

Data File : VU027728.D
Acq On : 22 Oct 2018 08:41
Operator : MD/SY
Sample : VSTD00552
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Quant Time: Oct 23 07:20:21 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	119870	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	110836	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51090	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	4353	4.67	ug/L	0.00
7) Chloroethane-d5	1.68	69	3545	4.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	7965	4.74	ug/L	0.00
21) 2-Butanone-d5	4.19	46	7109	8.94	ug/L	0.00
24) Chloroform-d	4.65	84	7634	4.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	5500	4.74	ug/L	0.00
32) Benzene-d6	5.34	84	15247	4.83	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	5493	4.87	ug/L	0.00
41) Toluene-d8	7.57	98	13983	4.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2555	4.67	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	5204	9.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	6923	4.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	5136	4.91	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	4373	4.489	ug/L	97
3) Chloromethane	1.33	50	5297	4.642	ug/L	99
5) Vinyl chloride	1.40	62	4902	4.529	ug/L	96
6) Bromomethane	1.63	94	2381	4.362	ug/L	96
8) Chloroethane	1.70	64	2557	4.377	ug/L	88
9) Trichlorofluoromethane	1.89	101	5813	4.457	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3426	4.797	ug/L	93
12) 1,1-Dichloroethene	2.29	96	2921	4.373	ug/L	87
13) Acetone	2.32	43	5931	10.713	ug/L	97
14) Carbon disulfide	2.48	76	10556	4.539	ug/L	100
15) Methyl Acetate	2.62	43	5587	4.795	ug/L	94
16) Methylene chloride	2.70	84	3813	4.621	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	3373	4.565	ug/L	89
18) Methyl tert-butyl Ether	3.00	73	12567	4.550	ug/L #	88
19) 1,1-Dichloroethane	3.45	63	7091	4.423	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	4071	4.658	ug/L	94
22) 2-Butanone	4.28	43	7364	8.939	ug/L	92
23) Bromochloromethane	4.56	128	1766	4.327	ug/L	97
27) 1,2-Dichloroethane	5.41	62	6002	4.445	ug/L	96
29) Cyclohexane	5.00	56	7199	4.531	ug/L	95
30) 1,1,1-Trichloroethane	4.92	97	6022	4.482	ug/L	98
31) Carbon tetrachloride	5.13	117	5735	4.744	ug/L	96
33) Benzene	5.39	78	14945	4.533	ug/L	100
34) Trichloroethene	6.19	95	3718	4.504	ug/L	99
35) Methylcyclohexane	6.42	83	6525	4.571	ug/L	97
37) 1,2-Dichloropropane	6.44	63	4493	4.612	ug/L #	93
38) Bromodichloromethane	6.76	83	5498	4.541	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	6767	4.511	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	14765	9.430	ug/L	95
42) Toluene	7.64	91	15469	4.480	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.88	75	6167	4.346	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	3699	4.597	ug/L	94
46) Tetrachloroethene	8.23	164	2823	4.428	ug/L	92
48) 2-Hexanone	8.37	43	11022	9.077	ug/L	97
49) Dibromochloromethane	8.48	129	4494	4.713	ug/L	95
50) 1,2-Dibromoethane	8.59	107	3796	4.420	ug/L #	97
51) Chlorobenzene	9.12	112	9596	4.533	ug/L	99
52) Ethylbenzene	9.25	91	17363	4.445	ug/L	99
53) m,p-Xylene	9.38	106	6277	4.448	ug/L	97
54) o-xylene	9.78	106	6148	4.371	ug/L	92
55) Styrene	9.79	104	10429	4.356	ug/L	94
56) Isopropylbenzene	10.17	105	16147	4.335	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	6529	4.563	ug/L	95
59) 1,2,3-Trichloropropane	10.49	75	5206	4.522	ug/L	99
61) Bromoform	9.96	173	3131	4.597	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	6648	4.340	ug/L	90
63) 1,4-Dichlorobenzene	11.51	146	7408	4.742	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	7061	4.481	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.66	75	1628	4.959	ug/L	87
67) 1,3,5-Trichlorobenzene	12.89	180	5311	4.482	ug/L	93
68) 1,2,4-trichlorobenzene	13.51	180	4265	4.055	ug/L	98
69) Naphthalene	13.75	128	13837	4.073	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	4623	4.205	ug/L	96

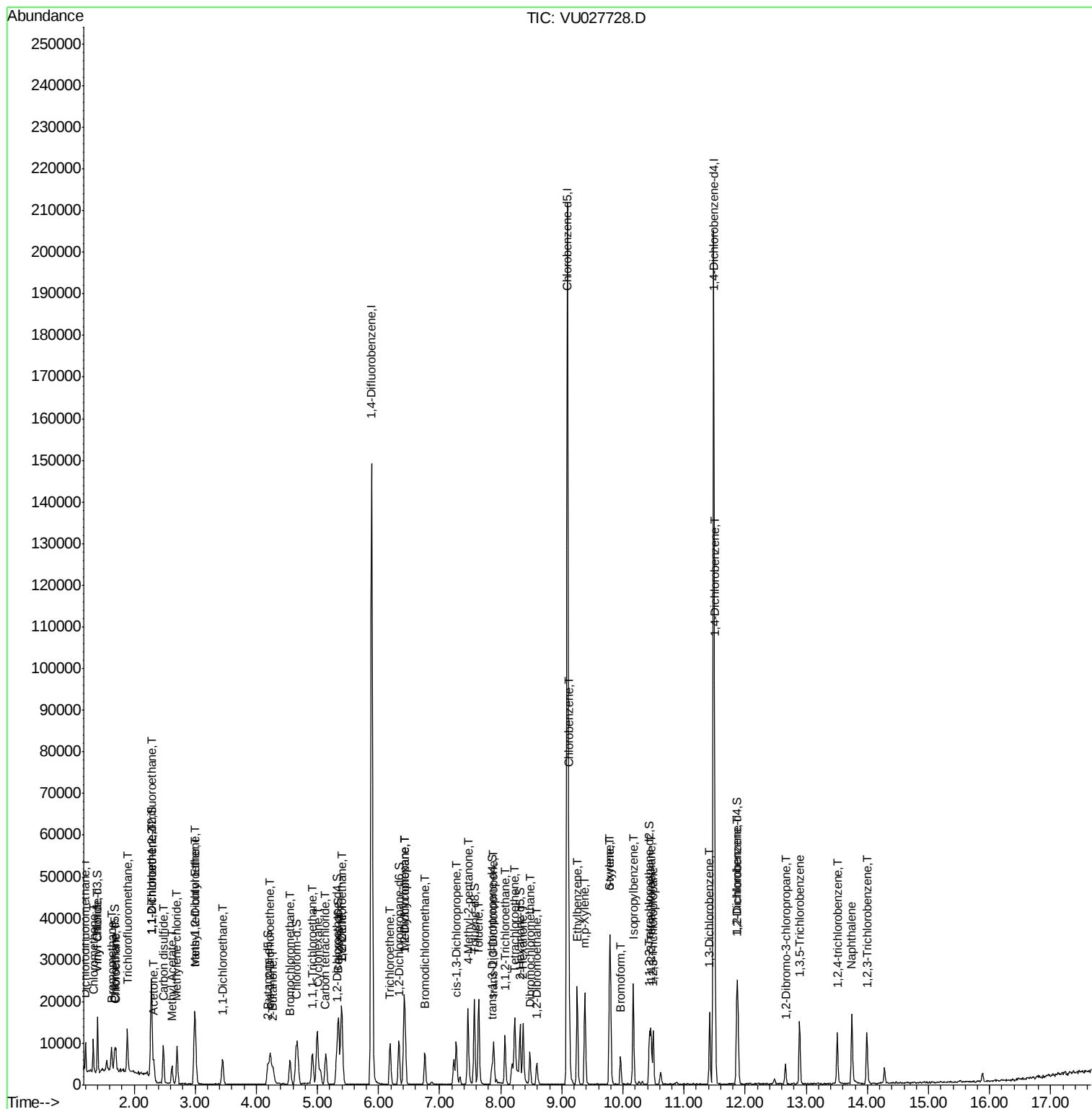
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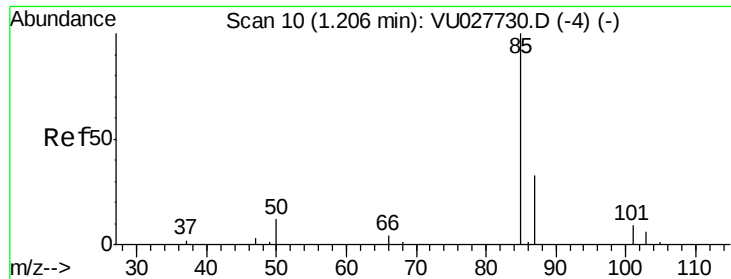
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#2

Dichlorodifluoromethane

Concen: 4.489 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027728.D

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Instrument :

MSVOA_U

ClientSampleId :

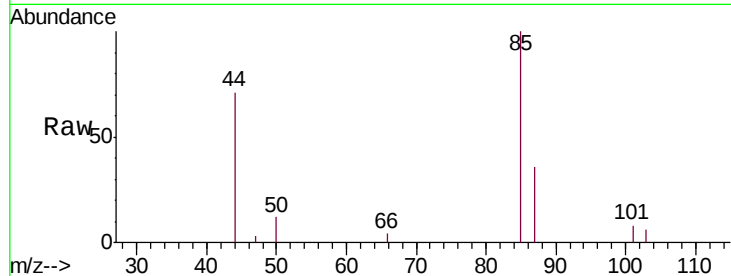
VSTD00552

Tgt Ion: 85 Resp: 4373

Ion Ratio Lower Upper

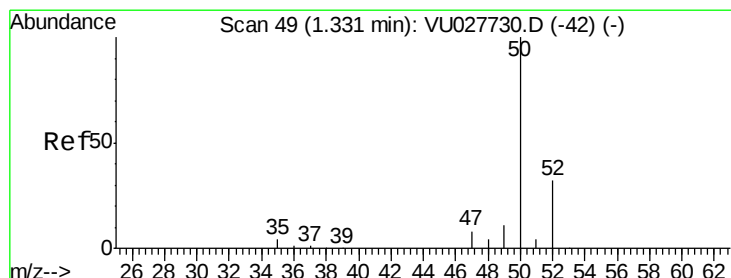
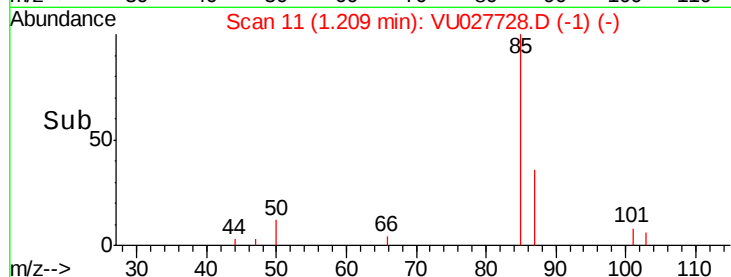
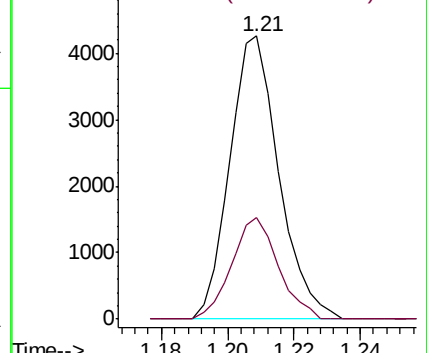
85 100

87 34.1 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: 4.642 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027728.D

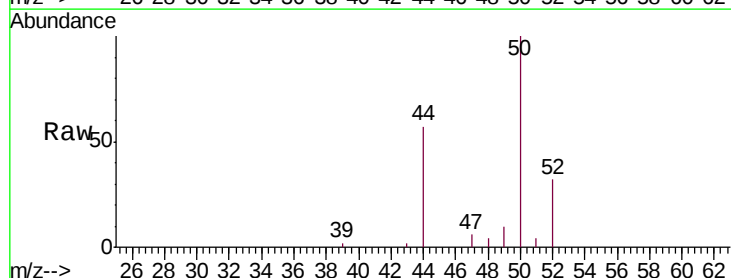
Acq: 22 Oct 2018 08:41

Tgt Ion: 50 Resp: 5297

Ion Ratio Lower Upper

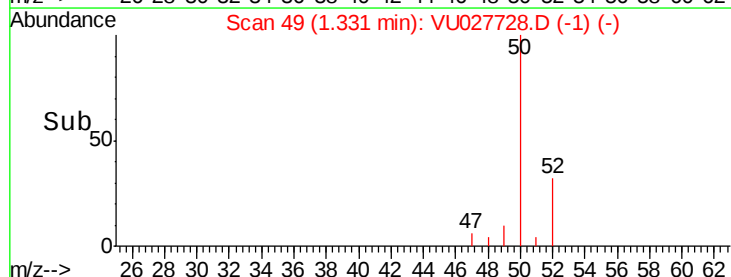
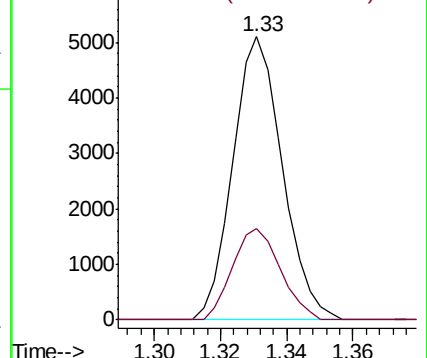
50 100

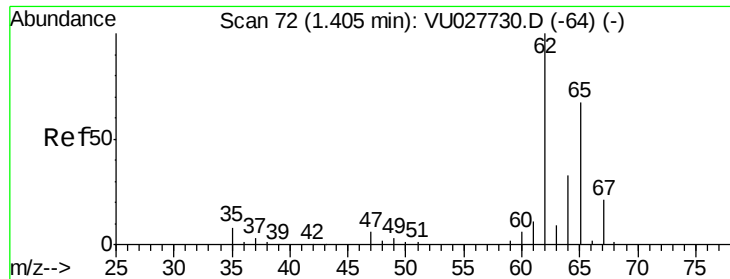
52 32.2 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 4.529 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

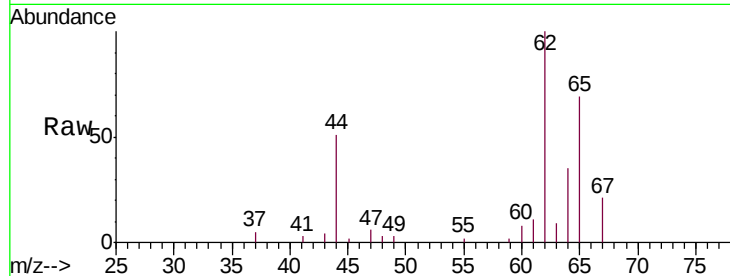
VSTD00552

Tgt Ion: 62 Resp: 4902

Ion Ratio Lower Upper

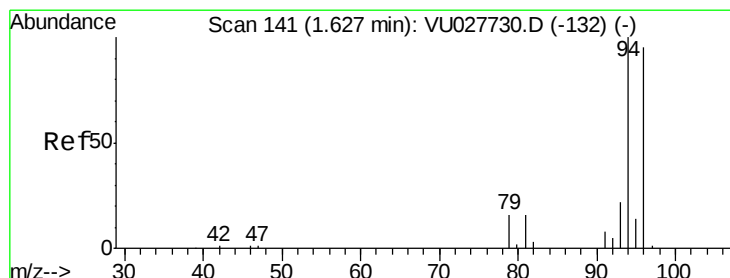
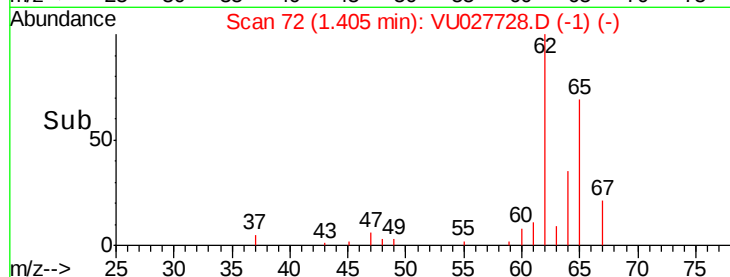
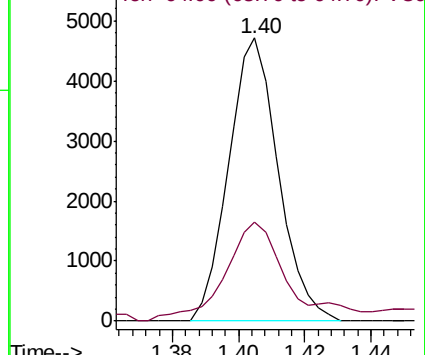
62 100

64 35.2 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: 4.362 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU027728.D

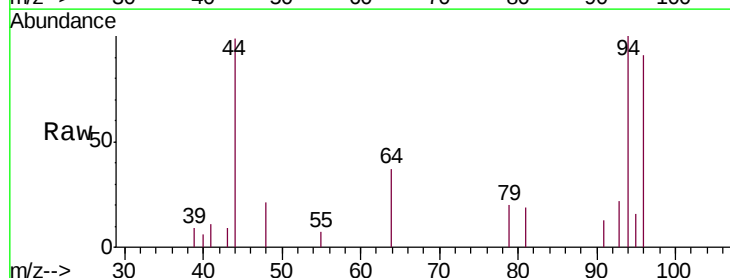
Acq: 22 Oct 2018 08:41

Tgt Ion: 94 Resp: 2381

Ion Ratio Lower Upper

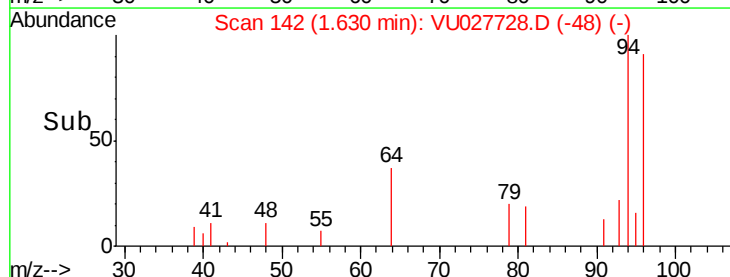
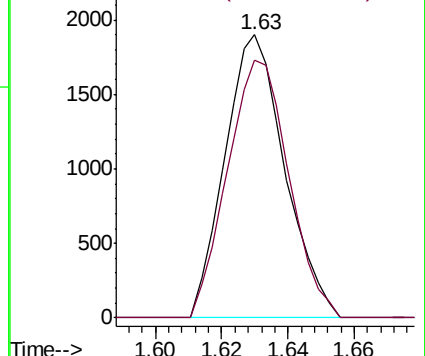
94 100

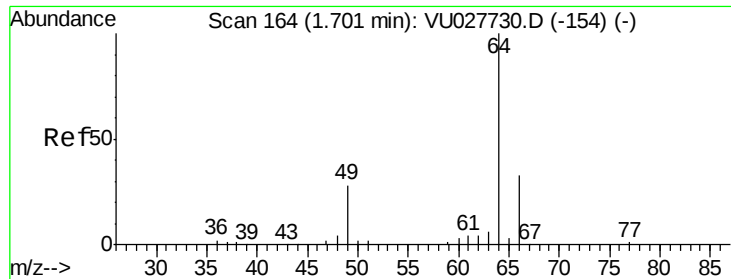
96 91.0 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.377 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

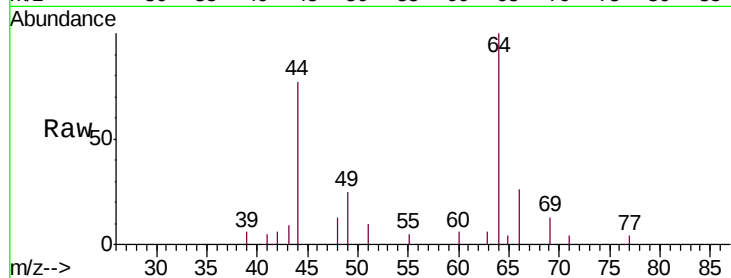
VSTD00552

Tgt Ion: 64 Resp: 2557

Ion Ratio Lower Upper

64 100

66 25.6 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) (-)

1.70

2500

2000

1500

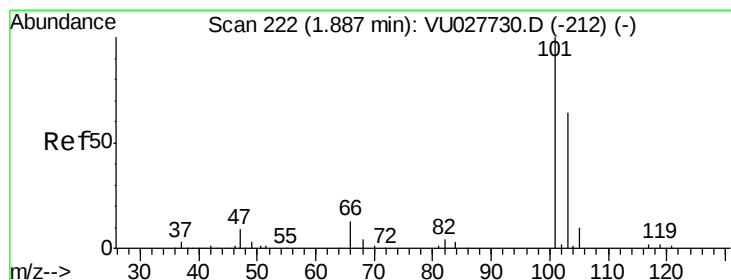
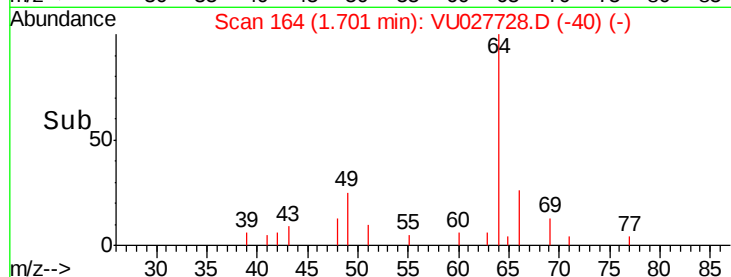
1000

500

0

1.66 1.68 1.70 1.72 1.74

Time-->



#9

Trichlorofluoromethane

Concen: 4.457 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027728.D

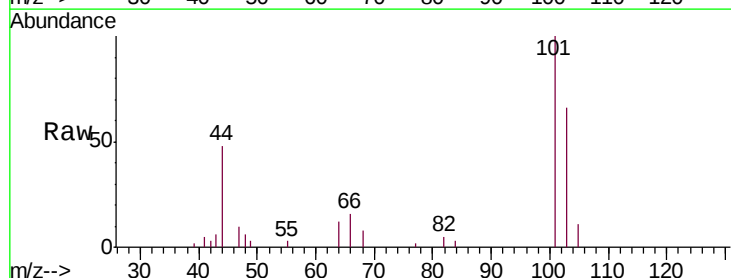
Acq: 22 Oct 2018 08:41

Tgt Ion: 101 Resp: 5813

Ion Ratio Lower Upper

101 100

103 69.3 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) (-)

1.89

5000

4000

3000

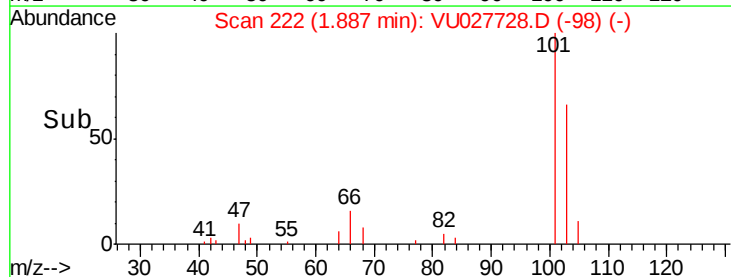
2000

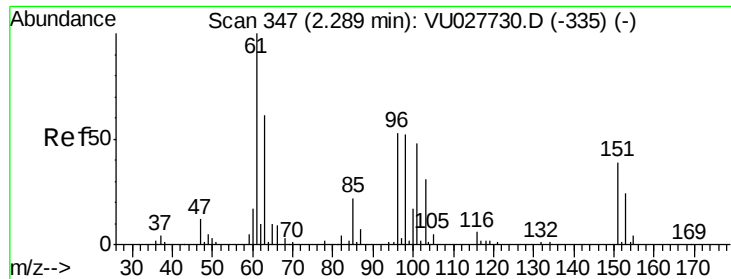
1000

0

1.85 1.90

Time-->





#10

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

Concen: 4.797 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

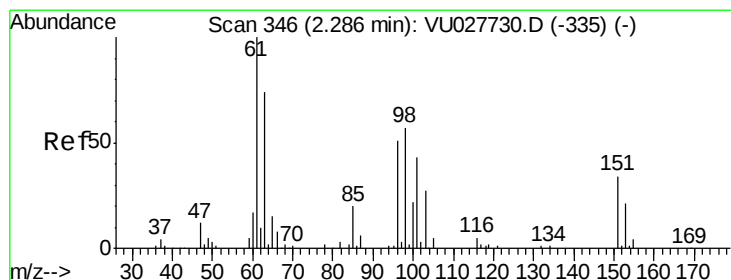
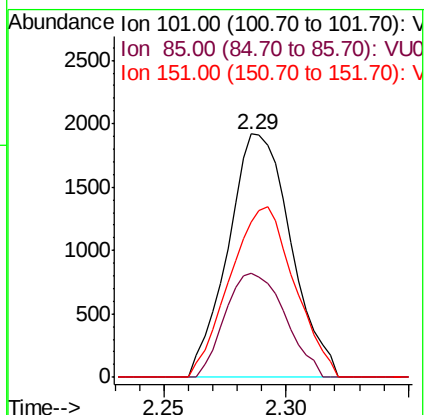
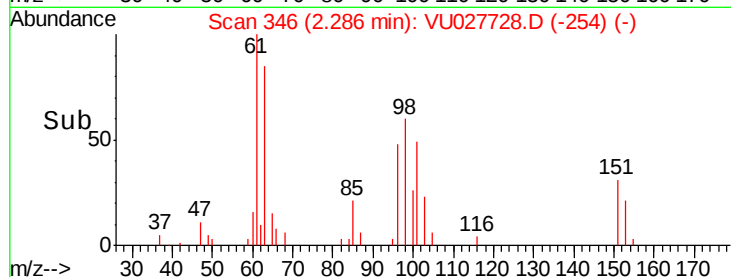
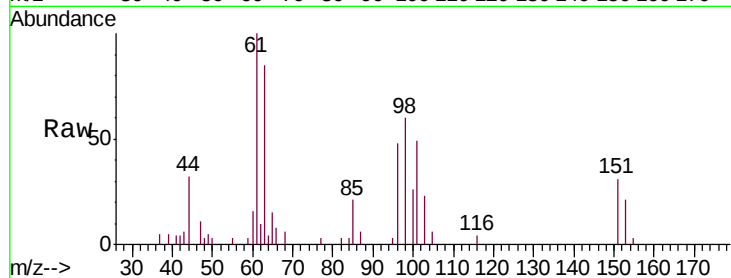
Tgt Ion:101 Resp: 3426

Ion Ratio Lower Upper

101 100

85 41.0 36.7 55.1

151 72.0 62.0 93.0



#12

1,1-Dichloroethene

Concen: 4.373 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

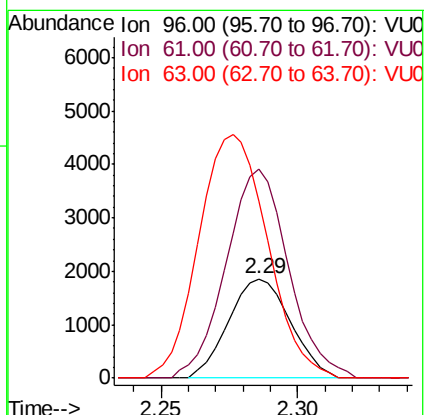
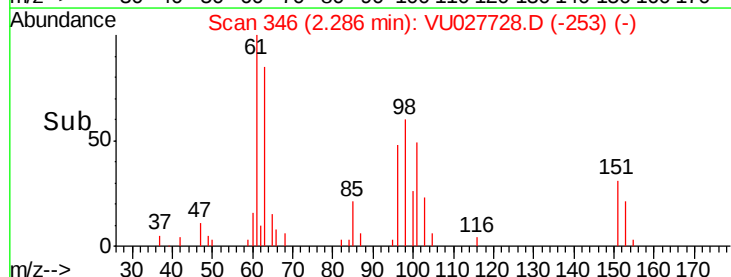
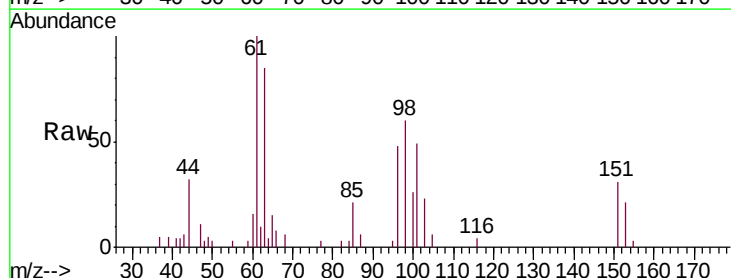
Tgt Ion: 96 Resp: 2921

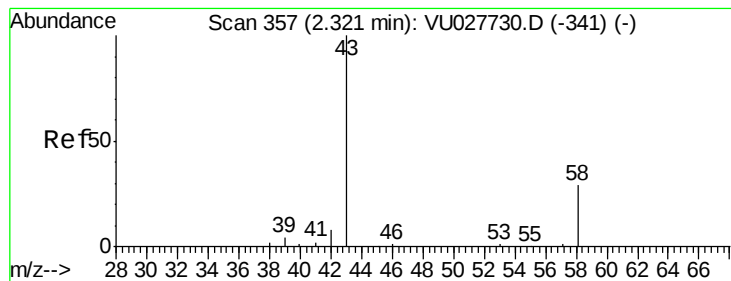
Ion Ratio Lower Upper

96 100

61 210.5 137.3 255.1

63 178.8 109.8 204.0





#13

Acetone

Concen: 10.713 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

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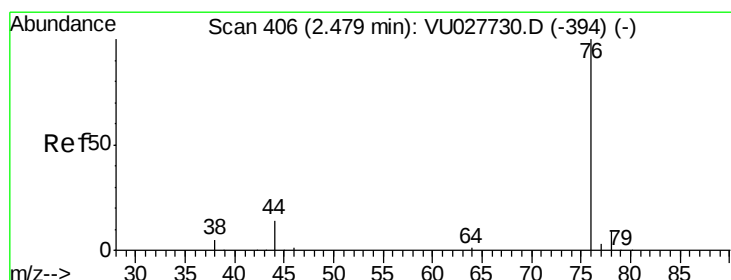
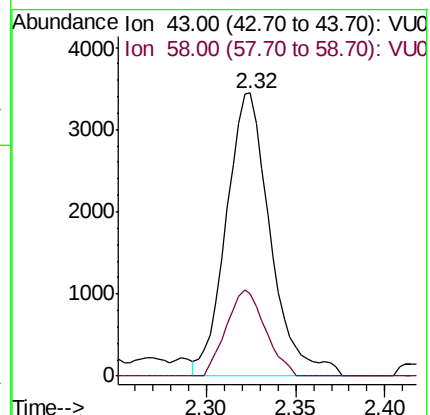
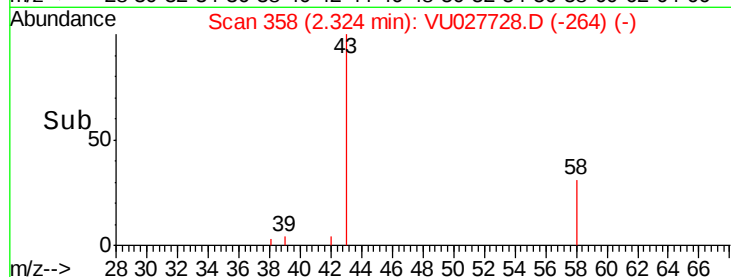
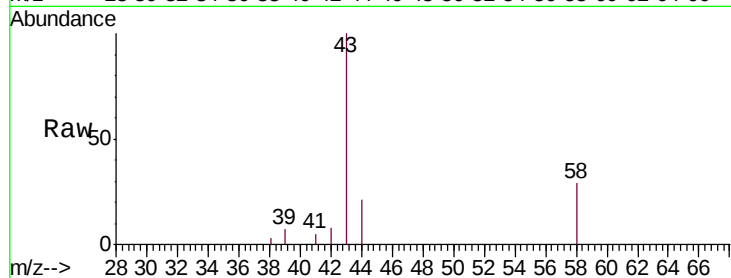
VSTD00552

Tgt Ion: 43 Resp: 5931

Ion Ratio Lower Upper

43 100

58 27.0 0.0 57.4



#14

Carbon disulfide

Concen: 4.539 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027728.D

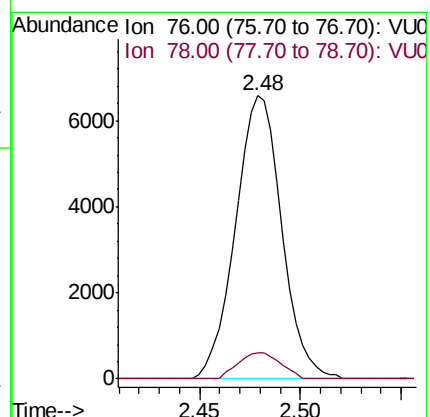
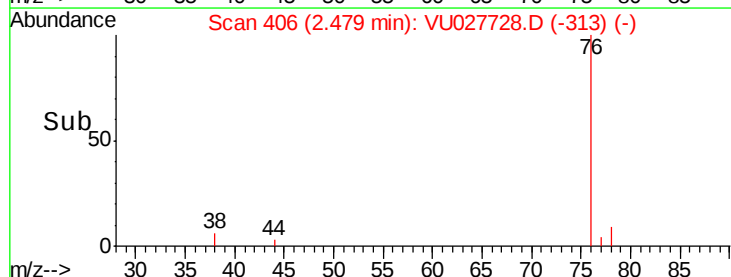
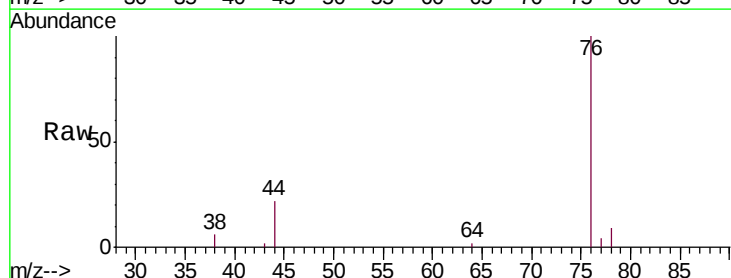
Acq: 22 Oct 2018 08:41

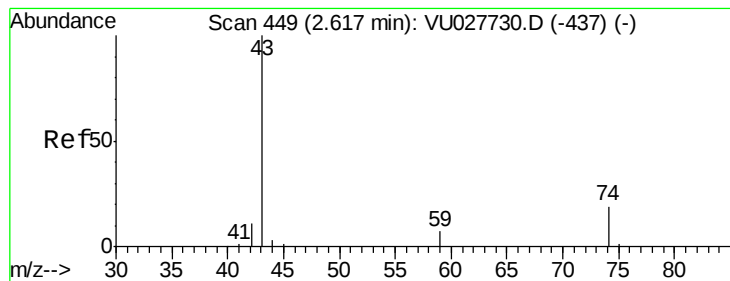
Tgt Ion: 76 Resp: 10556

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 4.795 ug/L

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

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ClientSampleId :

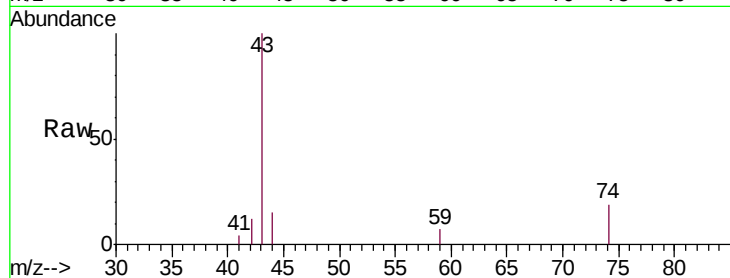
VSTD00552

Tgt Ion: 43 Resp: 5587

Ion Ratio Lower Upper

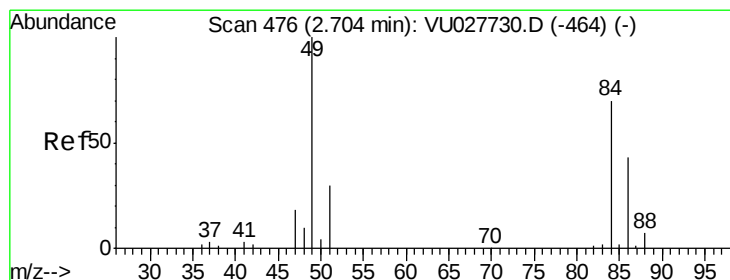
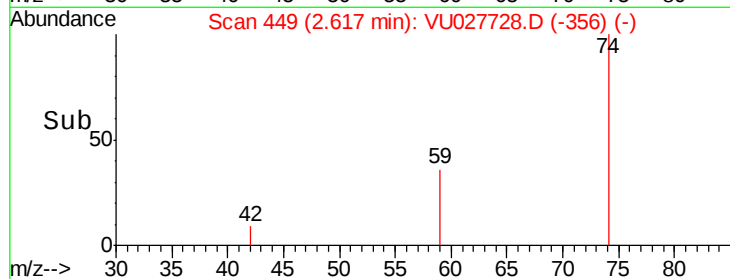
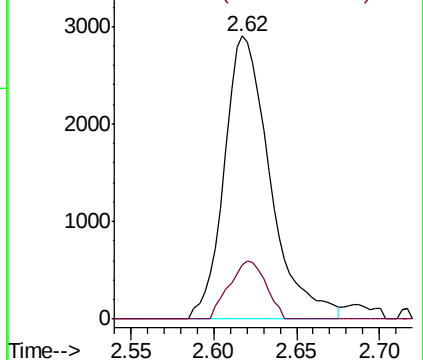
43 100

74 16.3 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 4.621 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

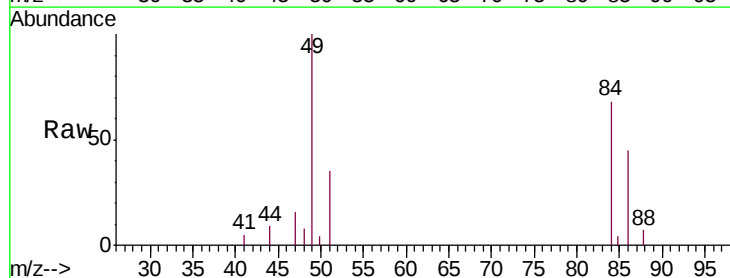
Tgt Ion: 84 Resp: 3813

Ion Ratio Lower Upper

84 100

86 66.1 42.8 79.6

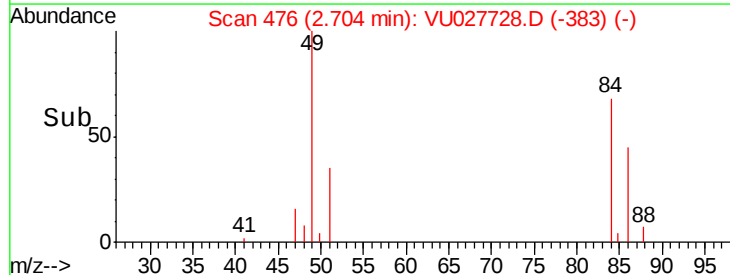
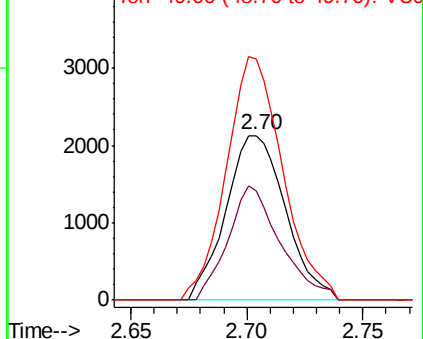
49 146.4 100.0 185.6

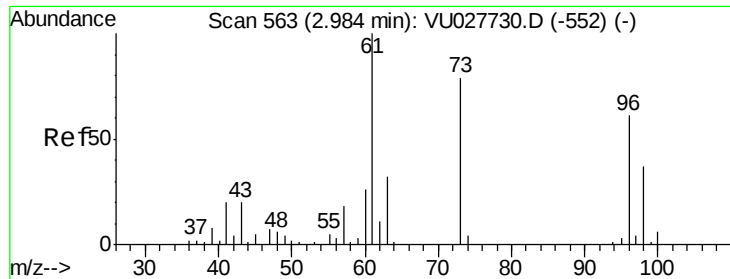


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 4.565 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

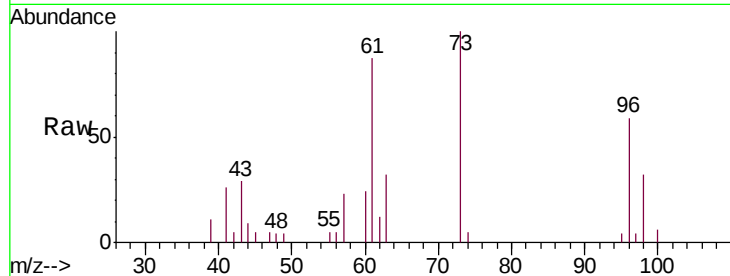
Tgt Ion: 96 Resp: 3373

Ion Ratio Lower Upper

96 100

61 147.7 114.7 212.9

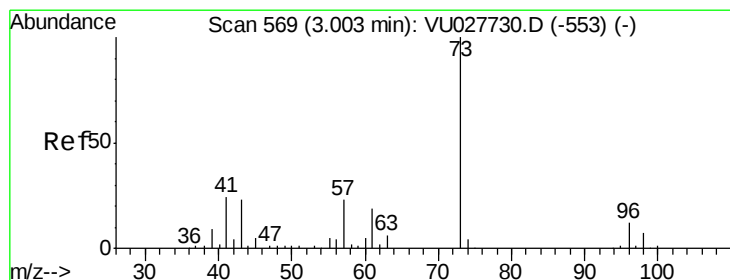
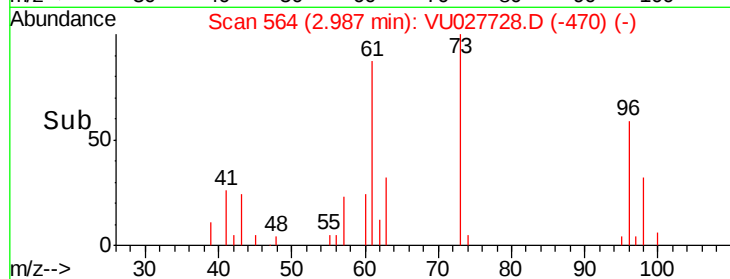
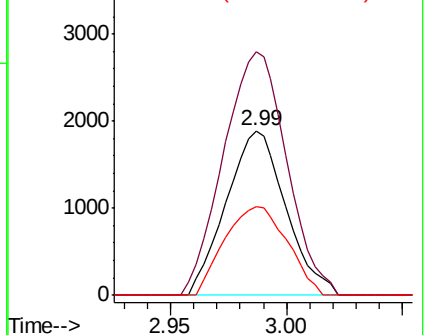
98 53.8 42.2 78.4



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: 4.550 ug/L

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

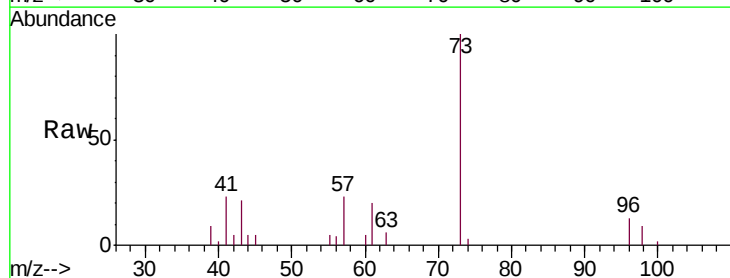
Tgt Ion: 73 Resp: 12567

Ion Ratio Lower Upper

73 100

43 12.2 18.3 27.5#

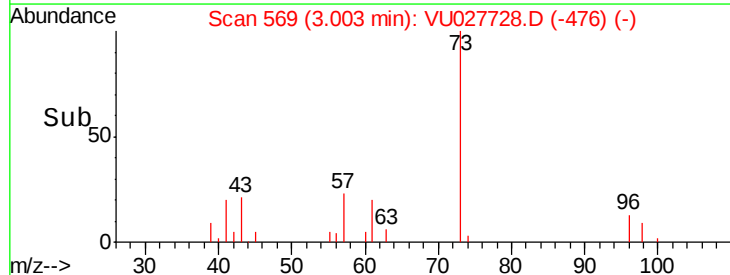
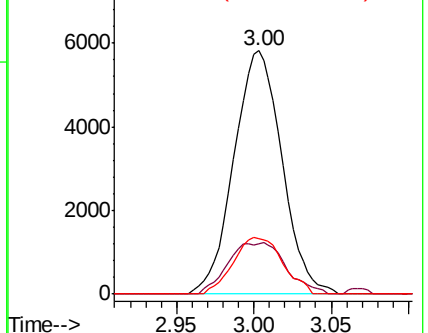
57 24.0 18.6 28.0

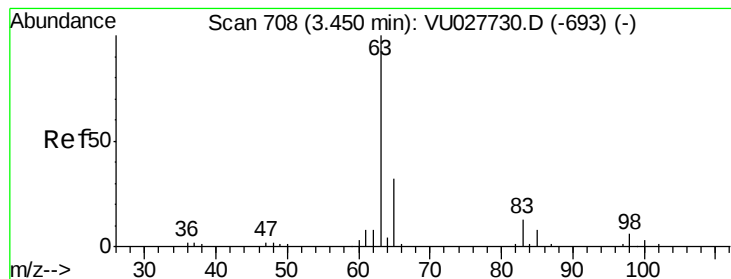


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 4.423 ug/L

RT: 3.45 min Scan# 708

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

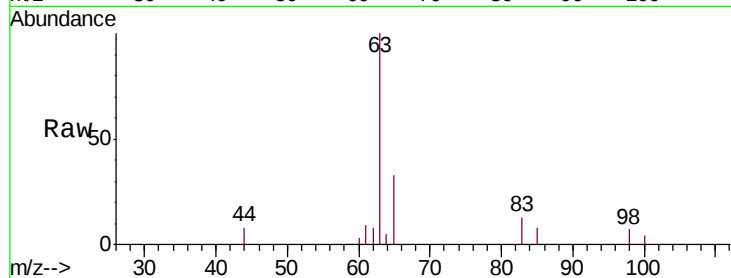
Tgt Ion: 63 Resp: 7091

Ion Ratio Lower Upper

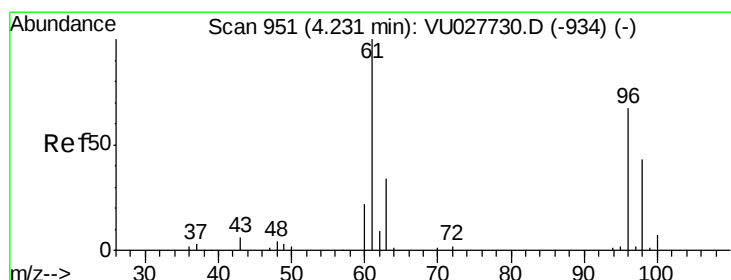
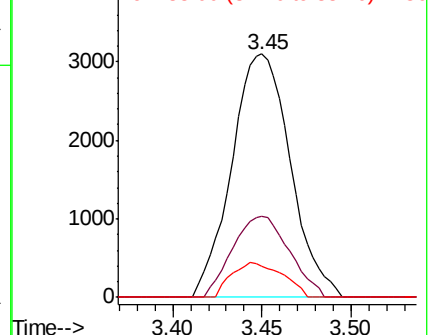
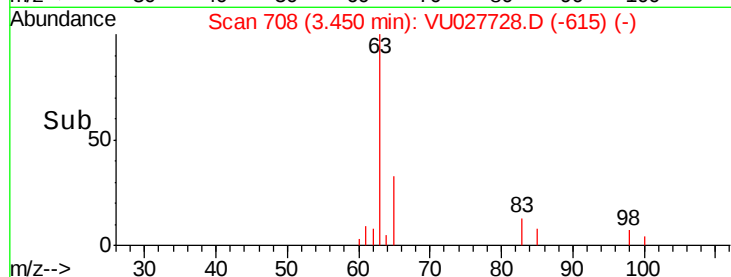
63 100

65 33.4 22.2 41.2

83 12.8 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU027728.D (-615) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.658 ug/L

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

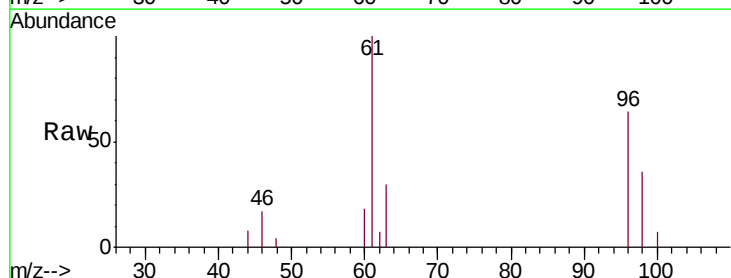
Tgt Ion: 96 Resp: 4071

Ion Ratio Lower Upper

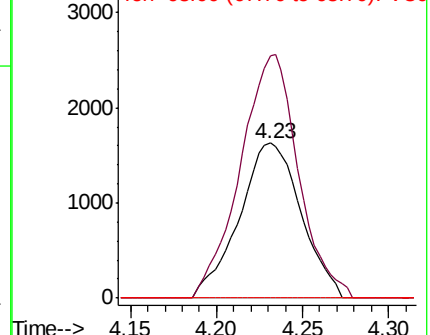
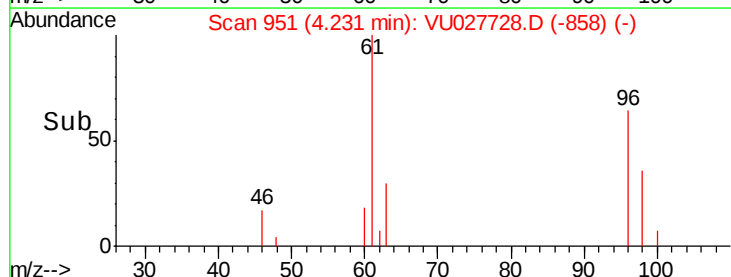
96 100

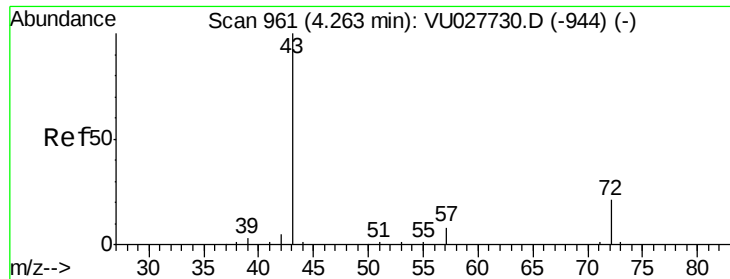
61 156.4 104.2 193.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU027728.D (-858) (-)

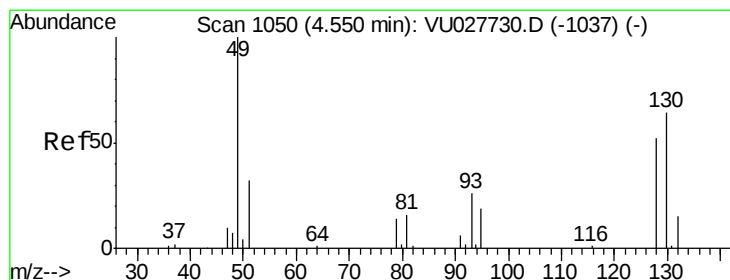
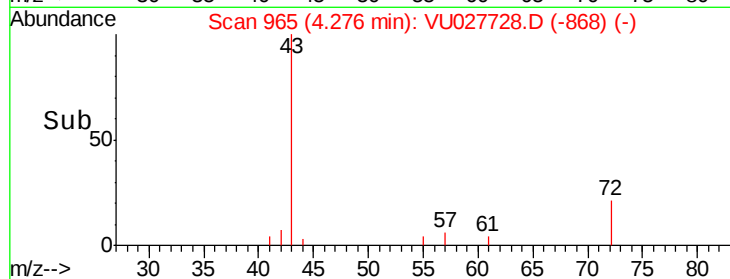
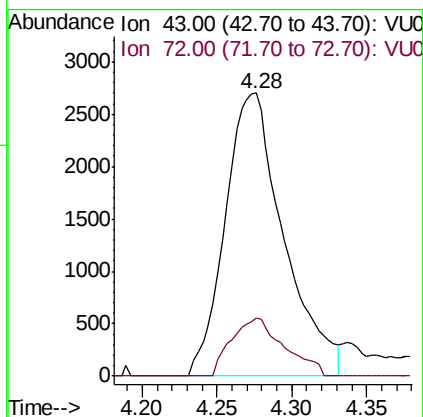
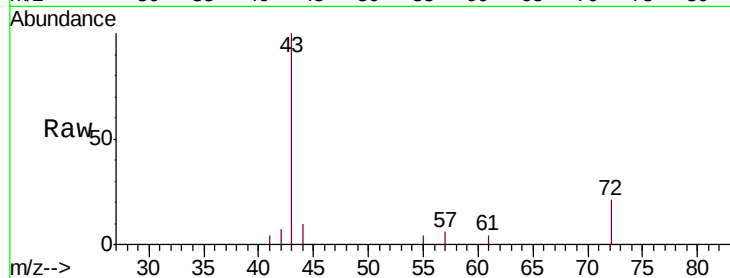




#22
2-Butanone
Concen: 8.939 ug/L
RT: 4.28 min Scan# 965
Delta R.T. 0.01 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

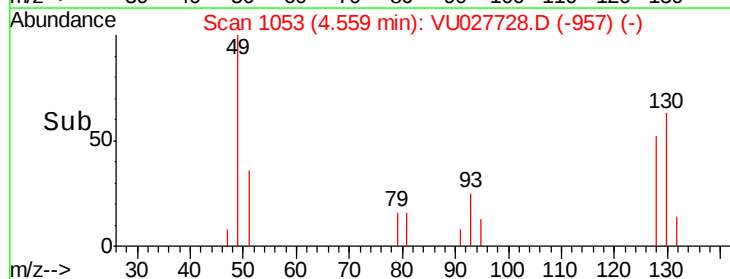
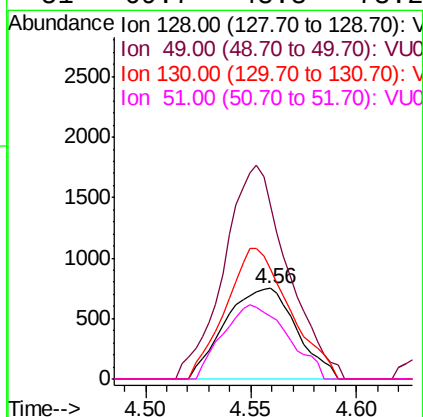
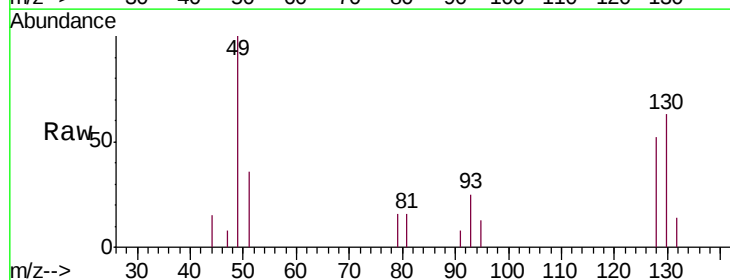
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

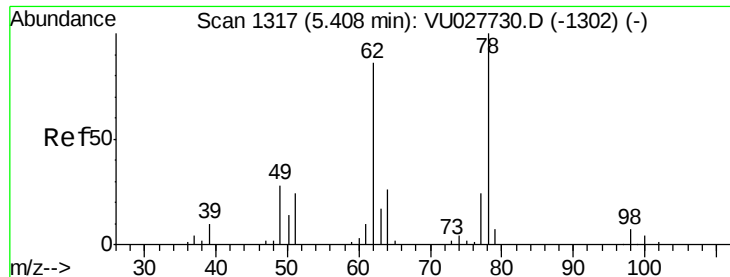
Tgt Ion: 43 Resp: 7364
Ion Ratio Lower Upper
43 100
72 18.6 11.2 33.5



#23
Bromochloromethane
Concen: 4.327 ug/L
RT: 4.56 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion: 128 Resp: 1766
Ion Ratio Lower Upper
128 100
49 192.1 136.2 253.0
130 121.4 86.0 159.6
51 69.7 48.8 73.2

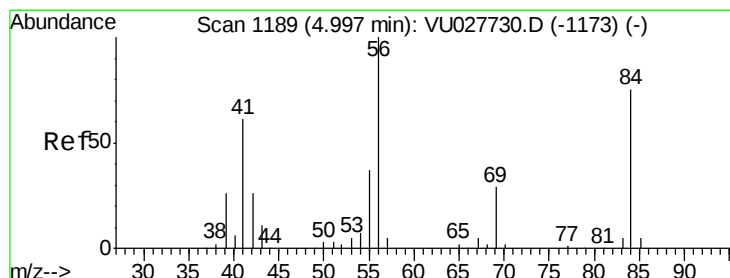
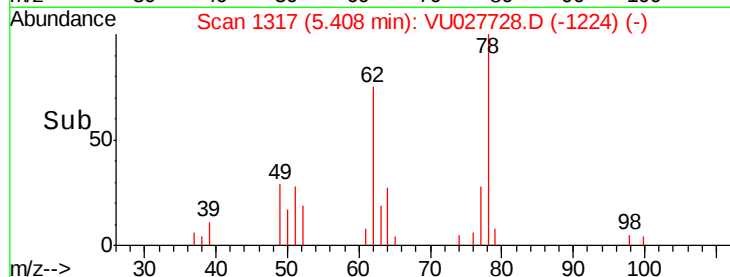
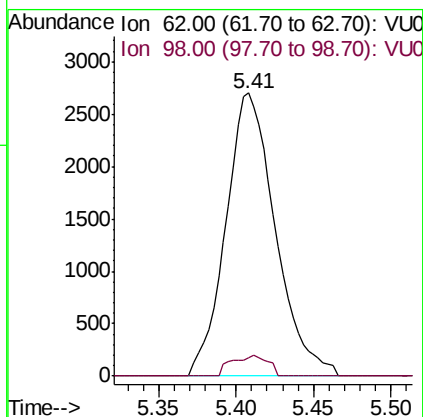
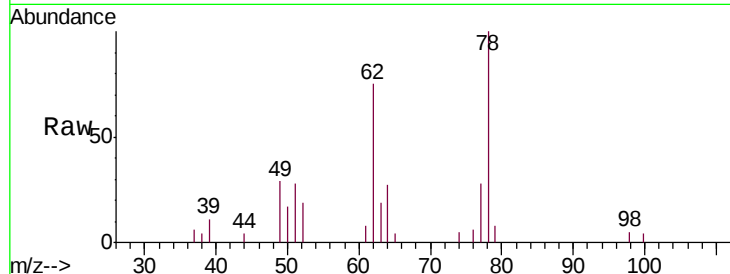




#27
 1,2-Dichloroethane
 Concen: 4.445 ug/L
 RT: 5.41 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VU027728.D
 Acq: 22 Oct 2018 08:41

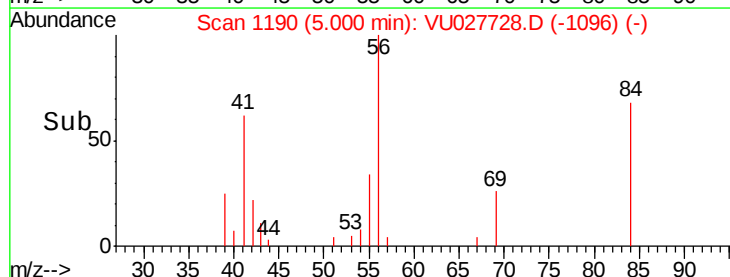
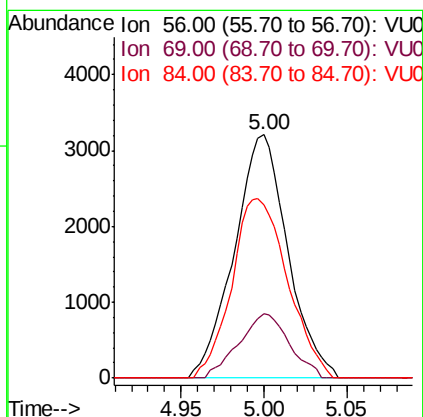
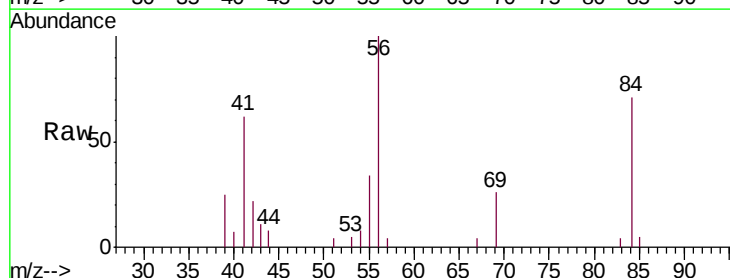
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

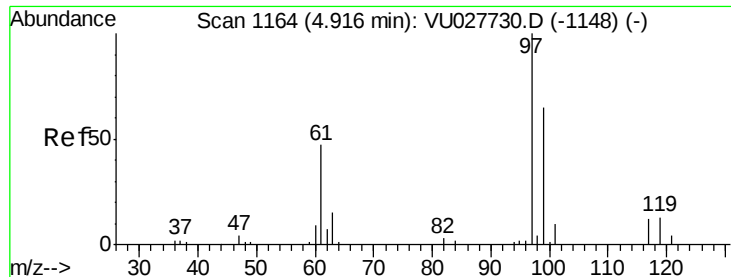
Tgt Ion: 62 Resp: 6002
 Ion Ratio Lower Upper
 62 100
 98 6.5 6.3 9.5



#29
 Cyclohexane
 Concen: 4.531 ug/L
 RT: 5.00 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VU027728.D
 Acq: 22 Oct 2018 08:41

Tgt Ion: 56 Resp: 7199
 Ion Ratio Lower Upper
 56 100
 69 24.9 22.5 33.7
 84 77.0 58.5 87.7

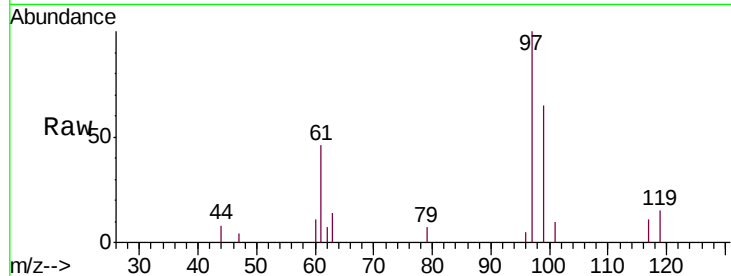




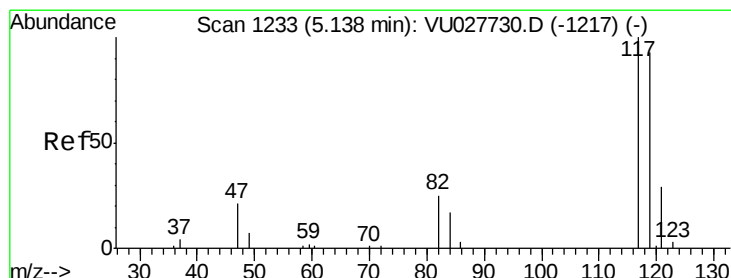
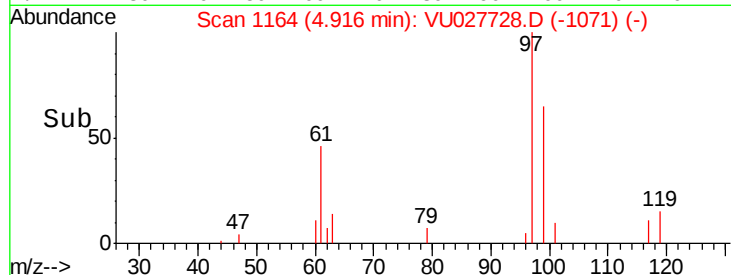
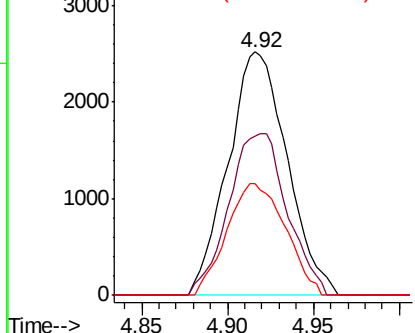
#30
 1,1,1-Trichloroethane
 Concen: 4.482 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027728.D
 Acq: 22 Oct 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

Tgt Ion: 97 Resp: 6022
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.7 77.5
 61 45.4 37.5 56.3

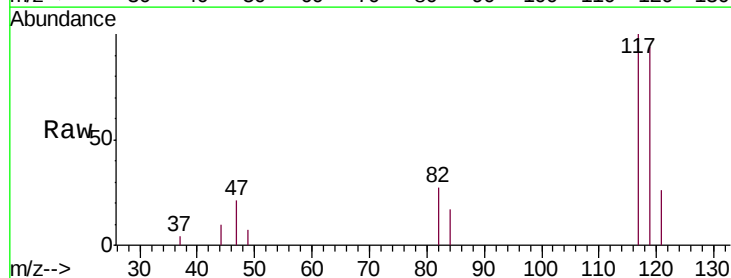


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

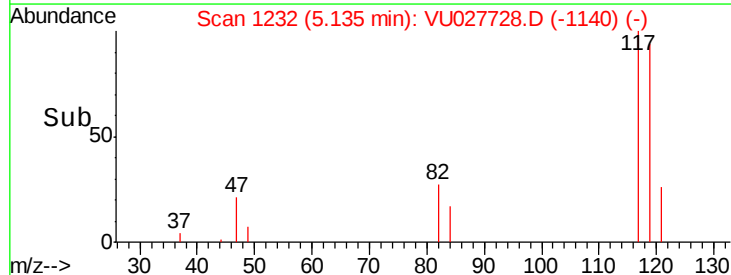
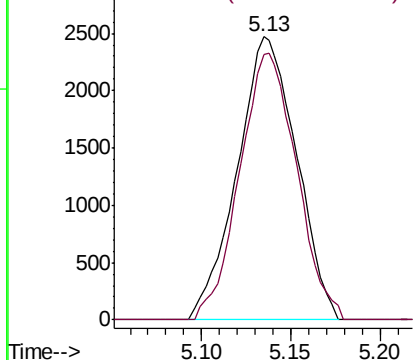


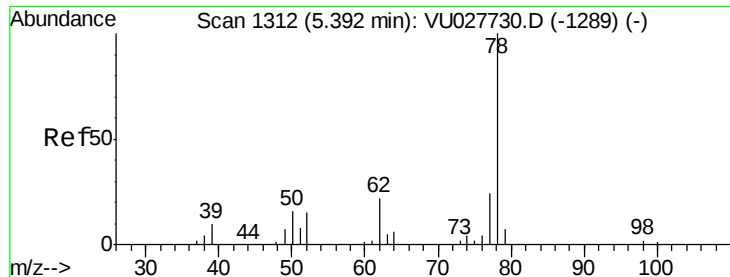
#31
 Carbon tetrachloride
 Concen: 4.744 ug/L
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027728.D
 Acq: 22 Oct 2018 08:41

Tgt Ion: 117 Resp: 5735
 Ion Ratio Lower Upper
 117 100
 119 90.2 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 4.533 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

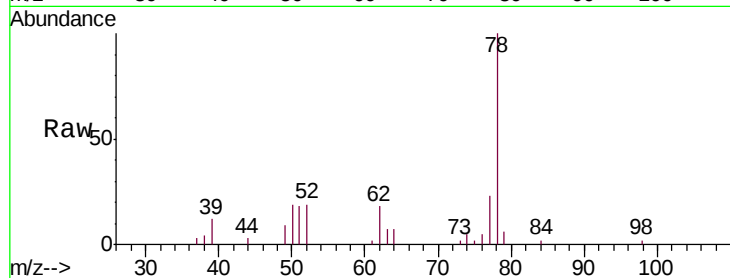
Instrument :

MSVOA_U

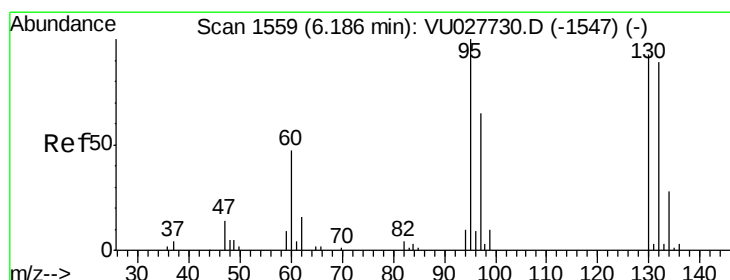
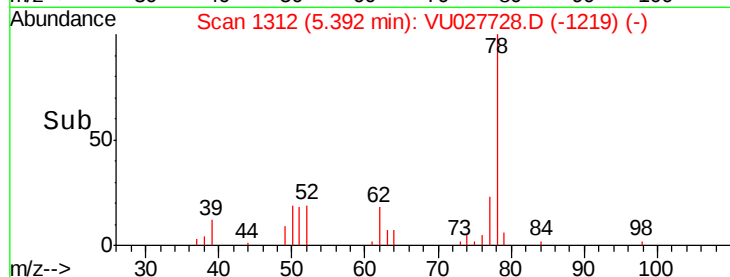
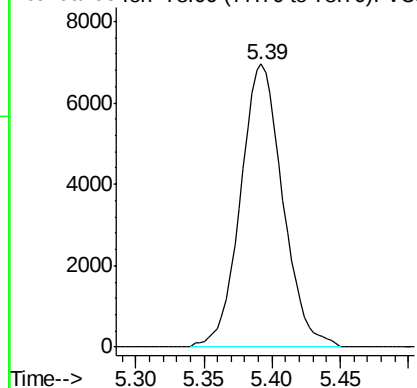
ClientSampleId :

VSTD00552

Tgt Ion: 78 Resp: 14945



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 4.504 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Tgt Ion: 95 Resp: 3718

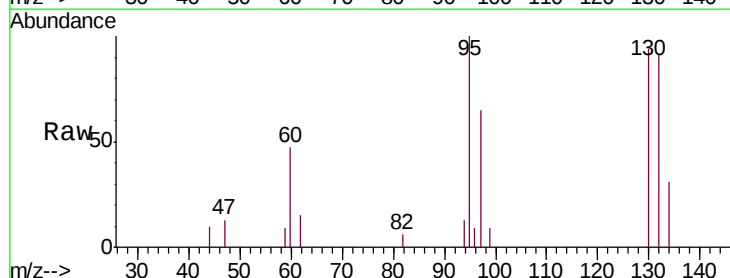
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.8	85.2
132	90.6	62.1	115.3
130	93.8	65.0	120.6

95 100

97 65.0 45.8 85.2

132 90.6 62.1 115.3

130 93.8 65.0 120.6

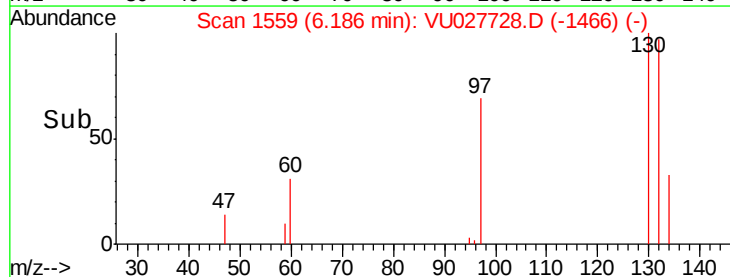
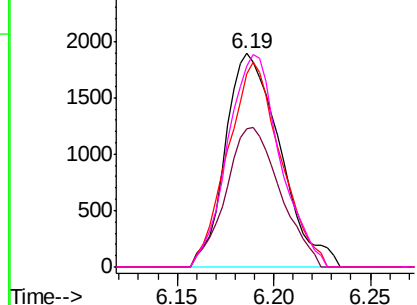


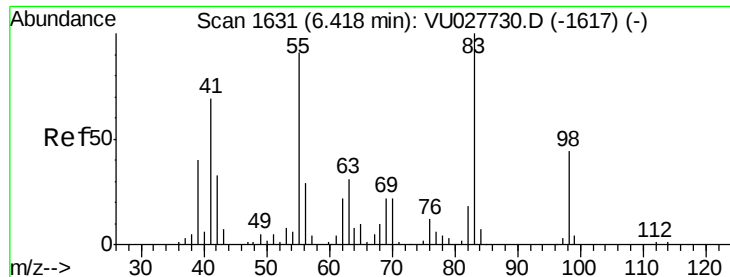
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

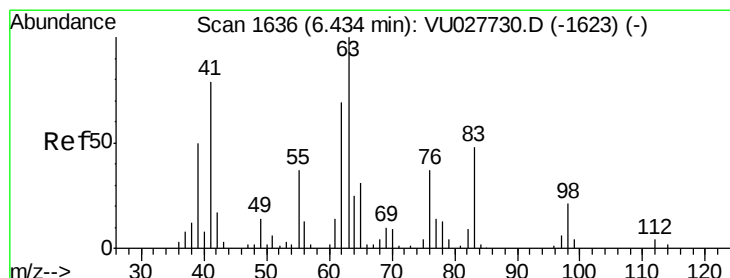
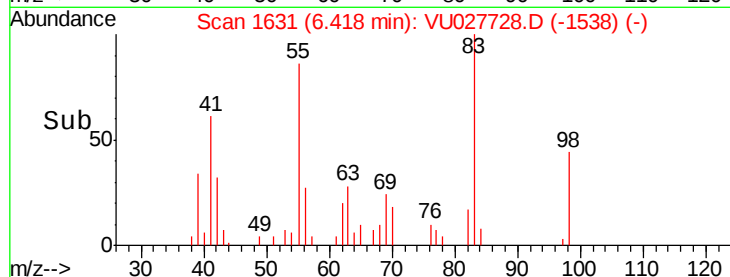
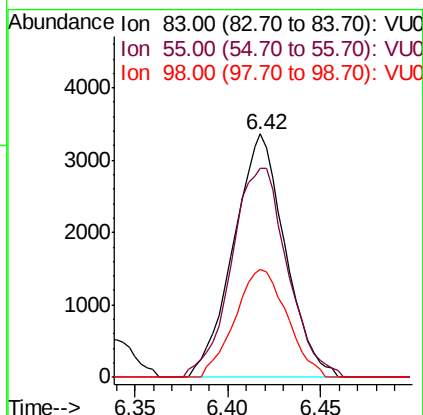
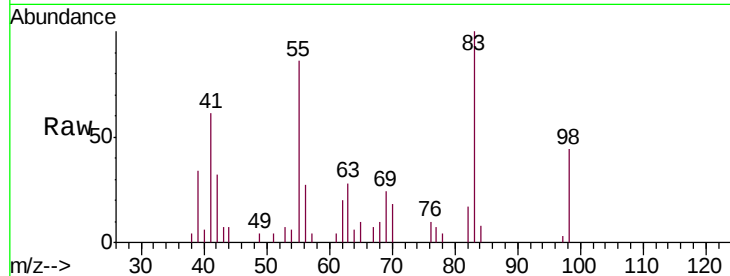




#35
Methylcyclohexane
Concen: 4.571 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

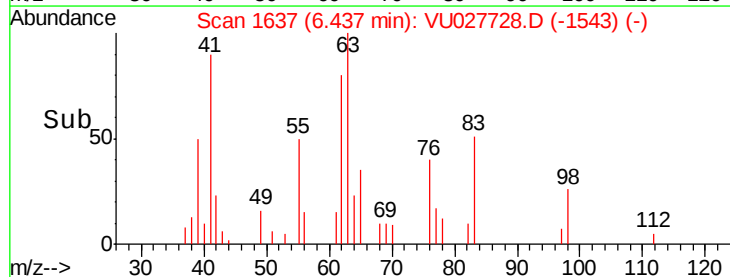
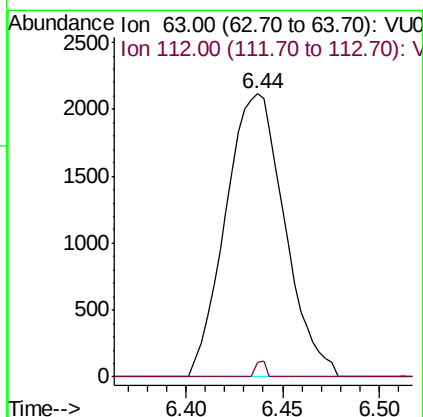
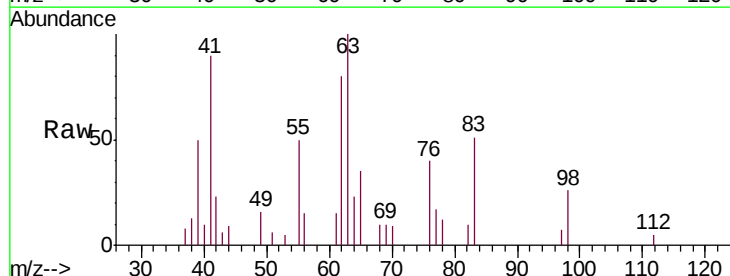
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

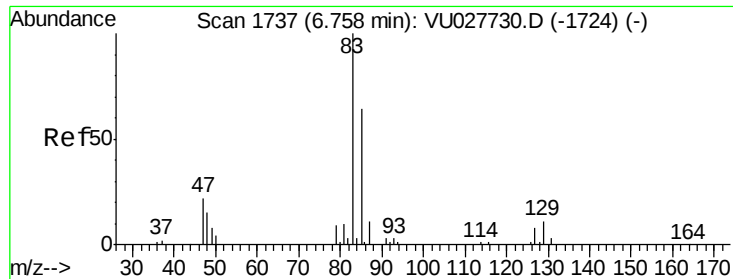
Tgt Ion: 83 Resp: 6525
Ion Ratio Lower Upper
83 100
55 93.2 71.9 107.9
98 44.7 34.6 52.0



#37
1,2-Dichloropropane
Concen: 4.612 ug/L
RT: 6.44 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion: 63 Resp: 4493
Ion Ratio Lower Upper
63 100
112 1.0 2.6 3.8#

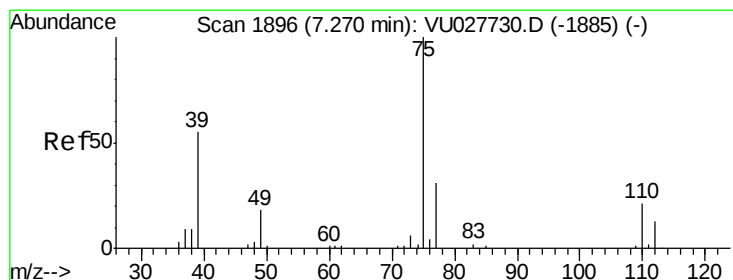
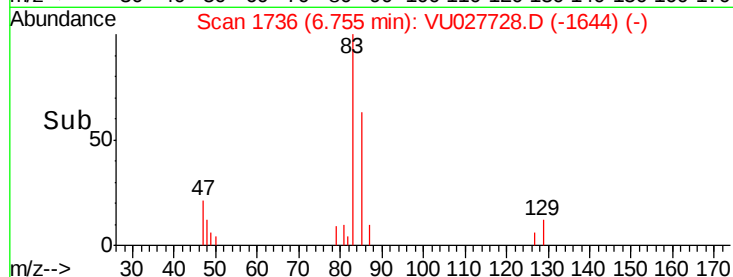
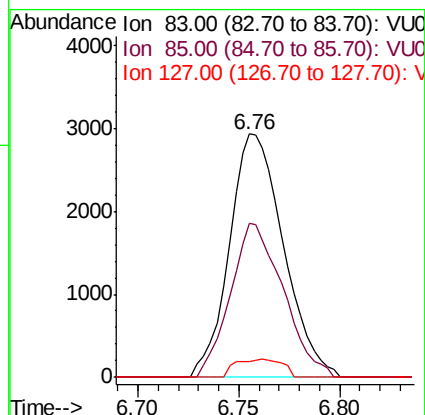
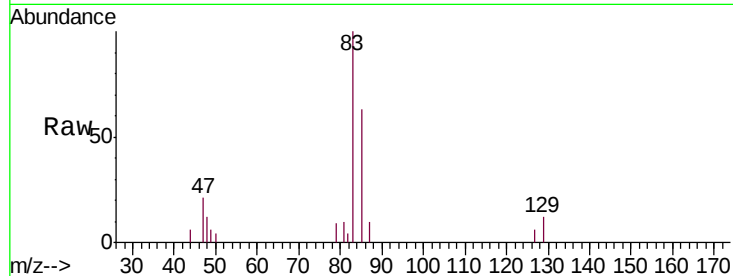




#38
Bromodichloromethane
Concen: 4.541 ug/L
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

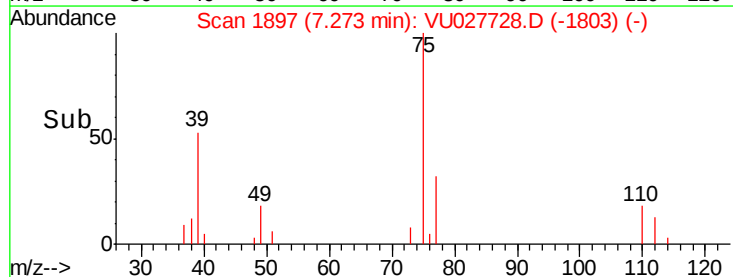
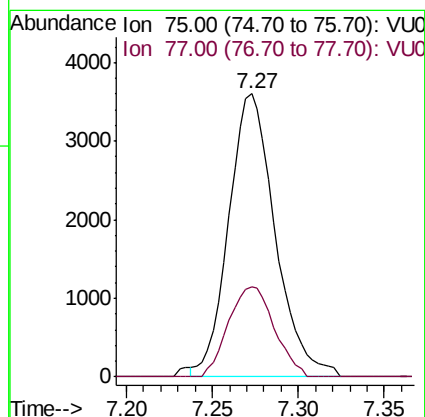
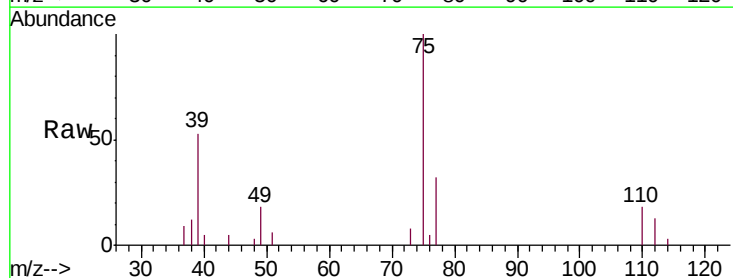
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

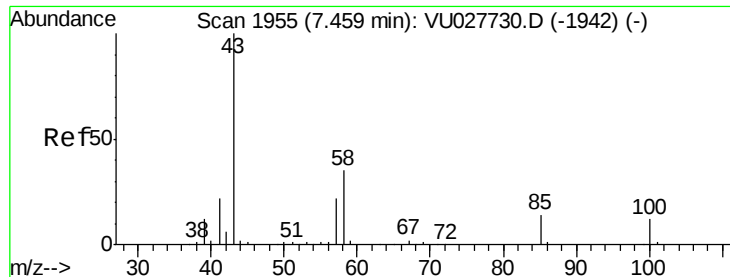
Tgt Ion: 83 Resp: 5498
Ion Ratio Lower Upper
83 100
85 63.1 44.5 82.7
127 6.4 6.2 9.2



#39
cis-1,3-Dichloropropene
Concen: 4.511 ug/L
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion: 75 Resp: 6767
Ion Ratio Lower Upper
75 100
77 32.0 22.5 41.7

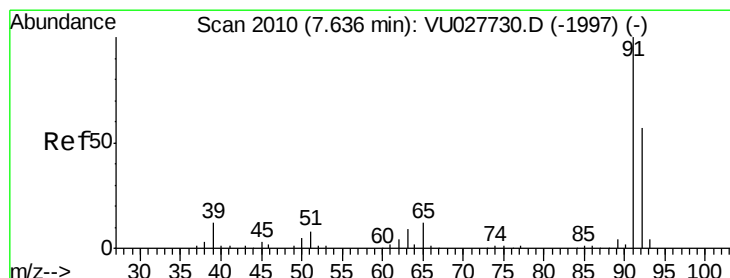
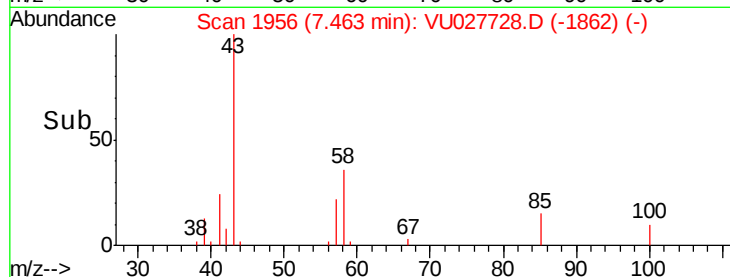
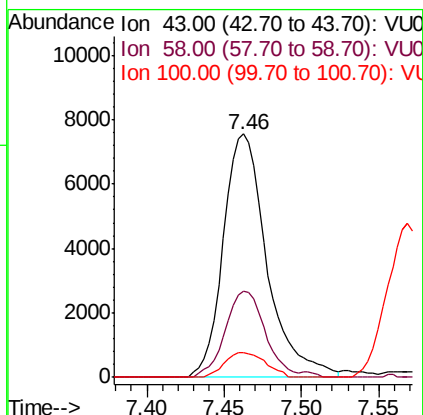
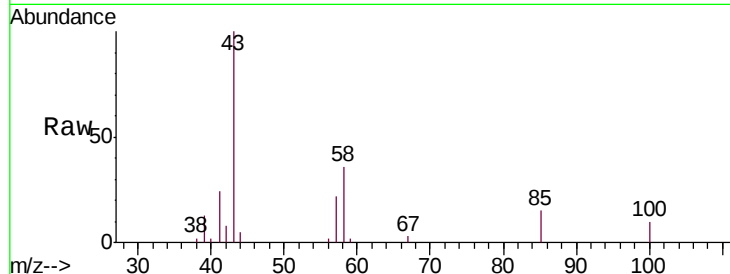




#40
4-Methyl-2-pentanone
Concen: 9.430 ug/L
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

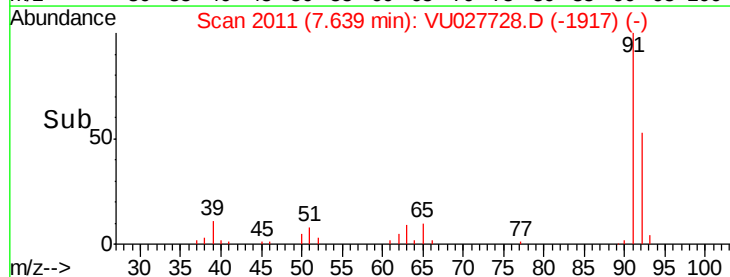
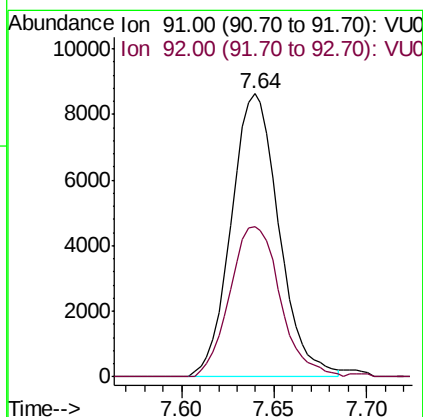
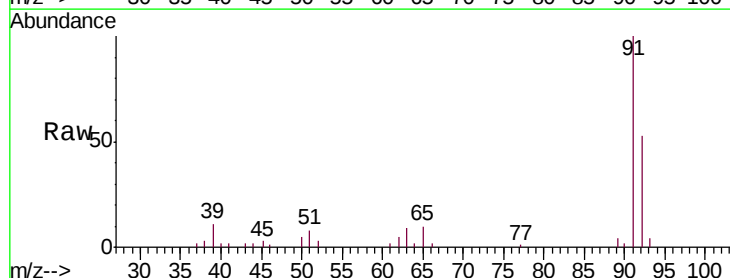
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

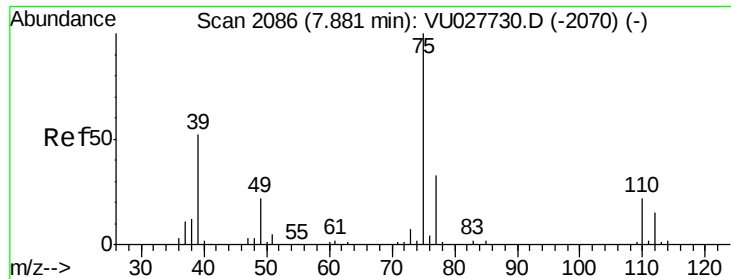
Tgt Ion: 43 Resp: 14765
Ion Ratio Lower Upper
43 100
58 32.3 28.3 42.5
100 9.7 9.1 13.7



#42
Toluene
Concen: 4.480 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion: 91 Resp: 15469
Ion Ratio Lower Upper
91 100
92 53.1 39.9 74.1





#44

trans-1,3-Dichloropropene

Concen: 4.346 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

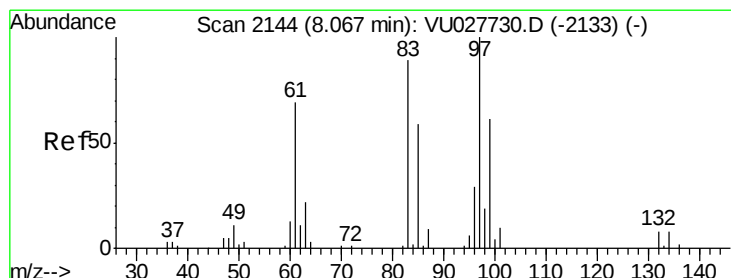
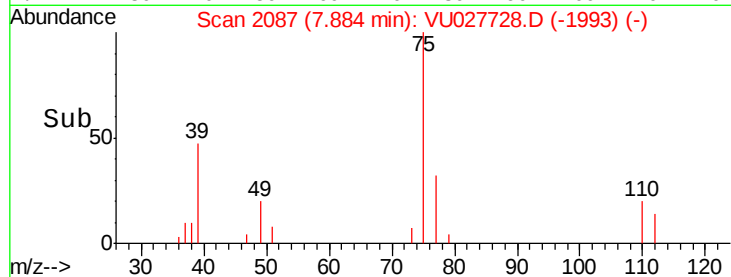
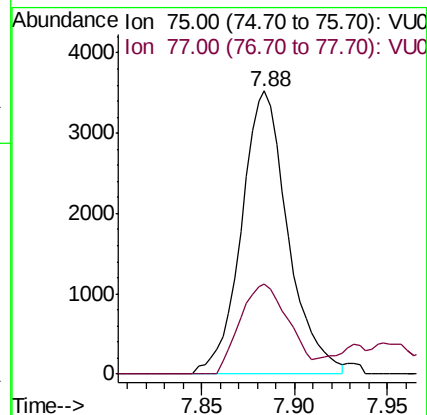
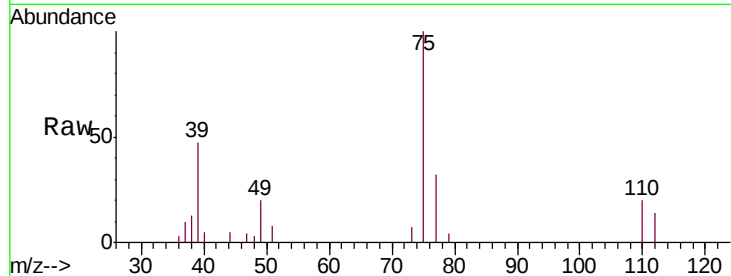
VSTD00552

Tgt Ion: 75 Resp: 6167

Ion Ratio Lower Upper

75 100

77 32.0 22.8 42.4



#45

1,1,2-Trichloroethane

Concen: 4.597 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Tgt Ion: 97 Resp: 3699

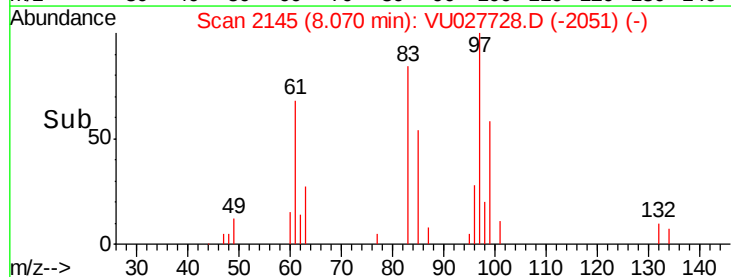
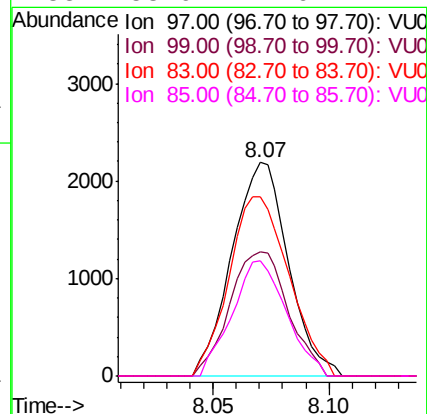
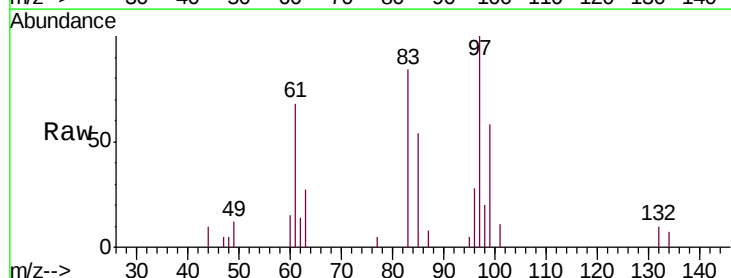
Ion Ratio Lower Upper

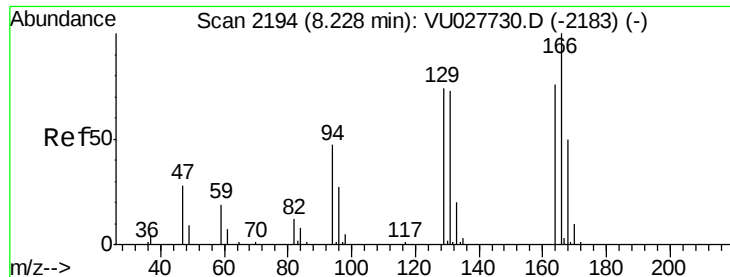
97 100

99 57.9 42.6 79.2

83 84.0 62.4 115.8

85 53.9 41.6 77.2

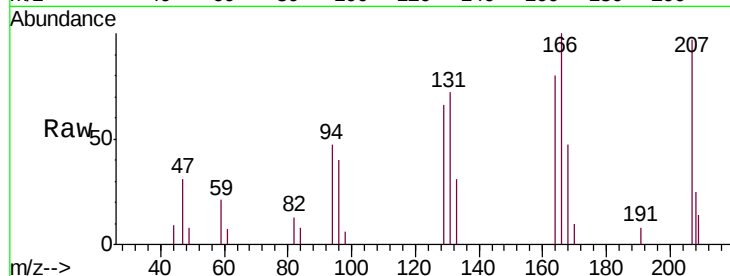




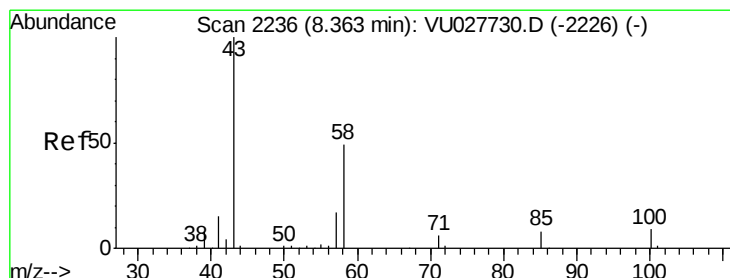
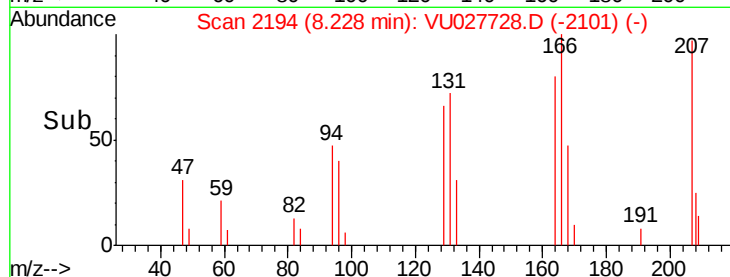
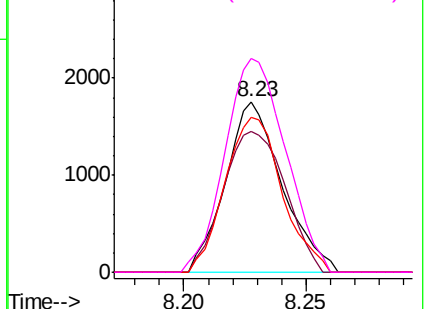
#46
Tetrachloroethene
Concen: 4.428 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion:164 Resp: 2823
Ion Ratio Lower Upper
164 100
129 82.7 68.5 127.3
131 90.6 67.1 124.5
166 125.3 92.2 171.2

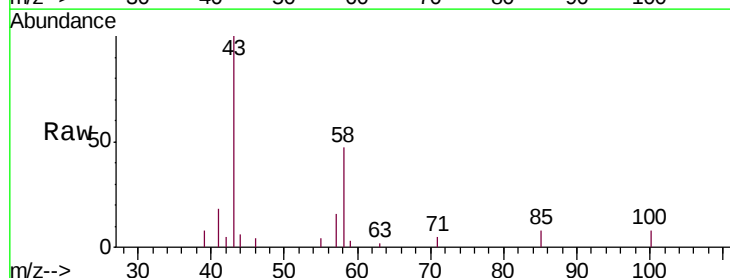


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

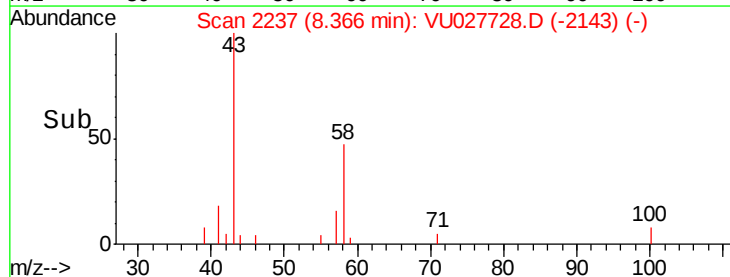
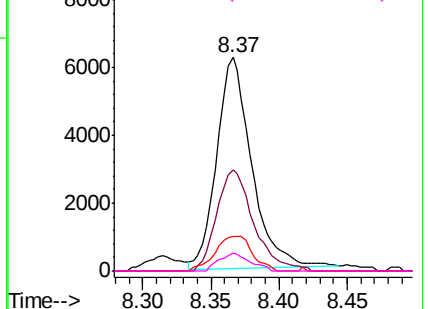


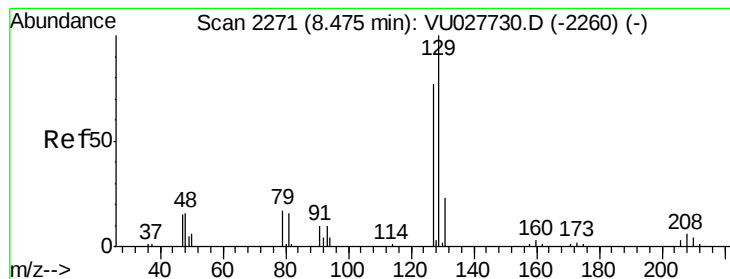
#48
2-Hexanone
Concen: 9.077 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion: 43 Resp: 11022
Ion Ratio Lower Upper
43 100
58 50.6 38.8 58.2
57 17.4 13.1 19.7
100 7.5 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 4.713 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

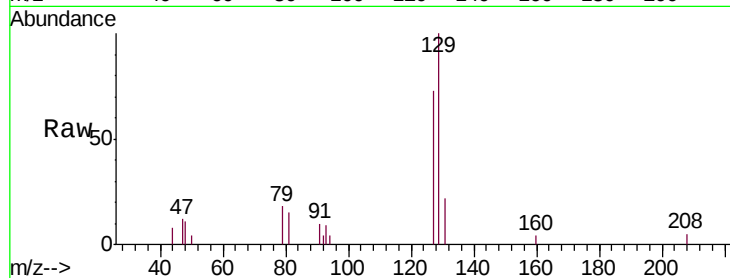
VSTD00552

Tgt Ion:129 Resp: 4494

Ion Ratio Lower Upper

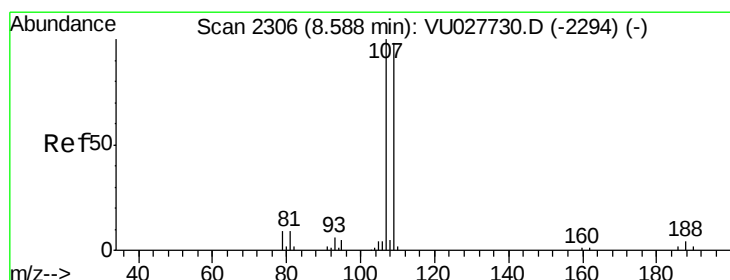
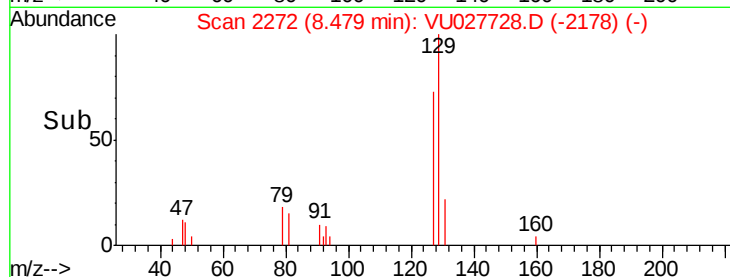
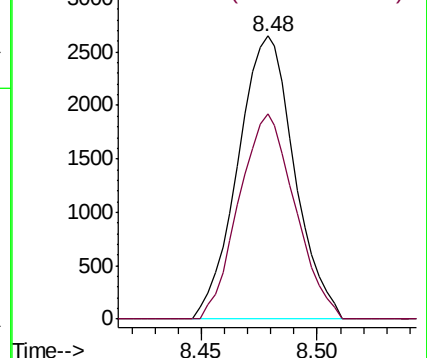
129 100

127 72.7 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.420 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

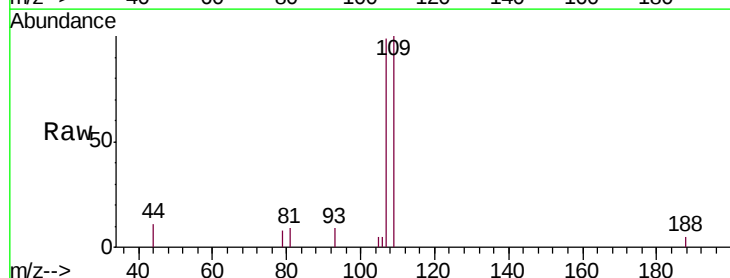
Tgt Ion:107 Resp: 3796

Ion Ratio Lower Upper

107 100

109 100.5 68.4 127.0

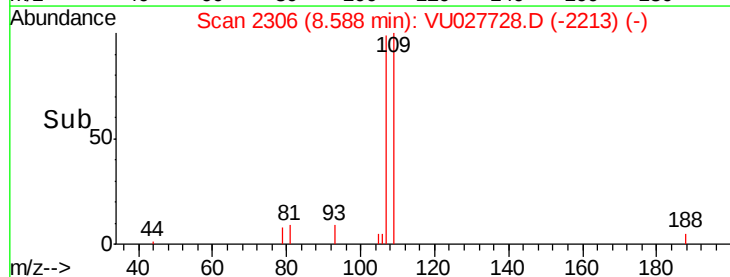
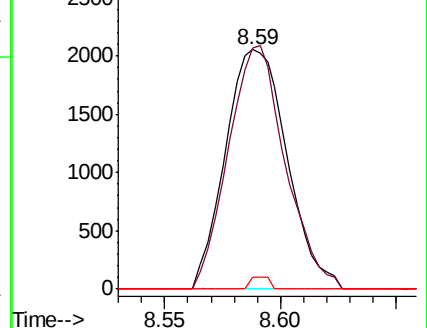
188 5.1 3.3 4.9#

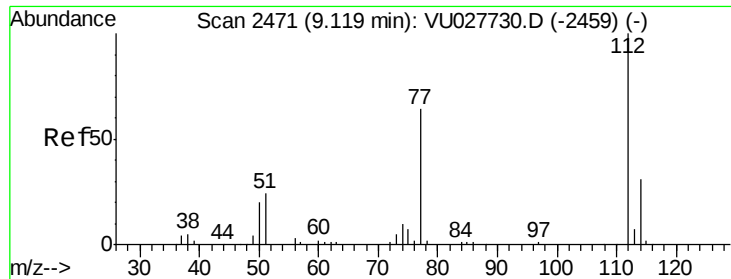


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

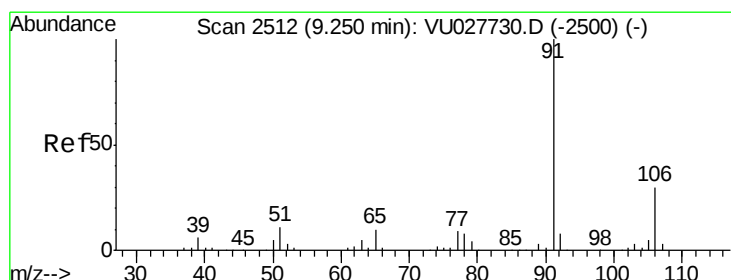
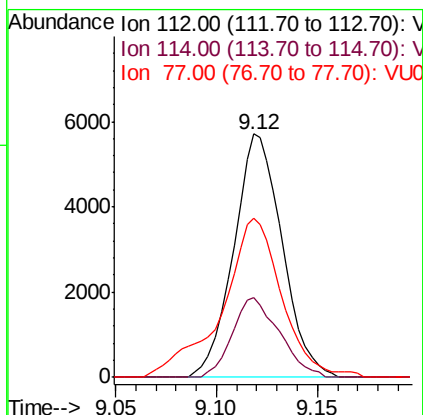
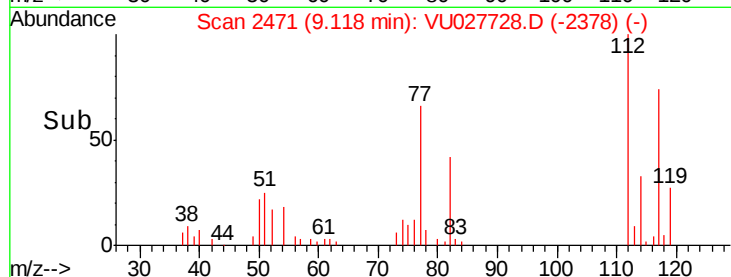
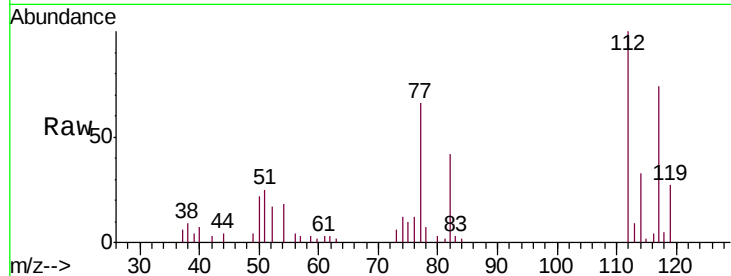




#51
Chlorobenzene
Concen: 4.533 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

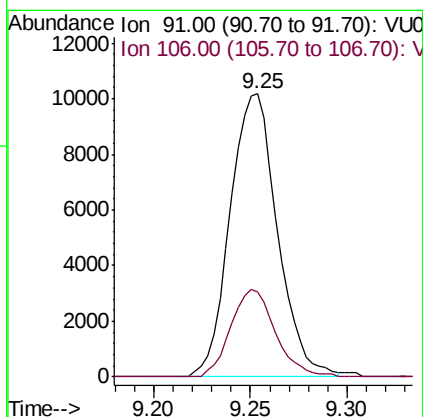
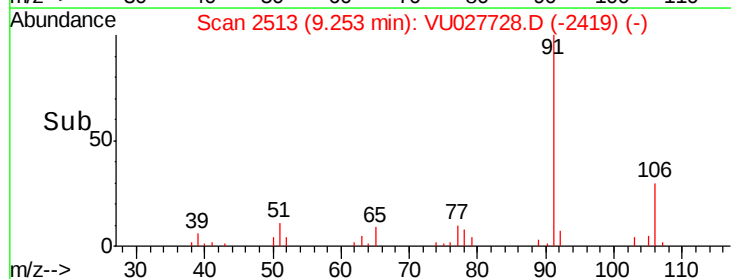
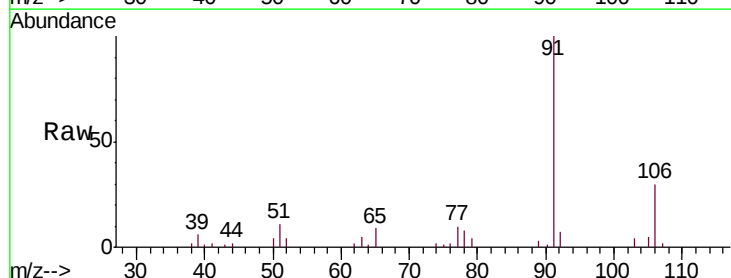
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

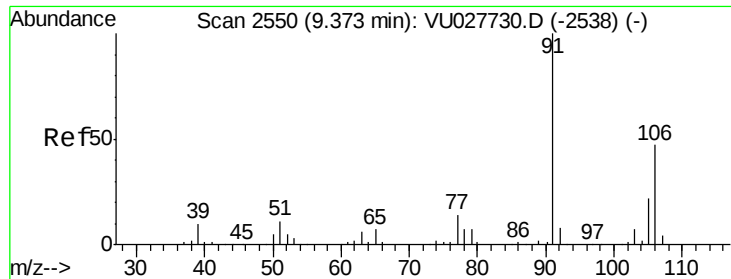
Tgt Ion: 112 Resp: 9596
Ion Ratio Lower Upper
112 100
114 32.9 21.9 40.7
77 65.5 52.2 78.2



#52
Ethylbenzene
Concen: 4.445 ug/L
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion: 91 Resp: 17363
Ion Ratio Lower Upper
91 100
106 30.1 20.9 38.7

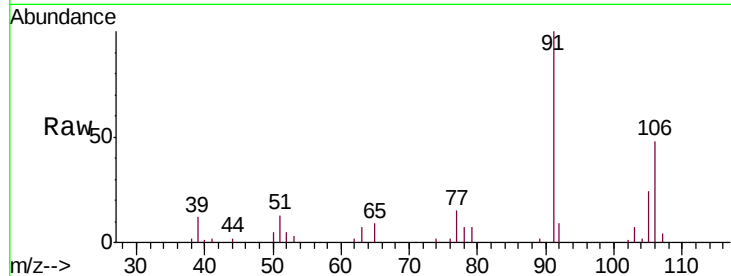




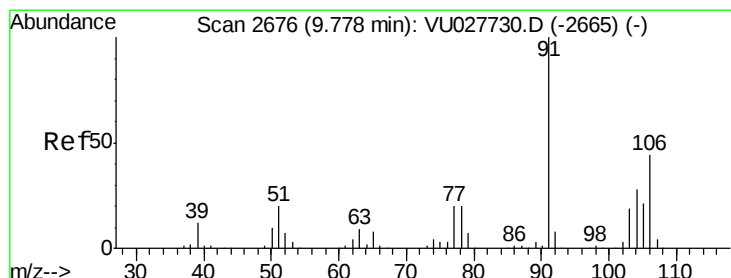
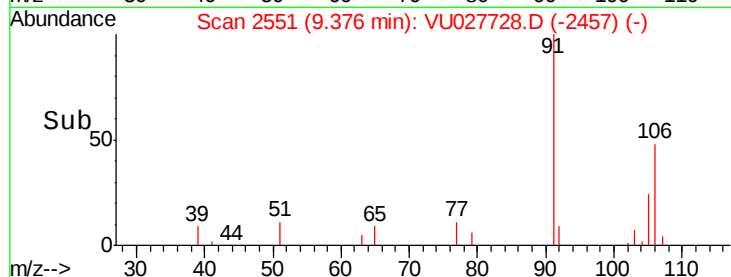
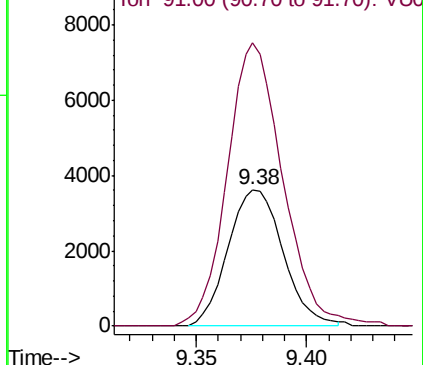
#53
m,p-Xylene
Concen: 4.448 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion:106 Resp: 6277
Ion Ratio Lower Upper
106 100
91 207.1 147.9 274.7

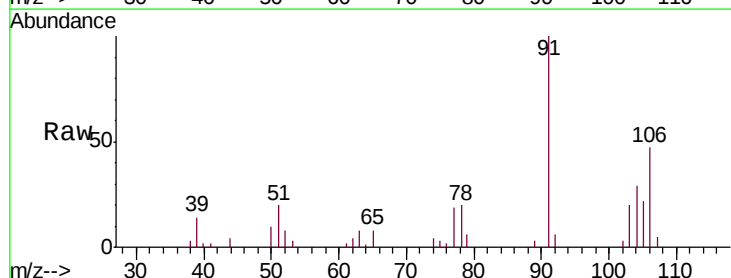


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

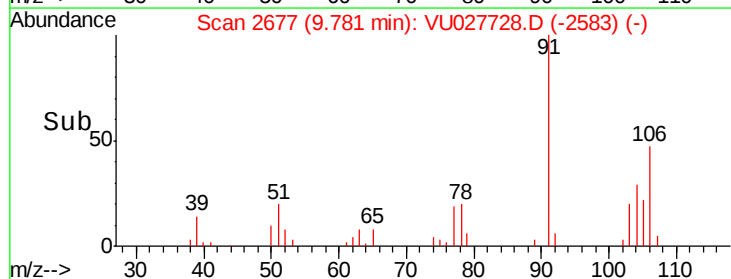
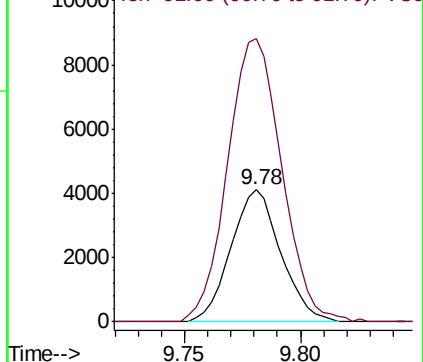


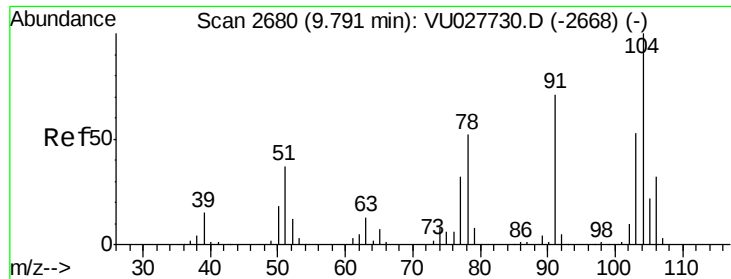
#54
o-xylene
Concen: 4.371 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion:106 Resp: 6148
Ion Ratio Lower Upper
106 100
91 214.5 159.4 296.0



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

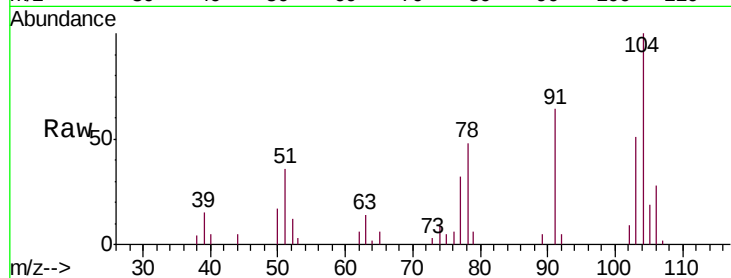




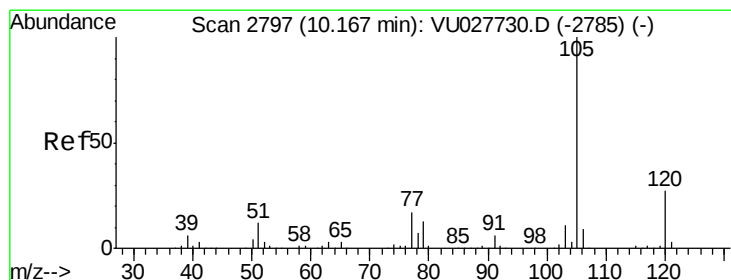
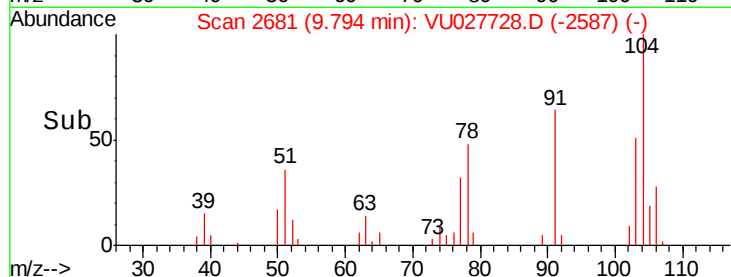
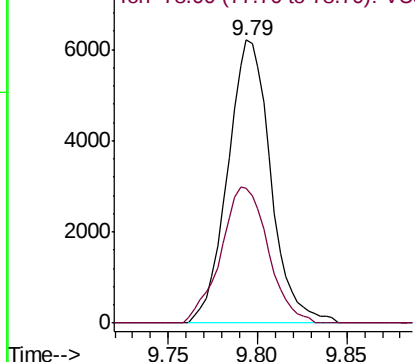
#55
Styrene
Concen: 4.356 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion:104 Resp: 10429
Ion Ratio Lower Upper
104 100
78 47.9 36.5 67.9

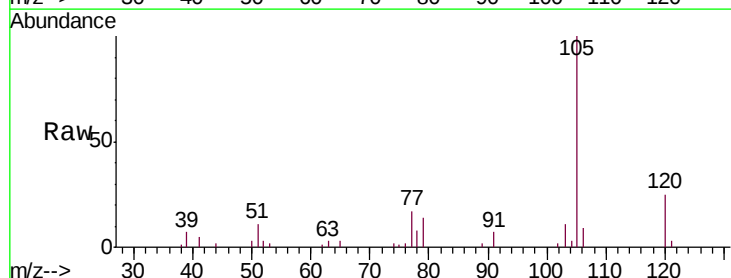


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0

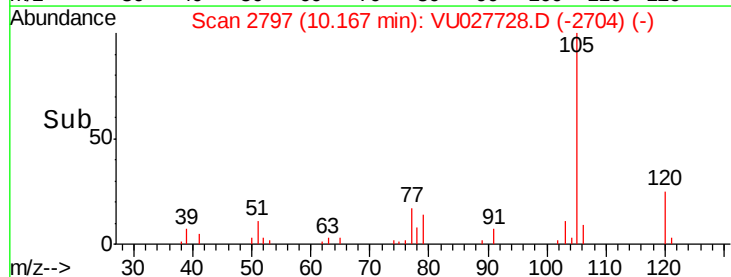
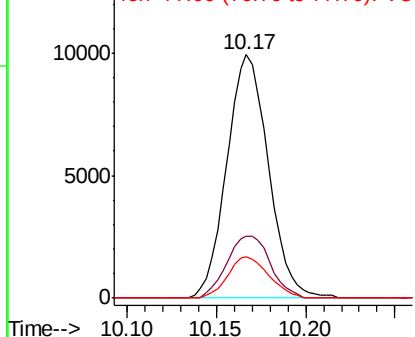


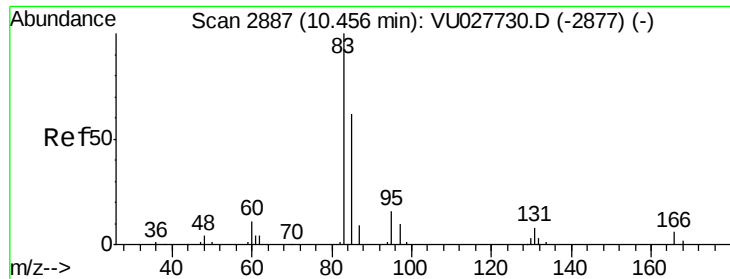
#56
Isopropylbenzene
Concen: 4.335 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion:105 Resp: 16147
Ion Ratio Lower Upper
105 100
120 26.6 21.0 31.6
77 16.8 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): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 4.563 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

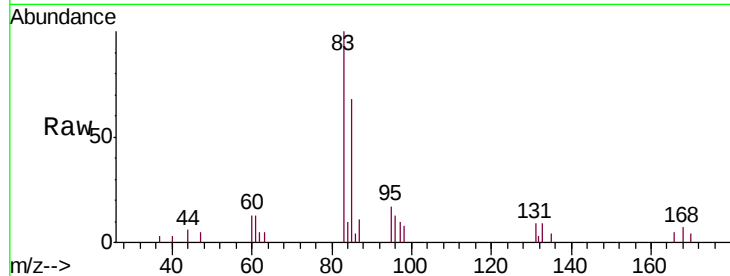
Tgt Ion: 83 Resp: 6529

Ion Ratio Lower Upper

83 100

85 68.2 44.6 82.8

131 9.0 6.9 10.3

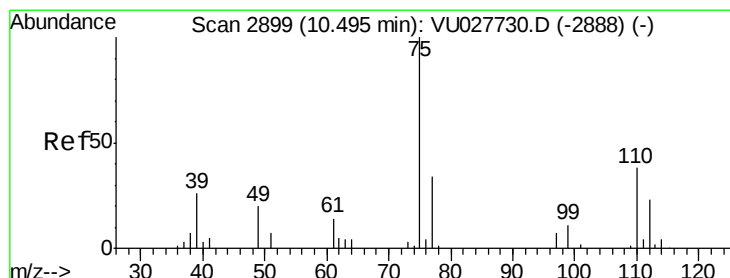
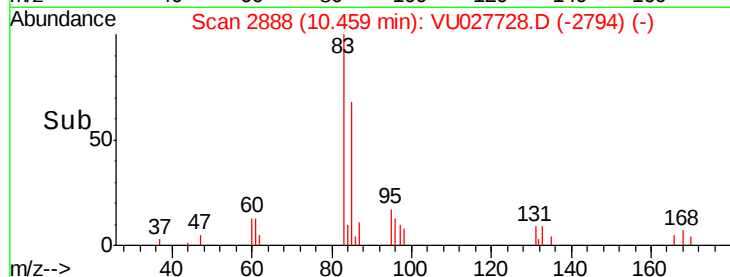


Abundance Ion 83.00 (82.70 to 83.70): VU027730.D (-2877) (-)

Ion 85.00 (84.70 to 85.70): VU027730.D (-2877) (-)

Ion 131.00 (130.70 to 131.70): VU027730.D (-2877) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.522 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027728.D

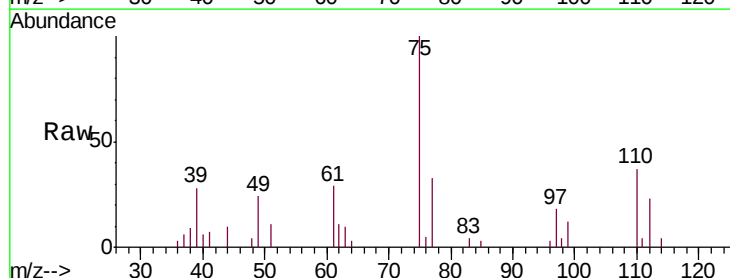
Acq: 22 Oct 2018 08:41

Tgt Ion: 75 Resp: 5206

Ion Ratio Lower Upper

75 100

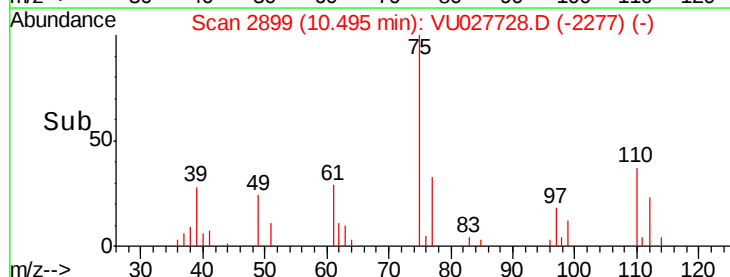
77 33.5 26.5 39.7

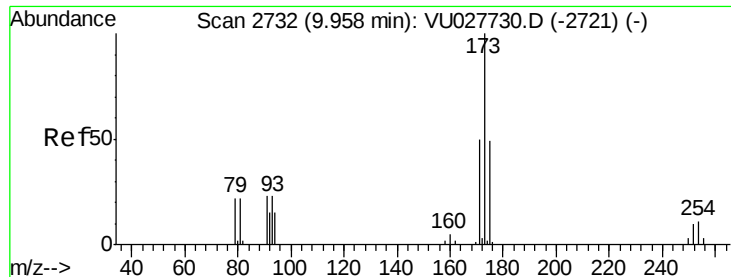


Abundance Ion 75.00 (74.70 to 75.70): VU027730.D (-2888) (-)

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

Time-->

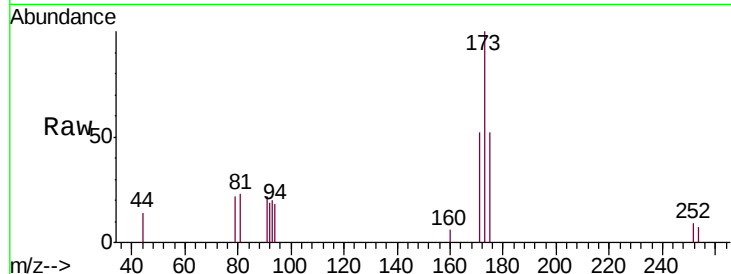




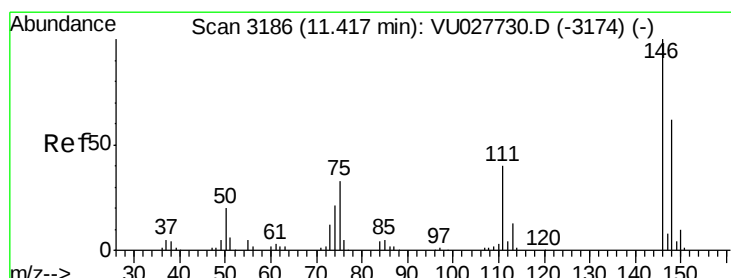
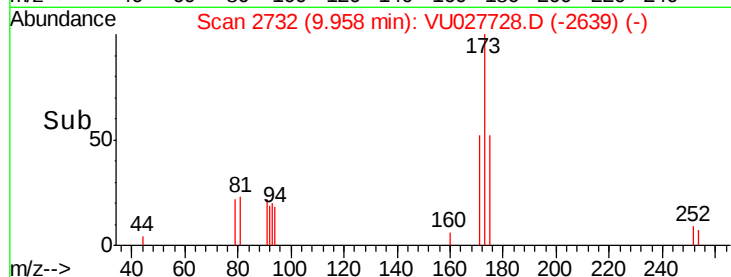
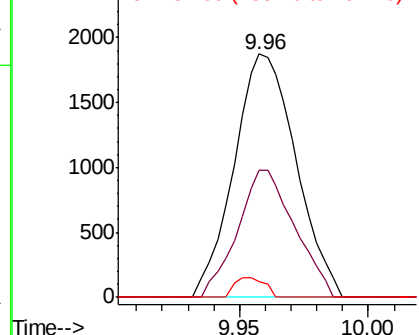
#61
Bromoform
Concen: 4.597 ug/L
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion:173 Resp: 3131
Ion Ratio Lower Upper
173 100
175 48.1 38.6 58.0
254 4.0 7.9 11.9#

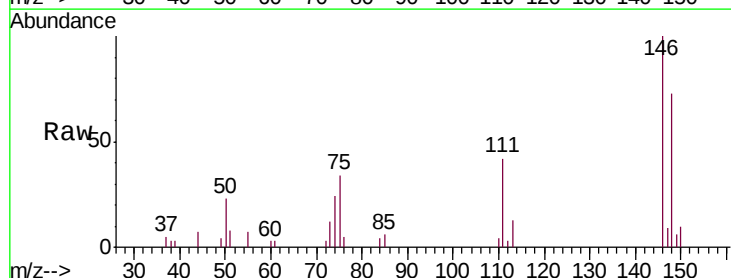


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

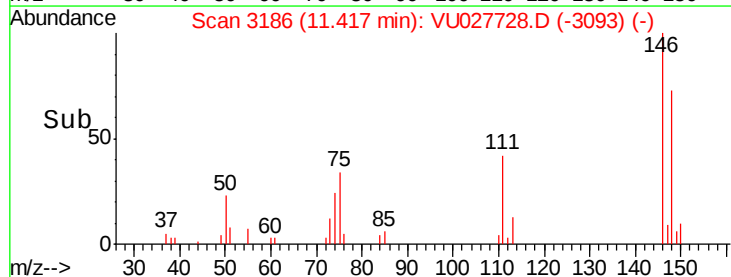
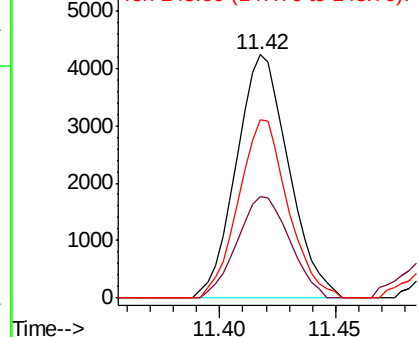


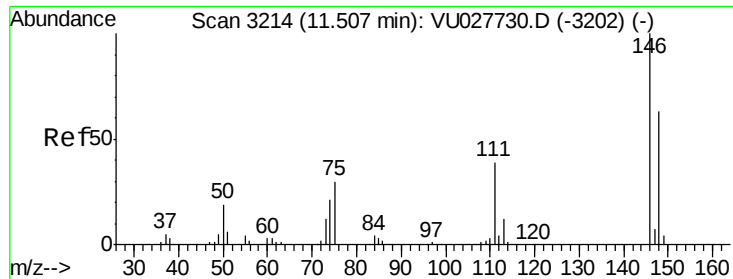
#62
1,3-Dichlorobenzene
Concen: 4.340 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. -0.00 min
Lab File: VU027728.D
Acq: 22 Oct 2018 08:41

Tgt Ion:146 Resp: 6648
Ion Ratio Lower Upper
146 100
111 41.8 28.1 52.3
148 73.2 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

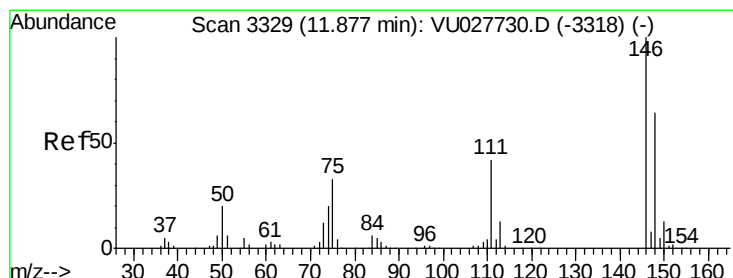
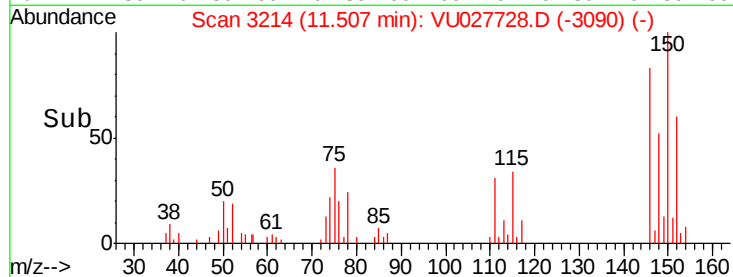
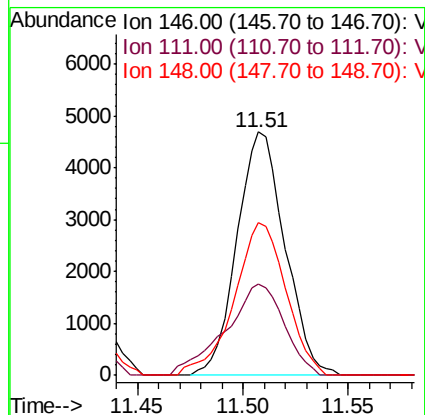
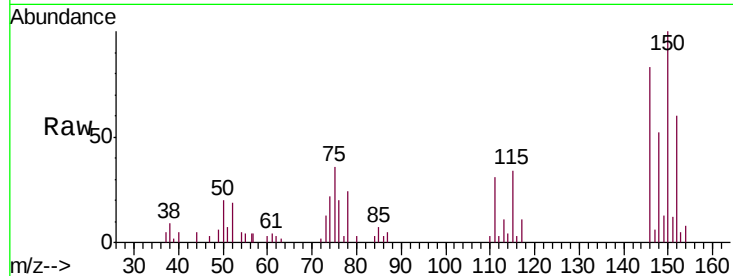




#63
 1,4-Dichlorobenzene
 Concen: 4.742 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027728.D
 Acq: 22 Oct 2018 08:41

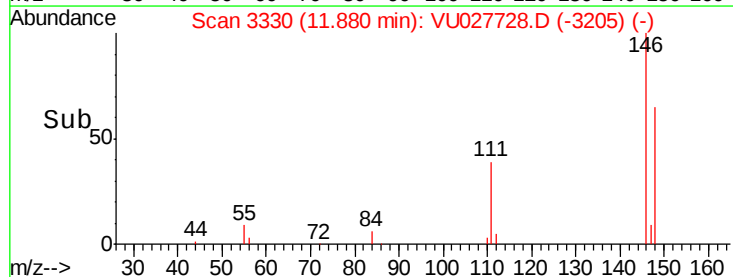
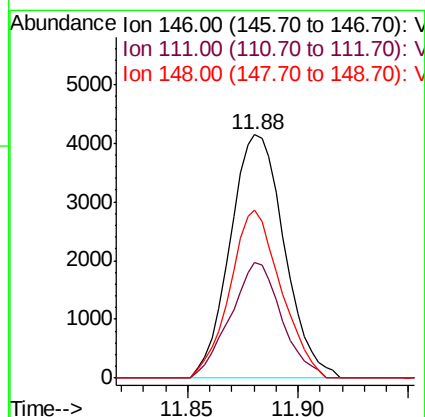
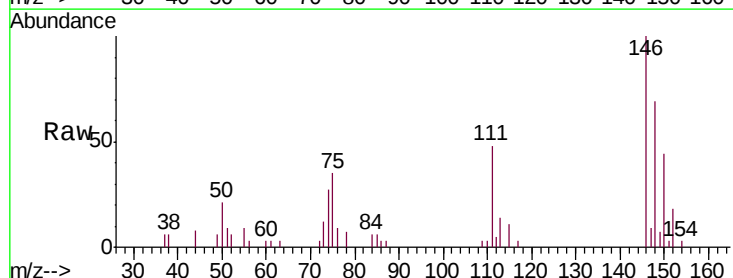
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

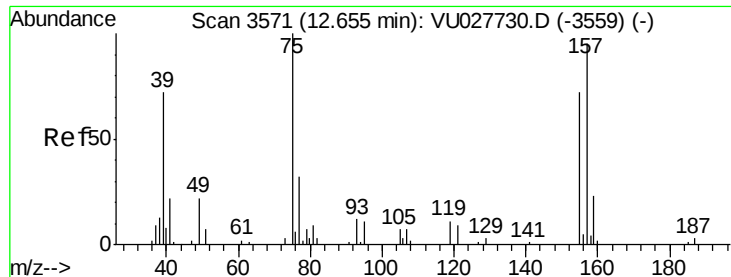
Tgt Ion:146 Resp: 7408
 Ion Ratio Lower Upper
 146 100
 111 37.4 27.5 51.1
 148 62.6 44.1 81.9



#65
 1,2-Dichlorobenzene
 Concen: 4.481 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027728.D
 Acq: 22 Oct 2018 08:41

Tgt Ion:146 Resp: 7061
 Ion Ratio Lower Upper
 146 100
 111 47.6 33.8 50.8
 148 69.1 51.5 77.3





#66

1,2-Dibromo-3-chloropropane

Concen: 4.959 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

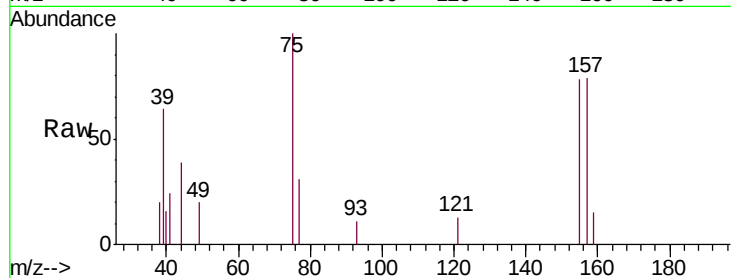
Tgt Ion: 75 Resp: 1628

Ion Ratio Lower Upper

75 100

155 78.3 57.4 86.2

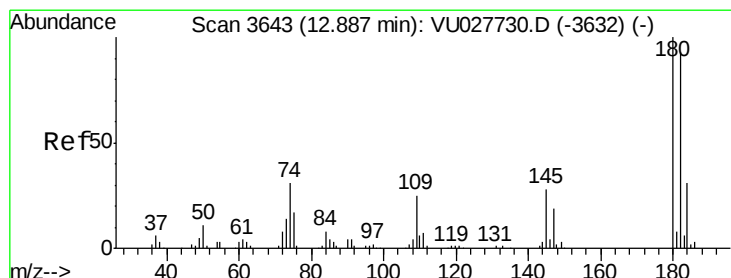
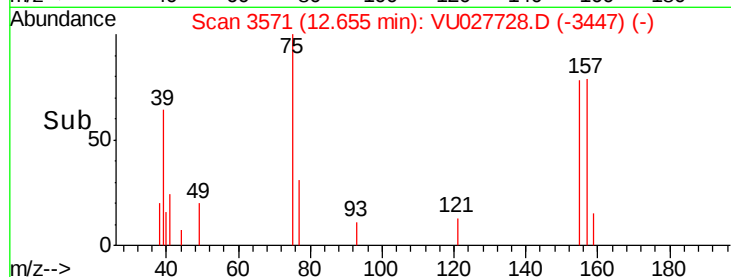
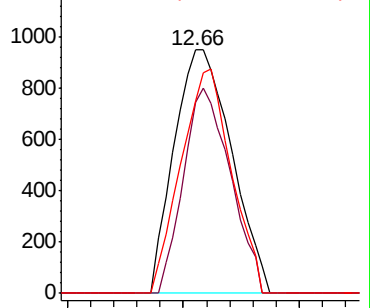
157 79.2 75.9 113.9



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#67

1,3,5-Trichlorobenzene

Concen: 4.482 ug/L

RT: 12.89 min Scan# 3644

Delta R.T. 0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Tgt Ion: 180 Resp: 5311

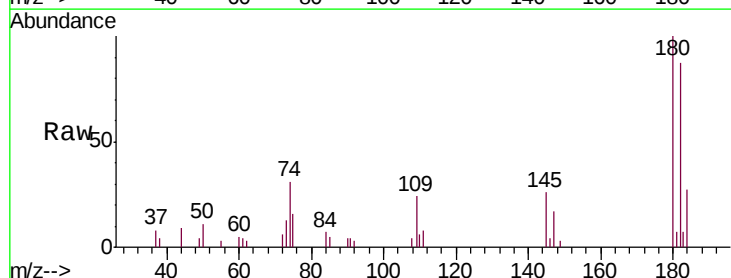
Ion Ratio Lower Upper

180 100

182 87.5 75.9 113.9

184 27.1 24.7 37.1

145 26.8 23.0 34.4

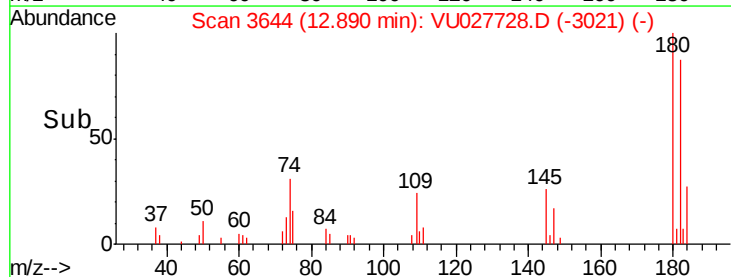
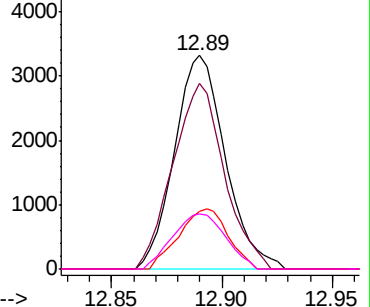


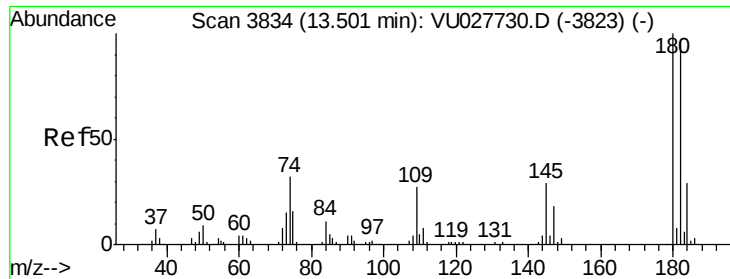
Abundance Ion 180.00 (179.70 to 180.70): V

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

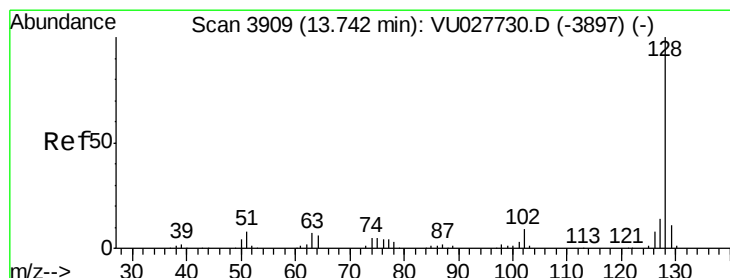
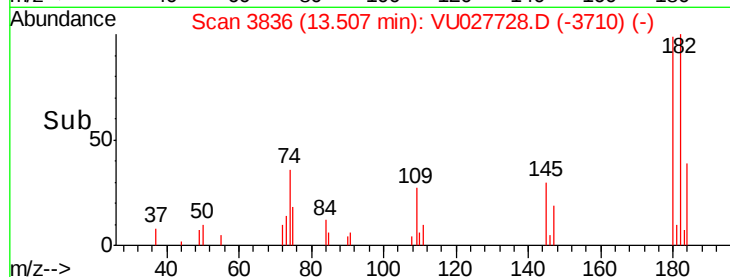
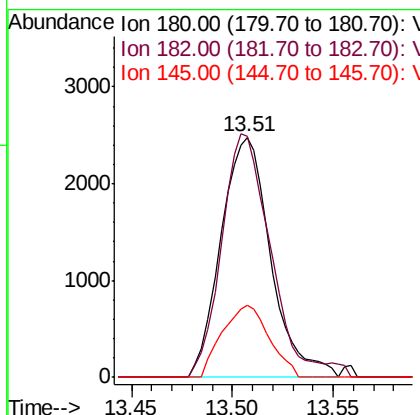
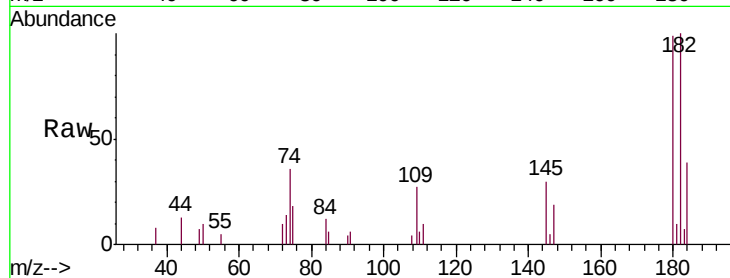




#68
 1,2,4-trichlorobenzene
 Concen: 4.055 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU027728.D
 Acq: 22 Oct 2018 08:41

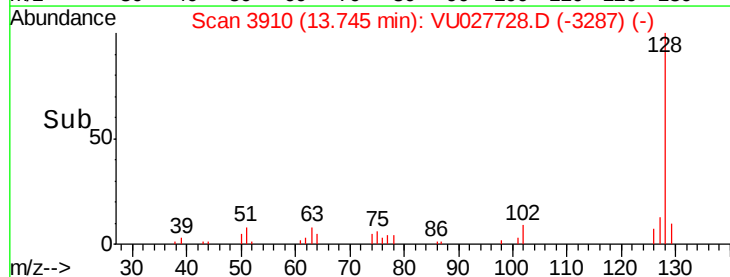
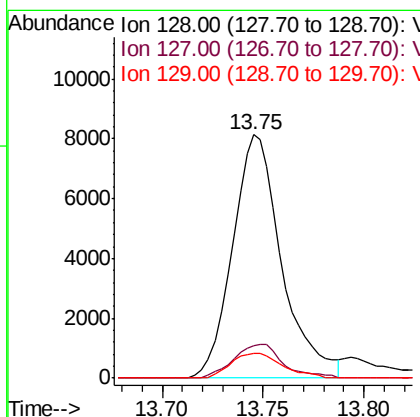
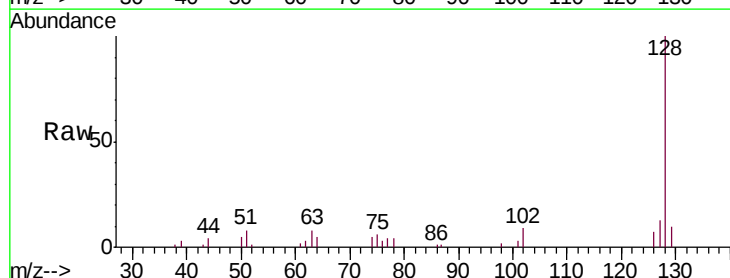
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

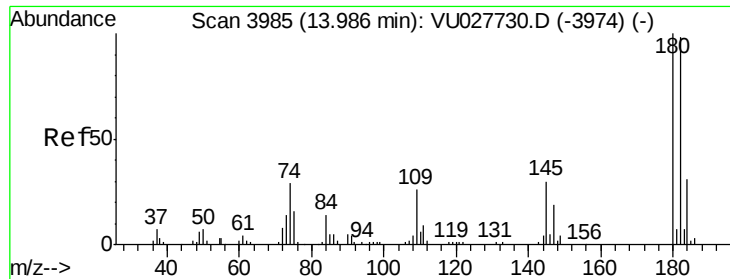
Tgt Ion:180 Resp: 4265
 Ion Ratio Lower Upper
 180 100
 182 98.9 77.1 115.7
 145 28.4 23.4 35.0



#69
 Naphthalene
 Concen: 4.073 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU027728.D
 Acq: 22 Oct 2018 08:41

Tgt Ion:128 Resp: 13837
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.9 16.3
 129 10.7 8.7 13.1





#70

1,2,3-Trichlorobenzene

Concen: 4.205 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027728.D

Acq: 22 Oct 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

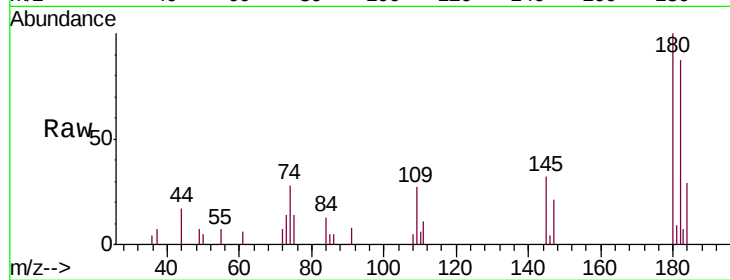
Tgt Ion:180 Resp: 4623

Ion Ratio Lower Upper

180 100

182 93.4 77.8 116.6

145 28.1 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

