

Data File : VU027730.D
Acq On : 22 Oct 2018 09:28
Operator : MD/SY
Sample : VSTD05054
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: Oct 23 07:21:20 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	105537	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	100739	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48096	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44449	54.13	ug/L	0.00
7) Chloroethane-d5	1.68	69	33928	53.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	77605	52.47	ug/L	0.00
21) 2-Butanone-d5	4.18	46	75319	107.63	ug/L	0.00
24) Chloroform-d	4.65	84	80894	54.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	55197	54.00	ug/L	0.00
32) Benzene-d6	5.34	84	156409	54.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	55614	54.30	ug/L	0.00
41) Toluene-d8	7.57	98	145149	54.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	27364	55.01	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	55680	106.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	69925	52.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	53191	53.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	42095	49.080 ug/L	100
3) Chloromethane	1.33	50	48399	48.171 ug/L	100
5) Vinyl chloride	1.41	62	46584	48.879 ug/L	100
6) Bromomethane	1.63	94	22950	47.758 ug/L	100
8) Chloroethane	1.70	64	25470	49.514 ug/L	100
9) Trichlorofluoromethane	1.89	101	55748	48.548 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	29714	47.254 ug/L	100
12) 1,1-Dichloroethene	2.29	96	28717	48.833 ug/L	100
13) Acetone	2.32	43	44055	90.380 ug/L	100
14) Carbon disulfide	2.48	76	98701	48.202 ug/L	100
15) Methyl Acetate	2.62	43	48033	46.825 ug/L	100
16) Methylene chloride	2.70	84	35695	49.138 ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	31373	48.228 ug/L	100
18) Methyl tert-butyl Ether	3.00	73	117105	48.162 ug/L	100
19) 1,1-Dichloroethane	3.45	63	68380	48.440 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	36935	48.000 ug/L	100
22) 2-Butanone	4.26	43	67486	93.046 ug/L	100
23) Bromochloromethane	4.55	128	17749	49.393 ug/L	100
25) Chloroform	4.68	83	67542	49.302 ug/L	100
27) 1,2-Dichloroethane	5.41	62	58212	48.964 ug/L	100
29) Cyclohexane	5.00	56	69186	47.914 ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	58661	48.040 ug/L	100
31) Carbon tetrachloride	5.14	117	52570	47.841 ug/L	100
33) Benzene	5.39	78	148298	49.484 ug/L	100
34) Trichloroethene	6.19	95	35736	47.632 ug/L	100
35) Methylcyclohexane	6.42	83	61921	47.723 ug/L	100
37) 1,2-Dichloropropane	6.43	63	42793	48.328 ug/L	100
38) Bromodichloromethane	6.76	83	53383	48.514 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	65722	48.204 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	133411	93.746 ug/L	100

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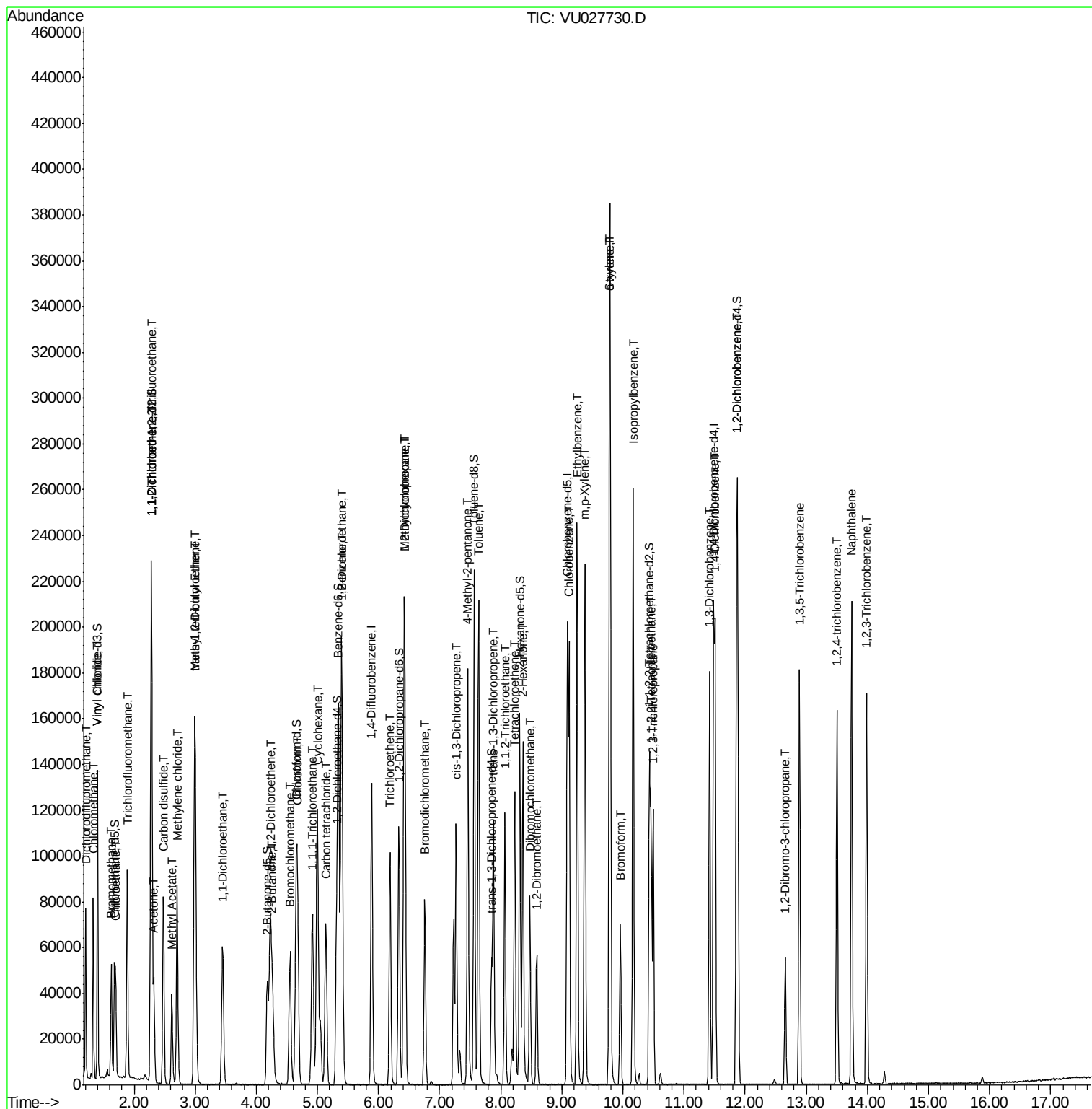
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	150324	47.896	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	62030	48.096	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	35717	48.834	ug/L	100
46) Tetrachloroethene	8.23	164	27802	47.984	ug/L	100
48) 2-Hexanone	8.36	43	103148	93.462	ug/L	100
49) Dibromochloromethane	8.48	129	41216	47.557	ug/L	100
50) 1,2-Dibromoethane	8.59	107	37254	47.722	ug/L	100
51) Chlorobenzene	9.12	112	92564	48.106	ug/L	100
52) Ethylbenzene	9.25	91	171150	48.209	ug/L	100
53) m,p-Xylene	9.37	106	61401	47.876	ug/L	100
54) o-xylene	9.78	106	61268	47.925	ug/L	100
55) Styrene	9.79	104	104294	47.929	ug/L	100
56) Isopropylbenzene	10.17	105	161373	47.664	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	60937	46.852	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	48067	45.932	ug/L	100
61) Bromoform	9.96	173	31459	49.067	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	70506	48.889	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	70325	47.822	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	71662	48.311	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	14532	47.016	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	54419	48.788	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	49310	49.797	ug/L	100
69) Naphthalene	13.74	128	160090	50.056	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	51318	49.587	ug/L	100

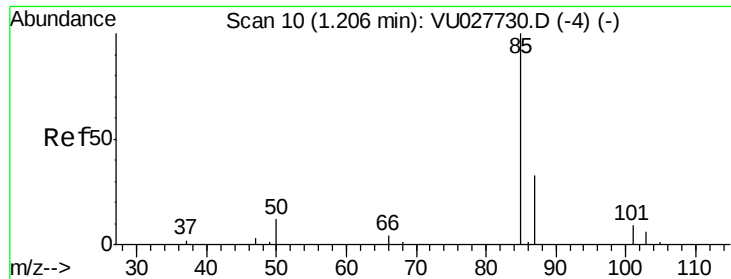
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.080 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

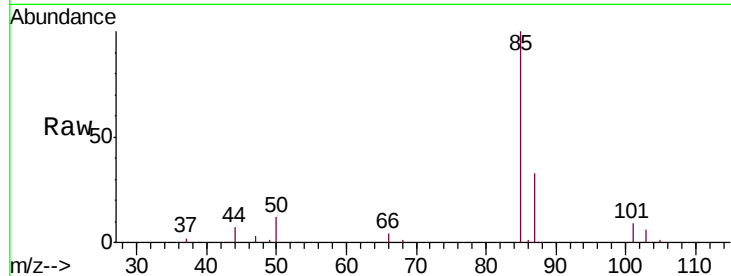
VSTD05054

Tgt Ion: 85 Resp: 42095

Ion Ratio Lower Upper

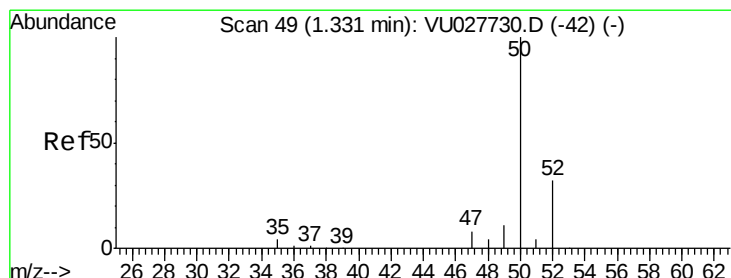
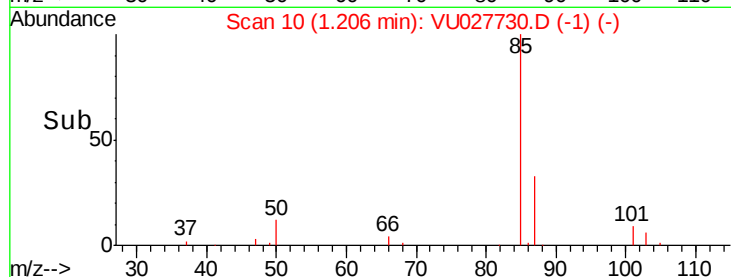
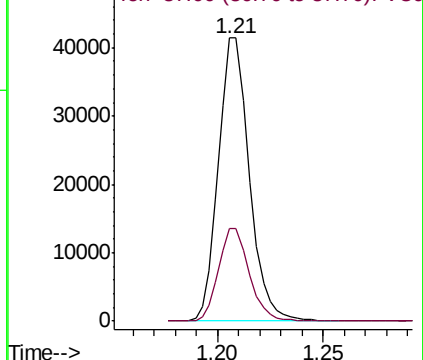
85 100

87 32.5 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: 48.171 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027730.D

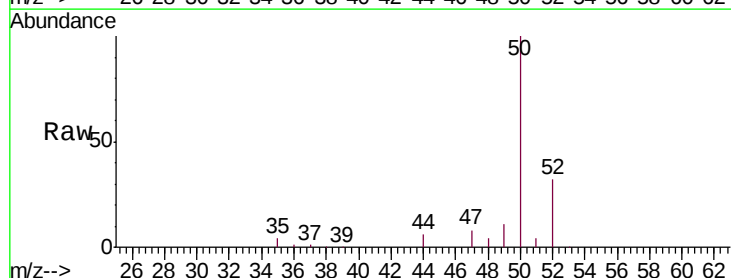
Acq: 22 Oct 2018 09:28

Tgt Ion: 50 Resp: 48399

Ion Ratio Lower Upper

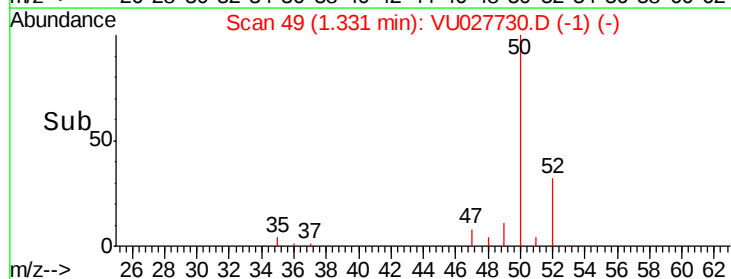
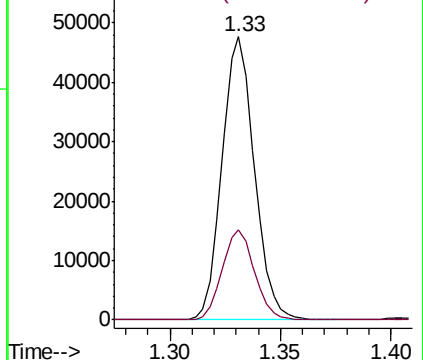
50 100

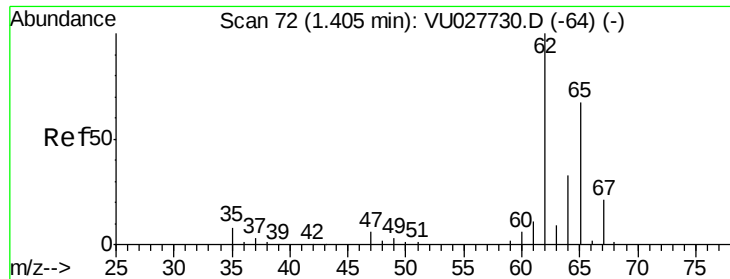
52 31.9 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.879 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

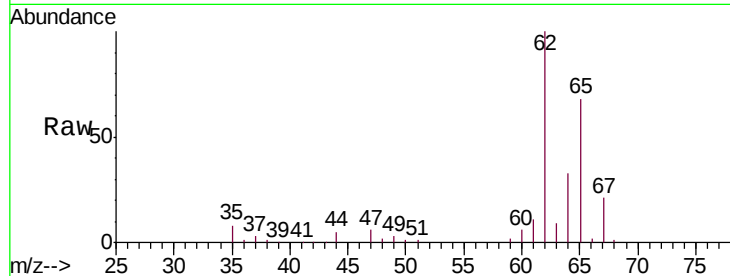
VSTD05054

Tgt Ion: 62 Resp: 46584

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.41

50000

40000

30000

20000

10000

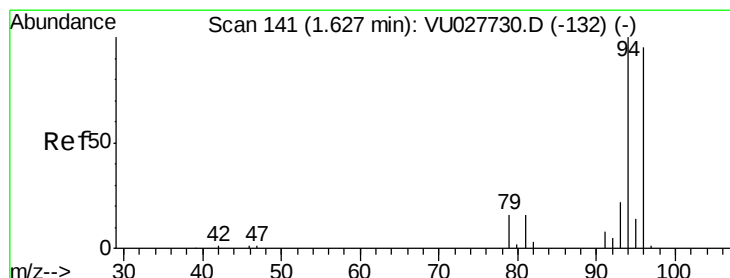
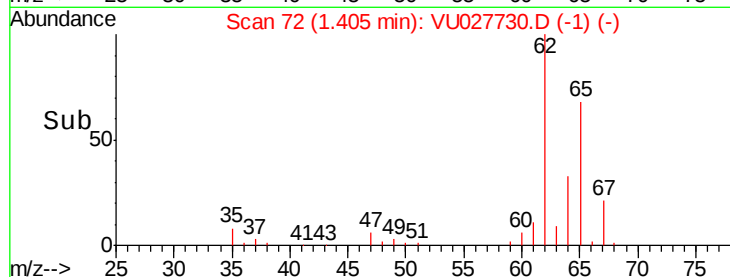
0

Time-->

1.35

1.40

1.45



#6

Bromomethane

Concen: 47.758 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU027730.D

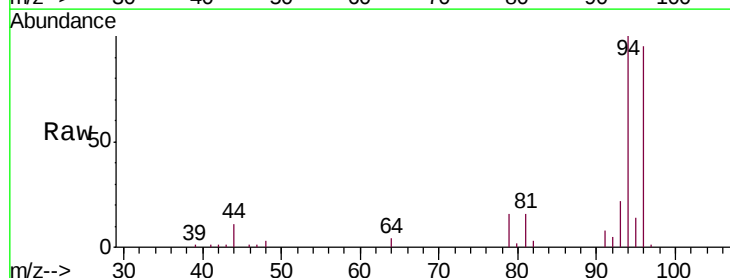
Acq: 22 Oct 2018 09:28

Tgt Ion: 94 Resp: 22950

Ion Ratio Lower Upper

94 100

96 94.6 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

20000

15000

10000

5000

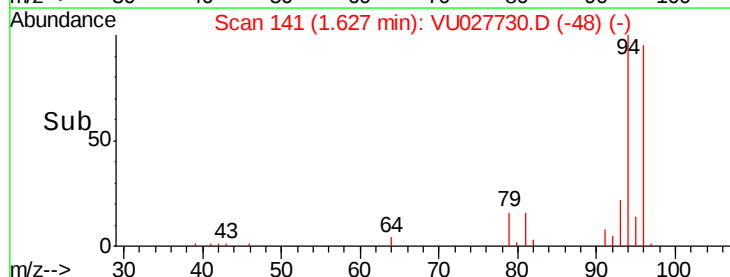
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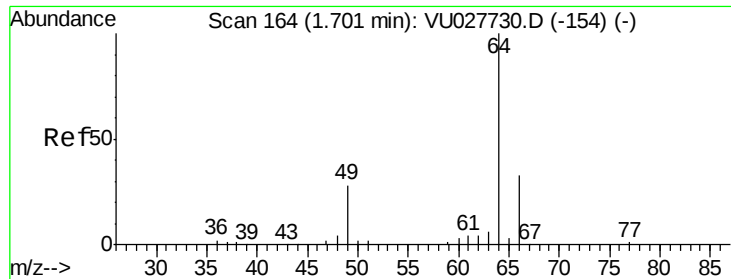
Time-->

1.60

1.65

1.70





#8

Chloroethane

Concen: 49.514 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

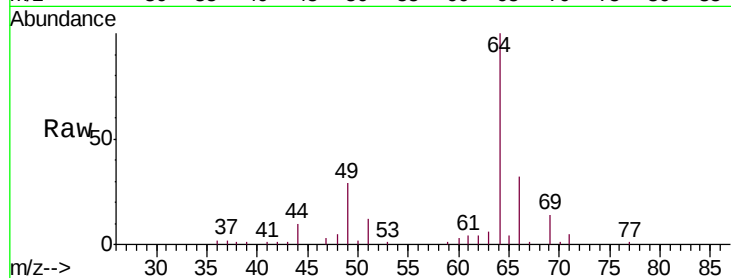
VSTD05054

Tgt Ion: 64 Resp: 25470

Ion Ratio Lower Upper

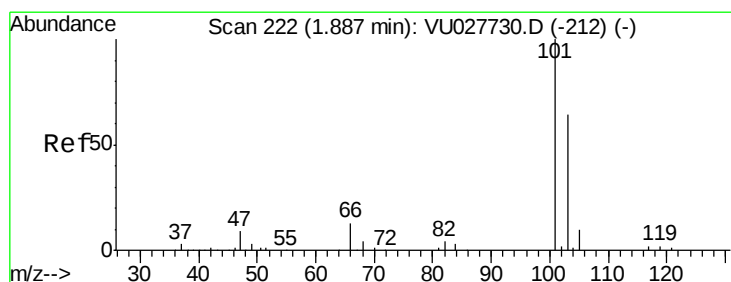
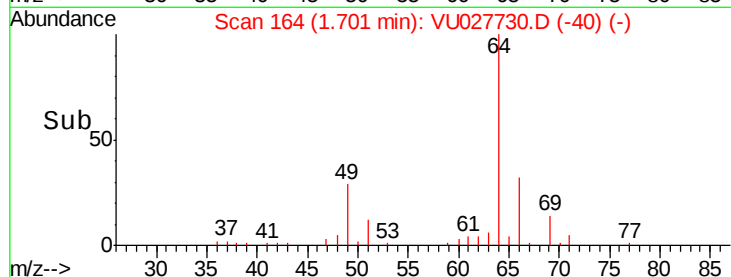
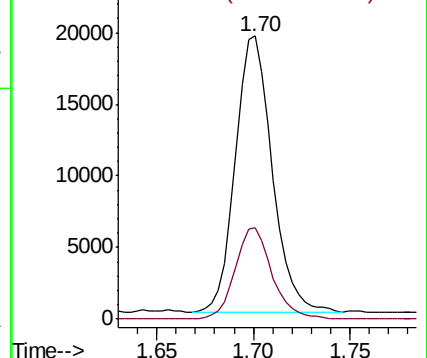
64 100

66 32.3 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 48.548 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027730.D

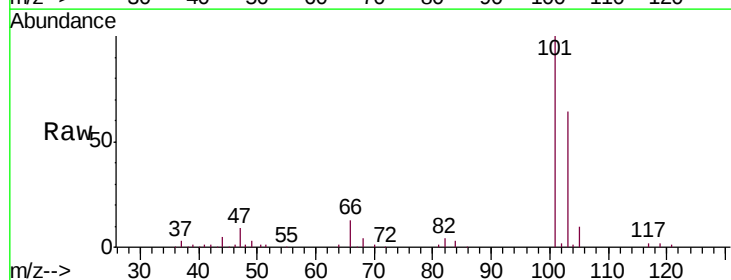
Acq: 22 Oct 2018 09:28

Tgt Ion: 101 Resp: 55748

Ion Ratio Lower Upper

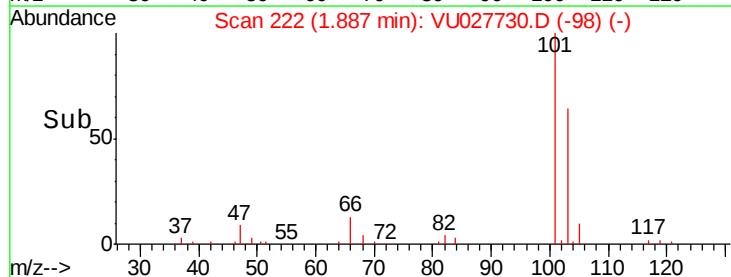
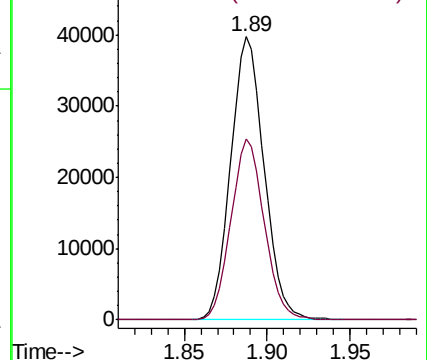
101 100

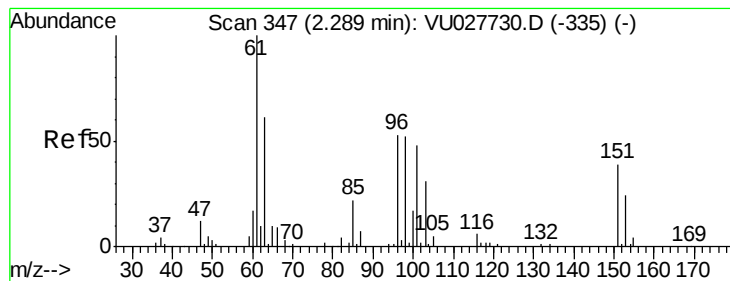
103 63.7 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 47.254 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

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ClientSampleId :

VSTD05054

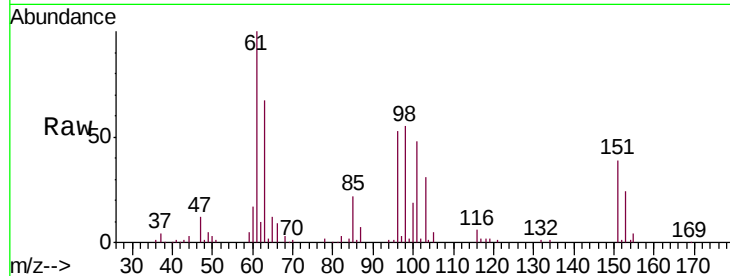
Tgt Ion:101 Resp: 29714

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

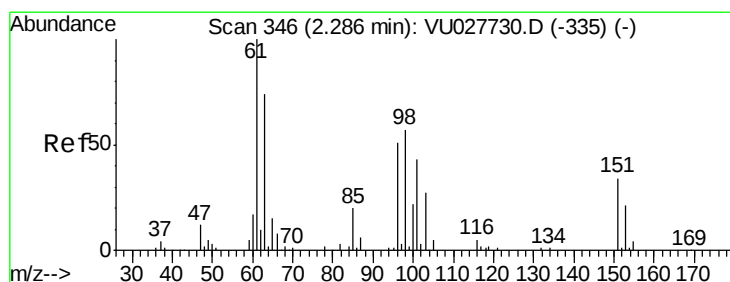
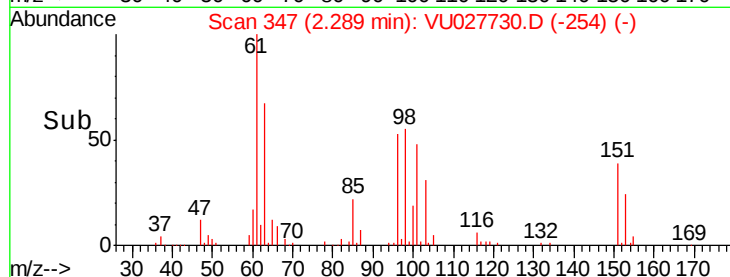
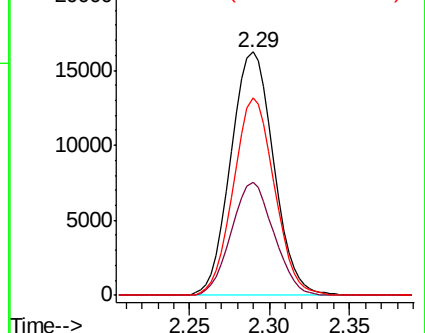
151 77.5 62.0 93.0



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: 48.833 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

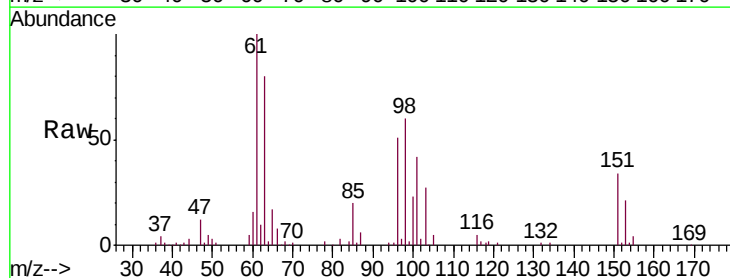
Tgt Ion: 96 Resp: 28717

Ion Ratio Lower Upper

96 100

61 196.2 137.3 255.1

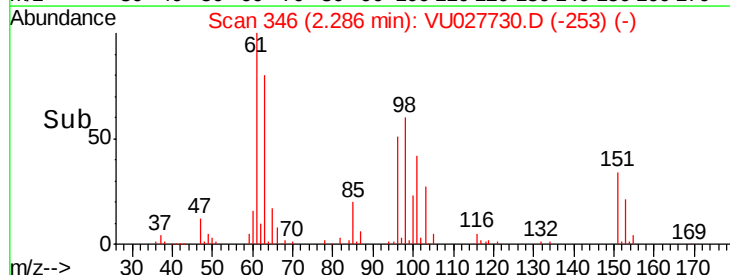
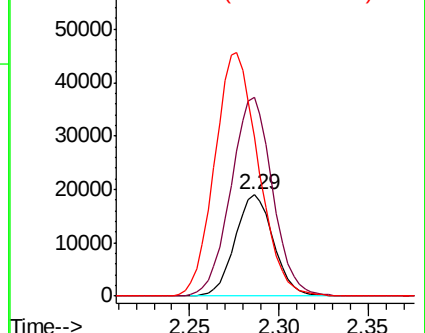
63 156.9 109.8 204.0

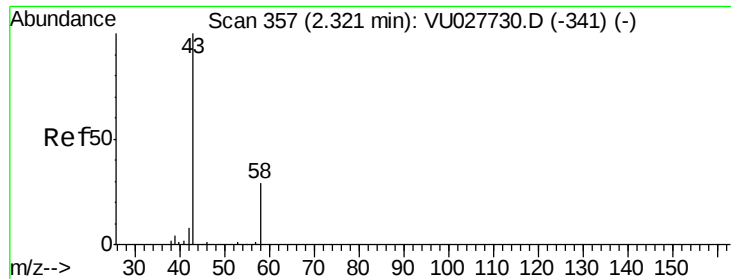


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.380 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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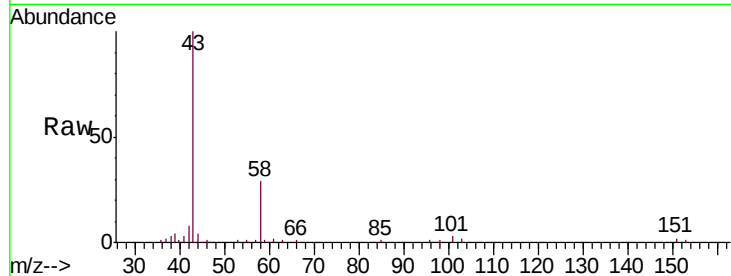
VSTD05054

Tgt Ion: 43 Resp: 44055

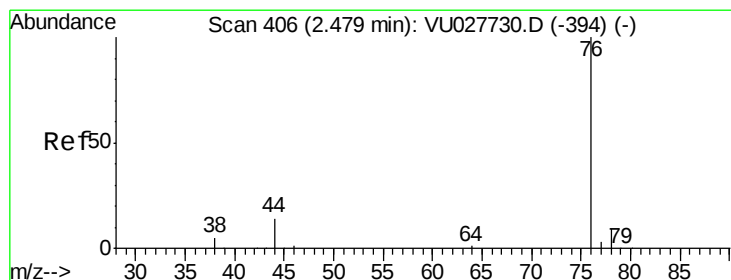
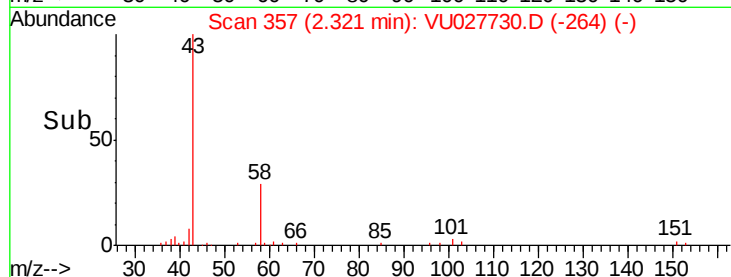
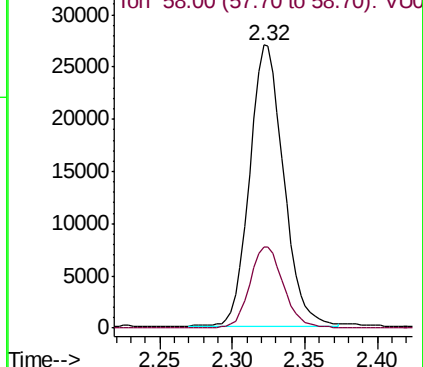
Ion Ratio Lower Upper

43 100

58 28.7 0.0 57.4



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



#14

Carbon disulfide

Concen: 48.202 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027730.D

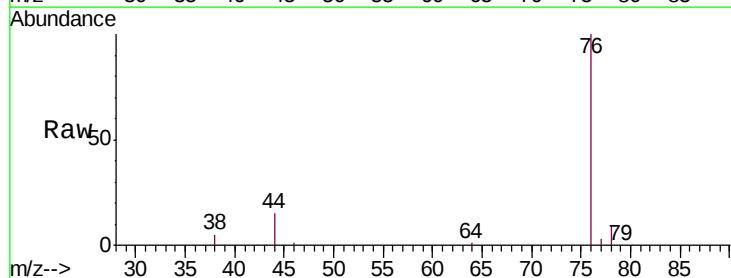
Acq: 22 Oct 2018 09:28

Tgt Ion: 76 Resp: 98701

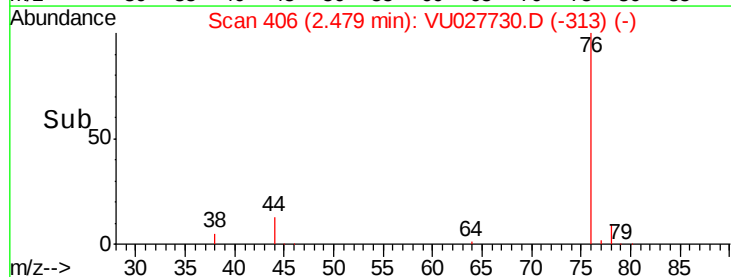
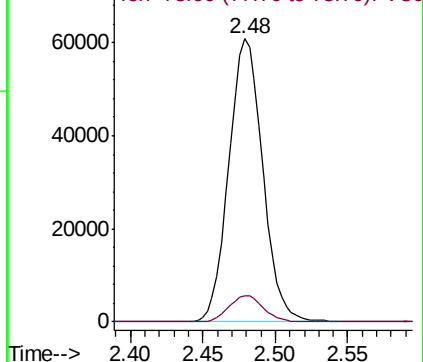
Ion Ratio Lower Upper

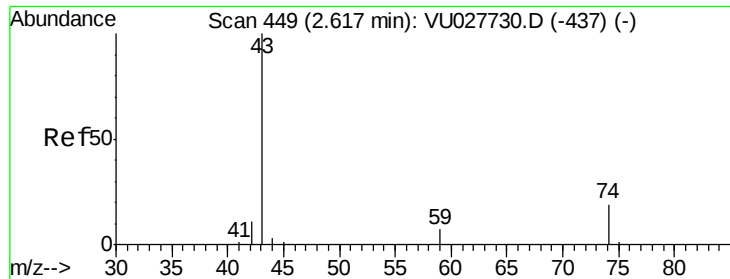
76 100

78 9.4 7.5 11.3



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

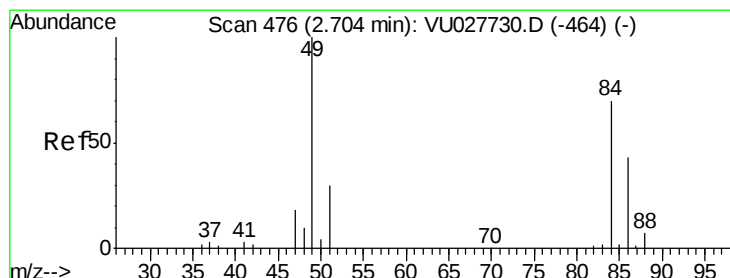
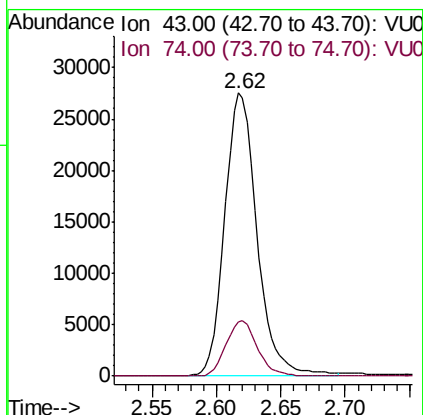
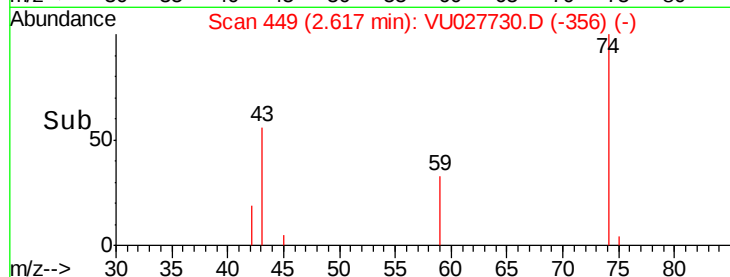
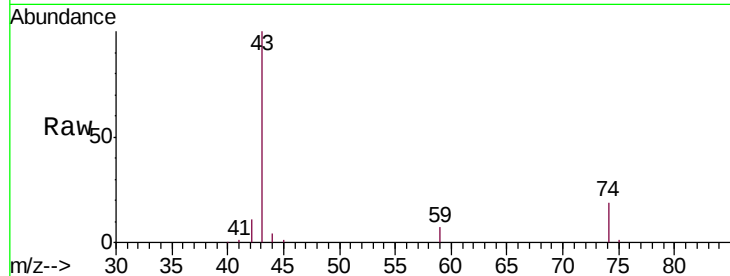




#15
Methyl Acetate
Concen: 46.825 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

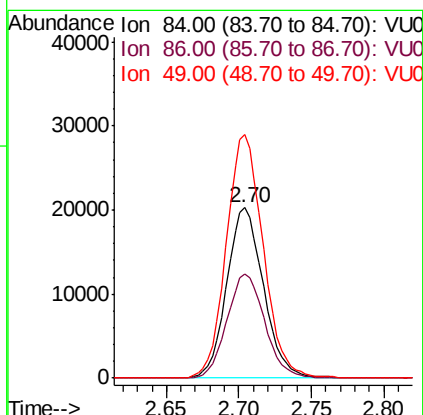
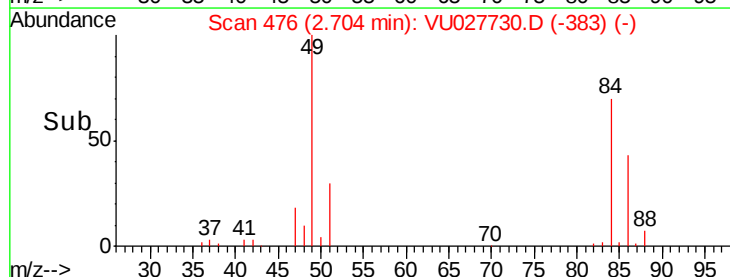
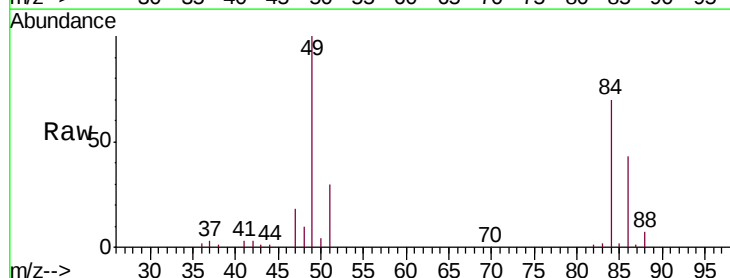
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

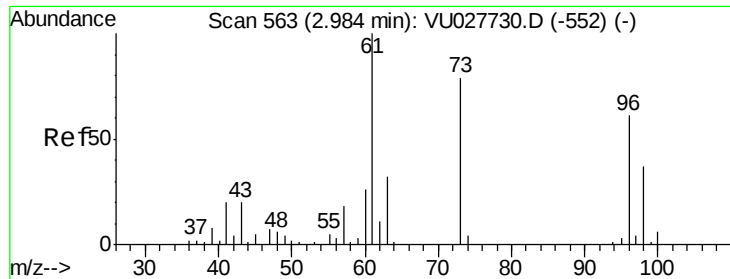
Tgt Ion: 43 Resp: 48033
Ion Ratio Lower Upper
43 100
74 18.9 15.1 22.7



#16
Methylene chloride
Concen: 49.138 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

Tgt Ion: 84 Resp: 35695
Ion Ratio Lower Upper
84 100
86 61.2 42.8 79.6
49 142.8 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 48.228 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

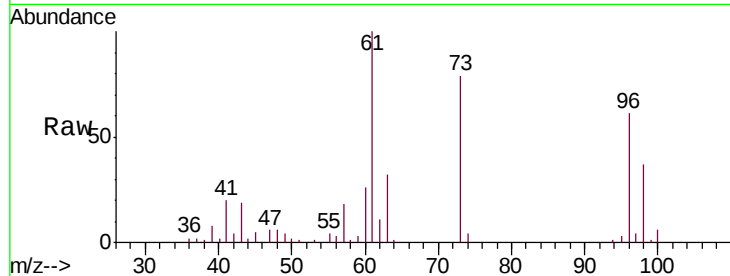
Tgt Ion: 96 Resp: 31373

Ion Ratio Lower Upper

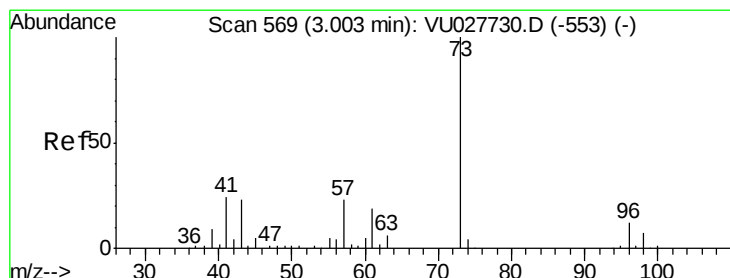
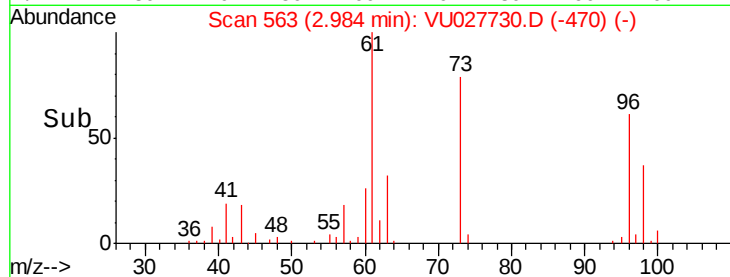
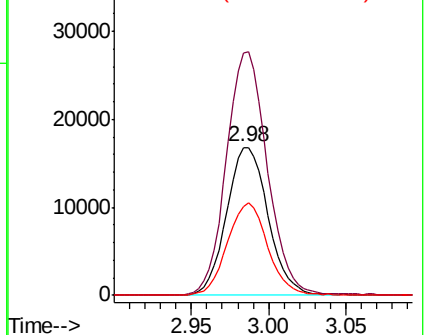
96 100

61 163.8 114.7 212.9

98 60.3 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: 48.162 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

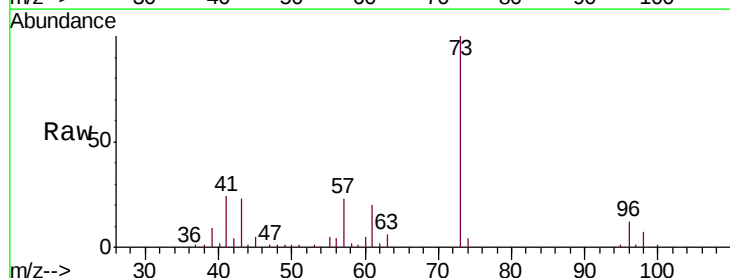
Tgt Ion: 73 Resp: 117105

Ion Ratio Lower Upper

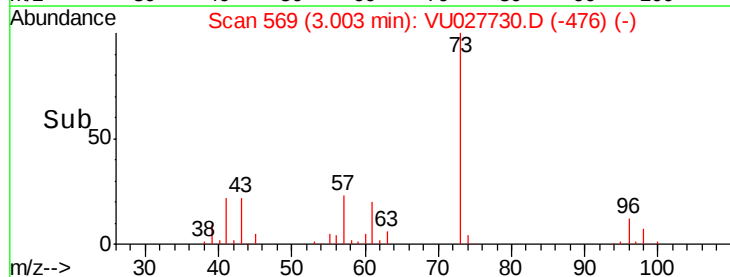
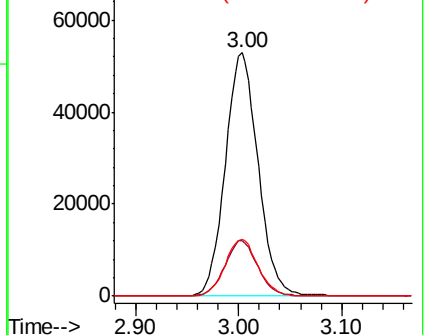
73 100

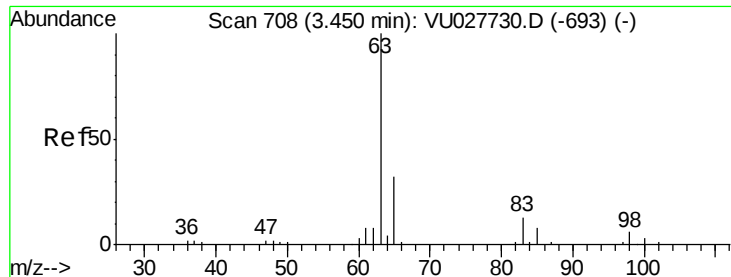
43 22.9 18.3 27.5

57 23.3 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

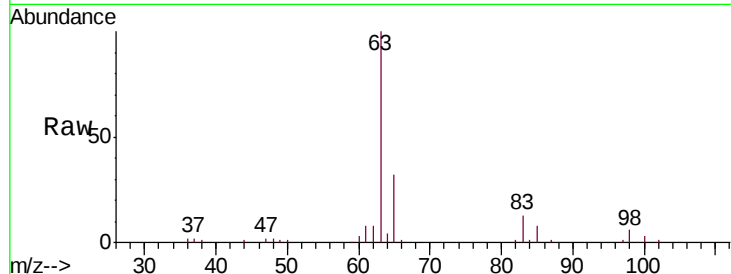




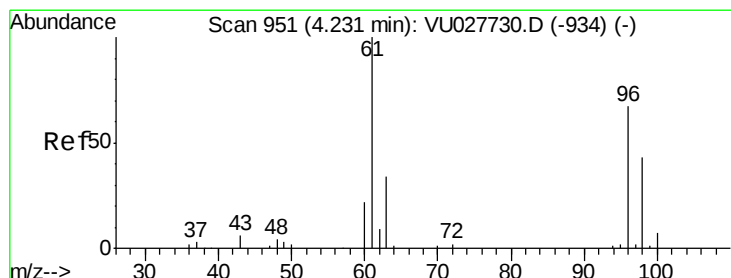
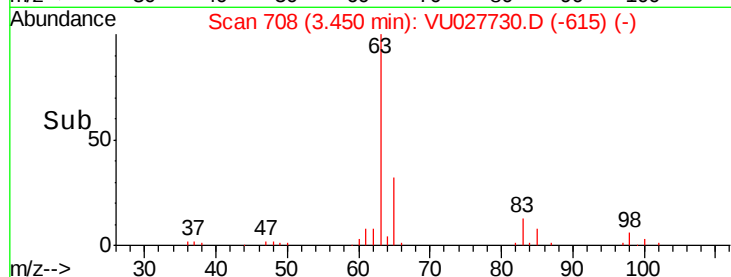
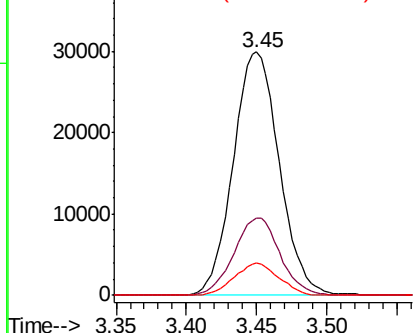
#19
 1,1-Dichloroethane
 Concen: 48.440 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion: 63 Resp: 68380
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.2 9.2 17.2

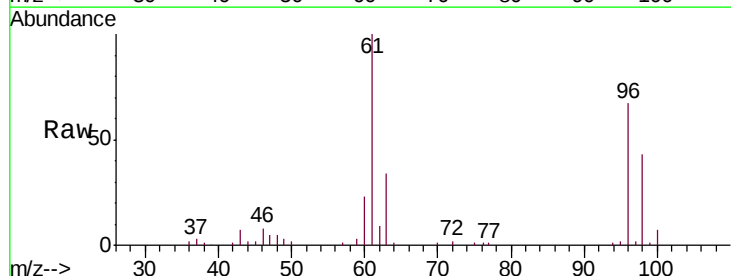


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

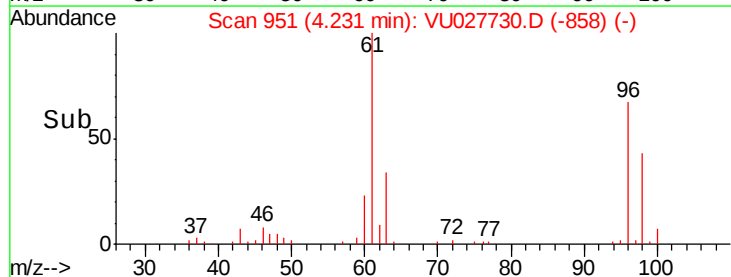
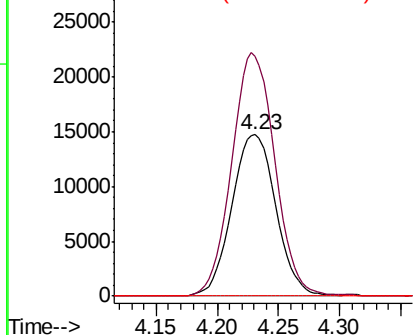


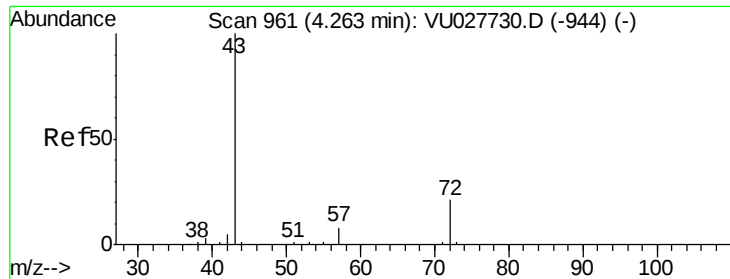
#20
 cis-1,2-Dichloroethene
 Concen: 48.000 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Tgt Ion: 96 Resp: 36935
 Ion Ratio Lower Upper
 96 100
 61 148.8 104.2 193.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 93.046 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

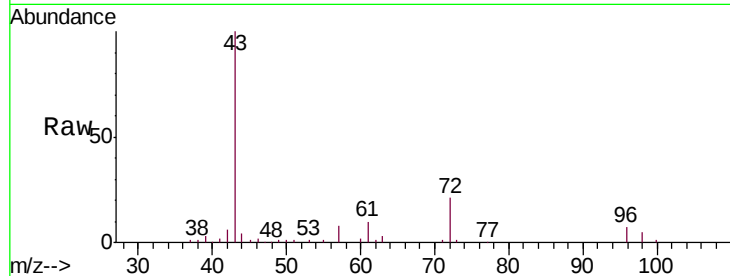
VSTD05054

Tgt Ion: 43 Resp: 67486

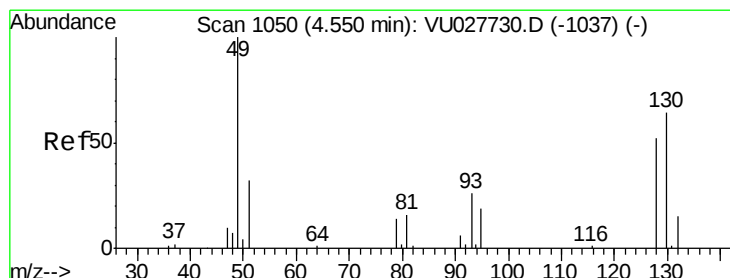
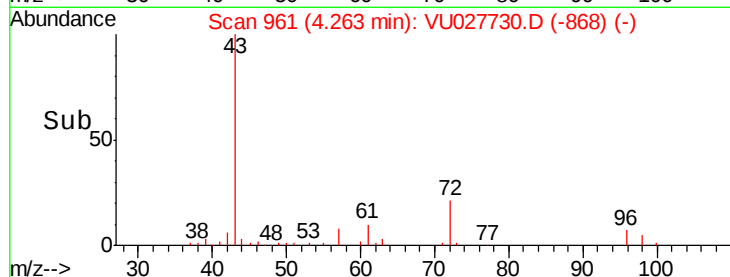
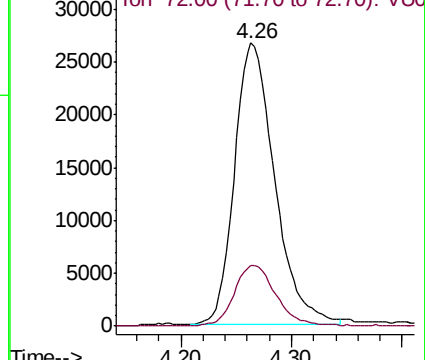
Ion Ratio Lower Upper

43 100

72 22.3 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027730.D (-944) (-)



#23

Bromochloromethane

Concen: 49.393 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Tgt Ion: 128 Resp: 17749

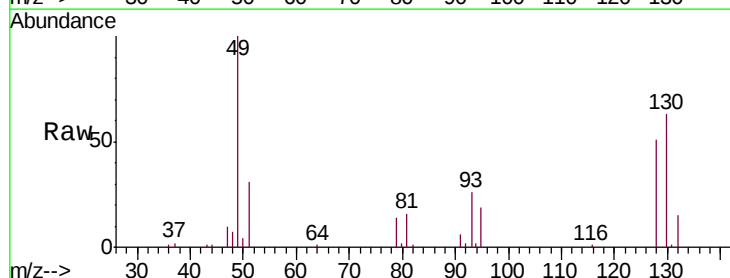
Ion Ratio Lower Upper

128 100

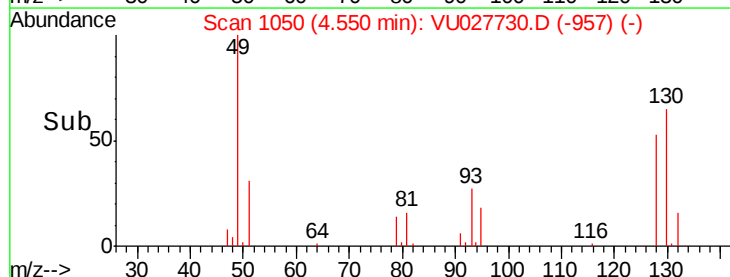
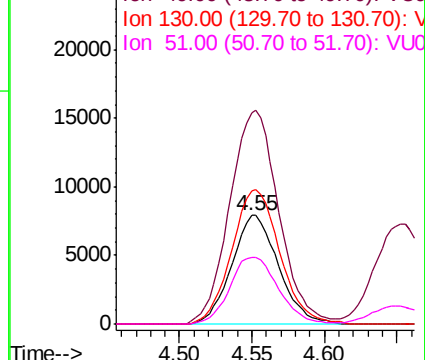
49 194.6 136.2 253.0

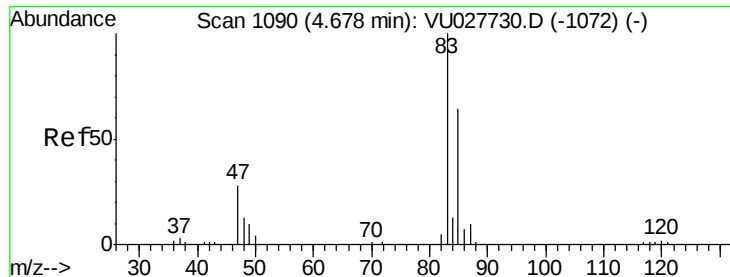
130 122.8 86.0 159.6

51 61.0 48.8 73.2



Abundance Ion 128.00 (127.70 to 128.70): VU027730.D (-1037) (-)

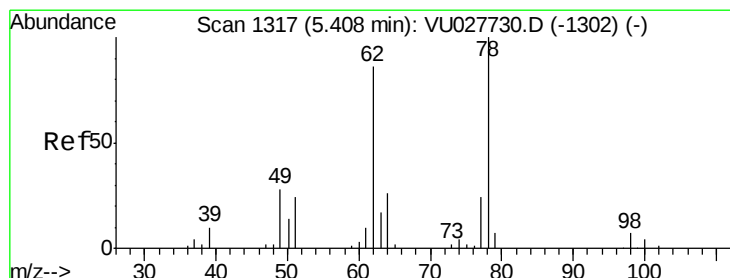
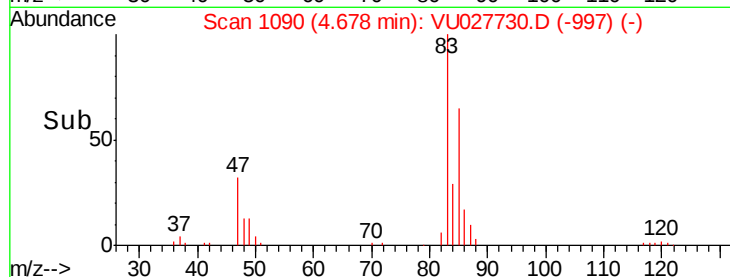
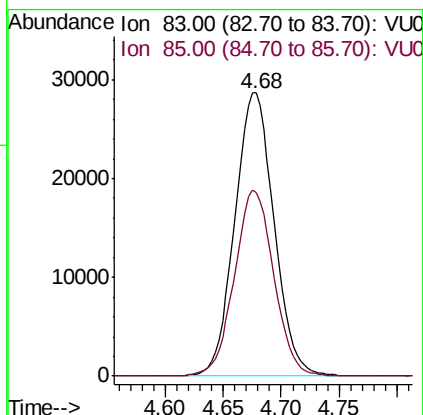
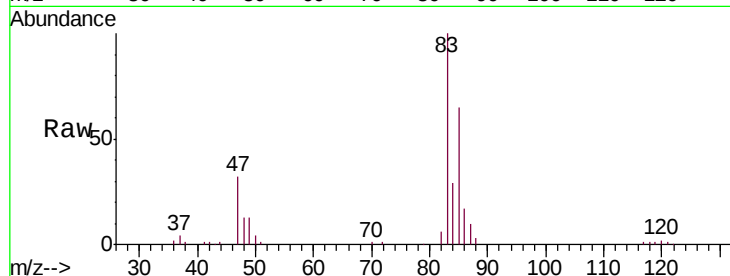




#25
Chloroform
Concen: 49.302 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

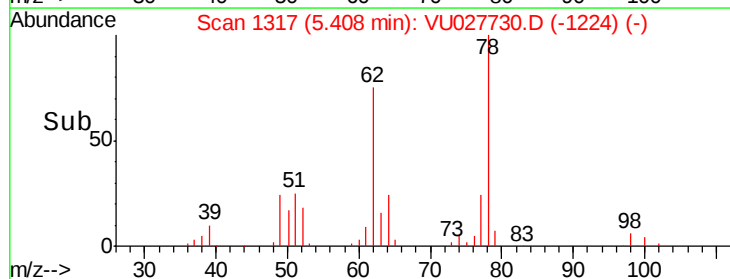
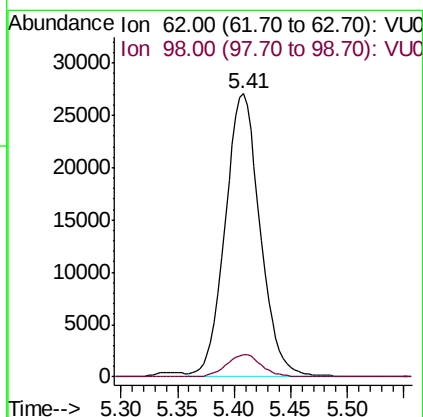
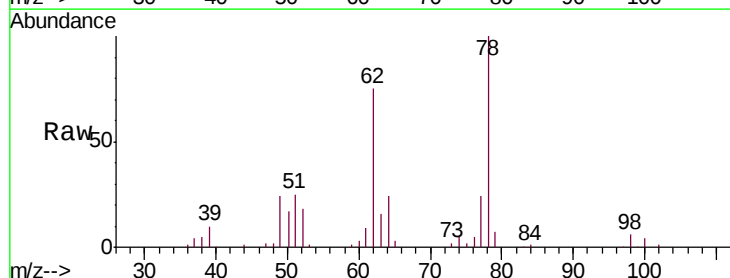
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

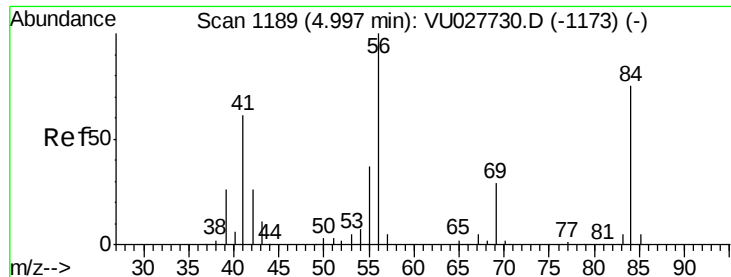
Tgt Ion: 83 Resp: 67542
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 48.964 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

Tgt Ion: 62 Resp: 58212
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5

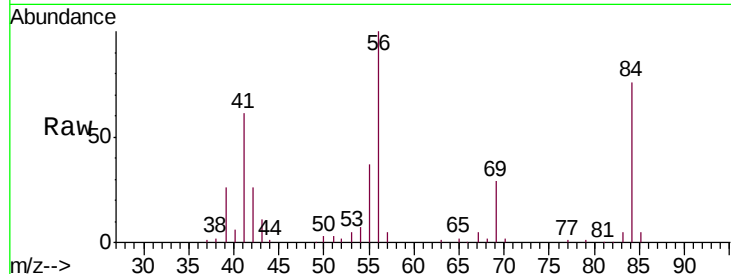




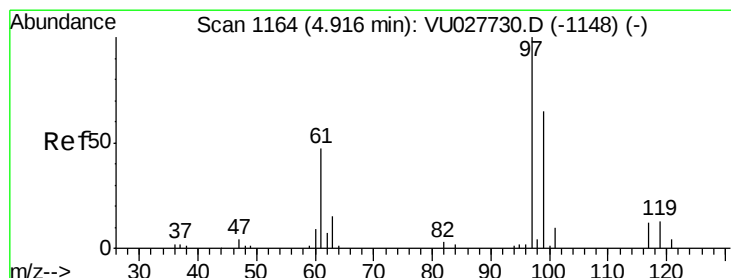
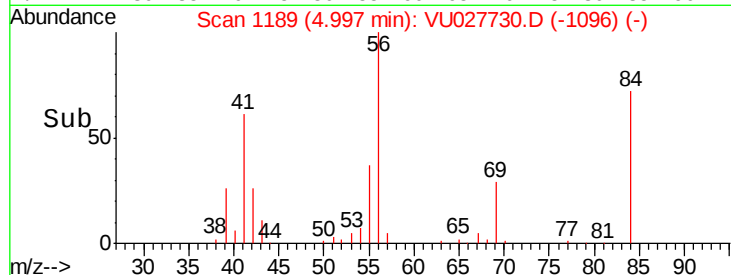
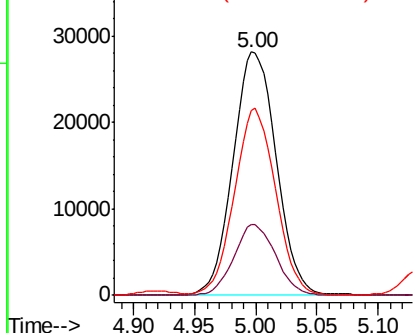
#29
Cyclohexane
Concen: 47.914 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion: 56 Resp: 69186
Ion Ratio Lower Upper
56 100
69 28.1 22.5 33.7
84 73.1 58.5 87.7

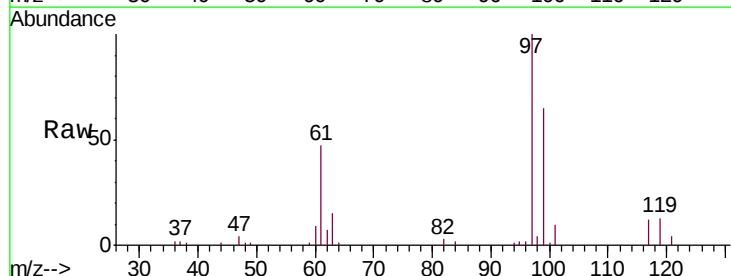


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

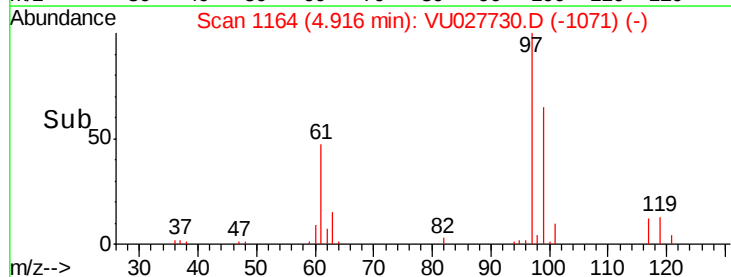
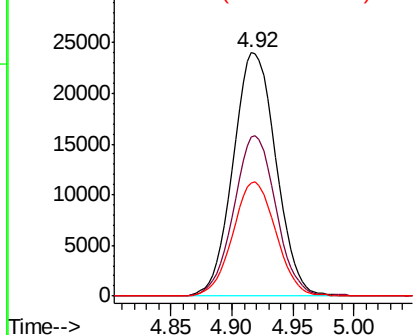


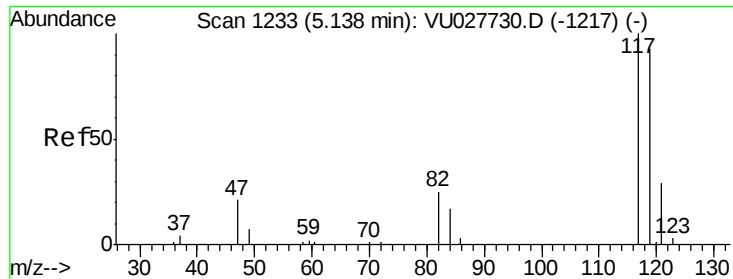
#30
1,1,1-Trichloroethane
Concen: 48.040 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

Tgt Ion: 97 Resp: 58661
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 46.9 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: 47.841 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

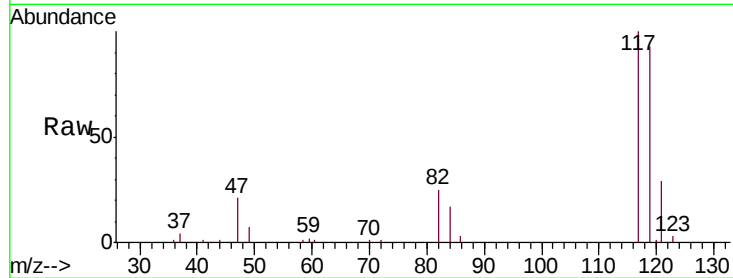
VSTD05054

Tgt Ion:117 Resp: 52570

Ion Ratio Lower Upper

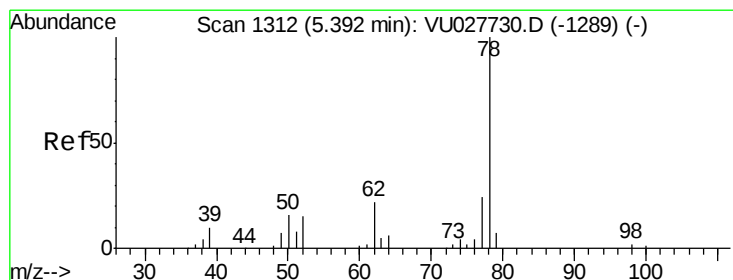
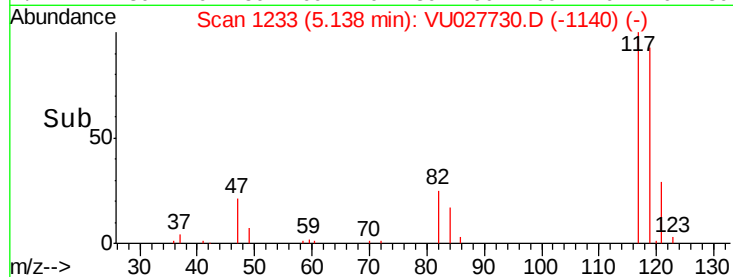
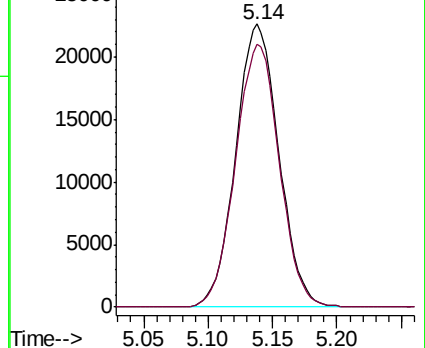
117 100

119 94.5 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: 49.484 ug/L

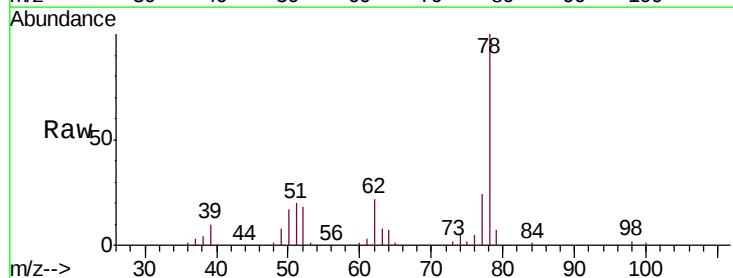
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

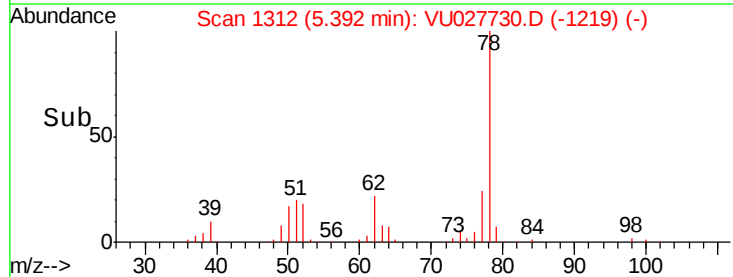
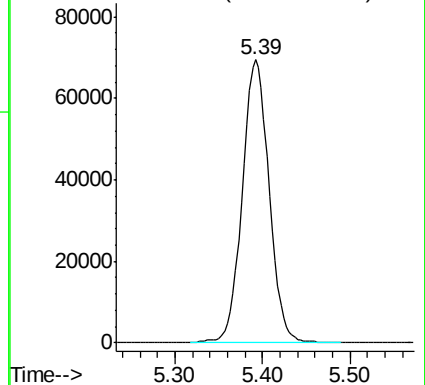
Lab File: VU027730.D

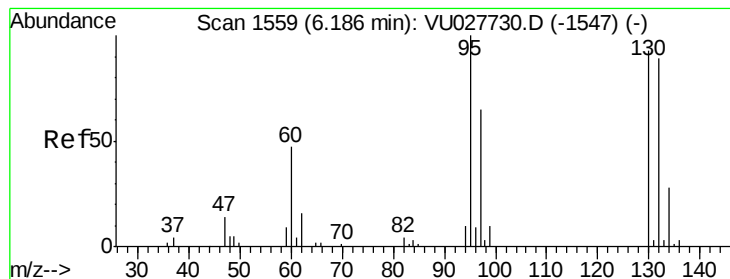
Acq: 22 Oct 2018 09:28

Tgt Ion: 78 Resp: 148298



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.632 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 95 Resp: 35736

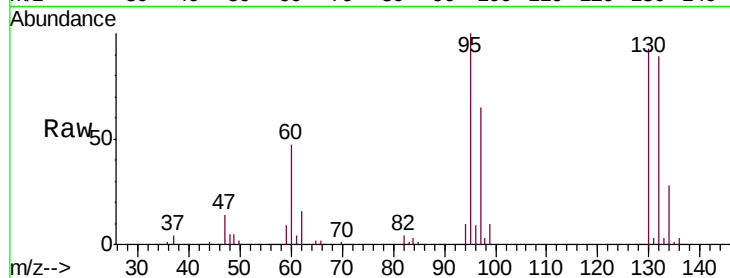
Ion Ratio Lower Upper

95 100

97 65.5 45.8 85.2

132 88.7 62.1 115.3

130 92.8 65.0 120.6

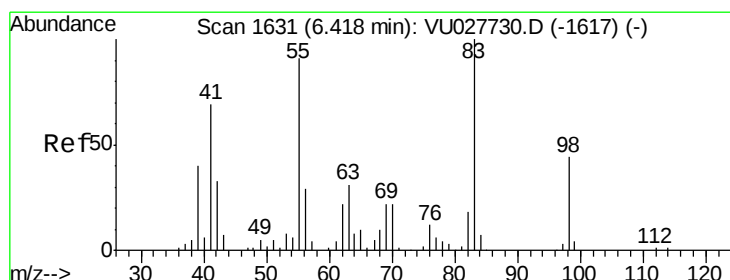
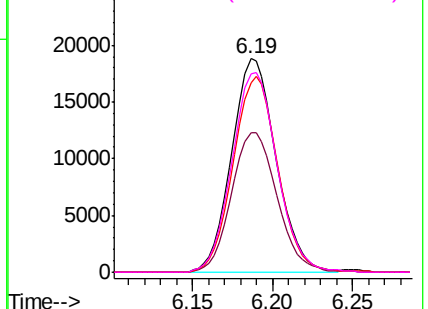
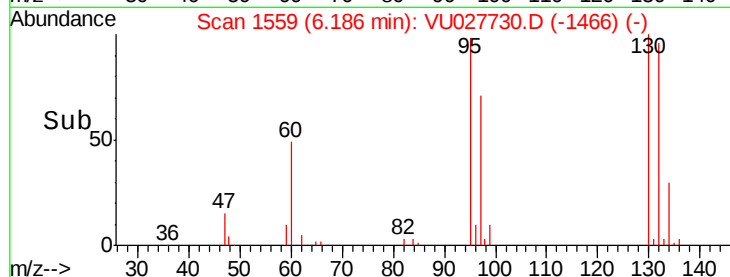


Abundance Ion 95.00 (94.70 to 95.70): VU027730.D (-1547) (-)

Ion 97.00 (96.70 to 97.70): VU027730.D (-1547) (-)

Ion 132.00 (131.70 to 132.70): VU027730.D (-1547) (-)

Ion 130.00 (129.70 to 130.70): VU027730.D (-1547) (-)



#35

Methylcyclohexane

Concen: 47.723 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

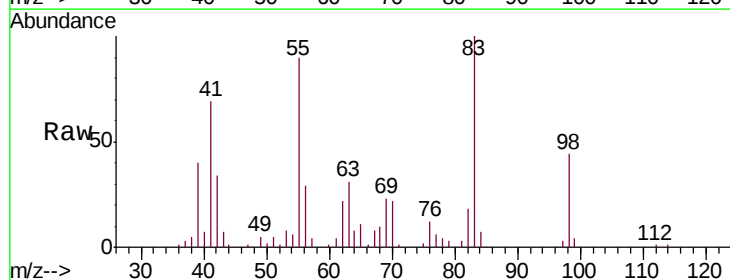
Tgt Ion: 83 Resp: 61921

Ion Ratio Lower Upper

83 100

55 89.9 71.9 107.9

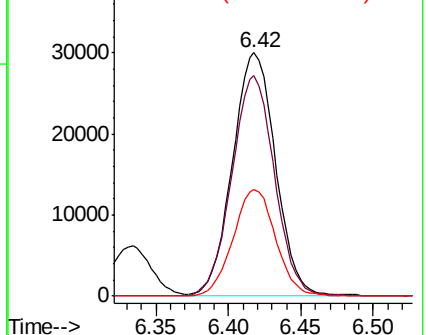
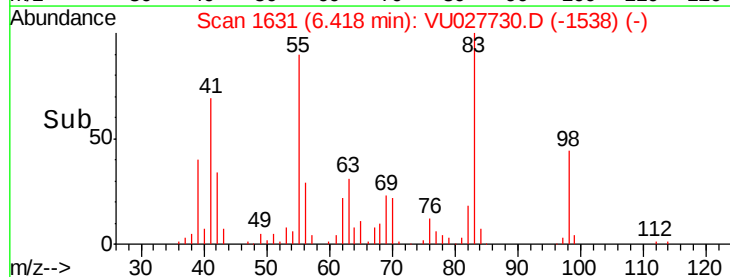
98 43.3 34.6 52.0

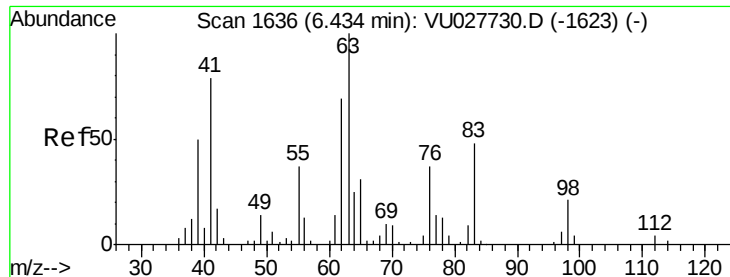


Abundance Ion 83.00 (82.70 to 83.70): VU027730.D (-1617) (-)

Ion 55.00 (54.70 to 55.70): VU027730.D (-1617) (-)

Ion 98.00 (97.70 to 98.70): VU027730.D (-1617) (-)

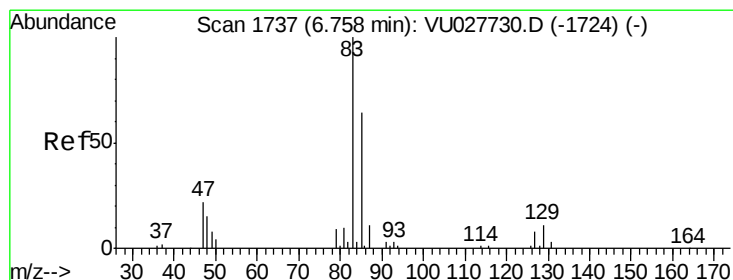
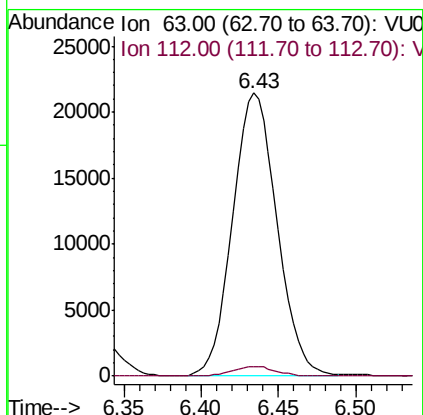
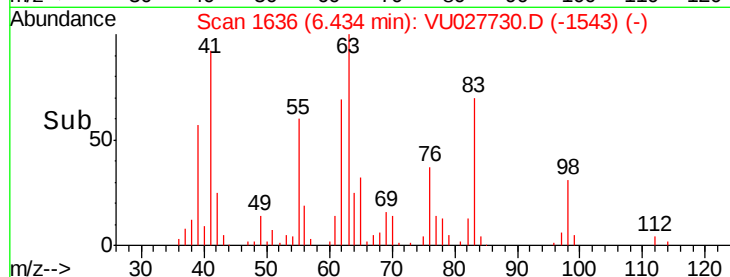
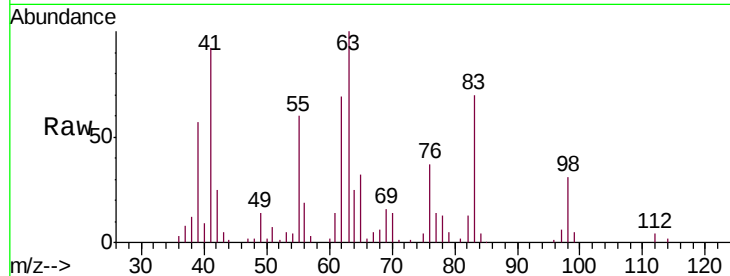




#37
 1,2-Dichloropropane
 Concen: 48.328 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

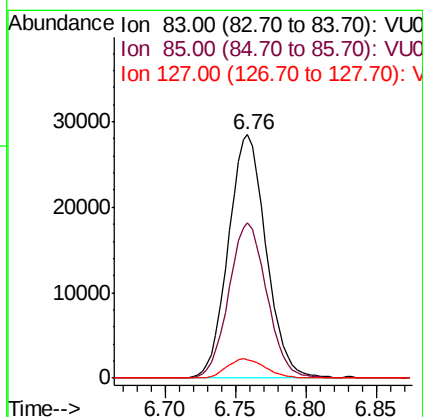
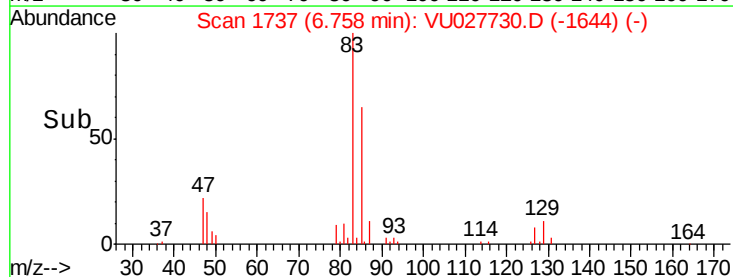
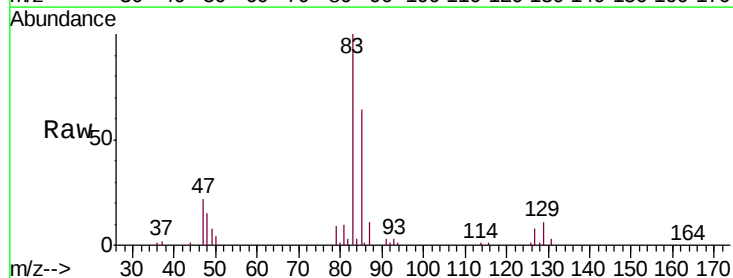
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

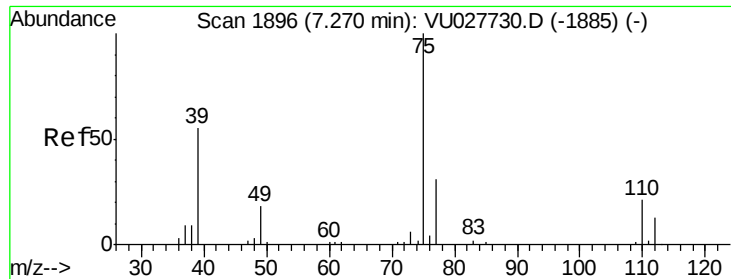
Tgt Ion: 63 Resp: 42793
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.6 3.8



#38
 Bromodichloromethane
 Concen: 48.514 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Tgt Ion: 83 Resp: 53383
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 7.7 6.2 9.2

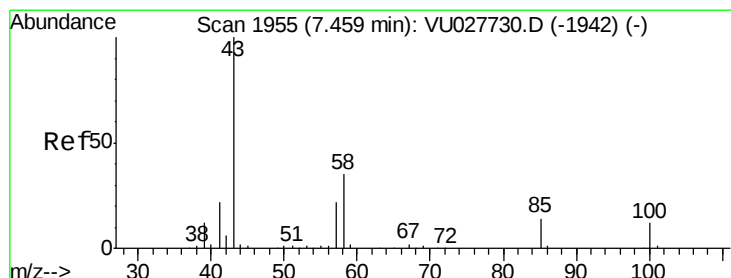
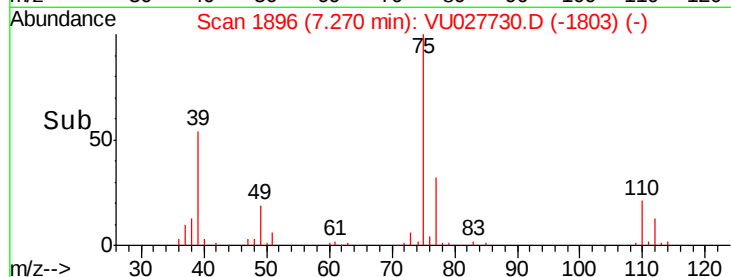
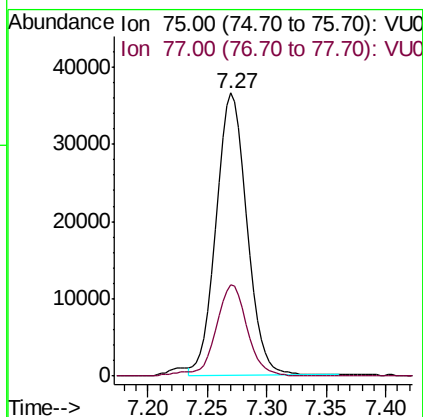
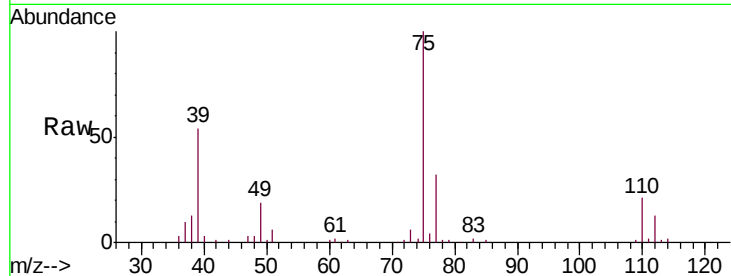




#39
 cis-1,3-Dichloropropene
 Concen: 48.204 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

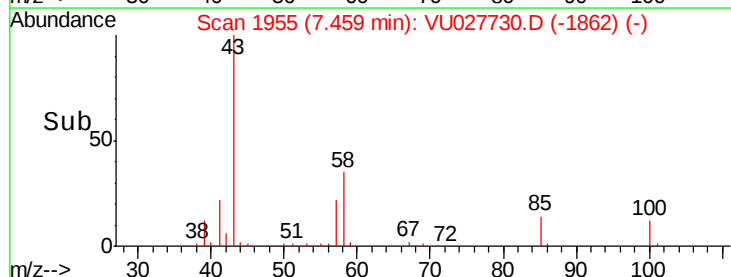
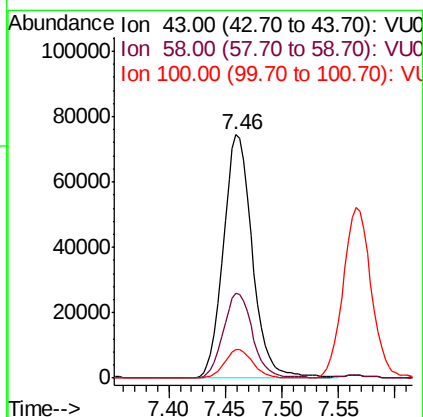
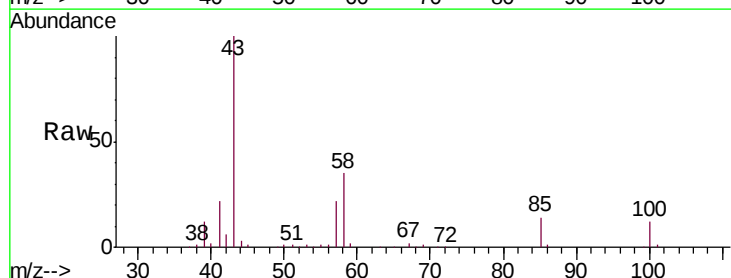
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

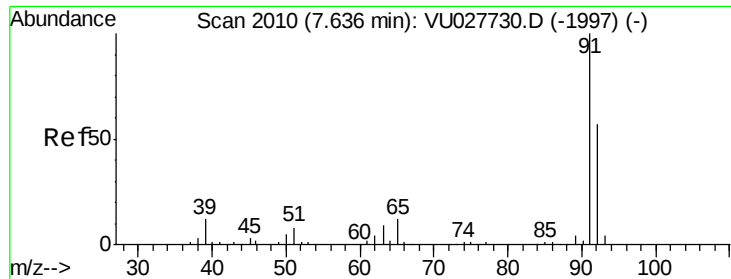
Tgt Ion: 75 Resp: 65722
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 93.746 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Tgt Ion: 43 Resp: 133411
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.3 42.5
 100 11.4 9.1 13.7





#42

Toluene

Concen: 47.896 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

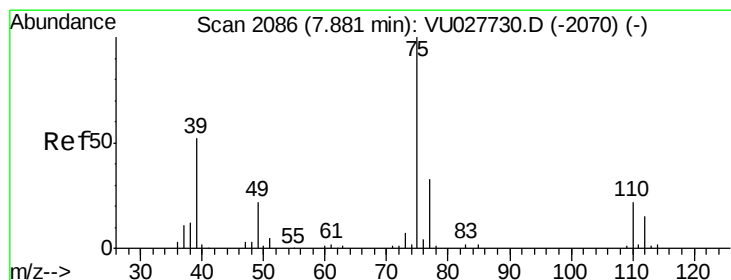
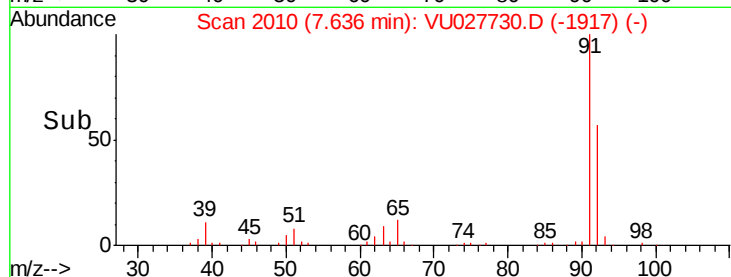
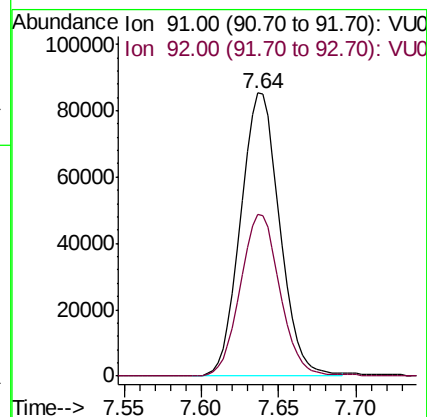
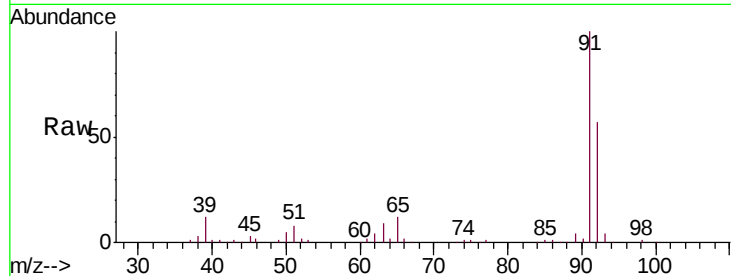
VSTD05054

Tgt Ion: 91 Resp: 150324

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 48.096 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027730.D

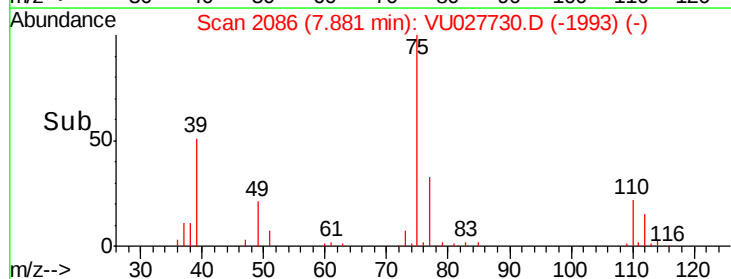
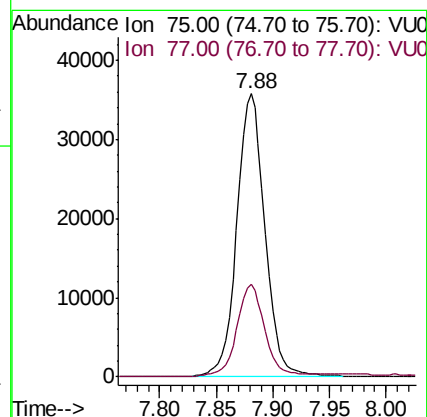
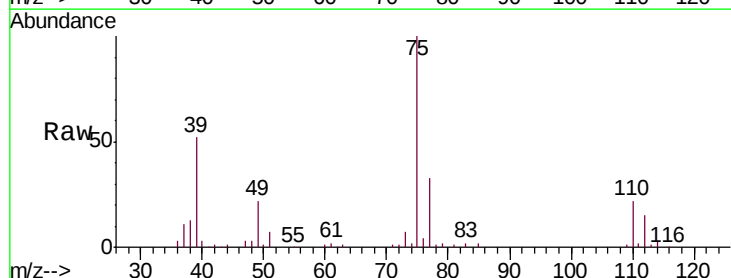
Acq: 22 Oct 2018 09:28

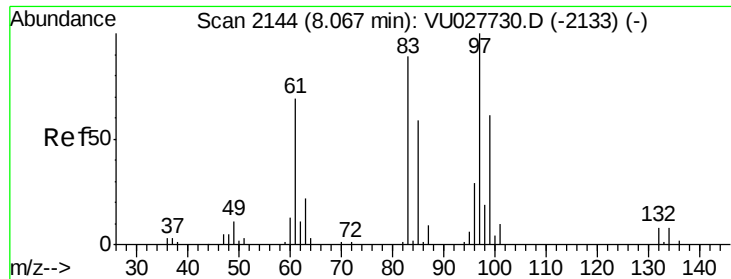
Tgt Ion: 75 Resp: 62030

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4

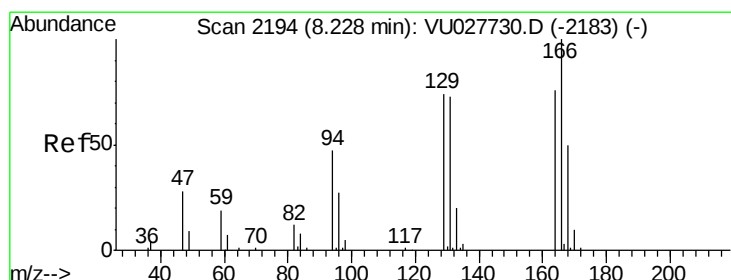
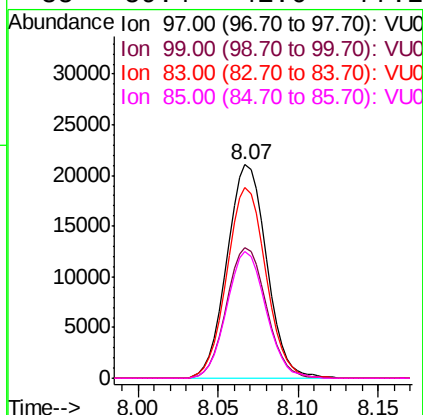
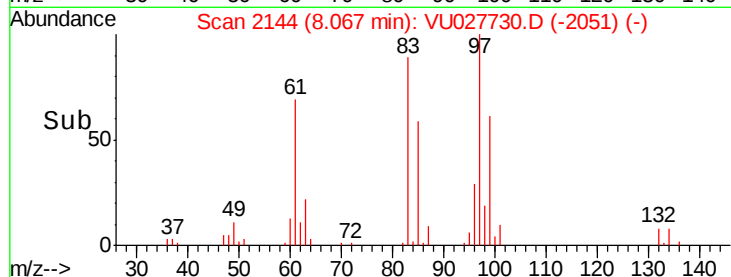
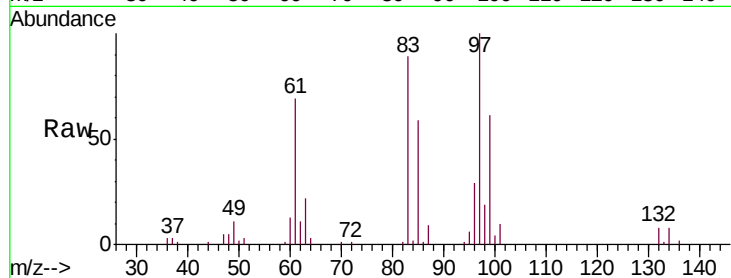




#45
 1,1,2-Trichloroethane
 Concen: 48.834 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

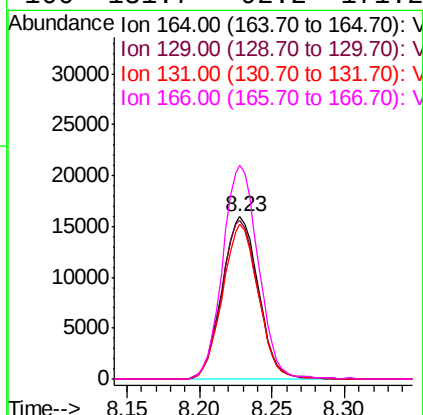
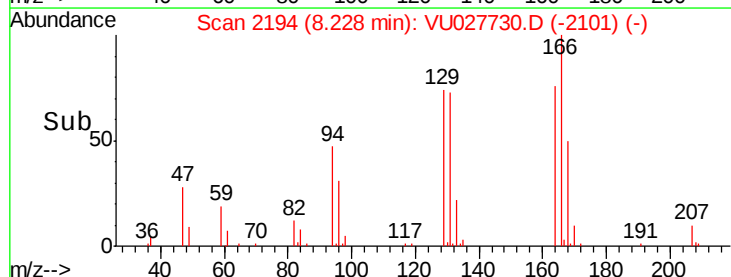
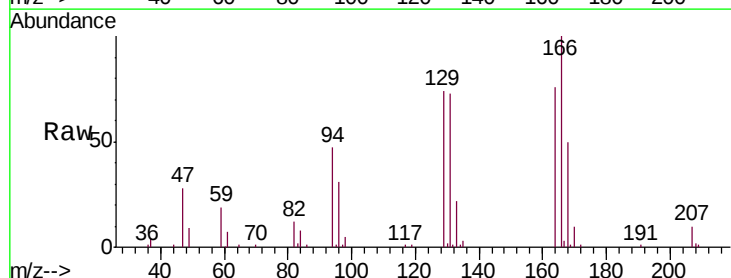
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

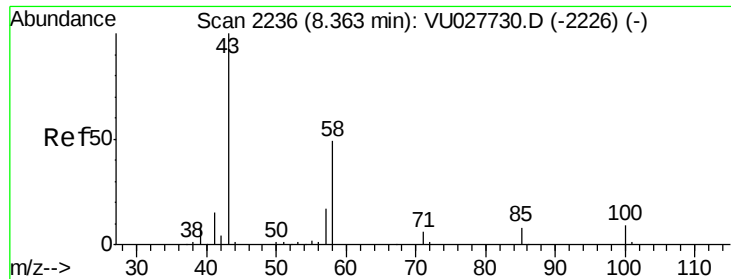
Tgt Ion:	97	Resp:	35717
Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.6	79.2
83	89.1	62.4	115.8
85	59.4	41.6	77.2



#46
 Tetrachloroethene
 Concen: 47.984 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Tgt Ion:	164	Resp:	27802
Ion	Ratio	Lower	Upper
164	100		
129	97.9	68.5	127.3
131	95.8	67.1	124.5
166	131.7	92.2	171.2

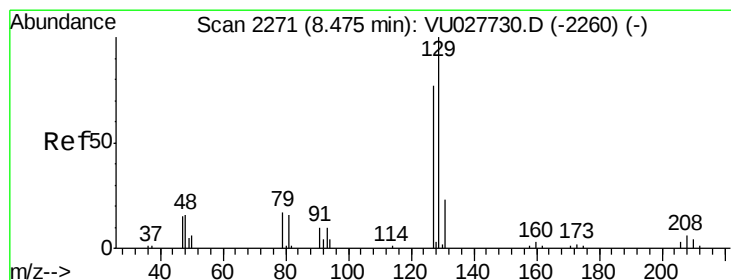
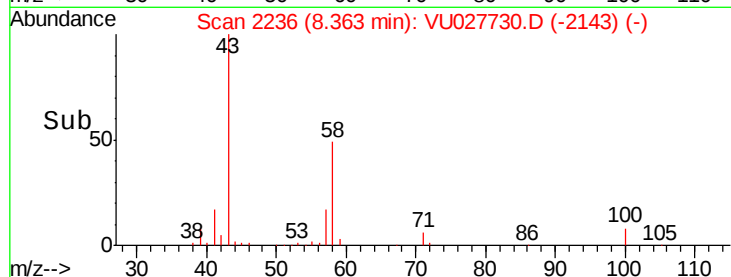
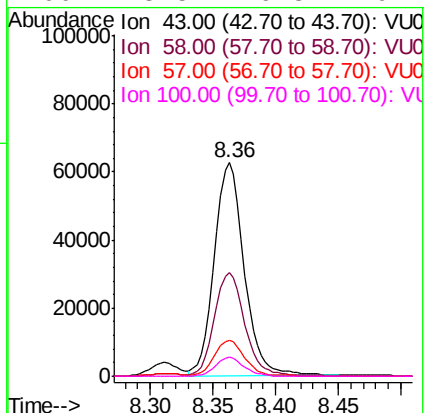
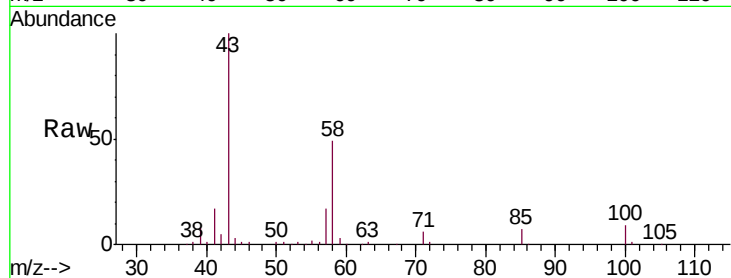




#48
2-Hexanone
Concen: 93.462 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

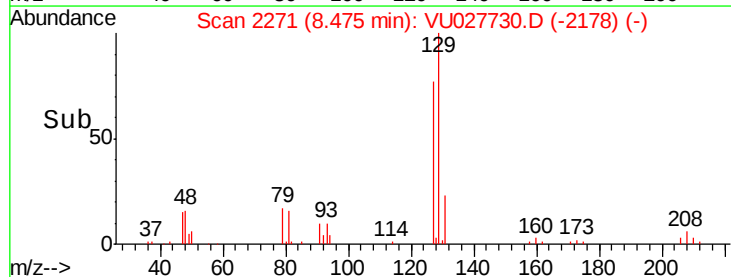
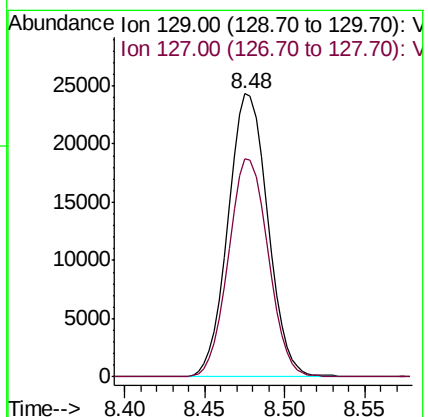
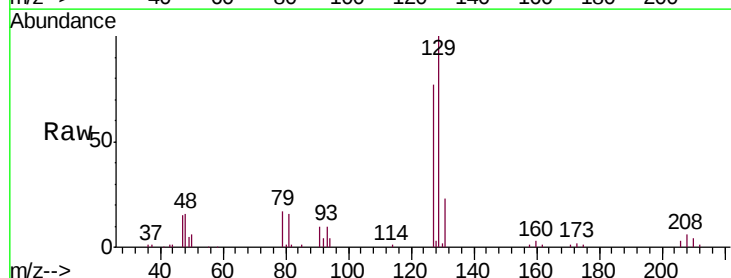
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

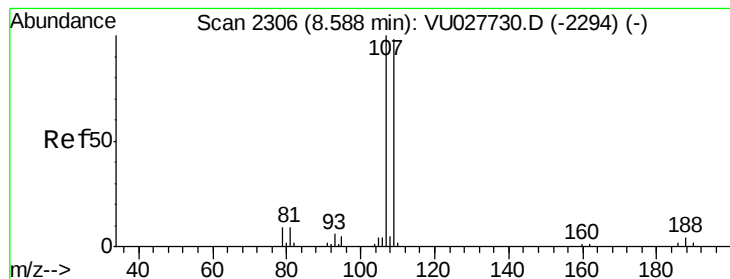
Tgt Ion: 43 Resp: 103148
Ion Ratio Lower Upper
43 100
58 48.5 38.8 58.2
57 16.4 13.1 19.7
100 8.5 6.8 10.2



#49
Dibromochloromethane
Concen: 47.557 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

Tgt Ion: 129 Resp: 41216
Ion Ratio Lower Upper
129 100
127 77.3 54.1 100.5





#50

1,2-Dibromoethane

Concen: 47.722 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

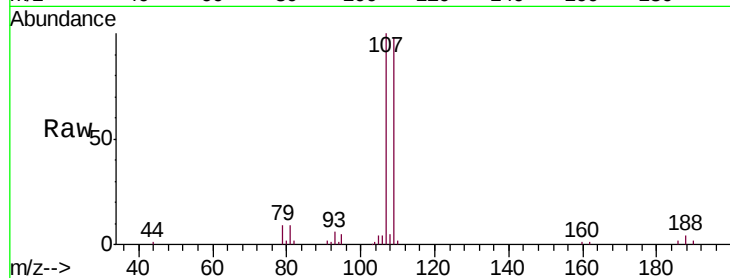
Tgt Ion:107 Resp: 37254

Ion Ratio Lower Upper

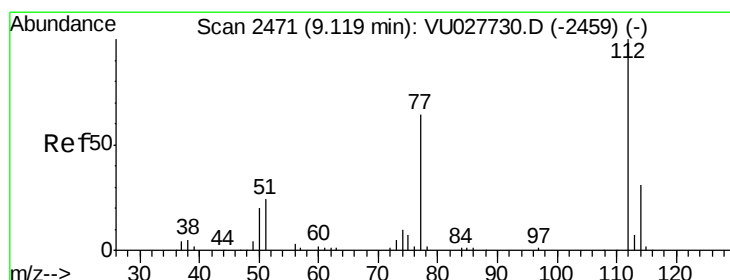
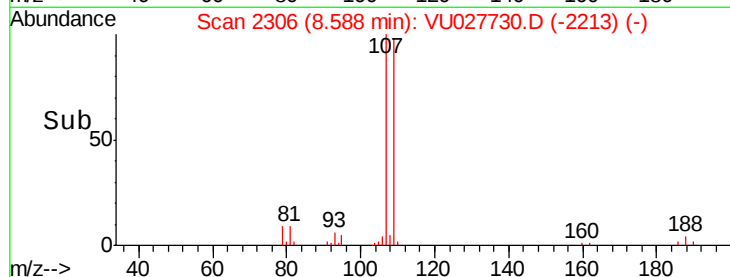
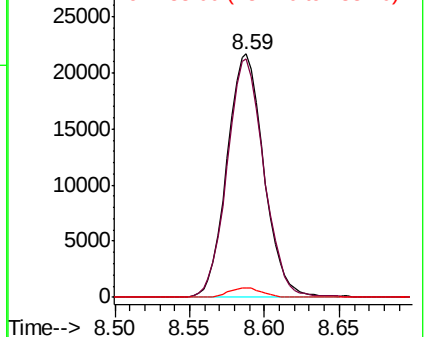
107 100

109 97.7 68.4 127.0

188 4.1 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: 48.106 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

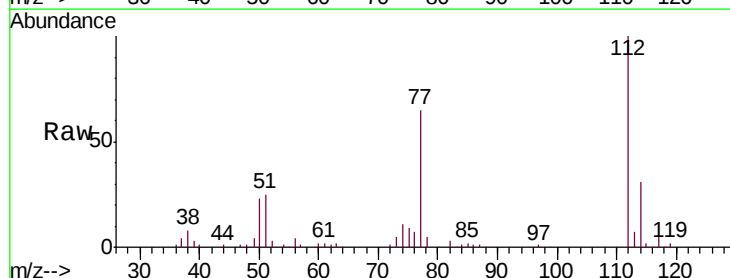
Tgt Ion:112 Resp: 92564

Ion Ratio Lower Upper

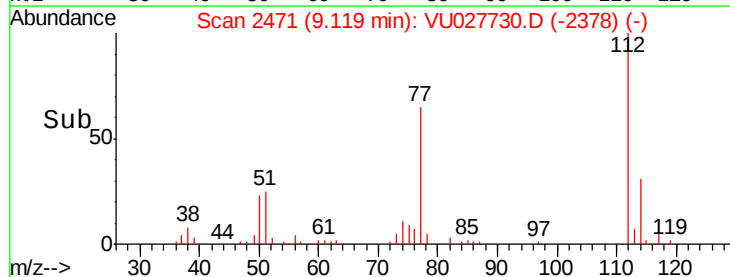
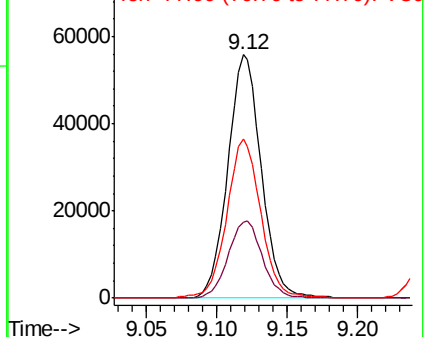
112 100

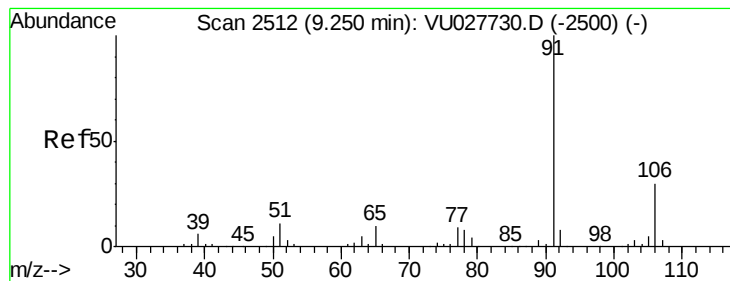
114 31.3 21.9 40.7

77 65.2 52.2 78.2



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





#52

Ethylbenzene

Concen: 48.209 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

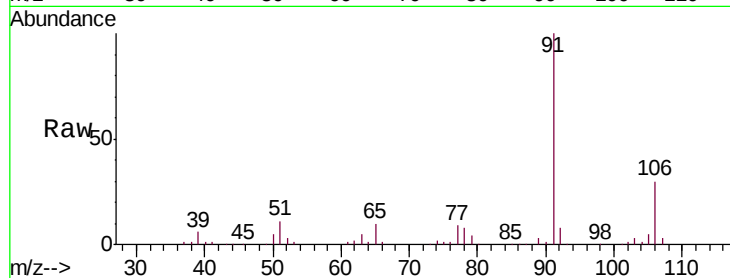
VSTD05054

Tgt Ion: 91 Resp: 171150

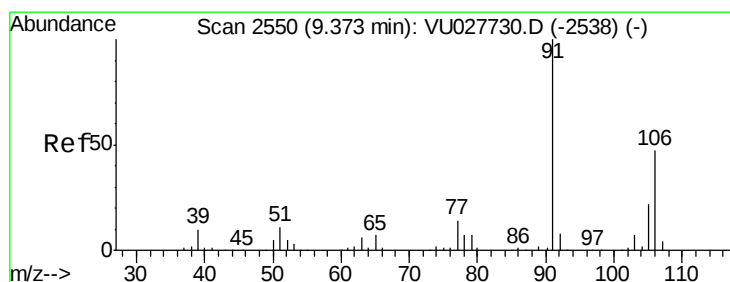
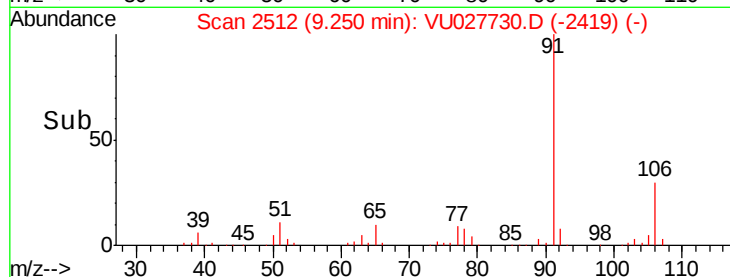
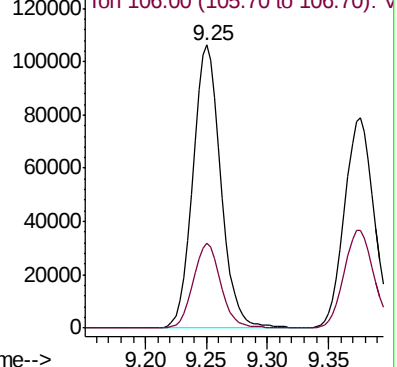
Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.7



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



#53

m,p-Xylene

Concen: 47.876 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU027730.D

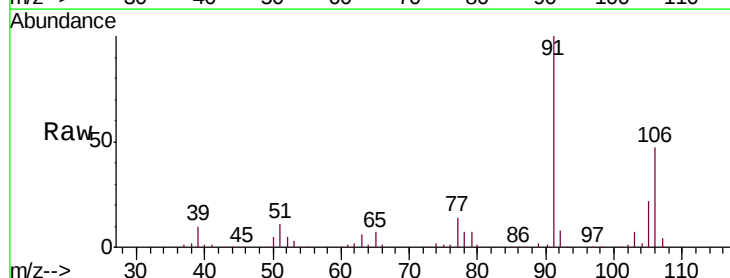
Acq: 22 Oct 2018 09:28

Tgt Ion: 106 Resp: 61401

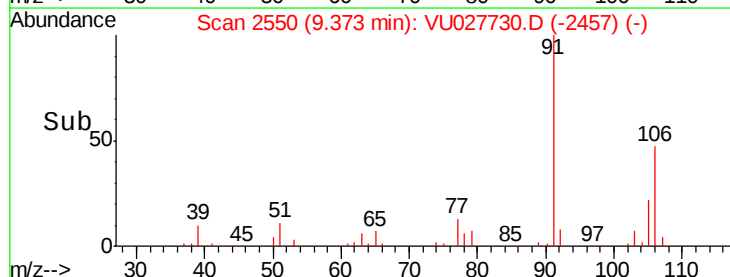
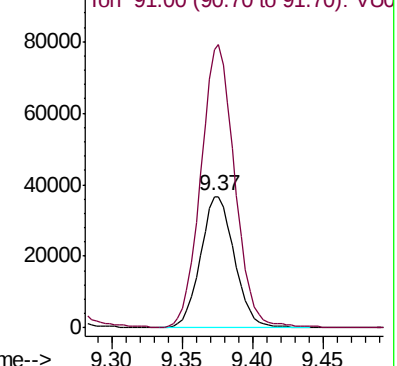
Ion Ratio Lower Upper

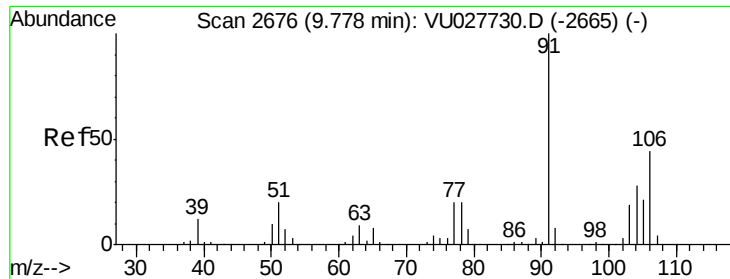
106 100

91 211.3 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027730.D (-2550) (-)

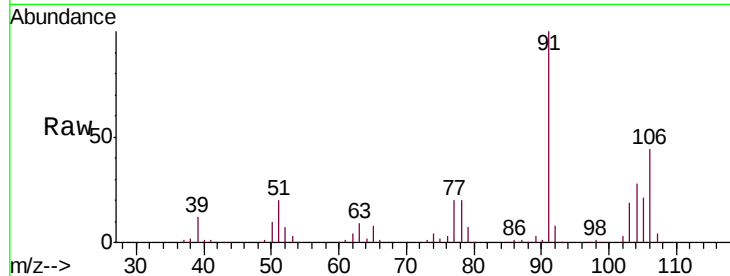




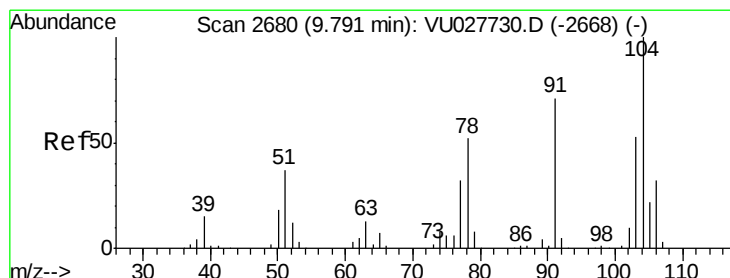
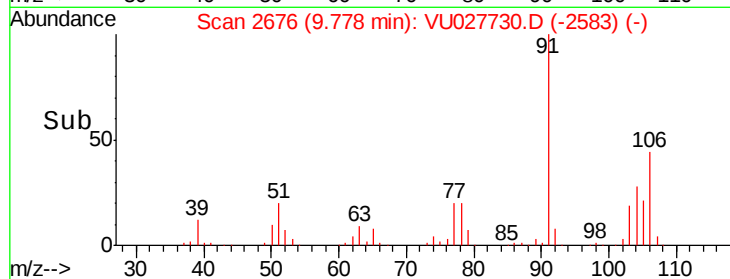
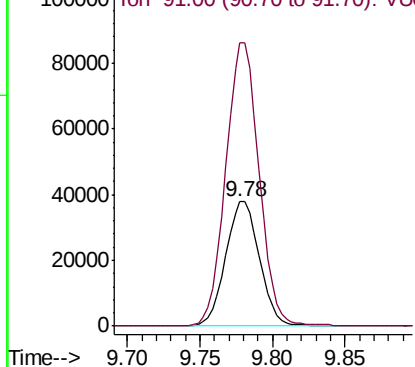
#54
o-xylene
Concen: 47.925 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion:106 Resp: 61268
Ion Ratio Lower Upper
106 100
91 227.7 159.4 296.0

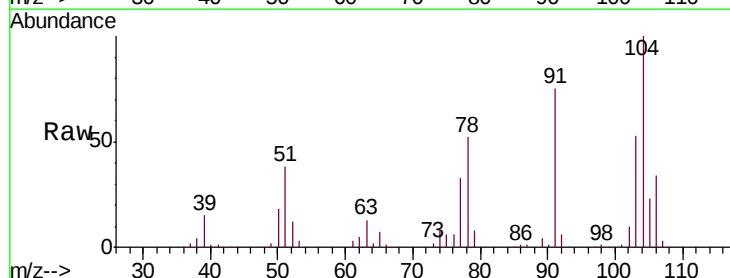


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

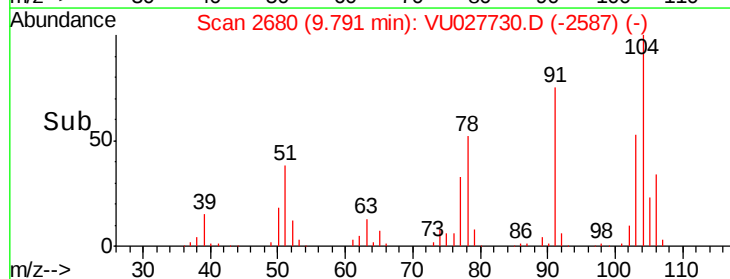
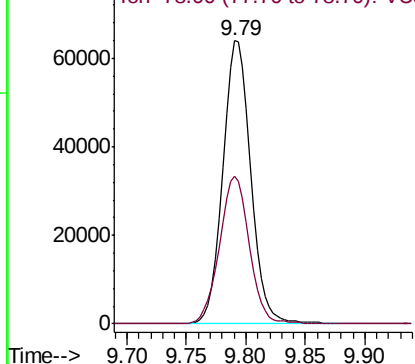


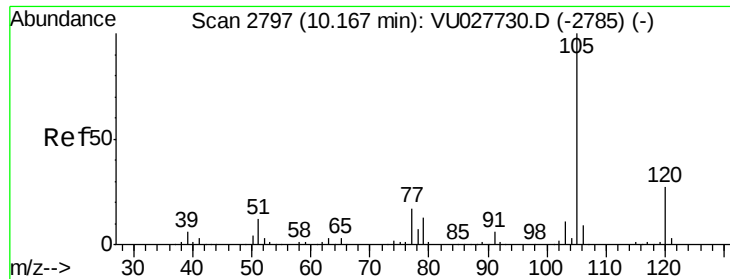
#55
Styrene
Concen: 47.929 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU027730.D
Acq: 22 Oct 2018 09:28

Tgt Ion:104 Resp: 104294
Ion Ratio Lower Upper
104 100
78 52.2 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: 47.664 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

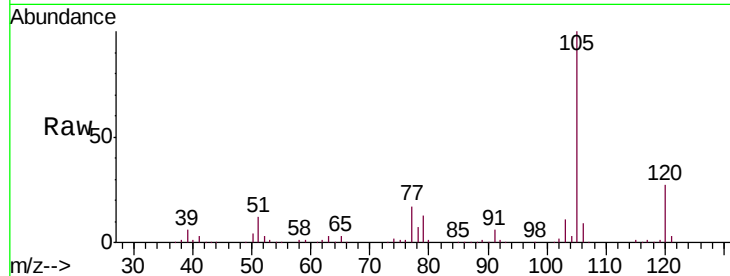
Tgt Ion: 105 Resp: 161373

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

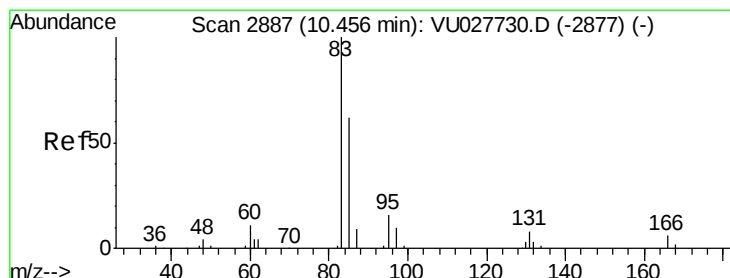
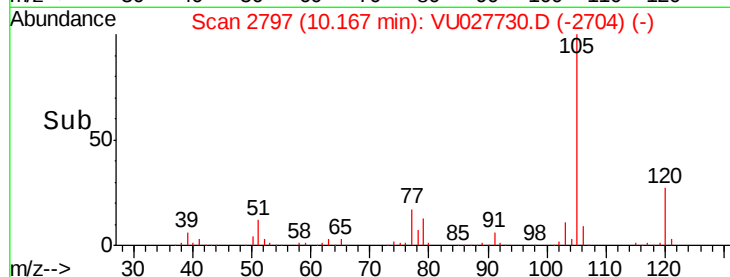
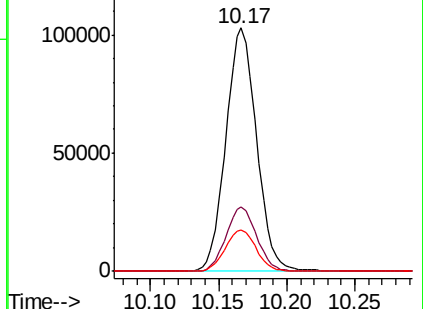
77 17.1 13.7 20.5



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: 46.852 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

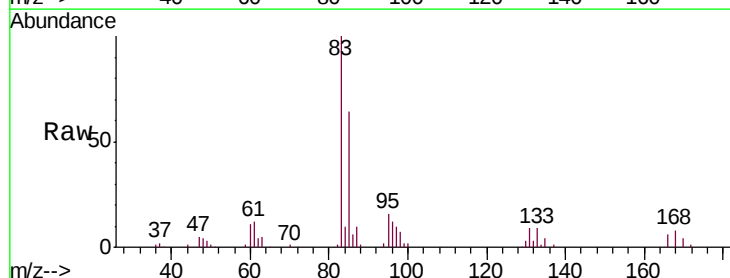
Tgt Ion: 83 Resp: 60937

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

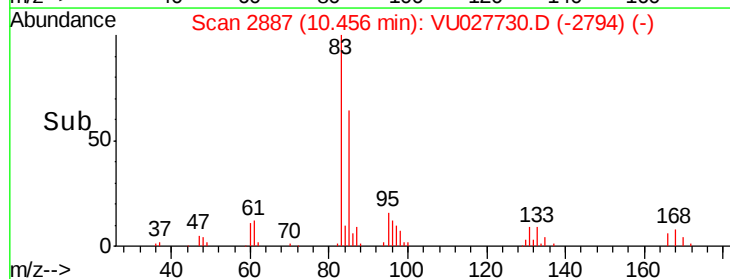
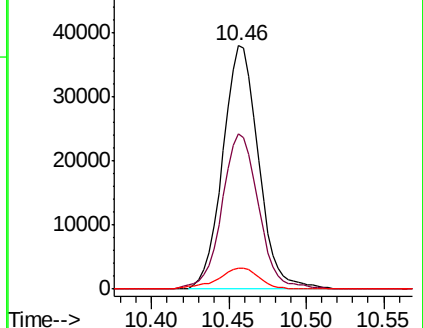
131 8.6 6.9 10.3

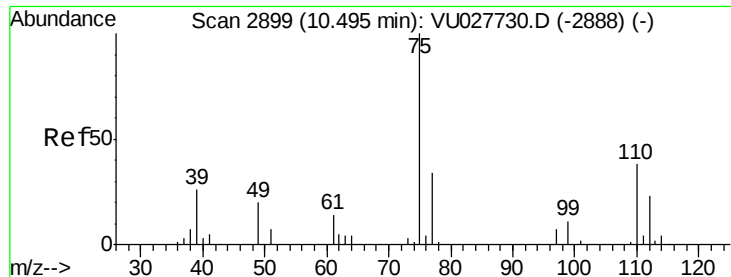


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

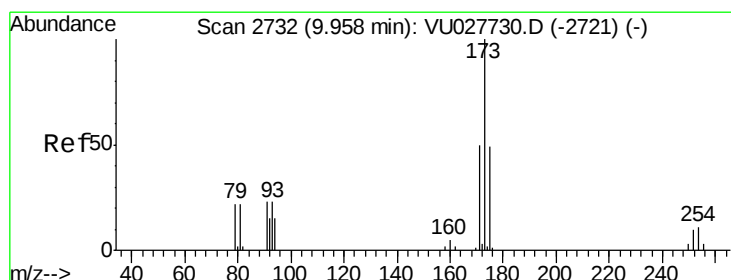
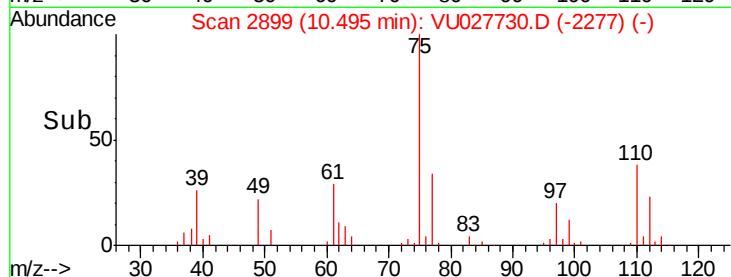
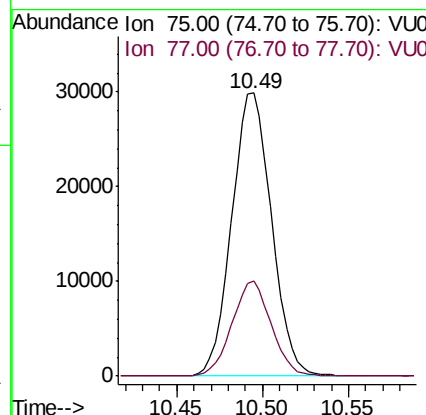
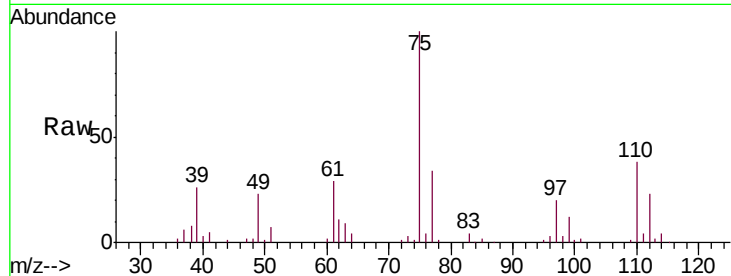




#59
 1,2,3-Trichloropropane
 Concen: 45.932 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

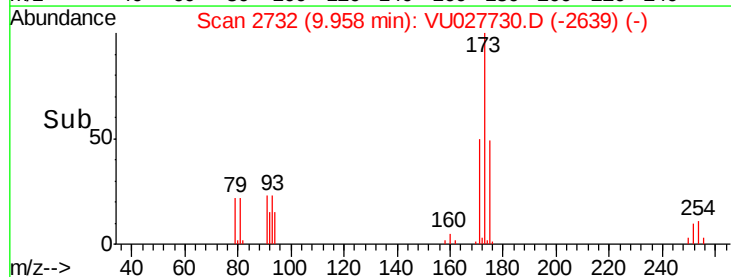
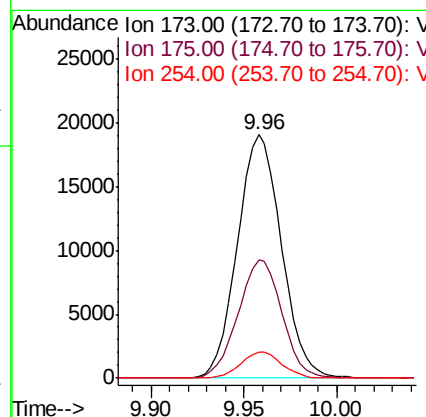
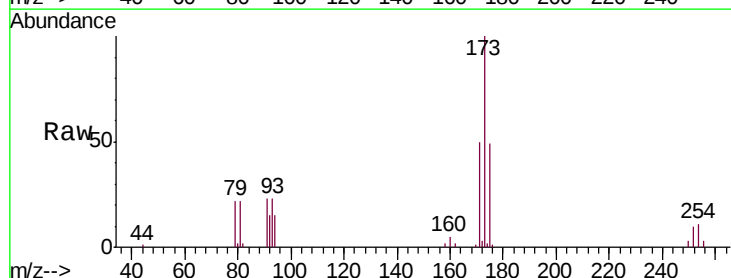
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

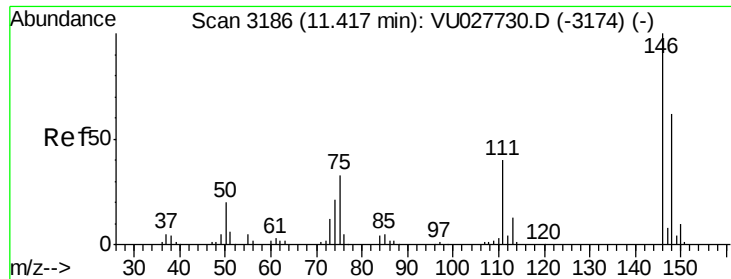
Tgt Ion: 75 Resp: 48067
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.5 39.7



#61
 Bromoform
 Concen: 49.067 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Tgt Ion: 173 Resp: 31459
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 58.0
 254 9.9 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 48.889 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

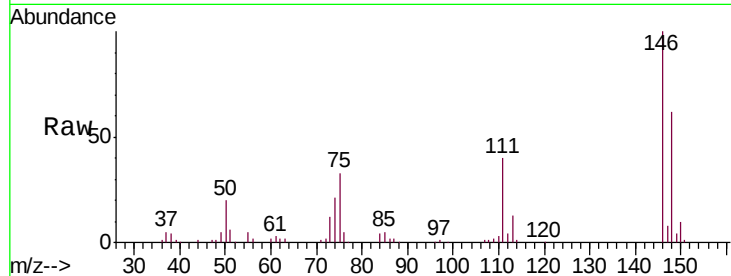
Tgt Ion:146 Resp: 70506

Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.3

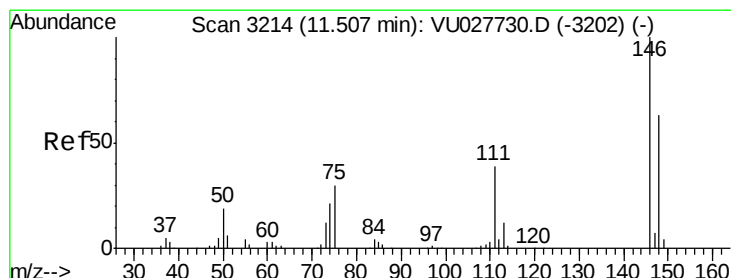
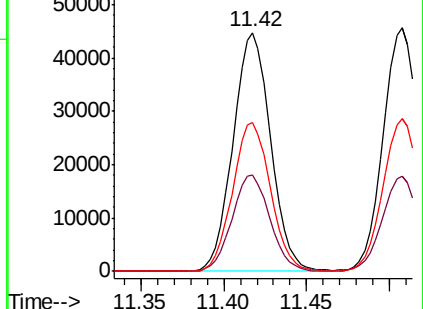
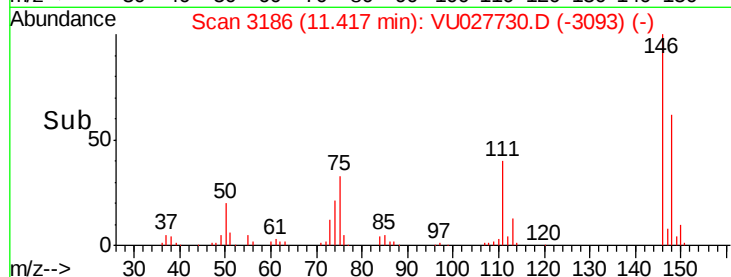
148 62.4 43.7 81.1



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: 47.822 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

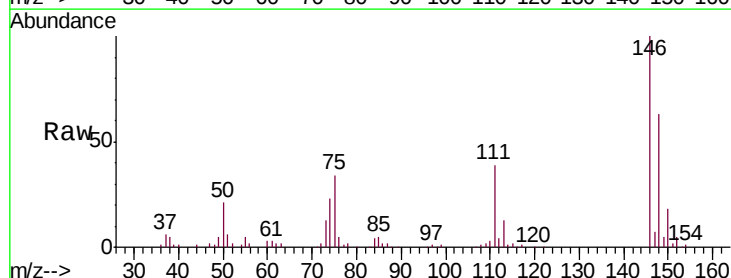
Tgt Ion:146 Resp: 70325

Ion Ratio Lower Upper

146 100

111 39.3 27.5 51.1

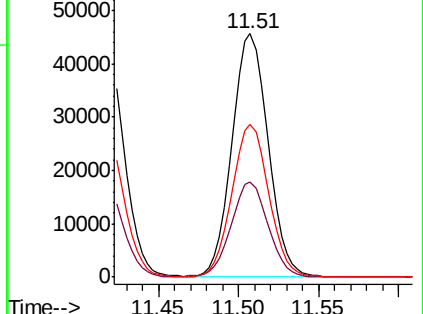
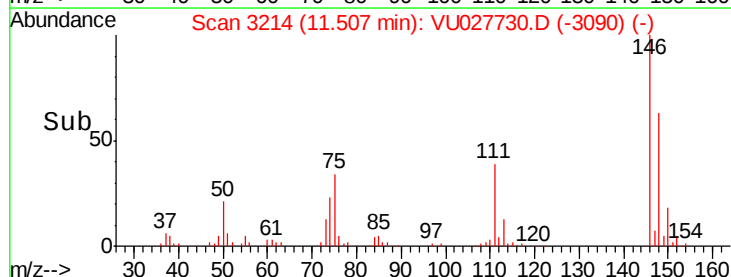
148 63.0 44.1 81.9

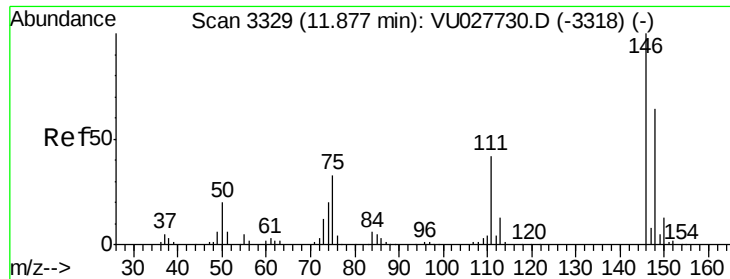


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

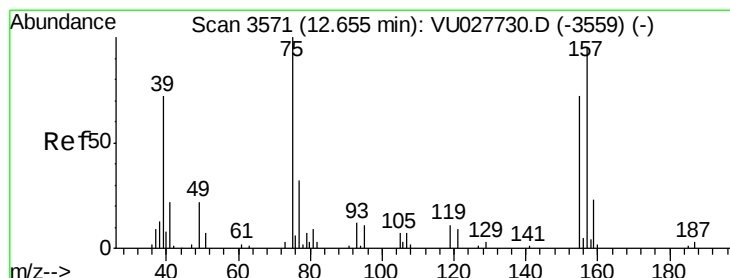
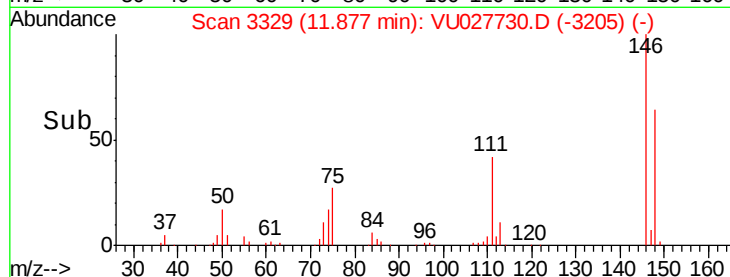
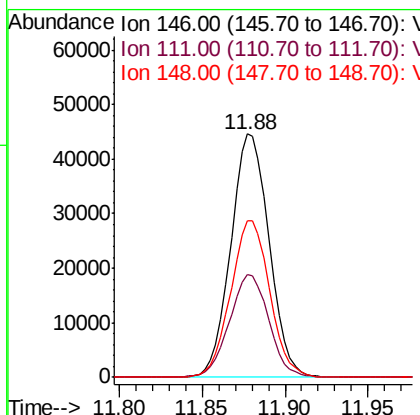
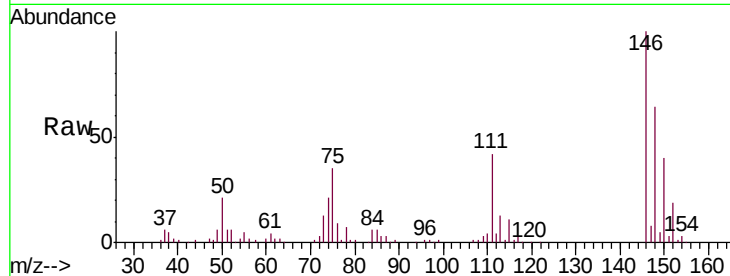




#65
 1,2-Dichlorobenzene
 Concen: 48.311 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

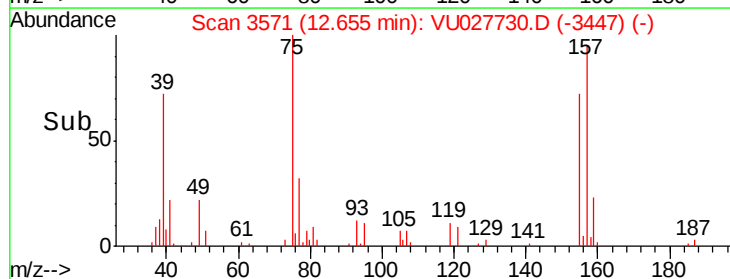
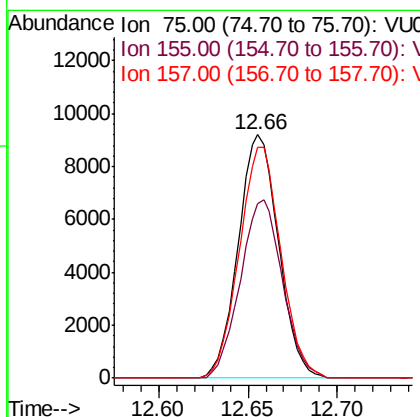
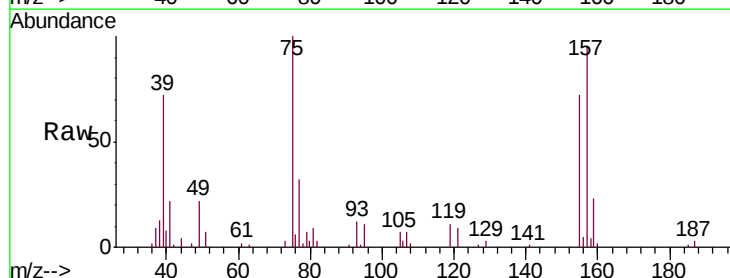
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

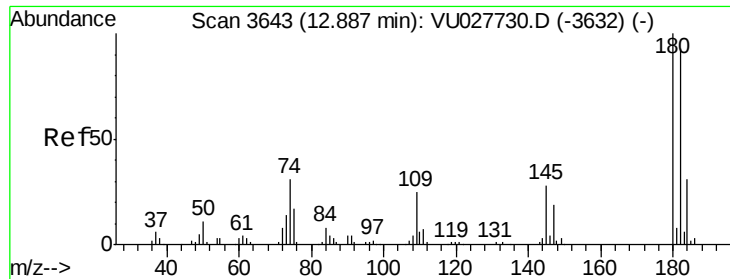
Tgt Ion: 146 Resp: 71662
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.8 50.8
 148 64.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.016 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Tgt Ion: 75 Resp: 14532
 Ion Ratio Lower Upper
 75 100
 155 71.8 57.4 86.2
 157 94.9 75.9 113.9

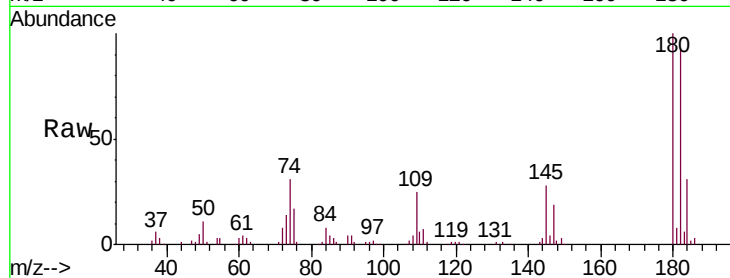




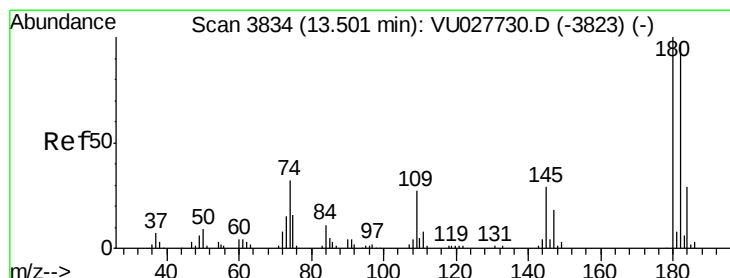
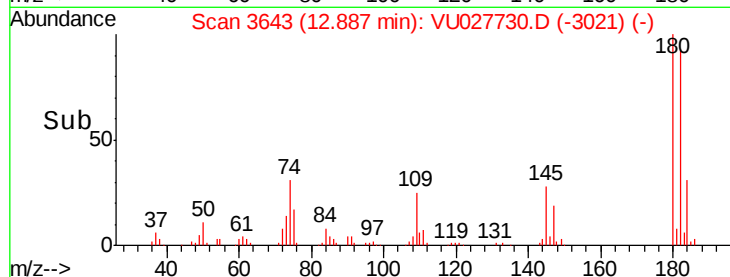
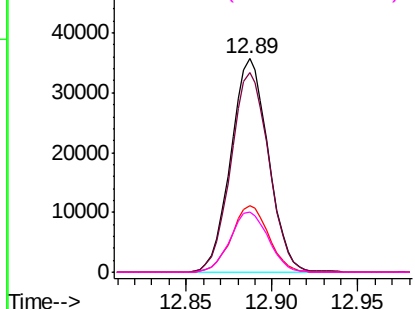
#67
 1,3,5-Trichlorobenzene
 Concen: 48.788 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion:180 Resp: 54419
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 184 30.9 24.7 37.1
 145 28.7 23.0 34.4

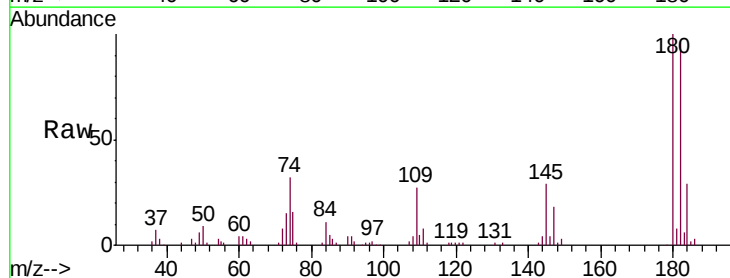


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

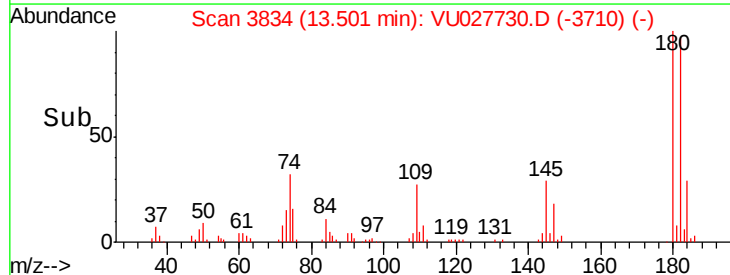
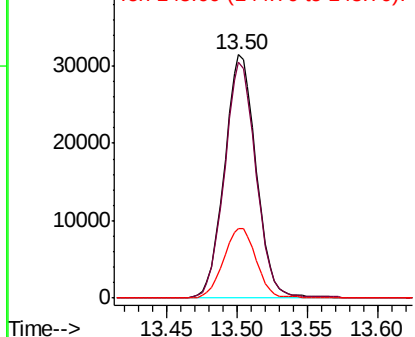


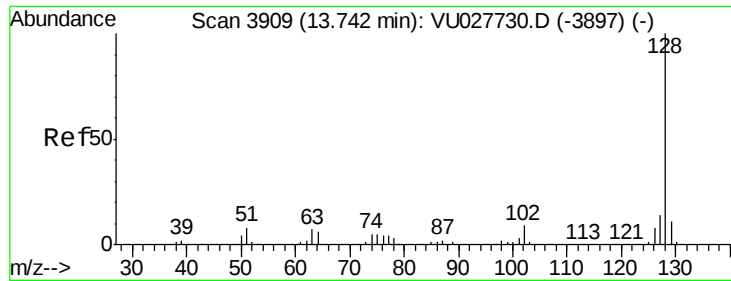
#68
 1,2,4-trichlorobenzene
 Concen: 49.797 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027730.D
 Acq: 22 Oct 2018 09:28

Tgt Ion:180 Resp: 49310
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 145 29.2 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: 50.056 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

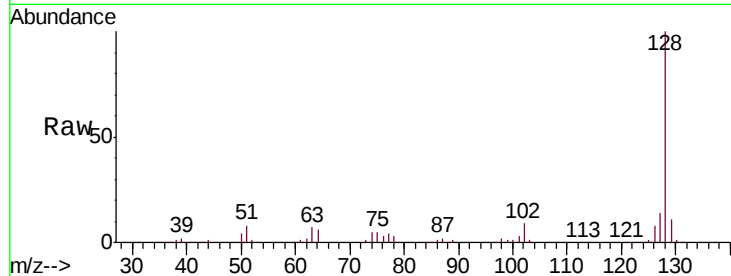
Tgt Ion:128 Resp: 160090

Ion Ratio Lower Upper

128 100

127 13.6 10.9 16.3

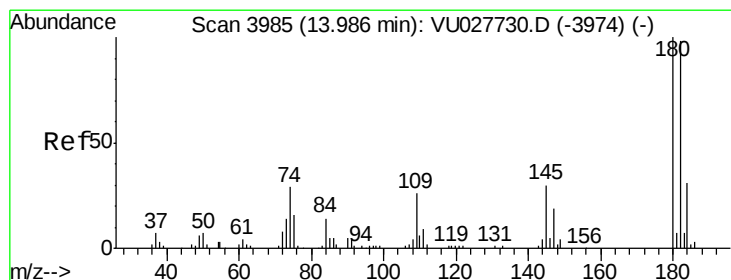
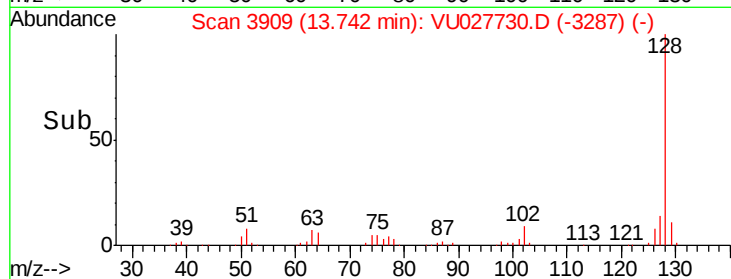
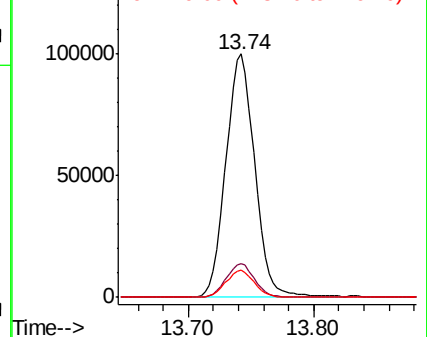
129 10.9 8.7 13.1



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: 49.587 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027730.D

Acq: 22 Oct 2018 09:28

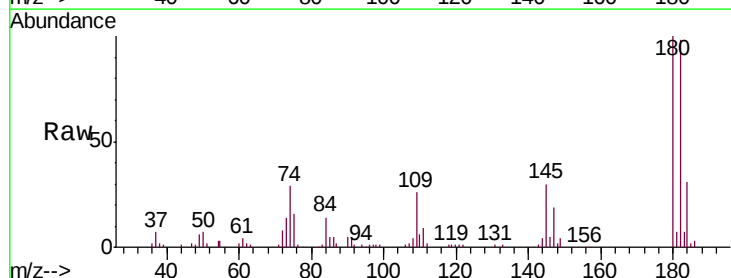
Tgt Ion:180 Resp: 51318

Ion Ratio Lower Upper

180 100

182 97.2 77.8 116.6

145 31.2 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

