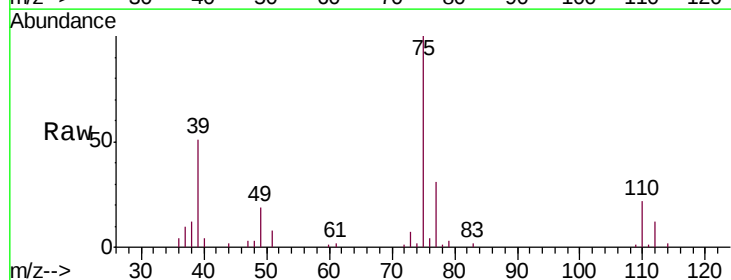
Acq: 22 Oct 2018 09:04

Tgt Ion: 75 Resp: 16179

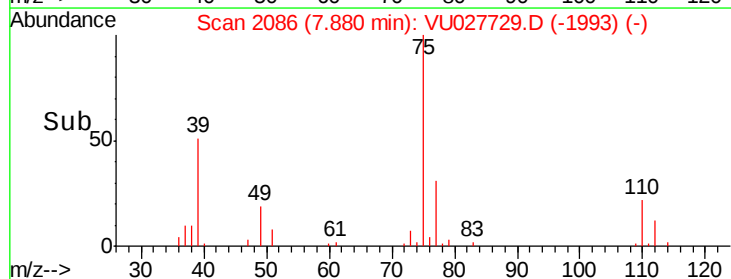
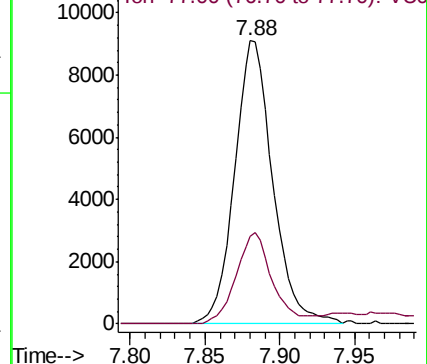
Ion Ratio Lower Upper

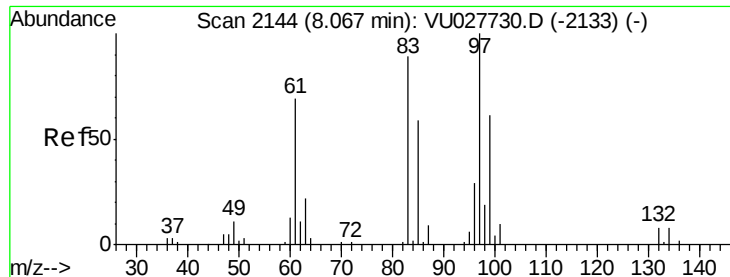
75 100

77 31.0 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU027730.D (-2070) (-)

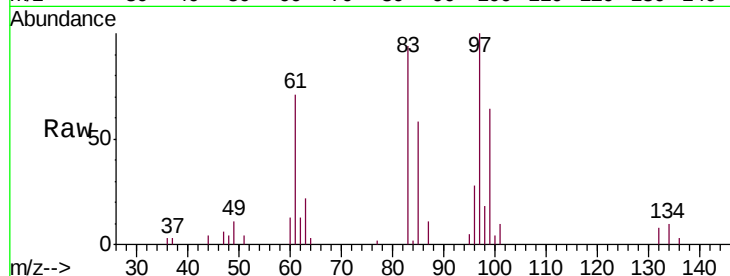




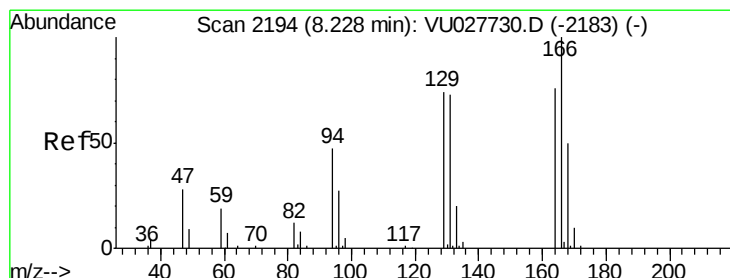
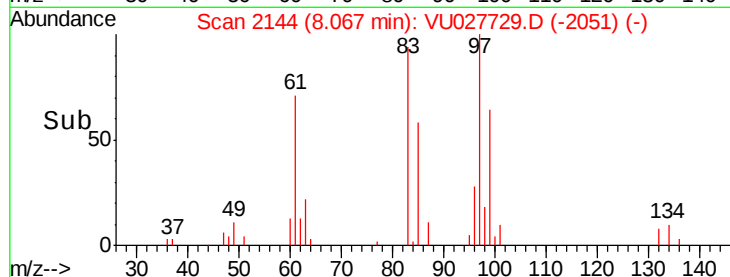
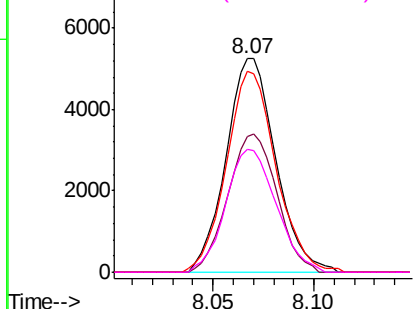
#45
 1,1,2-Trichloroethane
 Concen: 10.900 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

Tgt Ion:	97	Resp:	9062
Ion	Ratio	Lower	Upper
97	100		
99	63.6	42.6	79.2
83	94.3	62.4	115.8
85	57.6	41.6	77.2

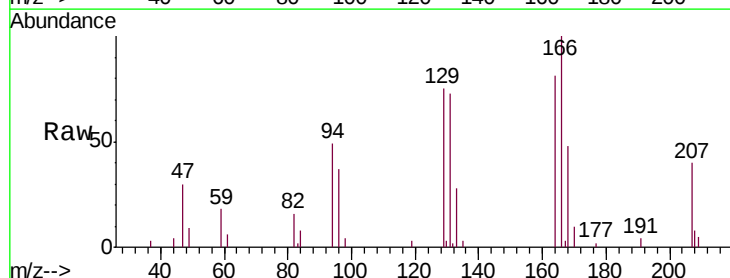


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

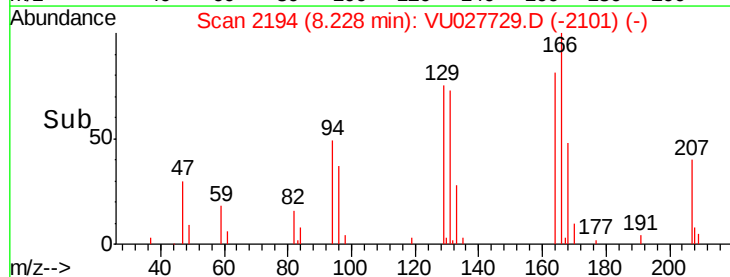
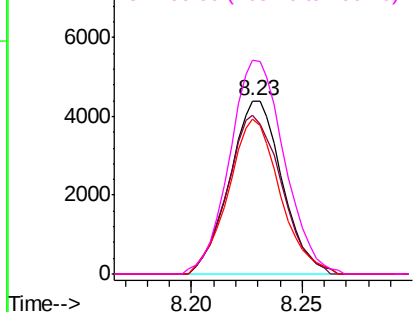


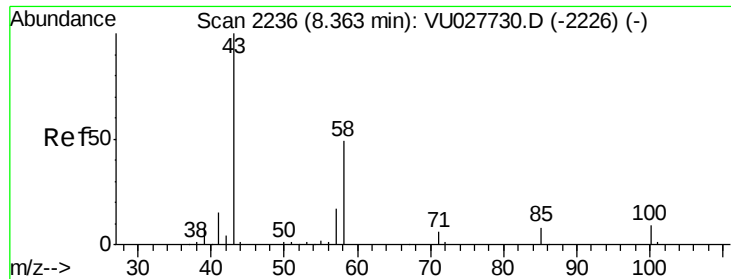
#46
 Tetrachloroethene
 Concen: 11.031 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Tgt Ion:	164	Resp:	7265
Ion	Ratio	Lower	Upper
164	100		
129	92.0	68.5	127.3
131	89.7	67.1	124.5
166	123.5	92.2	171.2



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

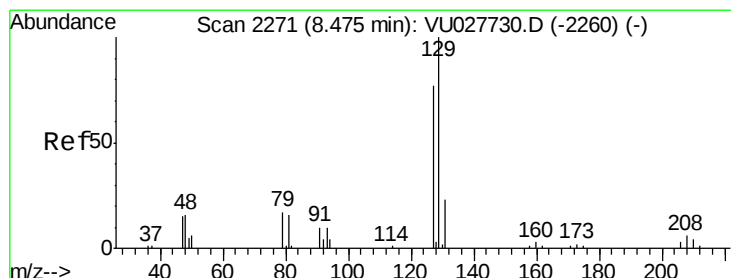
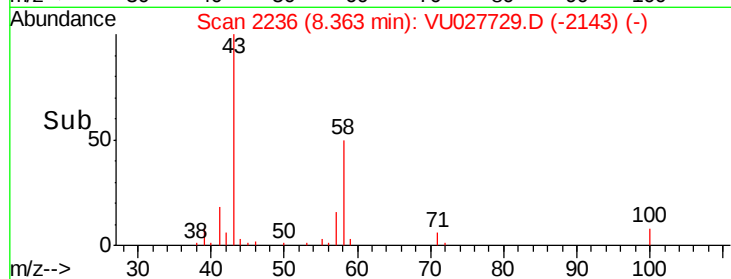
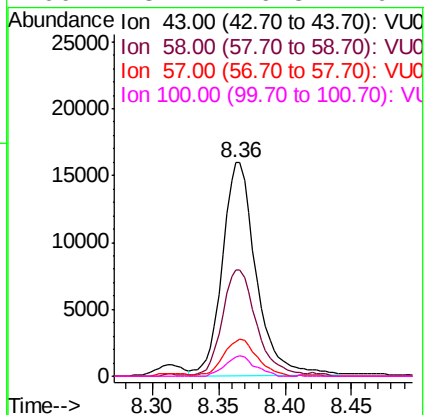
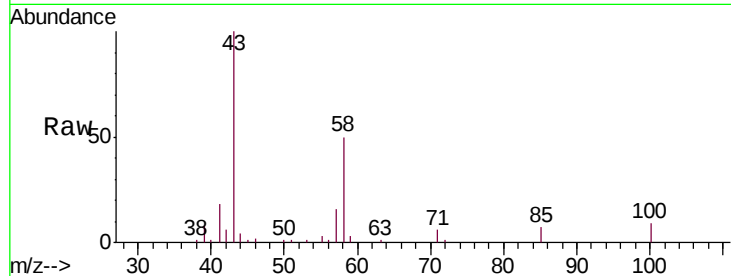




#48
2-Hexanone
Concen: 22.539 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

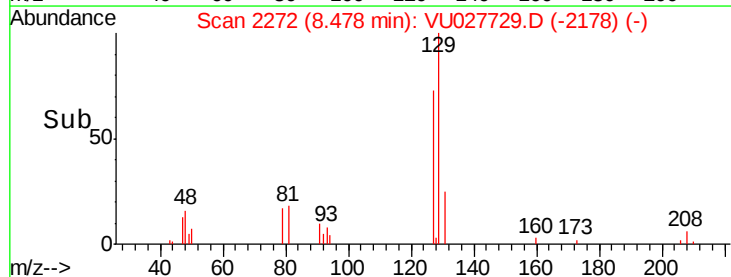
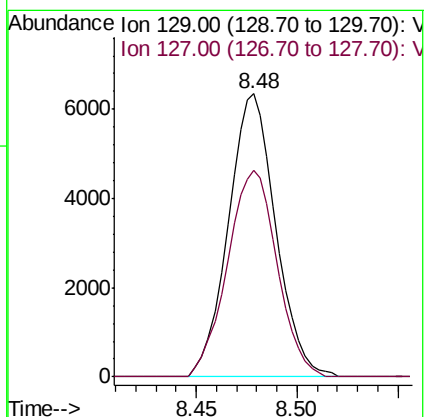
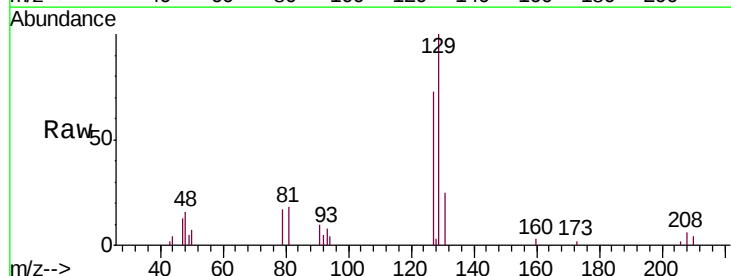
Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

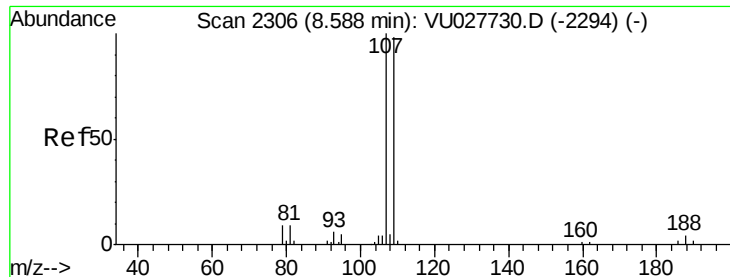
Tgt Ion: 43 Resp: 28275
Ion Ratio Lower Upper
43 100
58 49.0 38.8 58.2
57 17.2 13.1 19.7
100 8.2 6.8 10.2



#49
Dibromochloromethane
Concen: 10.578 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

Tgt Ion: 129 Resp: 10421
Ion Ratio Lower Upper
129 100
127 72.8 54.1 100.5

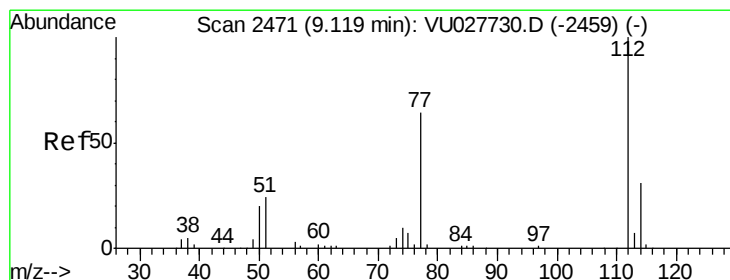
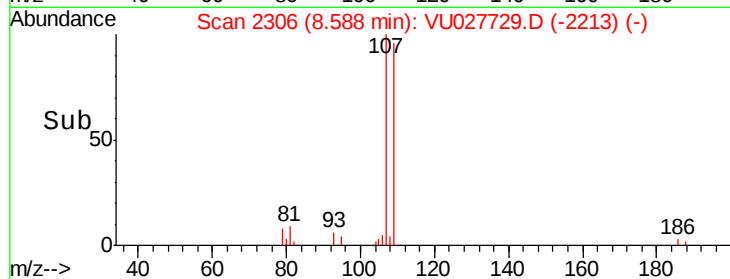
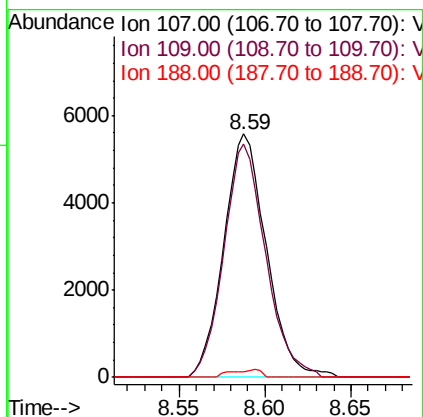
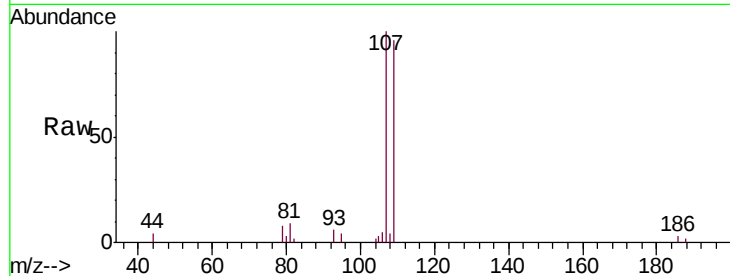




#50
 1,2-Dibromoethane
 Concen: 10.834 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

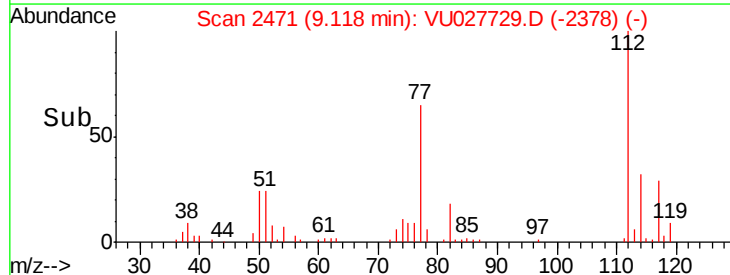
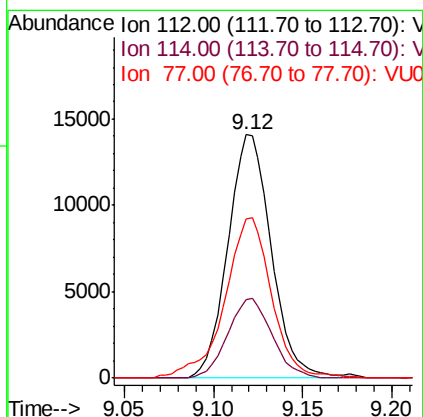
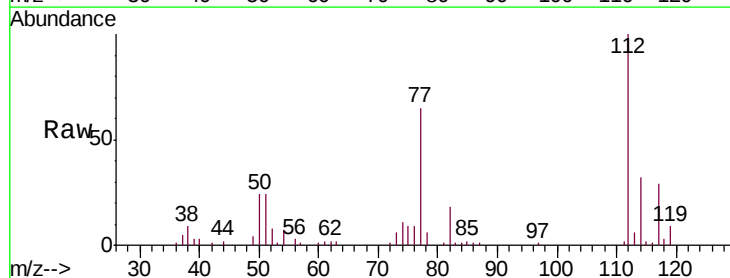
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

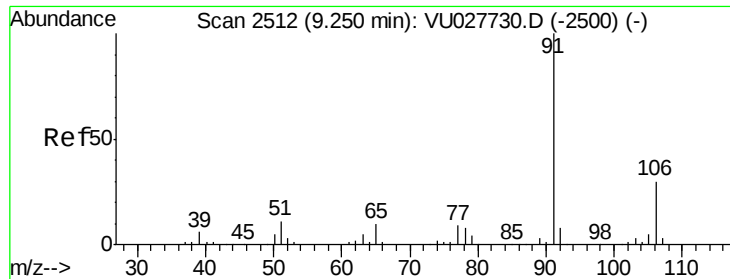
Tgt Ion:107 Resp: 9614
 Ion Ratio Lower Upper
 107 100
 109 95.8 68.4 127.0
 188 2.5 3.3 4.9#



#51
 Chlorobenzene
 Concen: 10.923 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Tgt Ion:112 Resp: 23891
 Ion Ratio Lower Upper
 112 100
 114 32.4 21.9 40.7
 77 65.2 52.2 78.2





#52

Ethylbenzene

Concen: 10.836 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

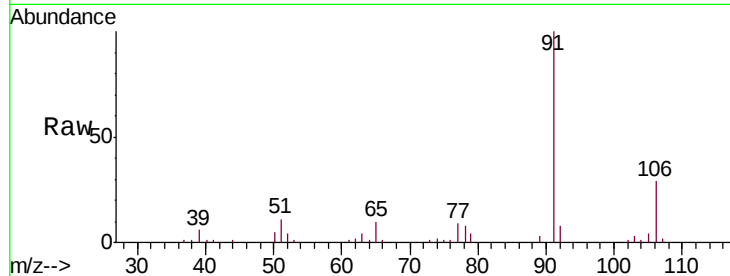
VSTD01053

Tgt Ion: 91 Resp: 43729

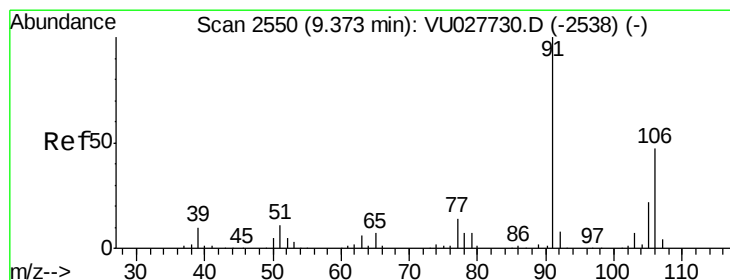
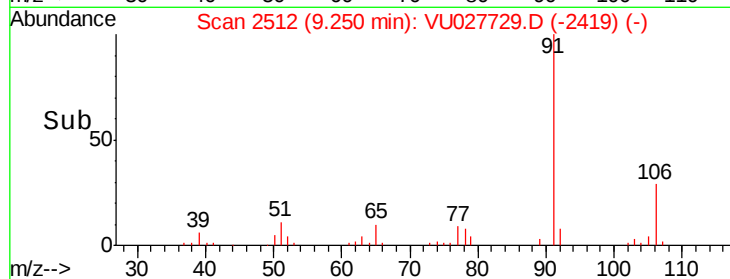
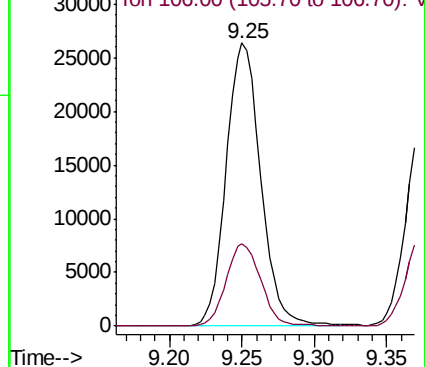
Ion Ratio Lower Upper

91 100

106 29.3 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU027730.D (-2500) (-)



#53

m,p-Xylene

Concen: 10.752 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027729.D

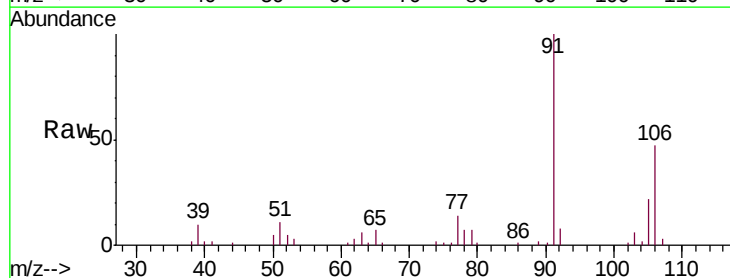
Acq: 22 Oct 2018 09:04

Tgt Ion: 106 Resp: 15674

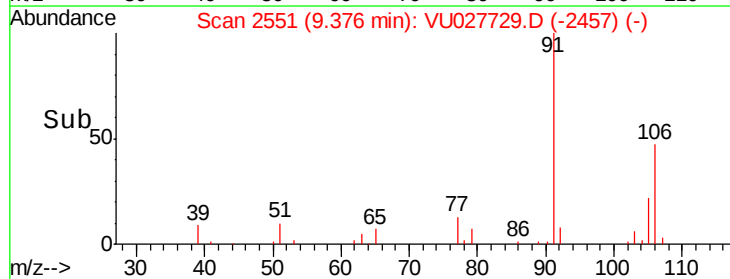
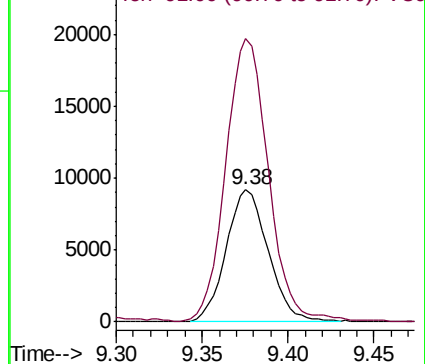
Ion Ratio Lower Upper

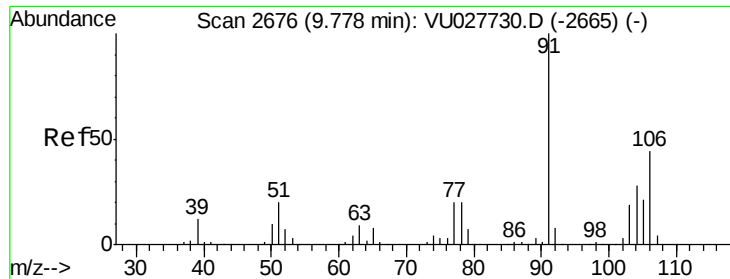
106 100

91 214.2 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027729.D (-2457) (-)

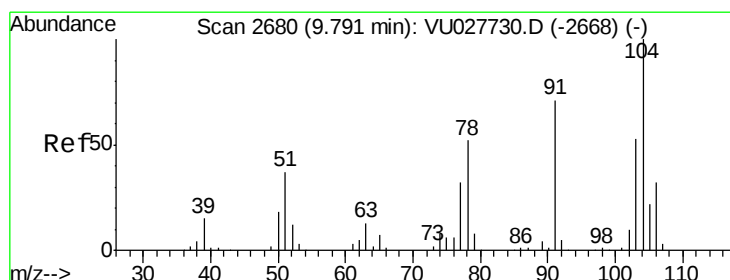
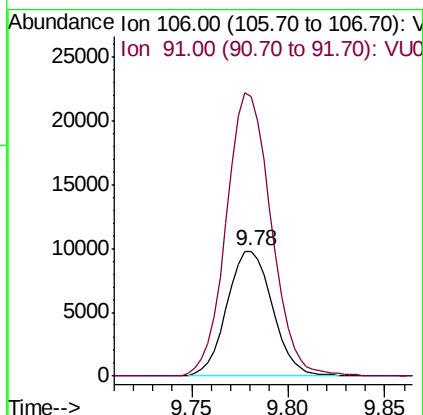
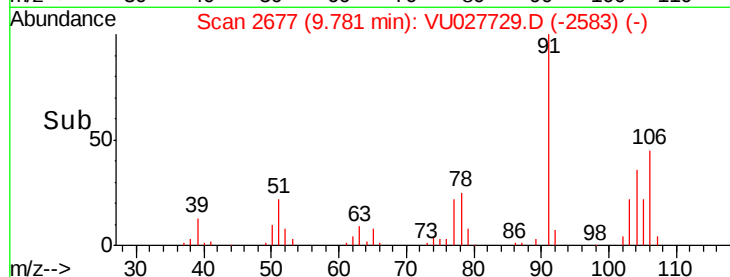
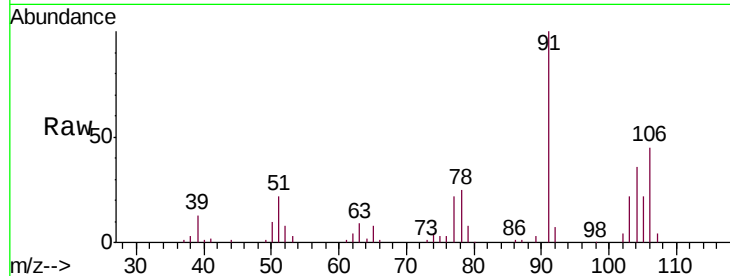




#54
o-xylene
Concen: 11.061 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

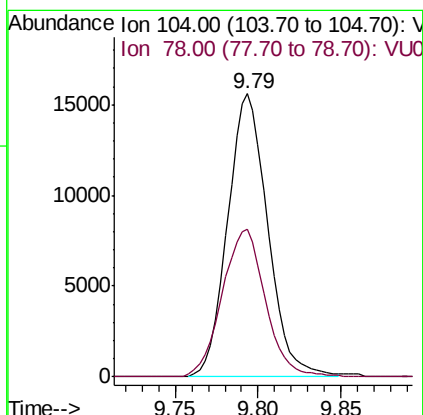
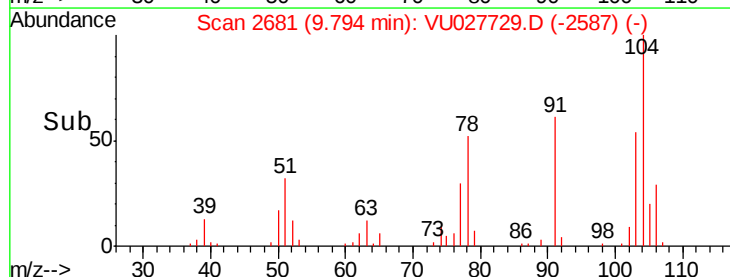
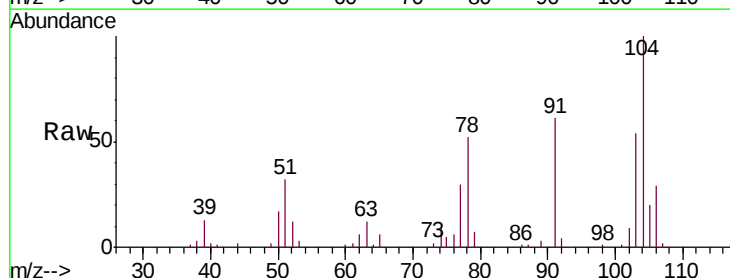
Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

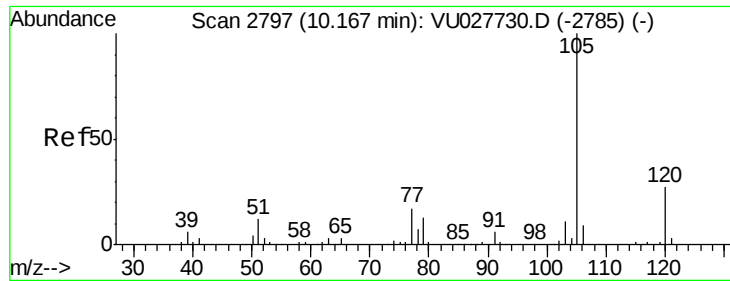
Tgt Ion:106 Resp: 16073
Ion Ratio Lower Upper
106 100
91 223.1 159.4 296.0



#55
Styrene
Concen: 10.620 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027729.D
Acq: 22 Oct 2018 09:04

Tgt Ion:104 Resp: 26268
Ion Ratio Lower Upper
104 100
78 52.1 36.5 67.9





#56

Isopropylbenzene

Concen: 10.840 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

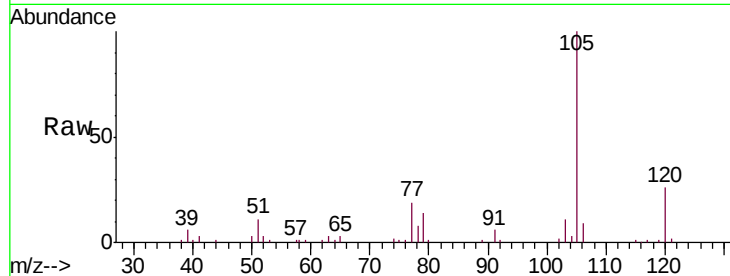
Tgt Ion: 105 Resp: 41716

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

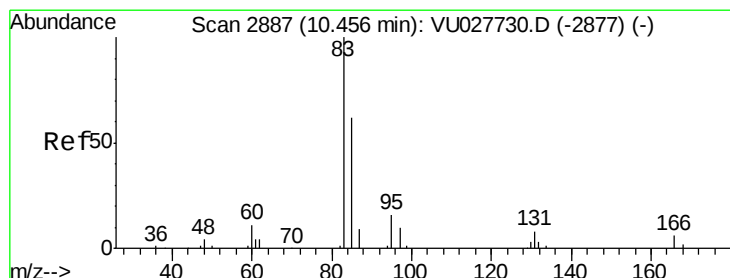
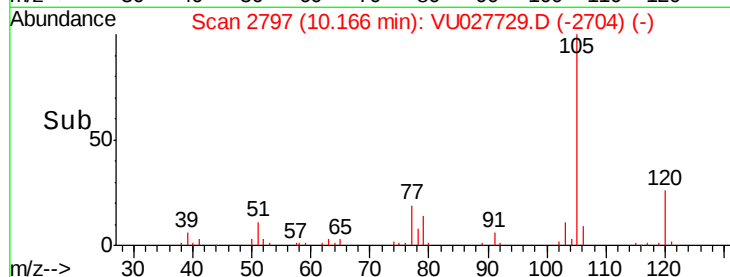
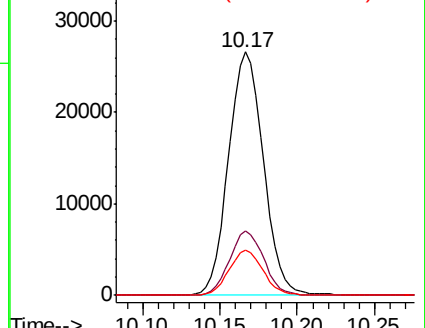
77 18.0 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.986 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

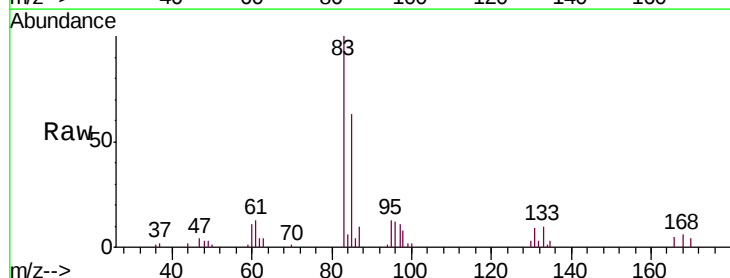
Tgt Ion: 83 Resp: 16242

Ion Ratio Lower Upper

83 100

85 63.2 44.6 82.8

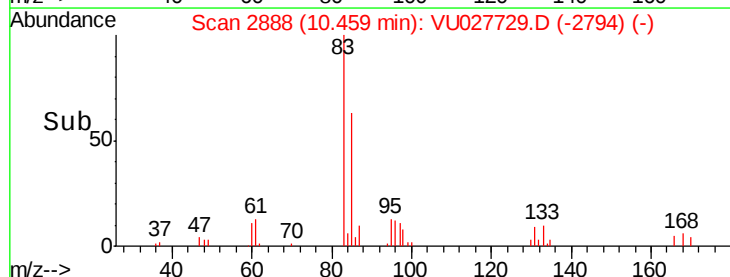
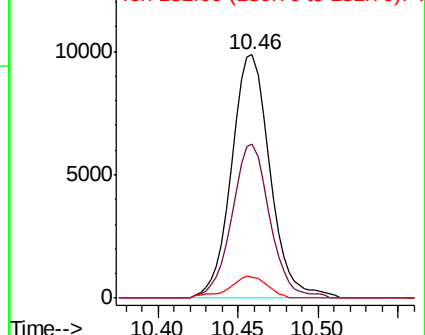
131 8.7 6.9 10.3

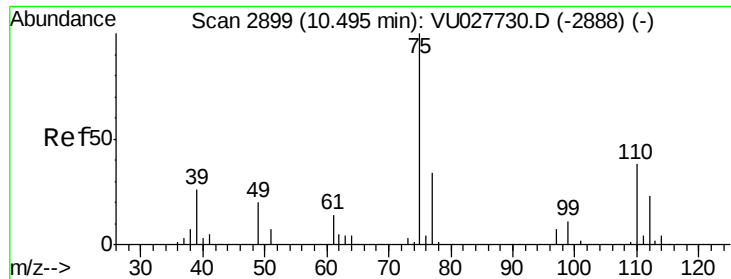


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 11.383 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

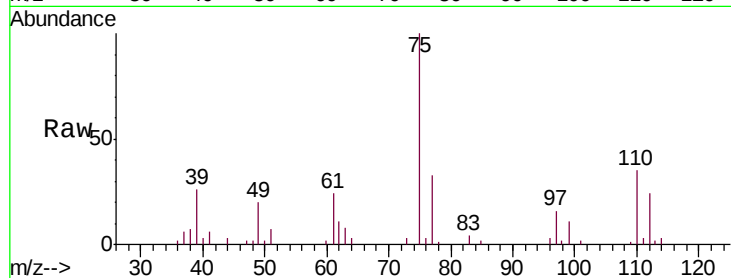
VSTD01053

Tgt Ion: 75 Resp: 13541

Ion Ratio Lower Upper

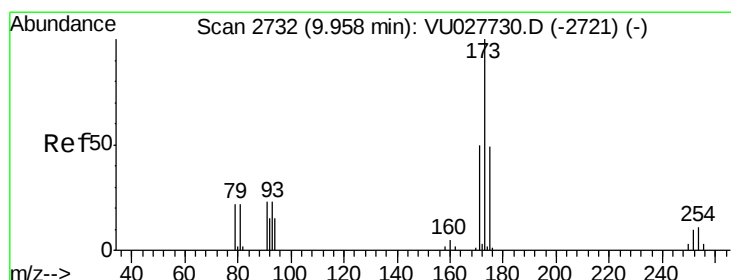
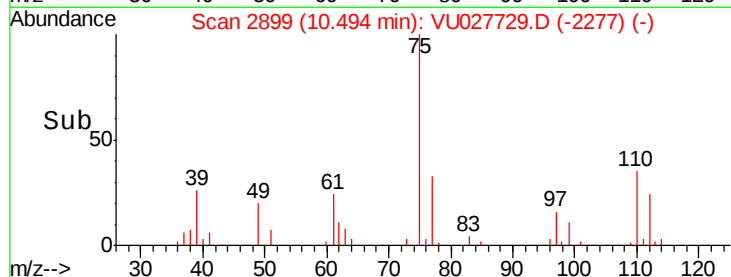
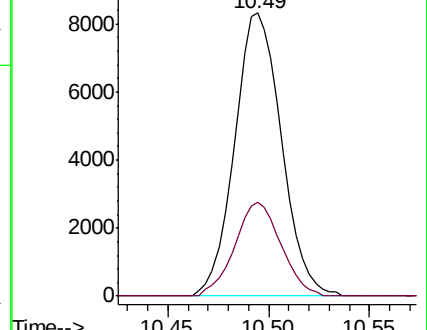
75 100

77 32.7 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU027730.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU027730.D (-2888) (-)



#61

Bromoform

Concen: 10.328 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

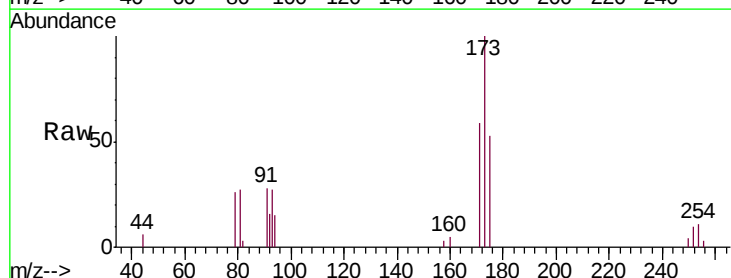
Tgt Ion: 173 Resp: 7429

Ion Ratio Lower Upper

173 100

175 50.7 38.6 58.0

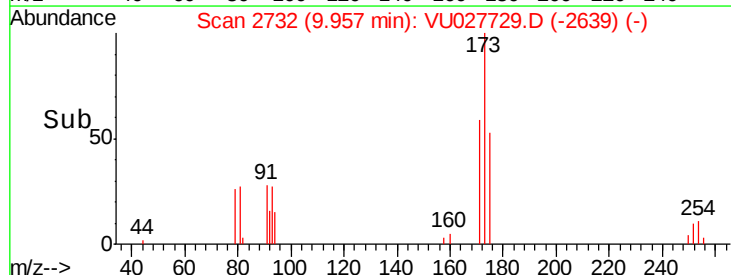
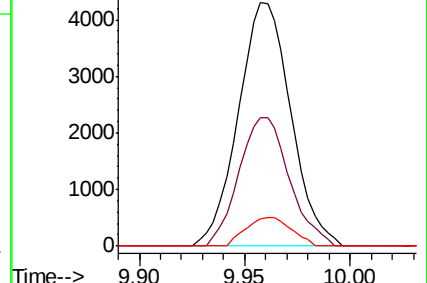
254 10.1 7.9 11.9

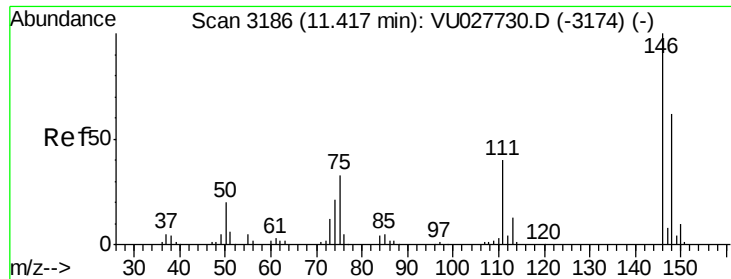


Abundance Ion 173.00 (172.70 to 173.70): VU027730.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU027730.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU027730.D (-2721) (-)





#62

1,3-Dichlorobenzene

Concen: 10.967 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampled :

VSTD01053

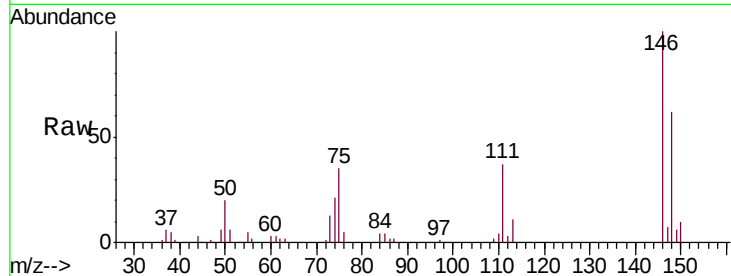
Tgt Ion:146 Resp: 17744

Ion Ratio Lower Upper

146 100

111 36.9 28.1 52.3

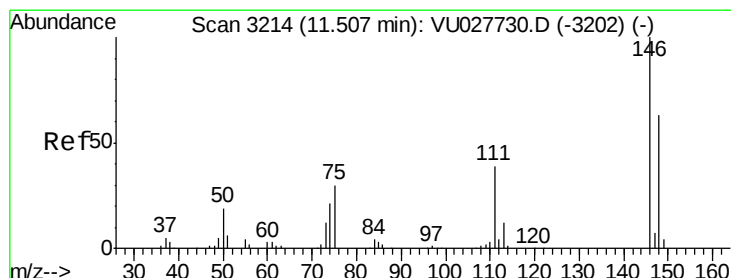
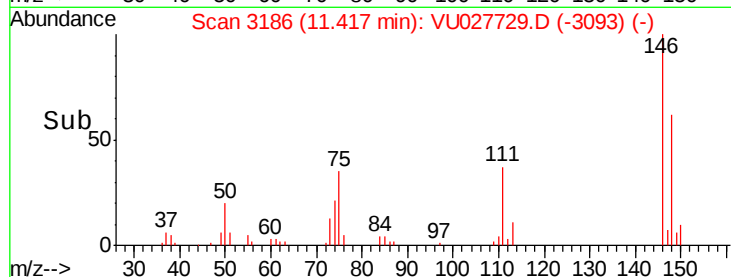
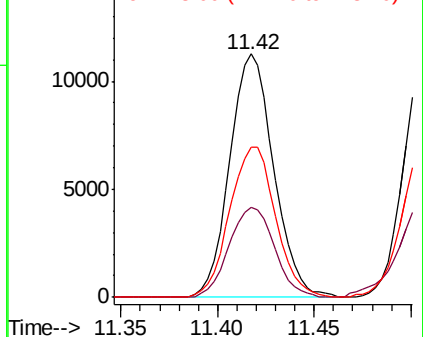
148 61.6 43.7 81.1



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: 10.666 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

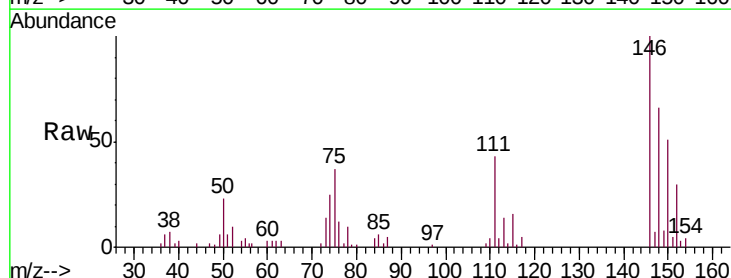
Tgt Ion:146 Resp: 17597

Ion Ratio Lower Upper

146 100

111 42.6 27.5 51.1

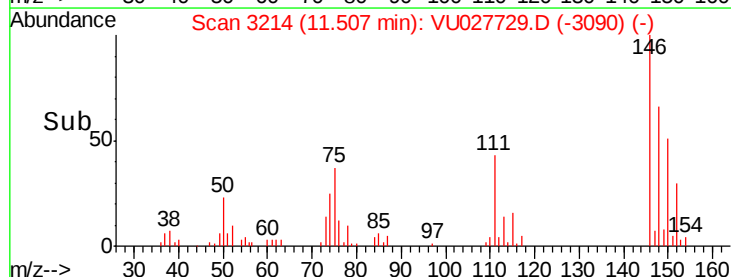
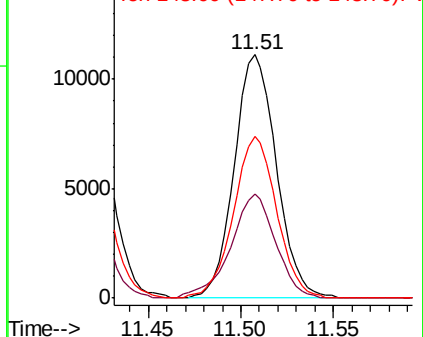
148 66.2 44.1 81.9

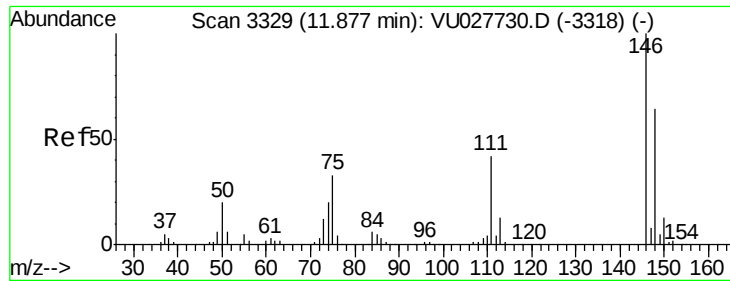


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

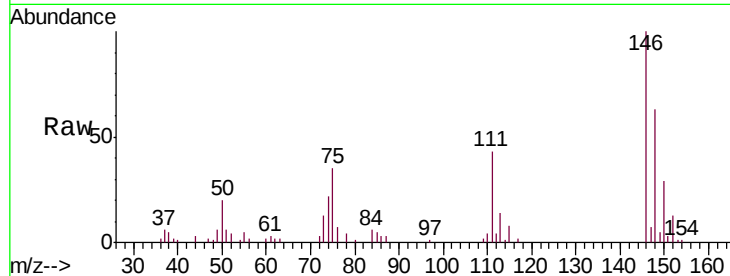




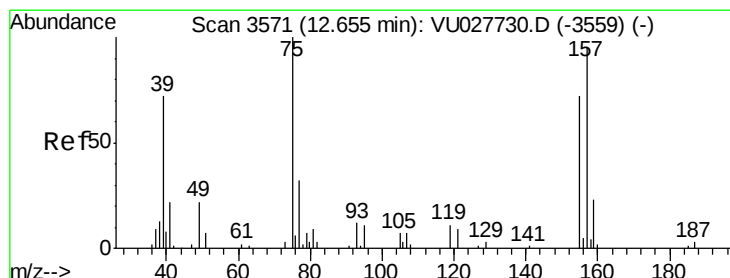
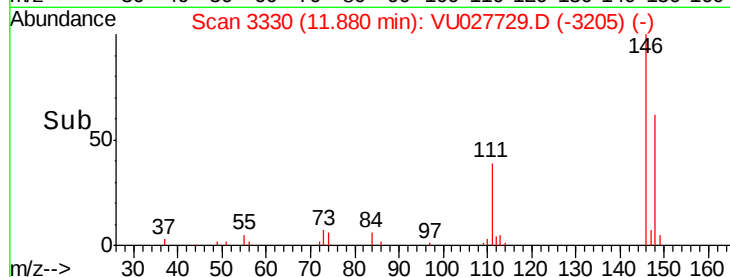
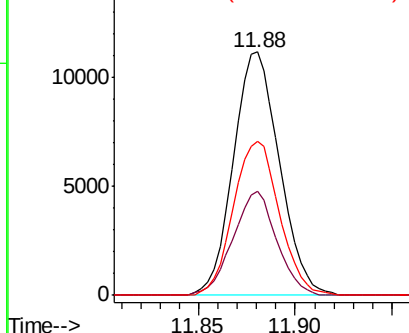
#65
 1,2-Dichlorobenzene
 Concen: 11.078 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

Tgt Ion: 146 Resp: 18435
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.8 50.8
 148 63.4 51.5 77.3

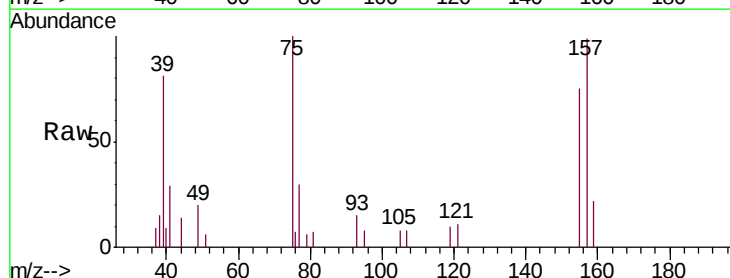


Abundance Ion 146.00 (145.70 to 146.70): V
 15000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

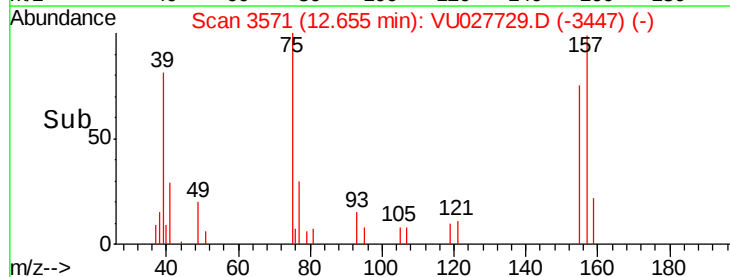
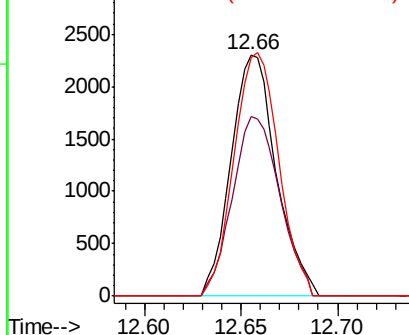


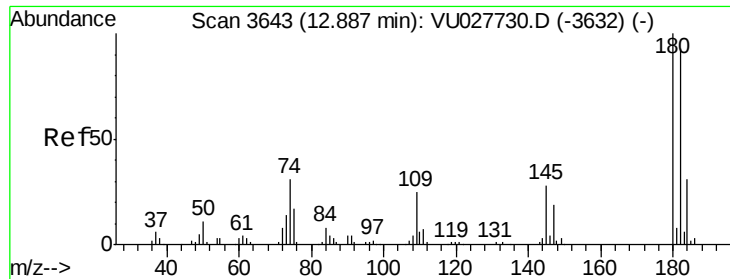
#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.811 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Tgt Ion: 75 Resp: 3749
 Ion Ratio Lower Upper
 75 100
 155 74.6 57.4 86.2
 157 98.9 75.9 113.9



Abundance Ion 75.00 (74.70 to 75.70): VU0
 3000 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

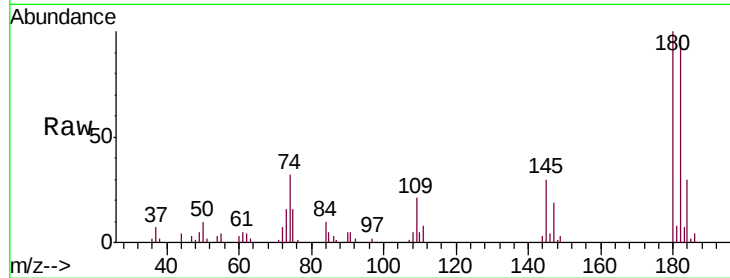




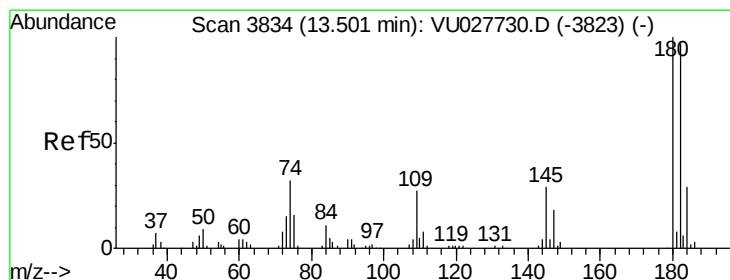
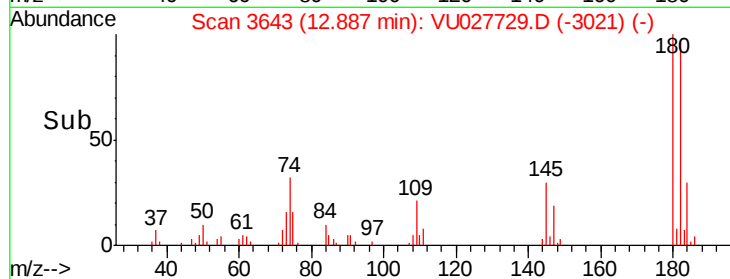
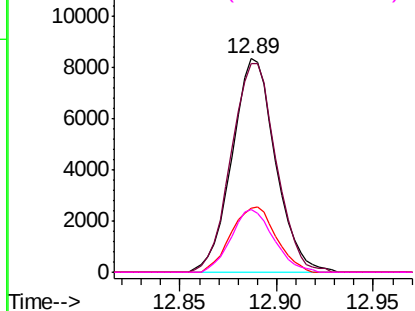
#67
 1,3,5-Trichlorobenzene
 Concen: 10.468 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

Tgt Ion:180 Resp: 13099
 Ion Ratio Lower Upper
 180 100
 182 100.4 75.9 113.9
 184 31.6 24.7 37.1
 145 28.7 23.0 34.4

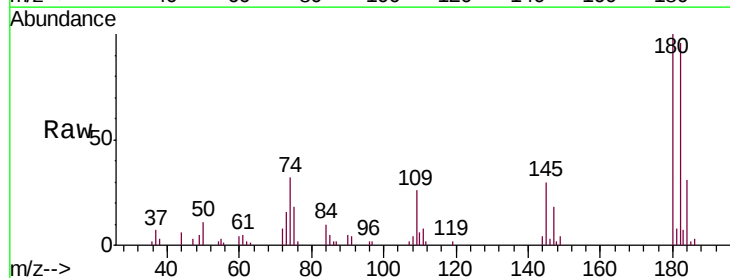


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

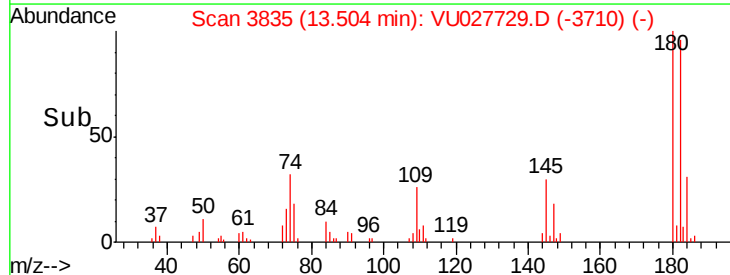
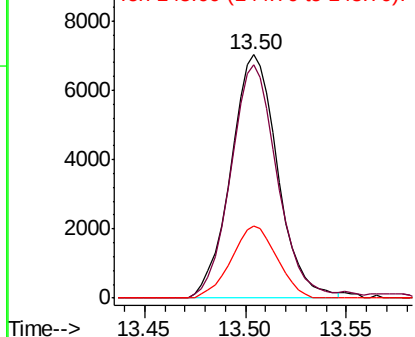


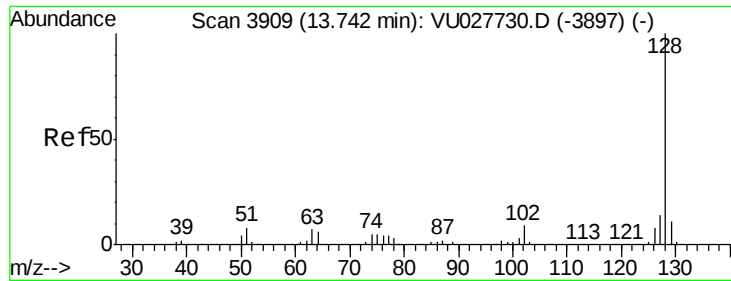
#68
 1,2,4-trichlorobenzene
 Concen: 10.269 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027729.D
 Acq: 22 Oct 2018 09:04

Tgt Ion:180 Resp: 11408
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.1 115.7
 145 28.8 23.4 35.0



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: 10.522 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

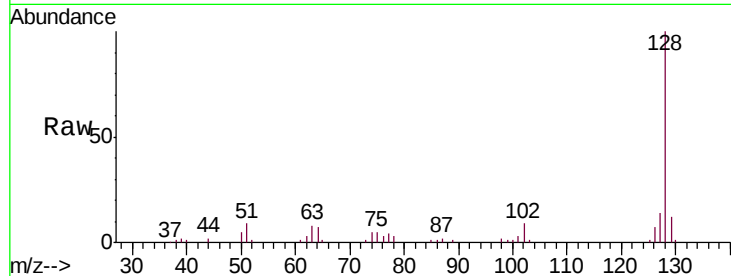
Tgt Ion:128 Resp: 37753

Ion Ratio Lower Upper

128 100

127 13.2 10.9 16.3

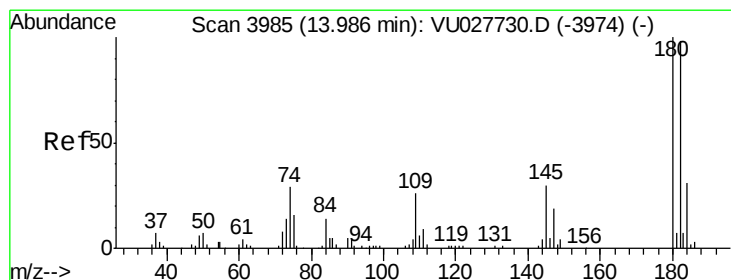
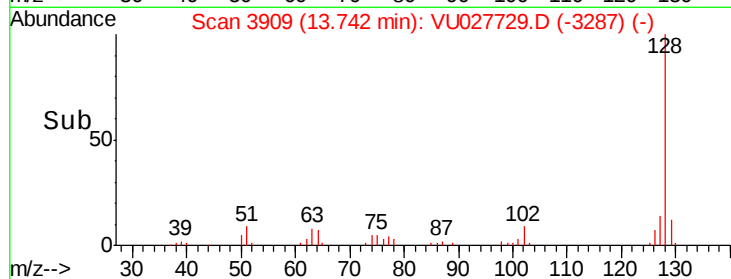
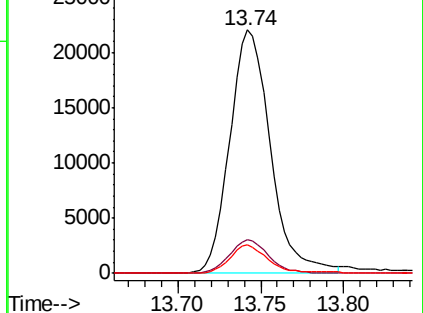
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.515 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027729.D

Acq: 22 Oct 2018 09:04

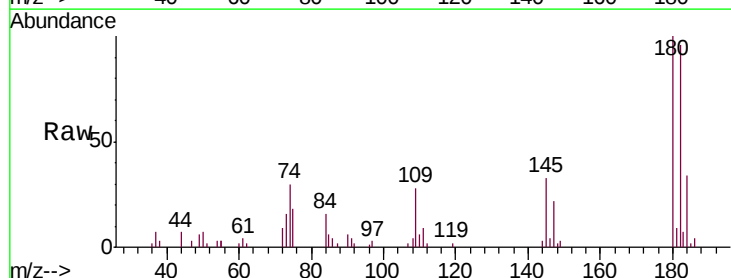
Tgt Ion:180 Resp: 12209

Ion Ratio Lower Upper

180 100

182 94.1 77.8 116.6

145 30.2 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

