

Data File : VU027731.D
Acq On : 22 Oct 2018 09:51
Operator : MD/SY
Sample : VSTD10055
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

Quant Time: Oct 23 07:21:52 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	122243	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	117256	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58958	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	94425	99.28	ug/L	0.00
7) Chloroethane-d5	1.67	69	71842	98.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	171783	100.28	ug/L	0.00
21) 2-Butanone-d5	4.18	46	163193	201.34	ug/L	0.00
24) Chloroform-d	4.65	84	170339	99.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	114716	96.89	ug/L	0.00
32) Benzene-d6	5.34	84	326975	97.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	116073	97.36	ug/L	0.00
41) Toluene-d8	7.57	98	303734	98.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	57929	100.06	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	123839	202.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	150982	98.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	117954	97.67	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	99693	100.350	ug/L	100
3) Chloromethane	1.33	50	117780	101.205	ug/L	99
5) Vinyl chloride	1.40	62	110230	99.855	ug/L	100
6) Bromomethane	1.62	94	56036	100.673	ug/L	97
8) Chloroethane	1.69	64	59709	100.213	ug/L	98
9) Trichlorofluoromethane	1.88	101	135077	101.556	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	72375	99.369	ug/L	98
12) 1,1-Dichloroethene	2.28	96	68528	100.606	ug/L	92
13) Acetone	2.32	43	105726	187.258	ug/L	98
14) Carbon disulfide	2.48	76	238058	100.371	ug/L	99
15) Methyl Acetate	2.62	43	117539	98.923	ug/L	100
16) Methylene chloride	2.70	84	84180	100.046	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	75882	100.707	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	282471	100.297	ug/L	99
19) 1,1-Dichloroethane	3.45	63	165100	100.972	ug/L	100
22) 2-Butanone	4.26	43	170476	202.922	ug/L	100
23) Bromochloromethane	4.55	128	42972	103.242	ug/L	97
25) Chloroform	4.67	83	162291	102.275	ug/L	100
27) 1,2-Dichloroethane	5.40	62	139065	100.986	ug/L	100
29) Cyclohexane	5.00	56	168876	100.480	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	142643	100.361	ug/L	99
31) Carbon tetrachloride	5.14	117	124524	97.360	ug/L	97
33) Benzene	5.39	78	351095	100.652	ug/L	100
34) Trichloroethene	6.19	95	87310	99.981	ug/L	98
35) Methylcyclohexane	6.42	83	151051	100.017	ug/L	99
37) 1,2-Dichloropropane	6.43	63	103813	100.726	ug/L	100
38) Bromodichloromethane	6.76	83	130065	101.553	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	161390	101.698	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	333155	201.127	ug/L	99
42) Toluene	7.64	91	368853	100.970	ug/L	100

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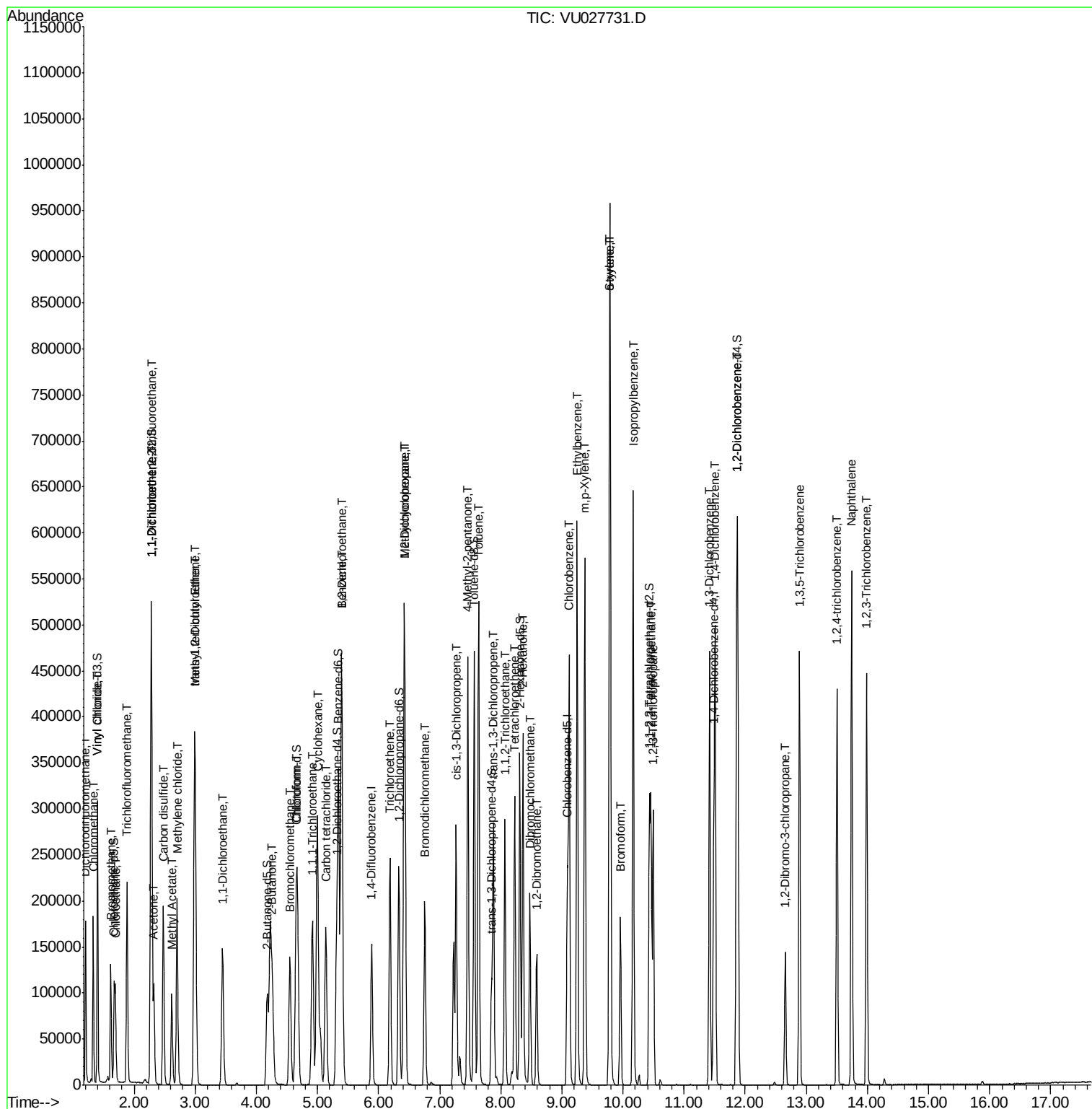
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.88	75	153350	102.153	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	84716	99.512	ug/L	97
46) Tetrachloroethene	8.23	164	68187	101.109	ug/L	96
48) 2-Hexanone	8.36	43	256081	199.349	ug/L	97
49) Dibromochloromethane	8.48	129	102152	101.265	ug/L	99
50) 1,2-Dibromoethane	8.59	107	93528	102.933	ug/L	95
51) Chlorobenzene	9.12	112	224529	100.252	ug/L	98
52) Ethylbenzene	9.25	91	420511	101.763	ug/L	99
53) m,p-Xylene	9.38	106	153377	102.746	ug/L	100
54) o-xylene	9.78	106	150943	101.439	ug/L	99
55) Styrene	9.79	104	261482	103.238	ug/L	97
56) Isopropylbenzene	10.17	105	406393	103.126	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	151540	100.101	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	122978	100.963	ug/L	99
61) Bromoform	9.96	173	80786	102.790	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	178845	101.164	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	180304	100.021	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	183449	100.888	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	37066	97.829	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	139457	101.994	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	128481	105.847	ug/L	99
69) Naphthalene	13.74	128	417044	106.375	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	133687	105.379	ug/L	99

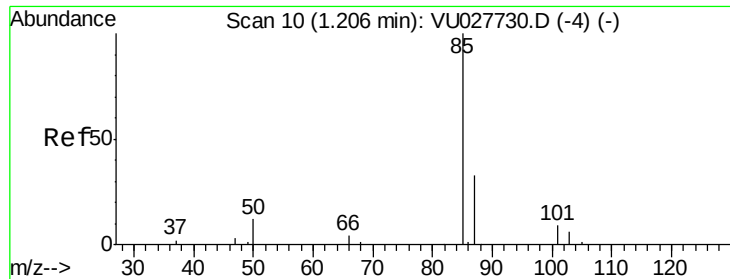
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 100.350 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

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Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

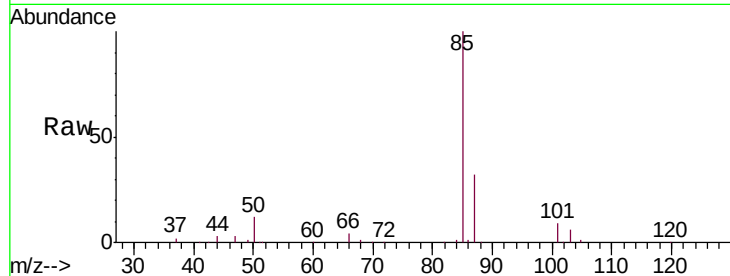
VSTD10055

Tgt Ion: 85 Resp: 99693

Ion Ratio Lower Upper

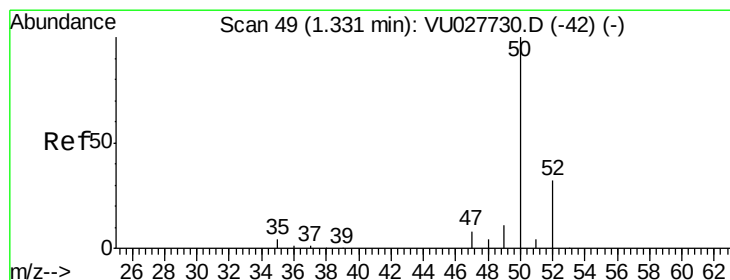
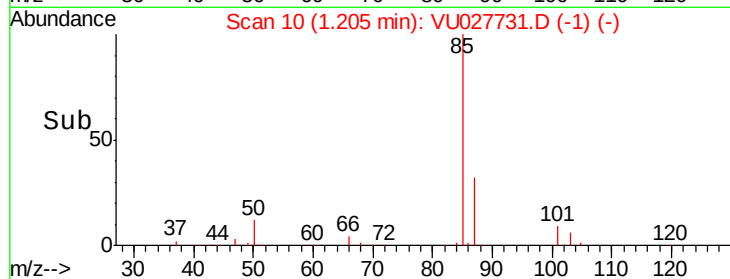
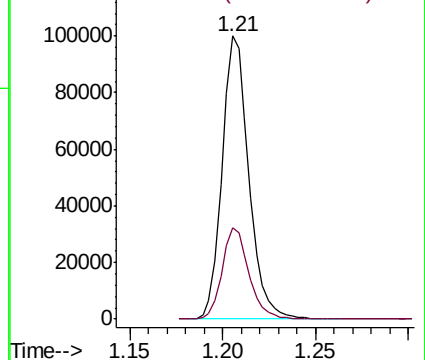
85 100

87 32.3 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: 101.205 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027731.D

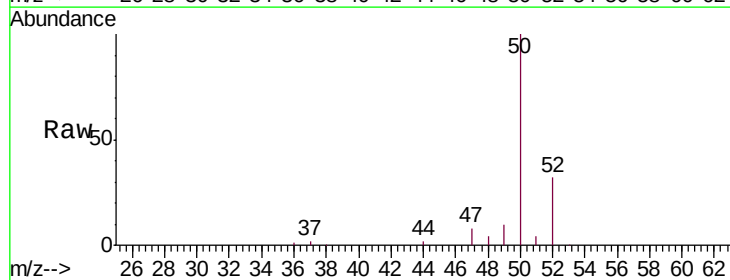
Acq: 22 Oct 2018 09:51

Tgt Ion: 50 Resp: 117780

Ion Ratio Lower Upper

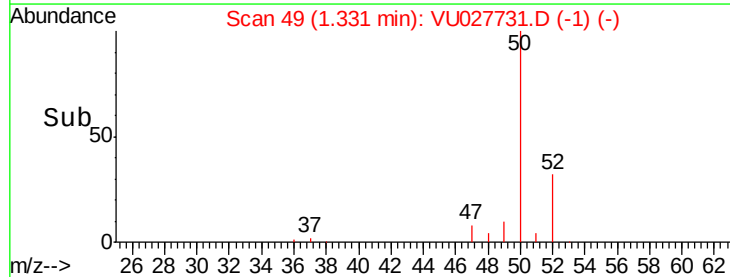
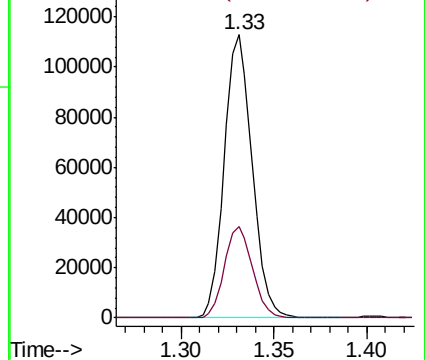
50 100

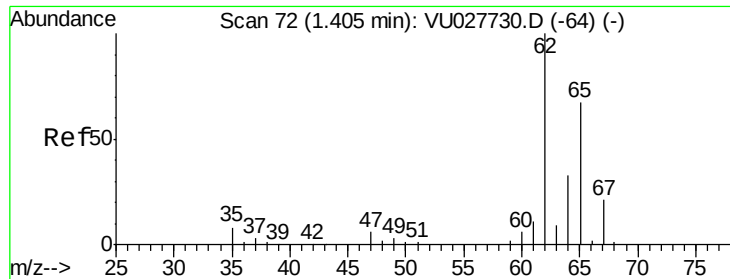
52 32.3 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 99.855 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

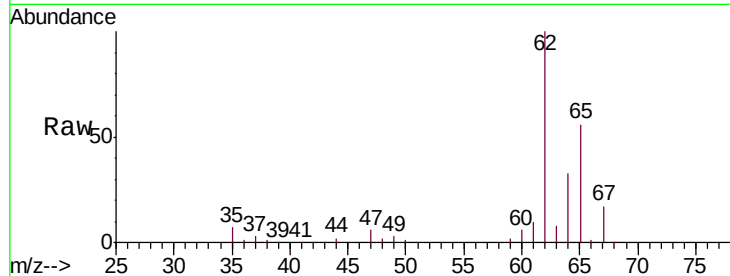
VSTD10055

Tgt Ion: 62 Resp: 110230

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

120000

100000

80000

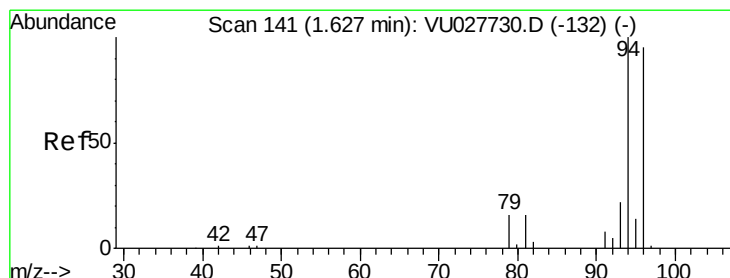
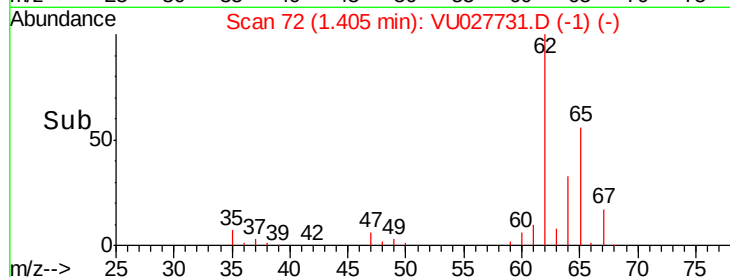
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 100.673 ug/L

RT: 1.62 min Scan# 138

Delta R.T. -0.01 min

Lab File: VU027731.D

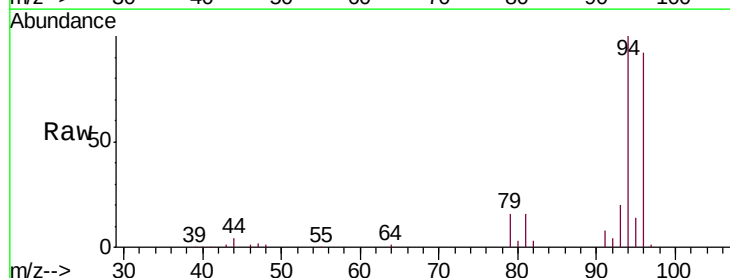
Acq: 22 Oct 2018 09:51

Tgt Ion: 94 Resp: 56036

Ion Ratio Lower Upper

94 100

96 91.6 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

50000

40000

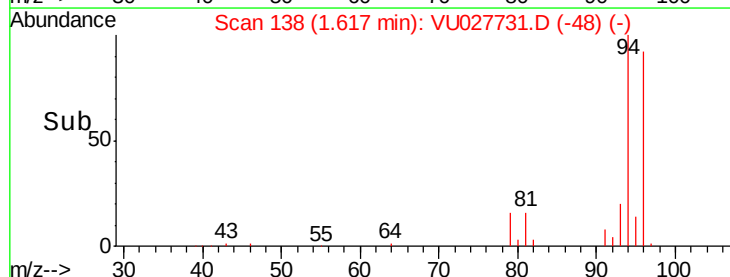
30000

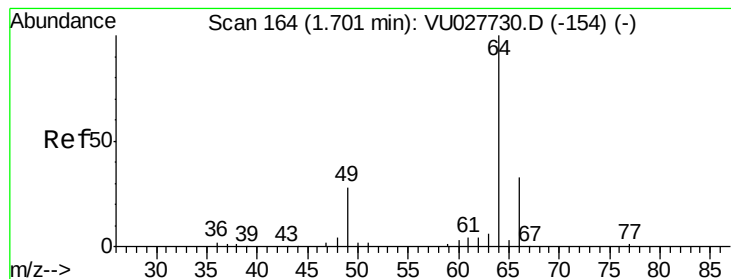
20000

10000

0

Time-->





#8

Chloroethane

Concen: 100.213 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

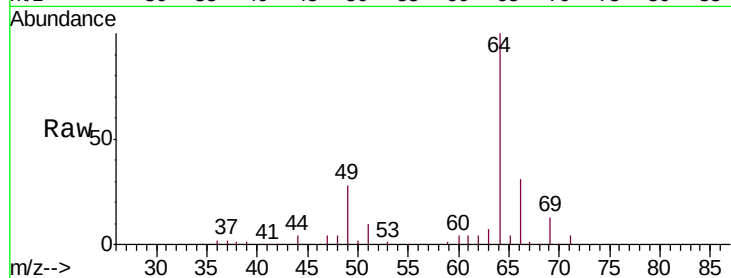
VSTD10055

Tgt Ion: 64 Resp: 59709

Ion Ratio Lower Upper

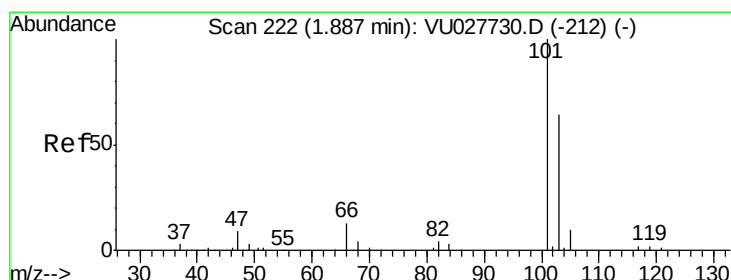
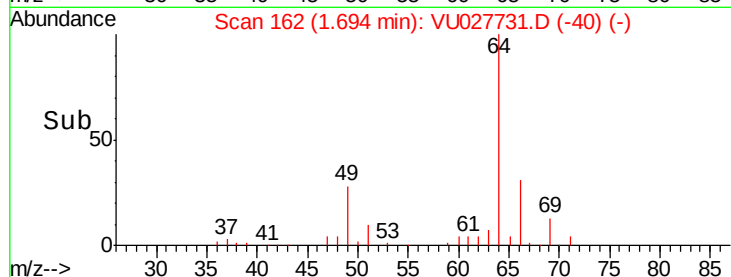
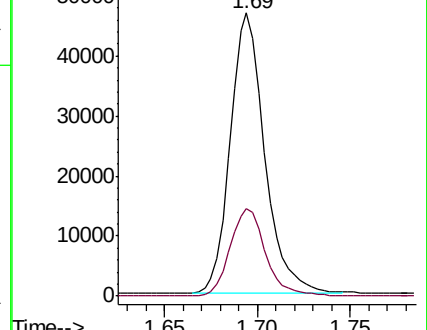
64 100

66 31.1 22.6 42.0



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

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



#9

Trichlorofluoromethane

Concen: 101.556 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU027731.D

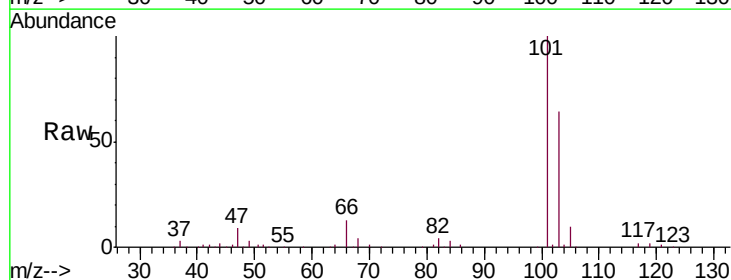
Acq: 22 Oct 2018 09:51

Tgt Ion: 101 Resp: 135077

Ion Ratio Lower Upper

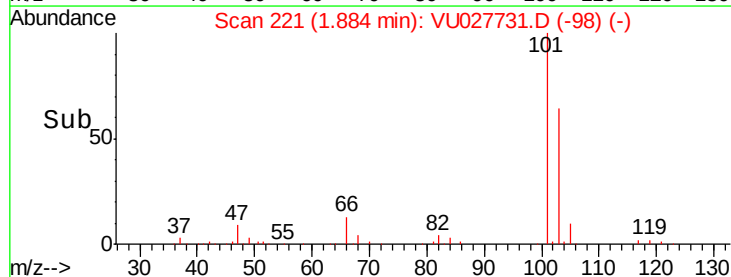
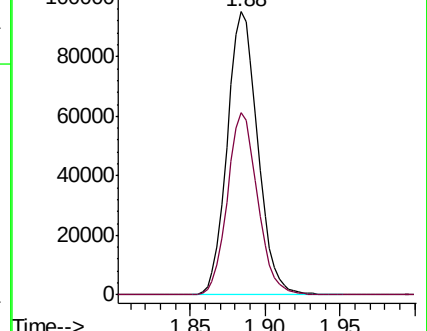
101 100

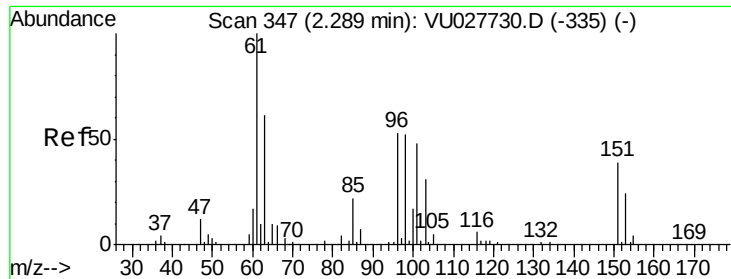
103 63.7 51.0 76.4



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

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





#10

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

Concen: 99.369 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027731.D

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Instrument :

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ClientSampleId :

VSTD10055

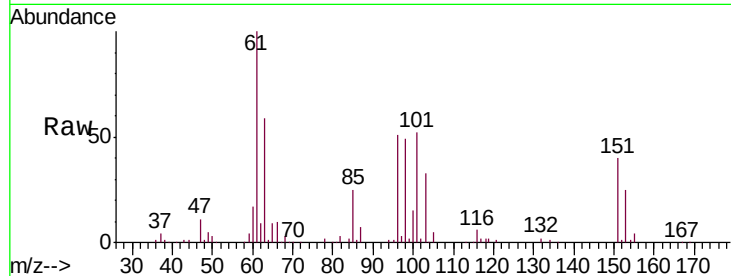
Tgt Ion:101 Resp: 72375

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

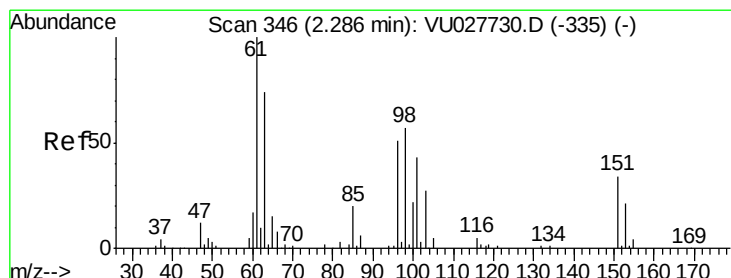
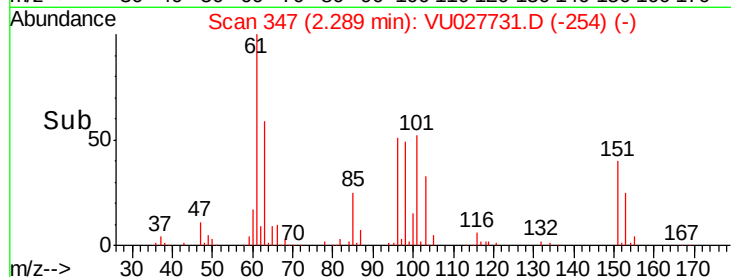
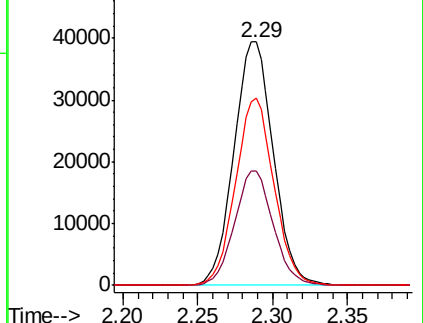
151 74.8 62.0 93.0



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: 100.606 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

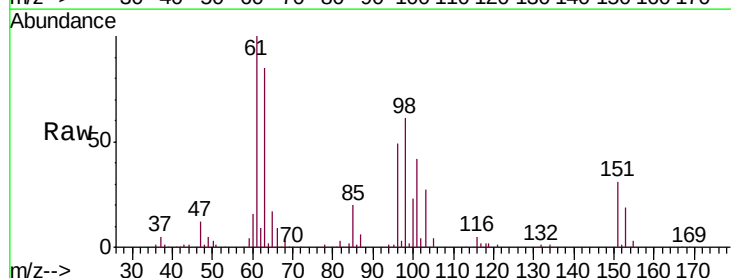
Tgt Ion: 96 Resp: 68528

Ion Ratio Lower Upper

96 100

61 204.2 137.3 255.1

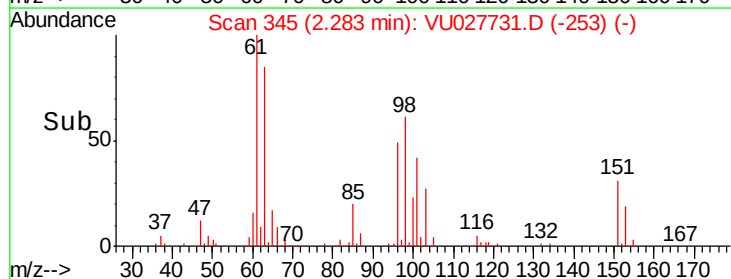
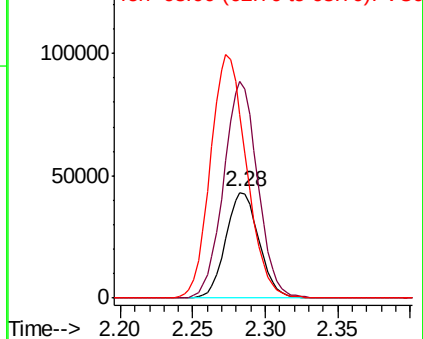
63 173.0 109.8 204.0

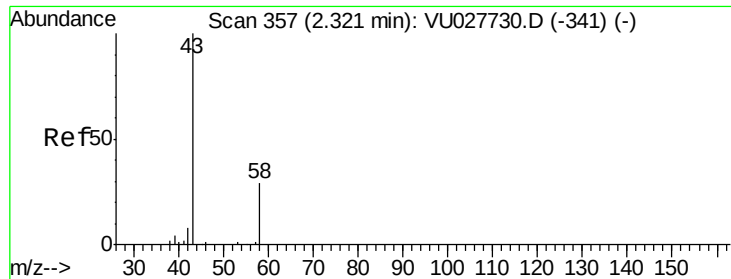


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 187.258 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

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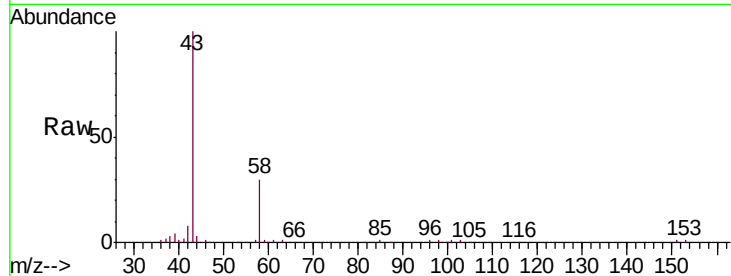
VSTD10055

Tgt Ion: 43 Resp: 105726

Ion Ratio Lower Upper

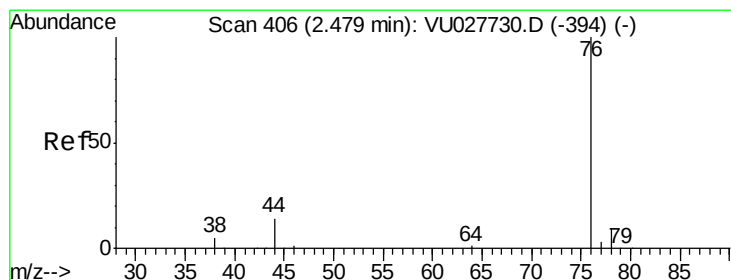
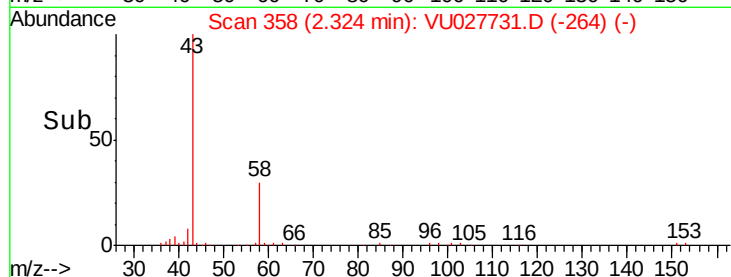
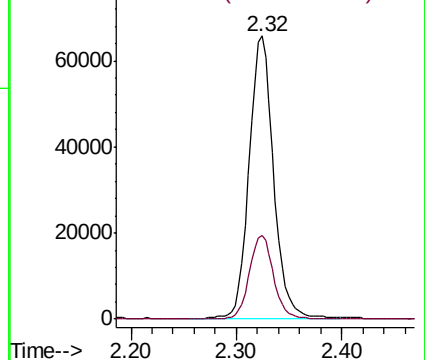
43 100

58 29.5 0.0 57.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 100.371 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027731.D

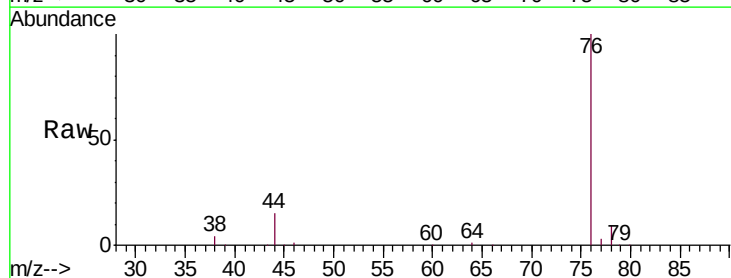
Acq: 22 Oct 2018 09:51

Tgt Ion: 76 Resp: 238058

Ion Ratio Lower Upper

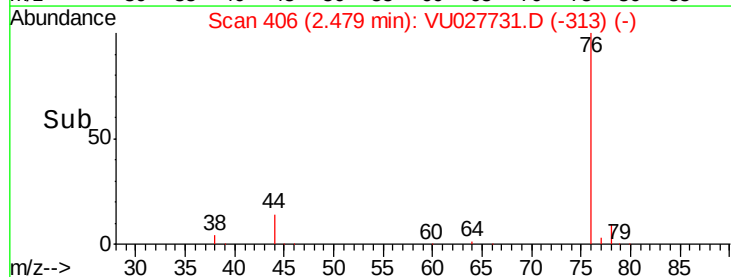
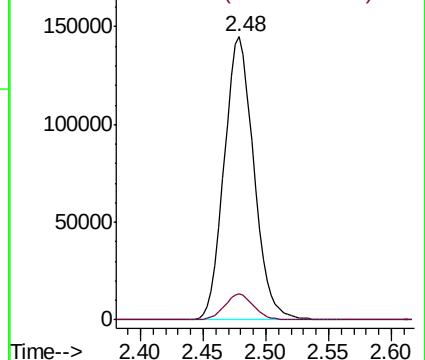
76 100

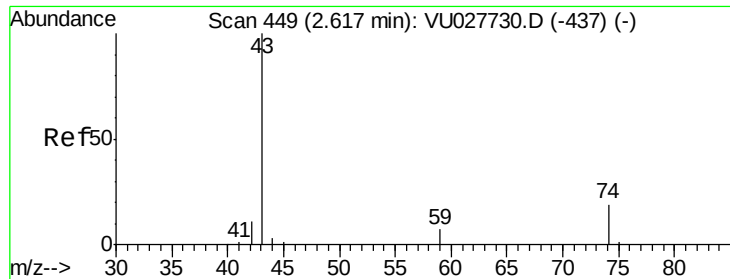
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

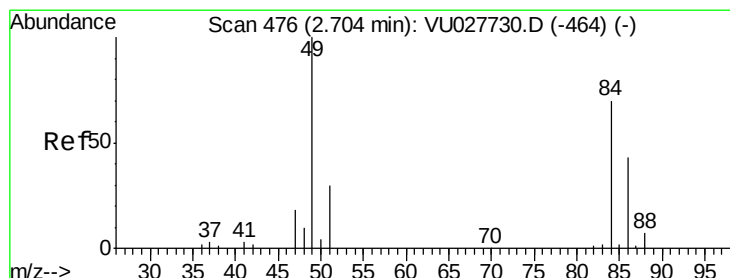
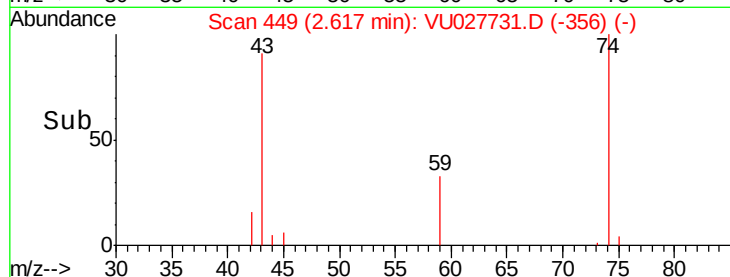
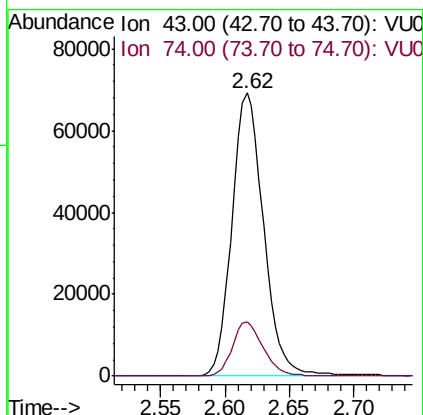
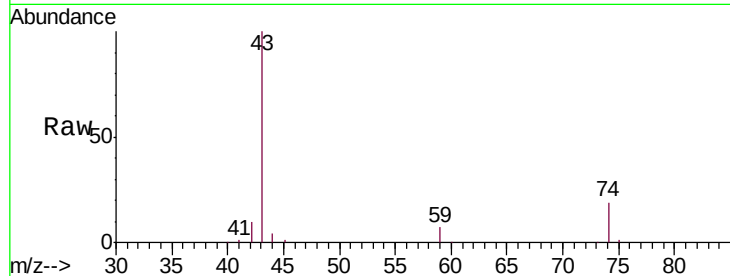




#15
Methyl Acetate
Concen: 98.923 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027731.D
Acq: 22 Oct 2018 09:51

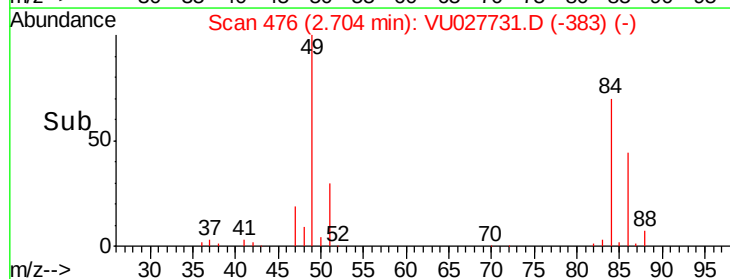
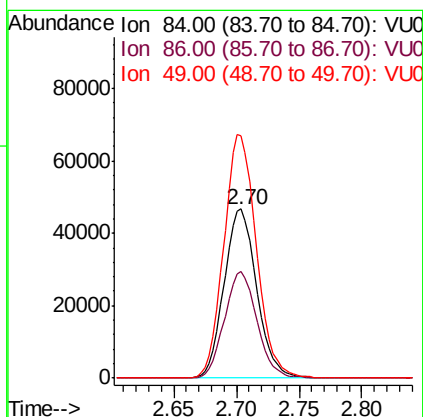
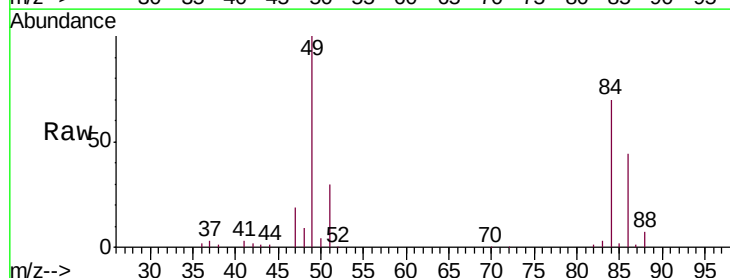
Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

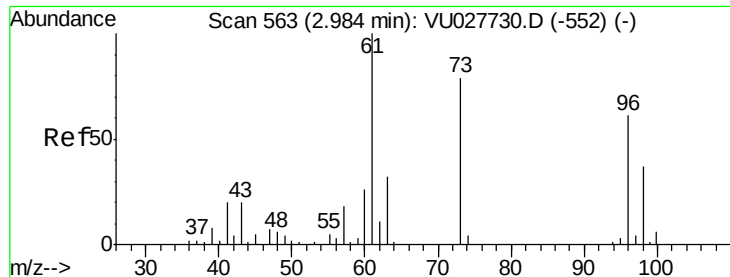
Tgt Ion: 43 Resp: 117539
Ion Ratio Lower Upper
43 100
74 18.8 15.1 22.7



#16
Methylene chloride
Concen: 100.046 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027731.D
Acq: 22 Oct 2018 09:51

Tgt Ion: 84 Resp: 84180
Ion Ratio Lower Upper
84 100
86 63.5 42.8 79.6
49 143.7 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 100.707 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

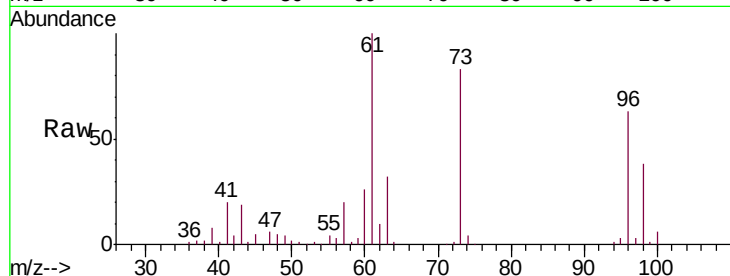
Tgt Ion: 96 Resp: 75882

Ion Ratio Lower Upper

96 100

61 159.7 114.7 212.9

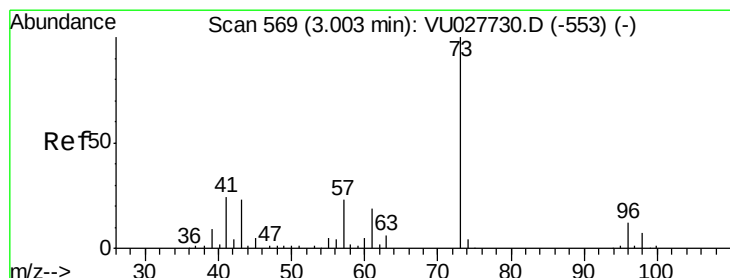
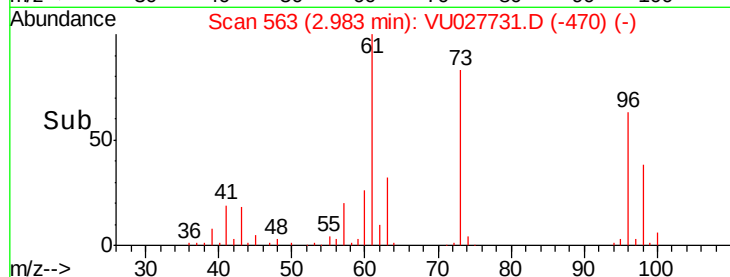
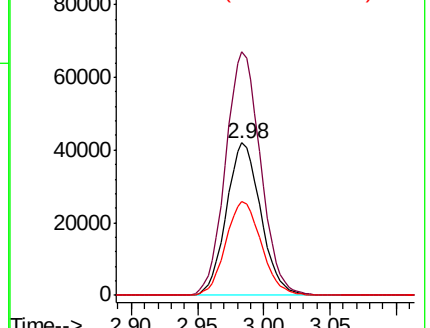
98 61.2 42.2 78.4



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: 100.297 ug/L

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

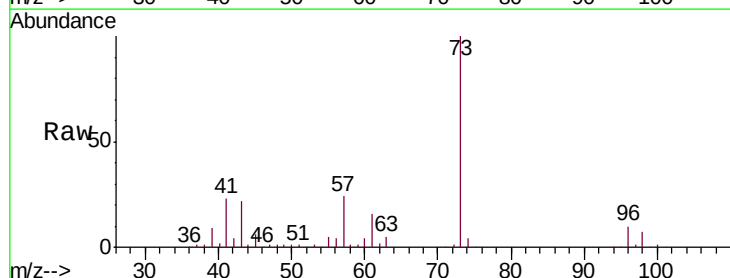
Tgt Ion: 73 Resp: 282471

Ion Ratio Lower Upper

73 100

43 22.7 18.3 27.5

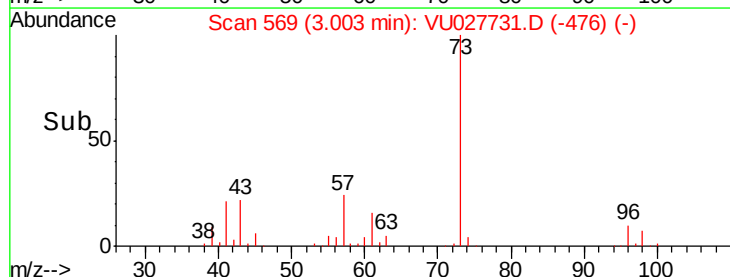
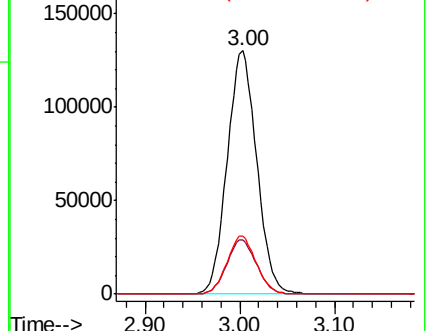
57 23.6 18.6 28.0

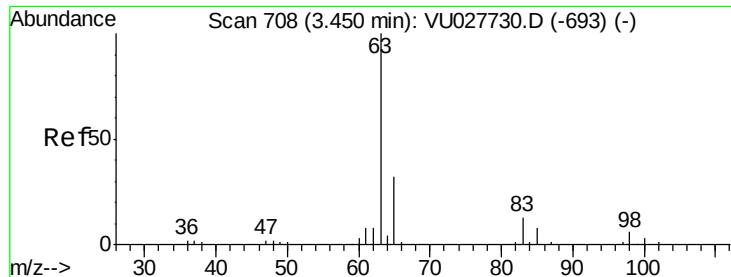


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

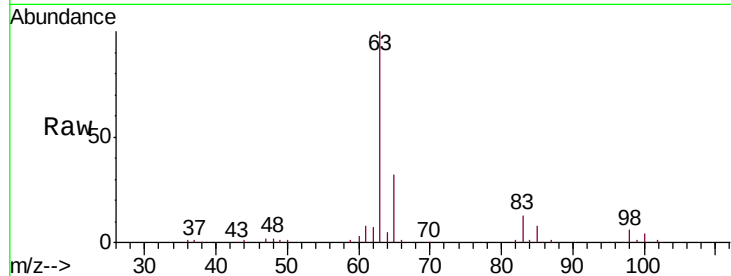




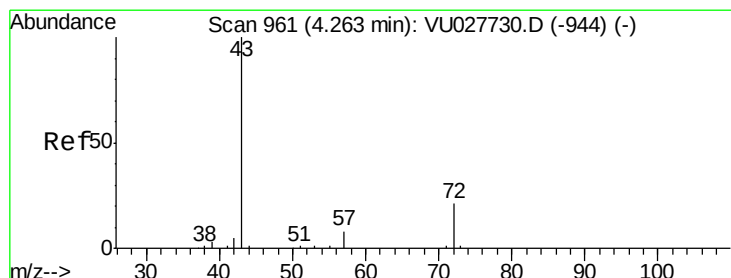
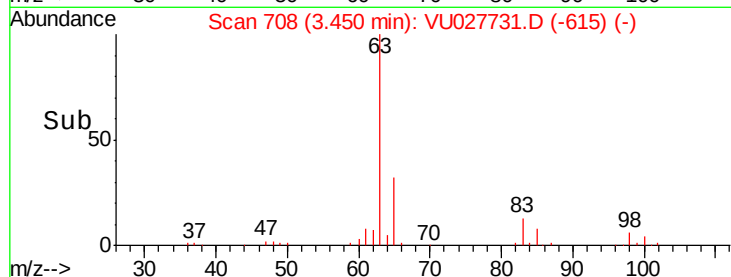
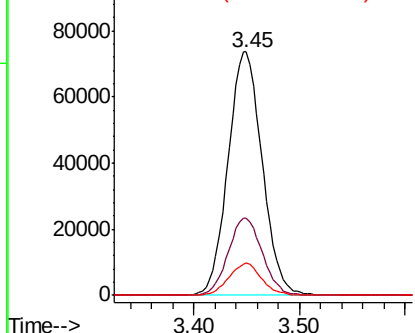
#19
 1,1-Dichloroethane
 Concen: 100.972 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

Tgt Ion: 63 Resp: 165100
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.2 41.2
 83 13.1 9.2 17.2

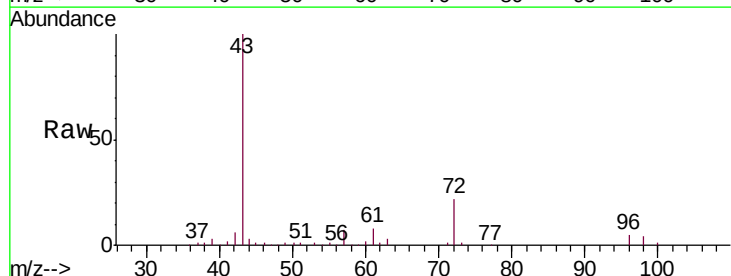


Abundance Ion 63.00 (62.70 to 63.70): VU0
 100000 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

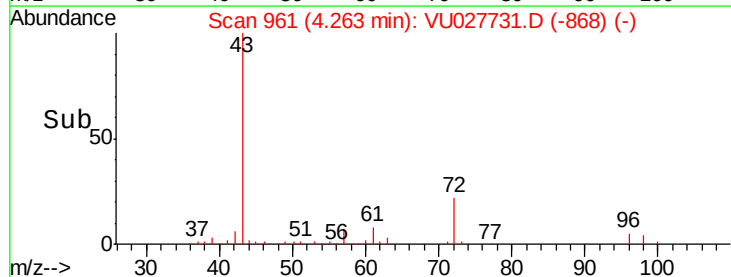
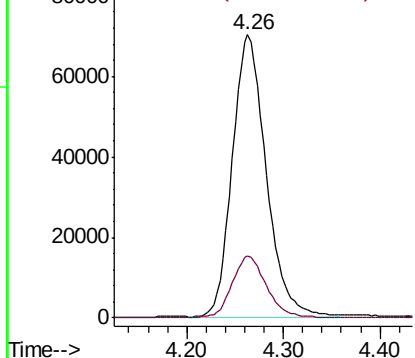


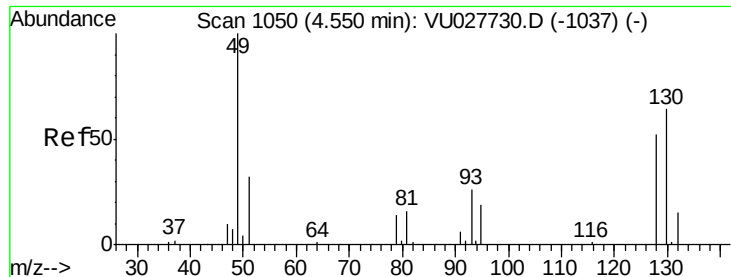
#22
 2-Butanone
 Concen: 202.922 ug/L
 RT: 4.26 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

Tgt Ion: 43 Resp: 170476
 Ion Ratio Lower Upper
 43 100
 72 22.5 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU0
 80000 Ion 72.00 (71.70 to 72.70): VU0





#23

Bromochloromethane

Concen: 103.242 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

Tgt Ion:128 Resp: 42972

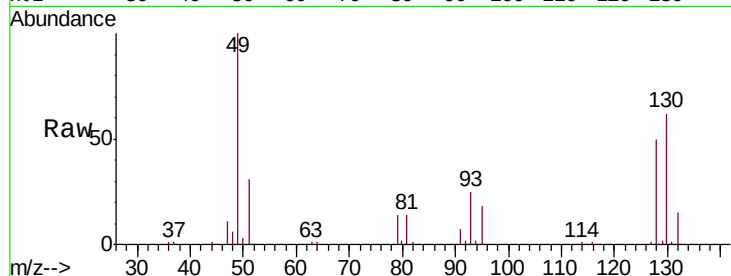
Ion Ratio Lower Upper

128 100

49 200.3 136.2 253.0

130 125.1 86.0 159.6

51 62.7 48.8 73.2

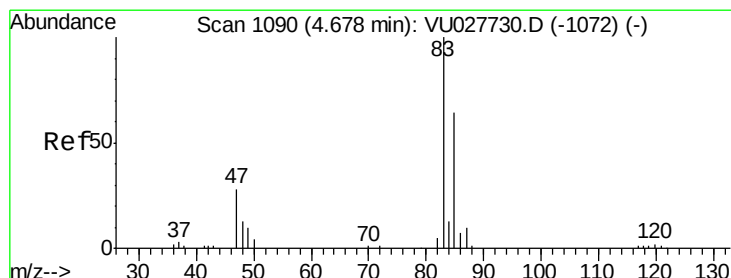
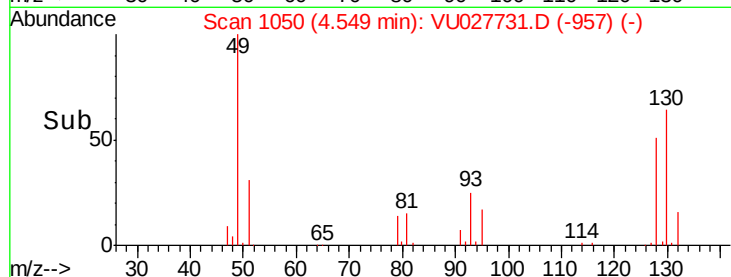
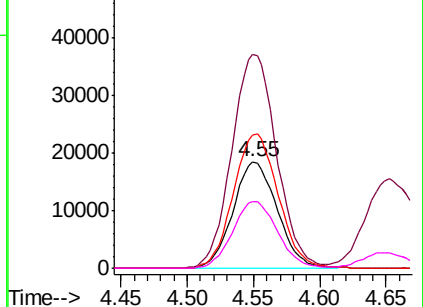


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 102.275 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU027731.D

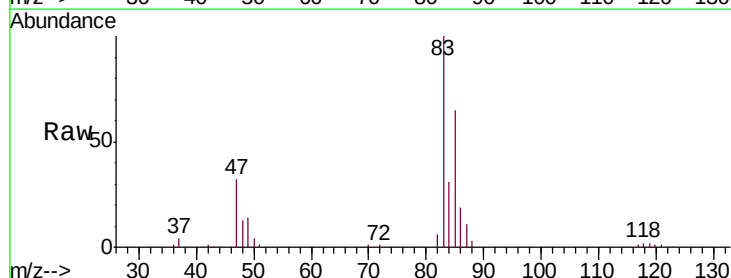
Acq: 22 Oct 2018 09:51

Tgt Ion: 83 Resp: 162291

Ion Ratio Lower Upper

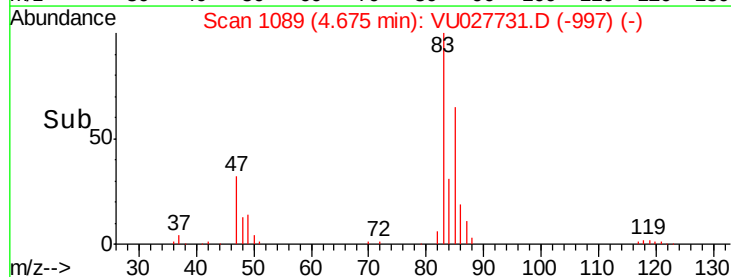
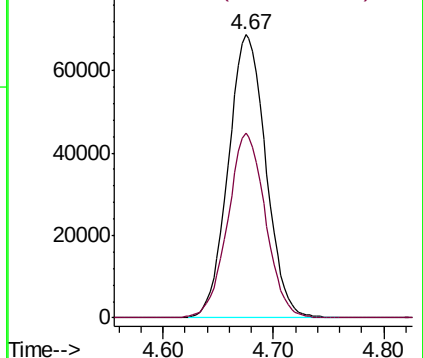
83 100

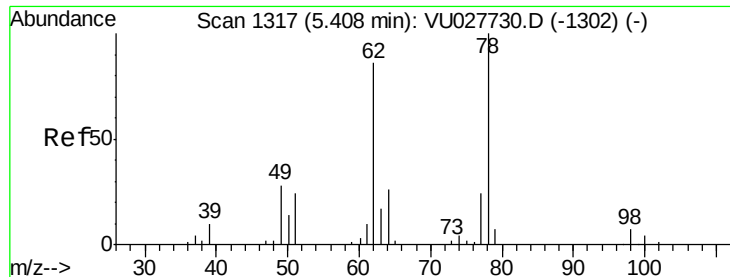
85 65.2 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 100.986 ug/L

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

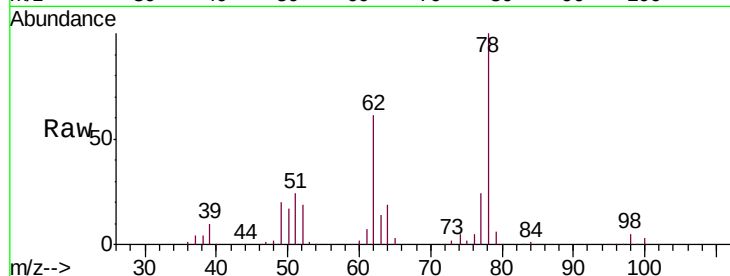
VSTD10055

Tgt Ion: 62 Resp: 139065

Ion Ratio Lower Upper

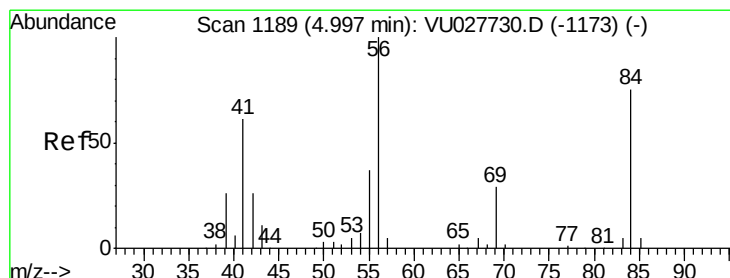
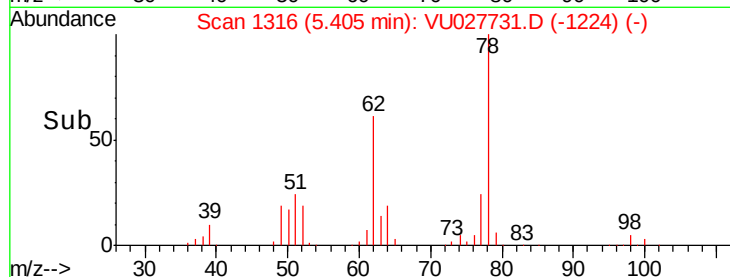
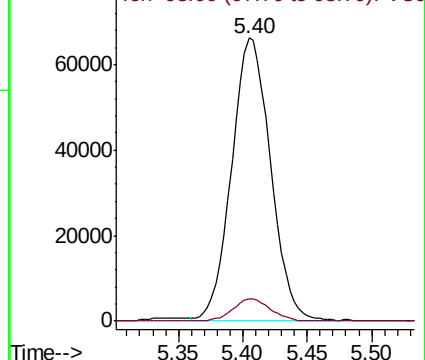
62 100

98 7.8 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#29

Cyclohexane

Concen: 100.480 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

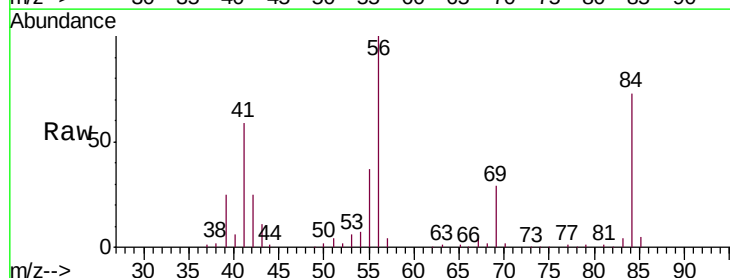
Tgt Ion: 56 Resp: 168876

Ion Ratio Lower Upper

56 100

69 28.1 22.5 33.7

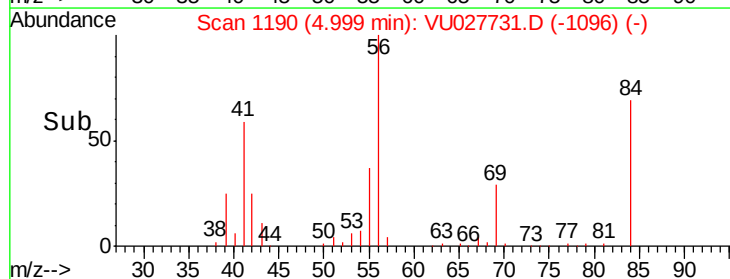
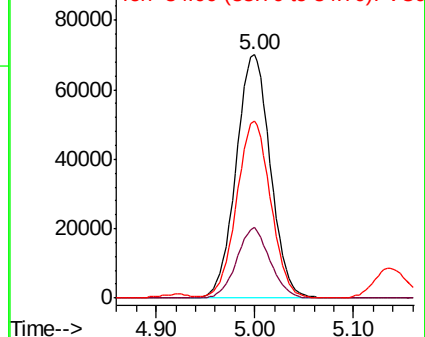
84 72.3 58.5 87.7

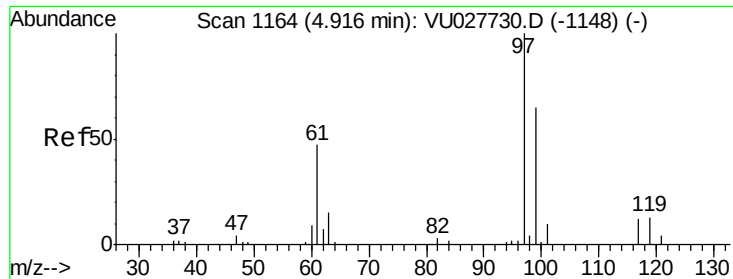


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

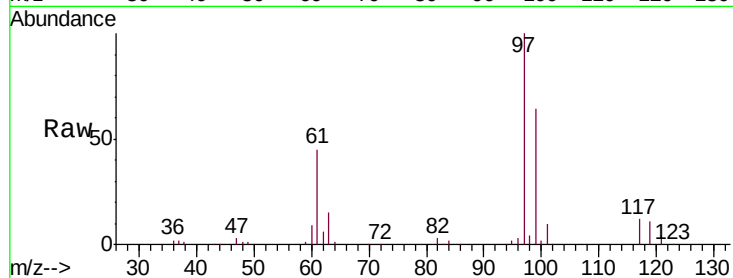




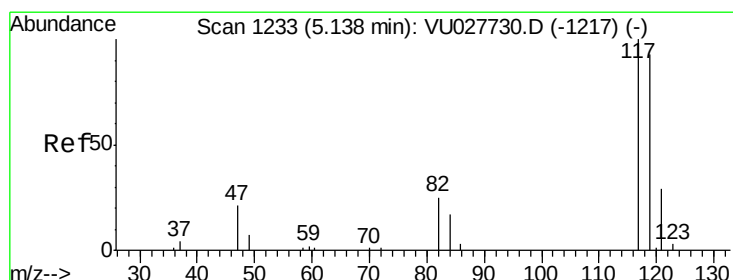
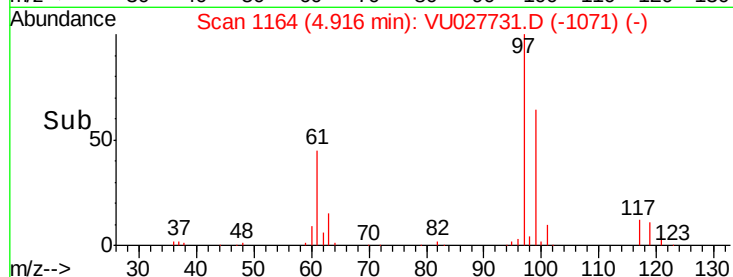
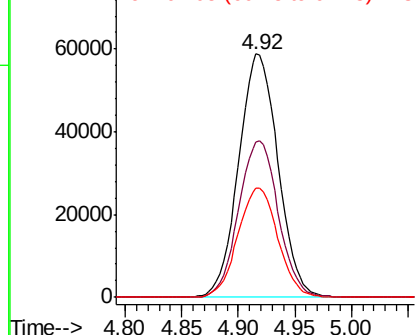
#30
 1,1,1-Trichloroethane
 Concen: 100.361 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

Tgt Ion: 97 Resp: 142643
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.7 77.5
 61 45.7 37.5 56.3

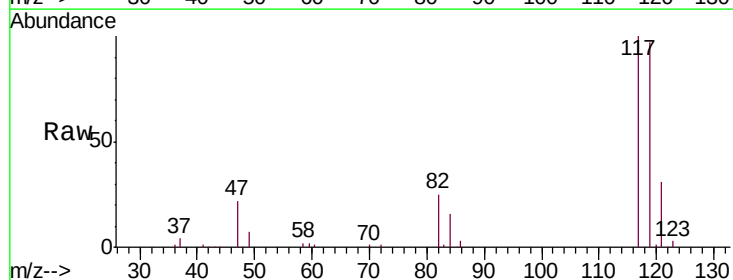


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

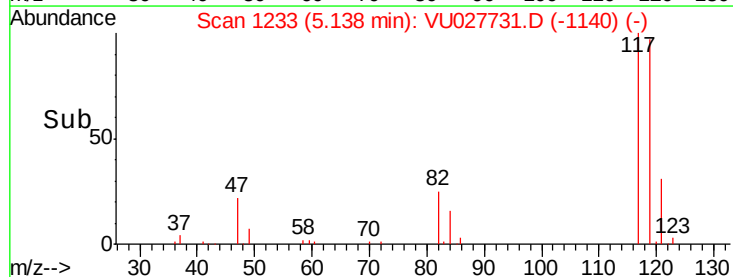
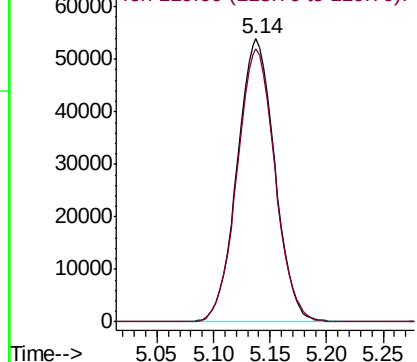


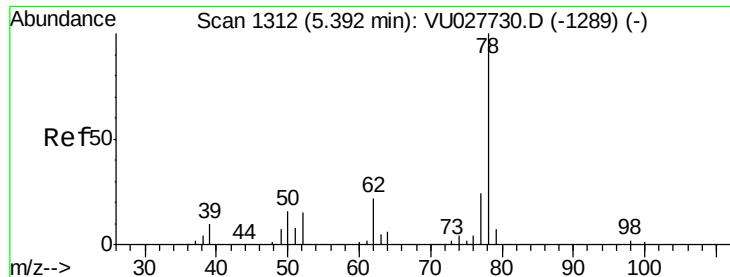
#31
 Carbon tetrachloride
 Concen: 97.360 ug/L
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

Tgt Ion: 117 Resp: 124524
 Ion Ratio Lower Upper
 117 100
 119 97.1 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: 100.652 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

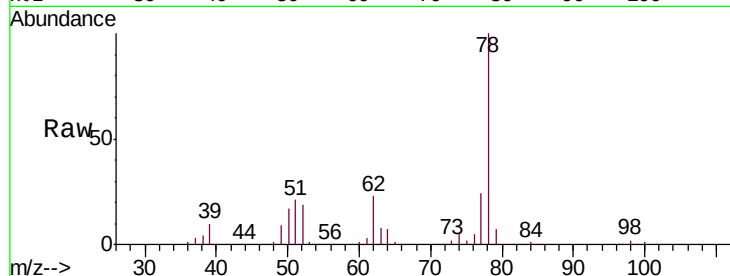
Instrument :

MSVOA_U

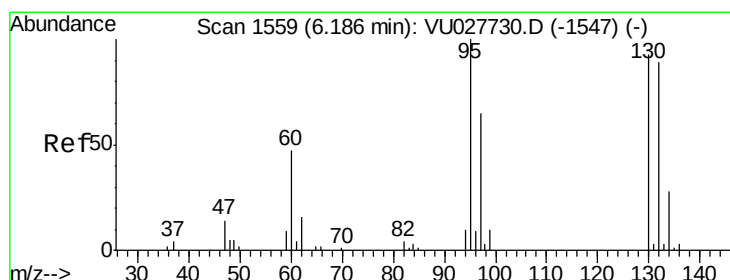
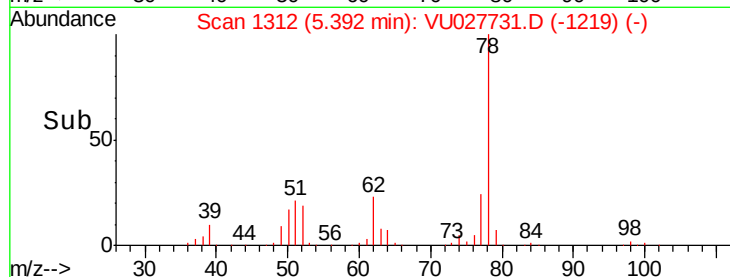
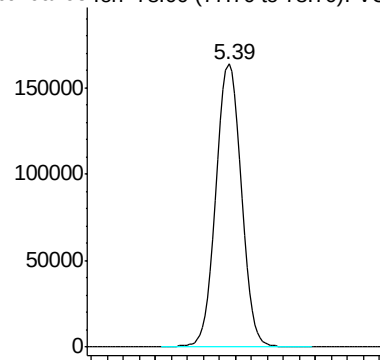
ClientSampleId :

VSTD10055

Tgt Ion: 78 Resp: 351095



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 99.981 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Tgt Ion: 95 Resp: 87310

Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.8	85.2
132	89.0	62.1	115.3
130	94.6	65.0	120.6

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

Abundance Ion 95.00 (94.70 to 95.70): VU0

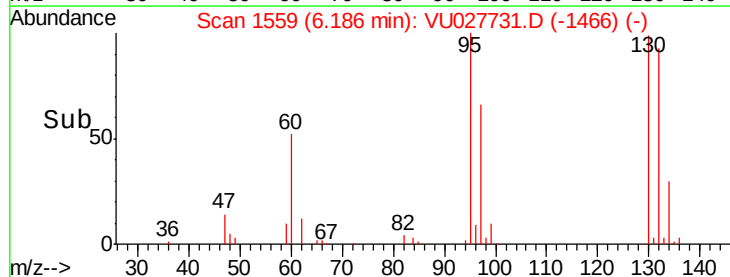
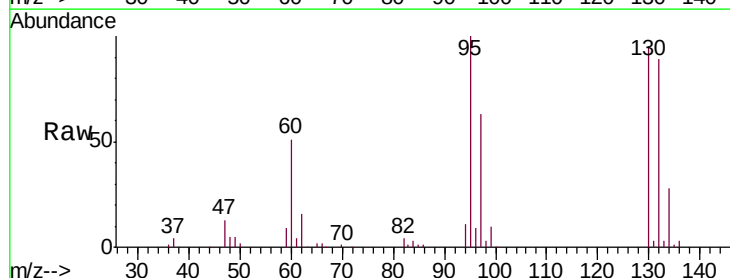
Ion 97.00 (96.70 to 97.70): VU0

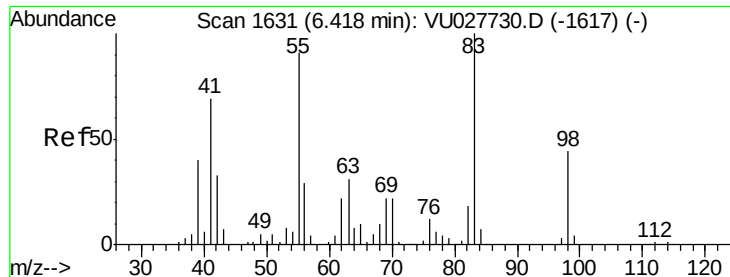
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

6.19

Time-->

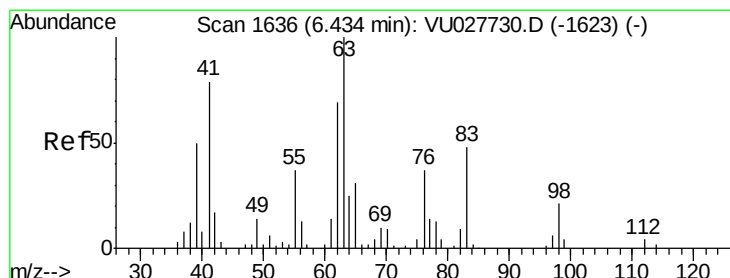
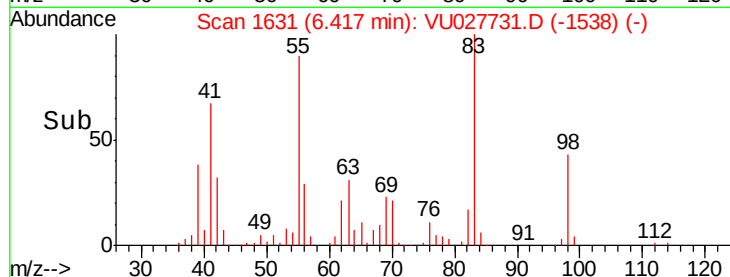
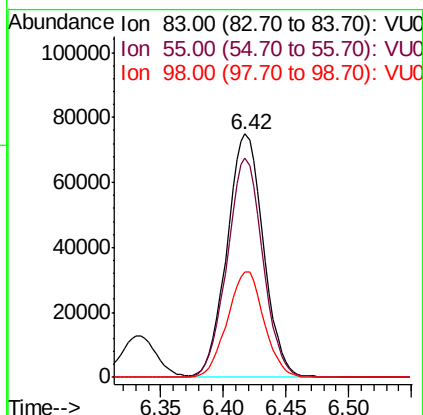
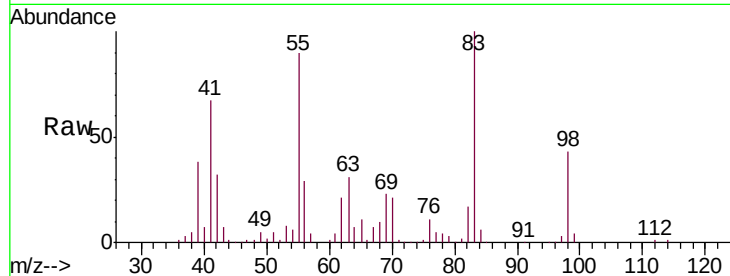




#35
Methylcyclohexane
Concen: 100.017 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027731.D
Acq: 22 Oct 2018 09:51

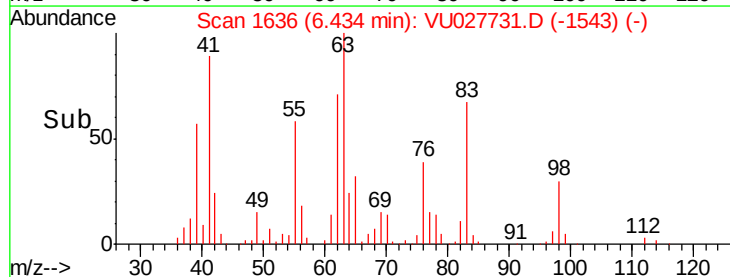
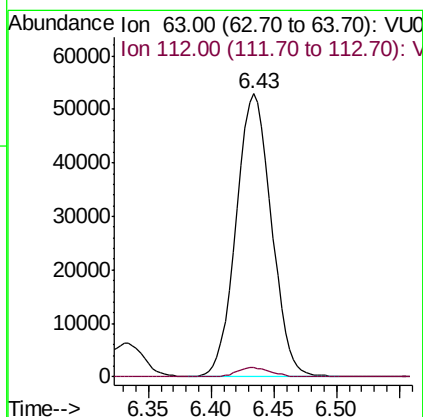
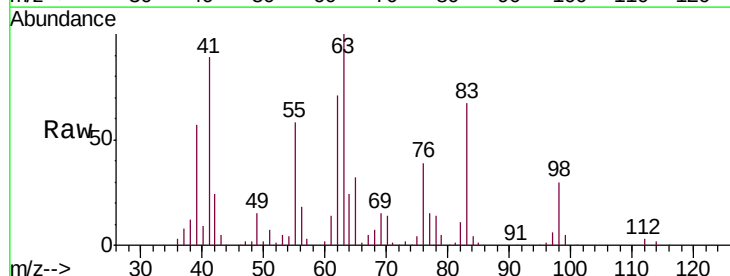
Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

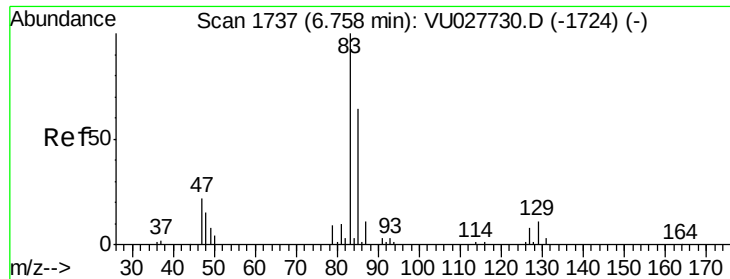
Tgt Ion: 83 Resp: 151051
Ion Ratio Lower Upper
83 100
55 88.5 71.9 107.9
98 43.6 34.6 52.0



#37
1,2-Dichloropropane
Concen: 100.726 ug/L
RT: 6.43 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VU027731.D
Acq: 22 Oct 2018 09:51

Tgt Ion: 63 Resp: 103813
Ion Ratio Lower Upper
63 100
112 3.2 2.6 3.8





#38

Bromodichloromethane

Concen: 101.553 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

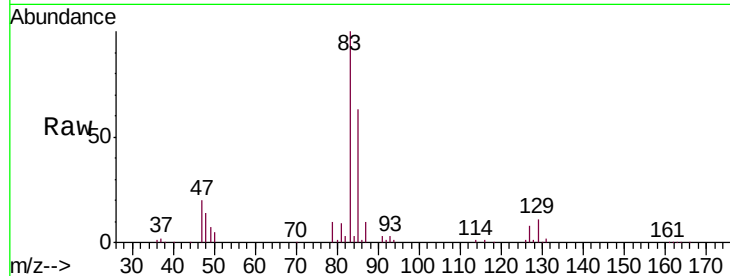
Tgt Ion: 83 Resp: 130065

Ion Ratio Lower Upper

83 100

85 63.2 44.5 82.7

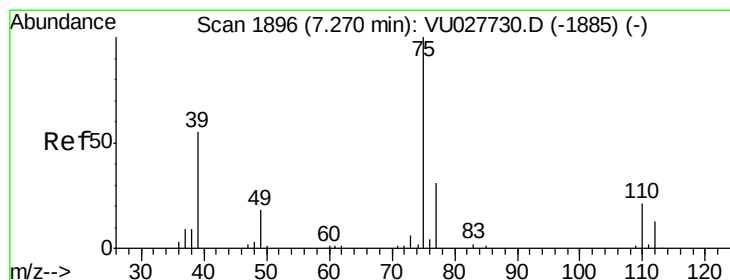
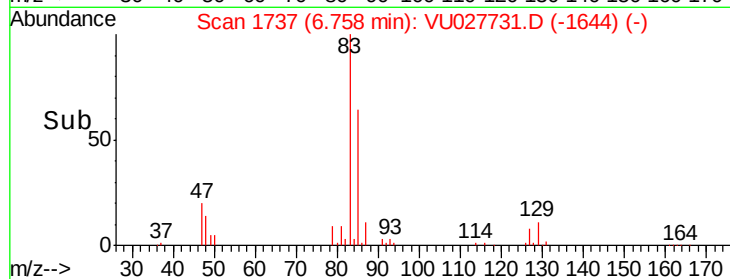
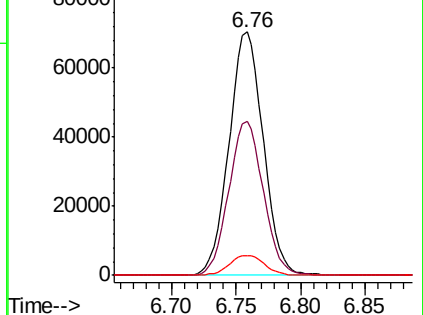
127 8.0 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 101.698 ug/L

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU027731.D

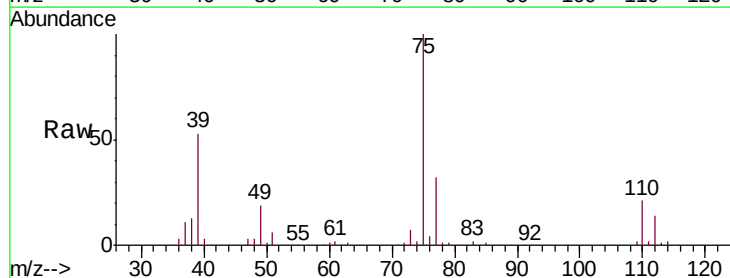
Acq: 22 Oct 2018 09:51

Tgt Ion: 75 Resp: 161390

Ion Ratio Lower Upper

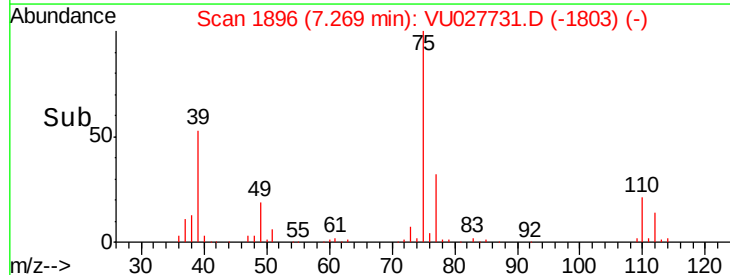
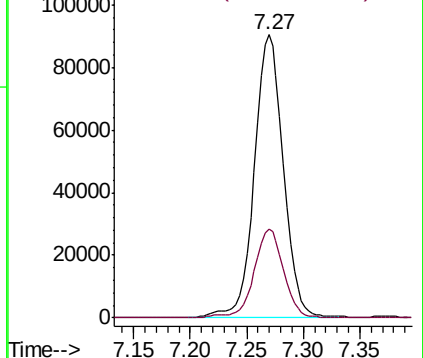
75 100

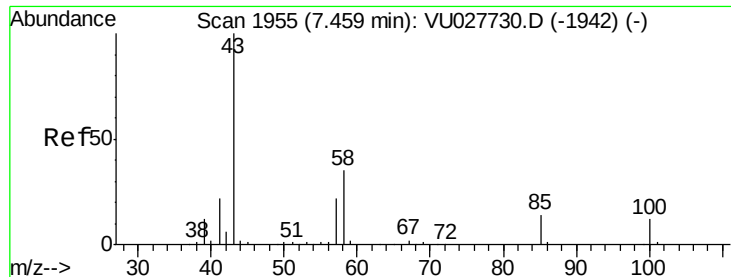
77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

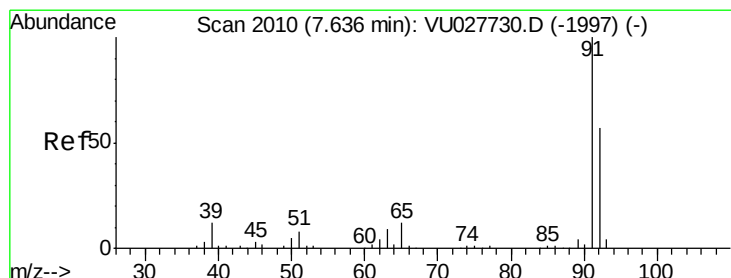
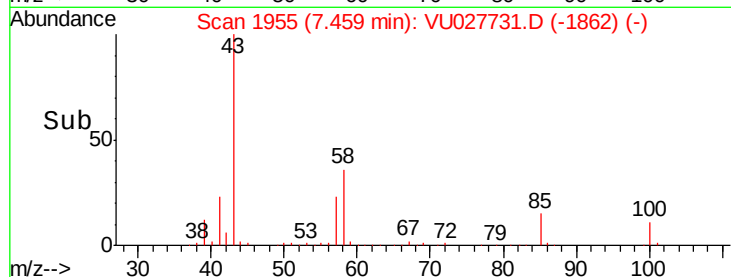
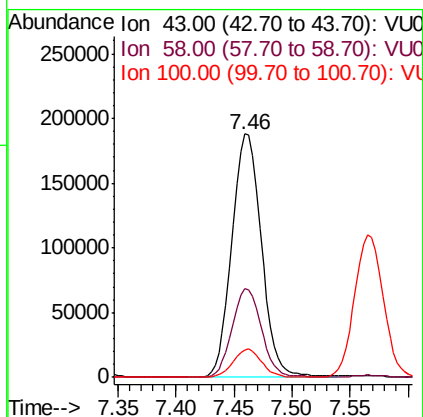
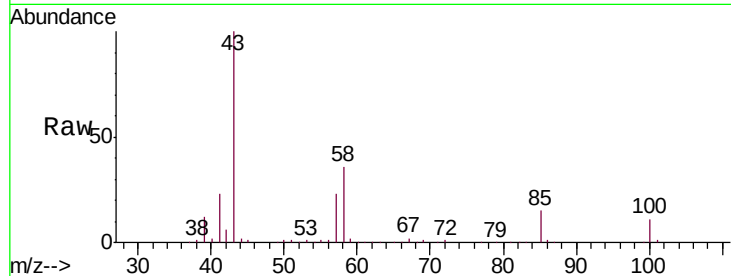




#40
4-Methyl-2-pentanone
Concen: 201.127 ug/L
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU027731.D
Acq: 22 Oct 2018 09:51

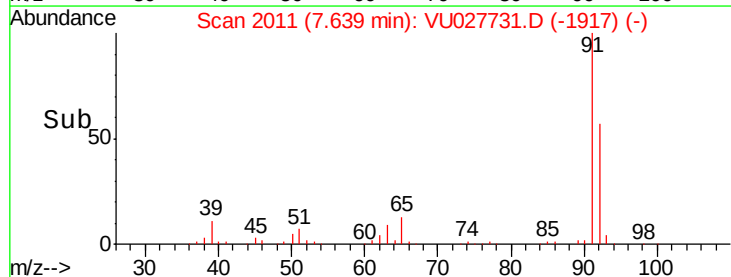
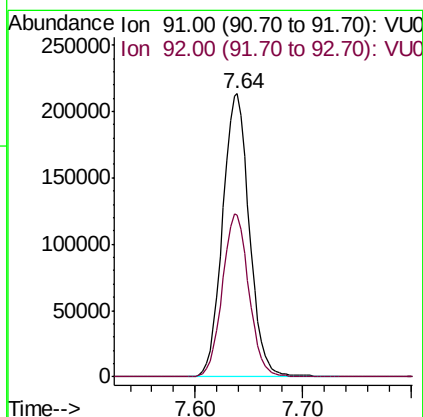
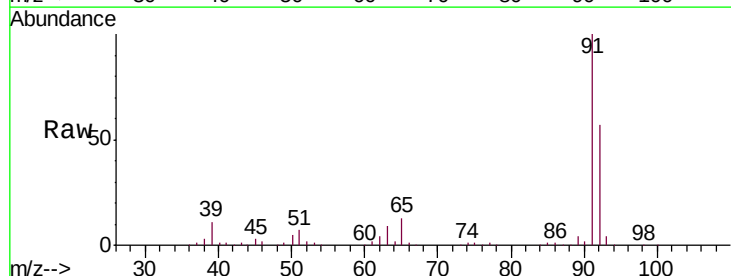
Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

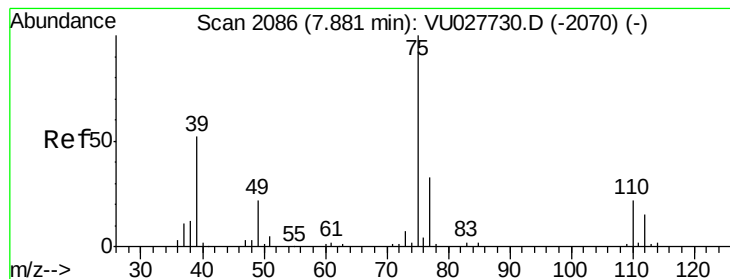
Tgt Ion: 43 Resp: 333155
Ion Ratio Lower Upper
43 100
58 36.1 28.3 42.5
100 11.2 9.1 13.7



#42
Toluene
Concen: 100.970 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027731.D
Acq: 22 Oct 2018 09:51

Tgt Ion: 91 Resp: 368853
Ion Ratio Lower Upper
91 100
92 57.3 39.9 74.1





#44

trans-1,3-Dichloropropene

Concen: 102.153 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampled :

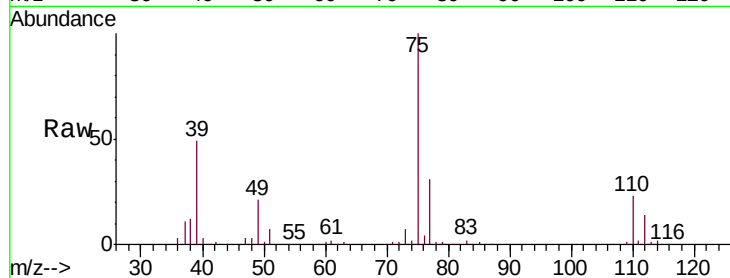
VSTD10055

Tgt Ion: 75 Resp: 153350

Ion Ratio Lower Upper

75 100

77 31.3 22.8 42.4



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

Ion 77.00 (76.70 to 77.70): VU027730.D (-2070) (-)

7.88

100000

80000

60000

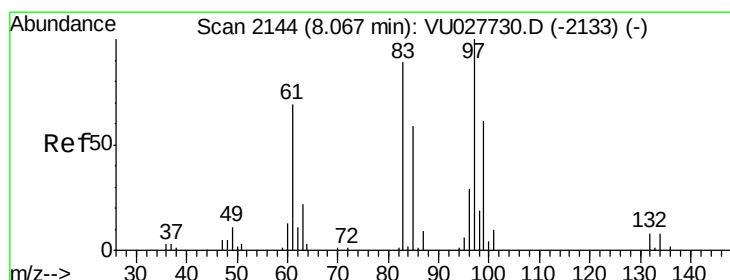
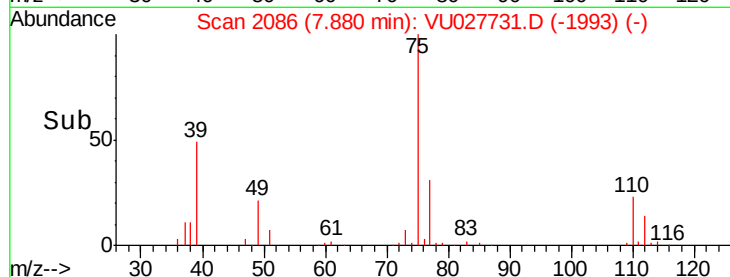
40000

20000

0

7.80 7.85 7.90 7.95

Time-->



#45

1,1,2-Trichloroethane

Concen: 99.512 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Tgt Ion: 97 Resp: 84716

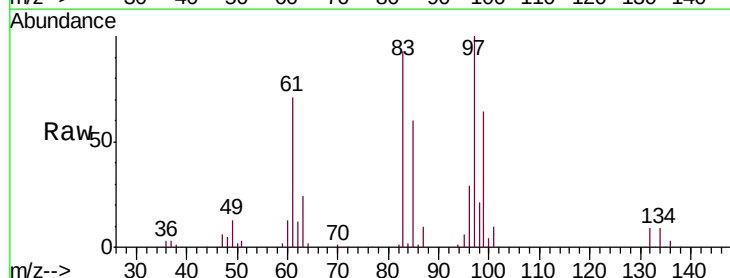
Ion Ratio Lower Upper

97 100

99 63.8 42.6 79.2

83 92.6 62.4 115.8

85 59.8 41.6 77.2



Abundance Ion 97.00 (96.70 to 97.70): VU027730.D (-2133) (-)

Ion 99.00 (98.70 to 99.70): VU027730.D (-2133) (-)

Ion 83.00 (82.70 to 83.70): VU027730.D (-2133) (-)

Ion 85.00 (84.70 to 85.70): VU027730.D (-2133) (-)

8.07

60000

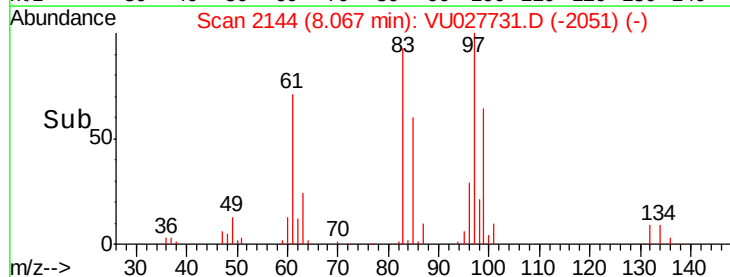
40000

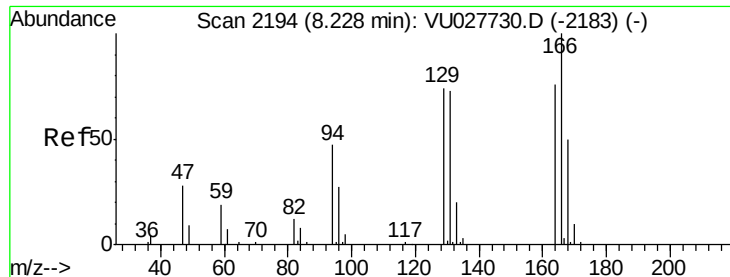
20000

0

8.00 8.05 8.10 8.15

Time-->

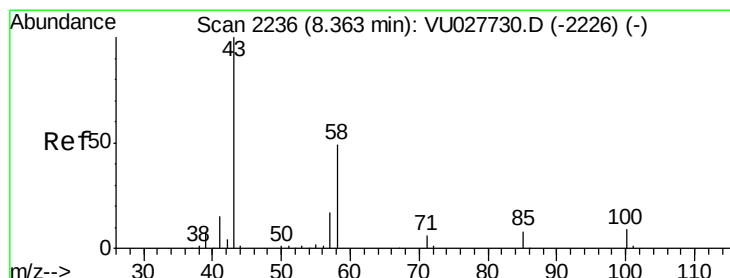
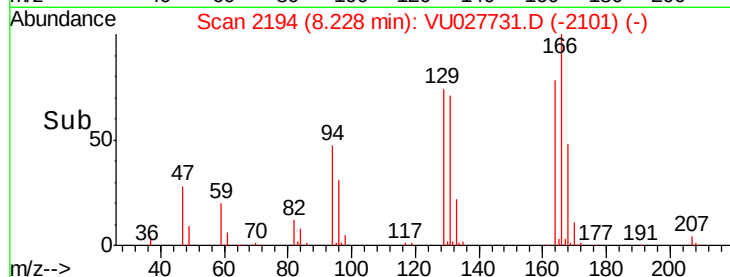
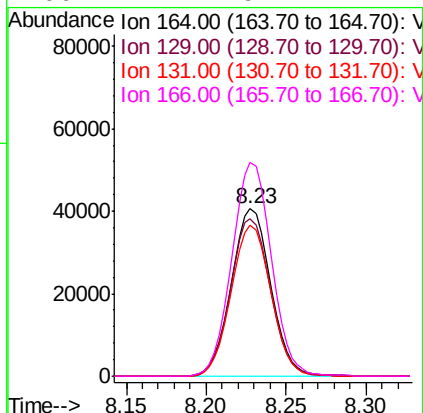
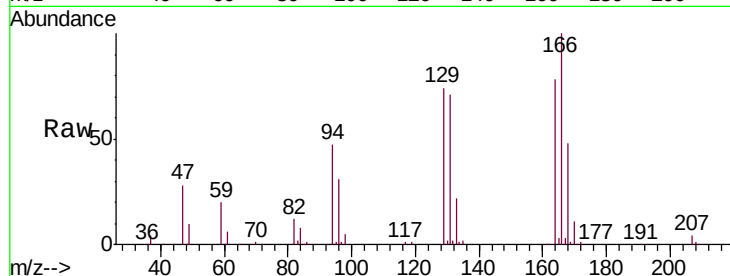




#46
Tetrachloroethene
Concen: 101.109 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027731.D
Acq: 22 Oct 2018 09:51

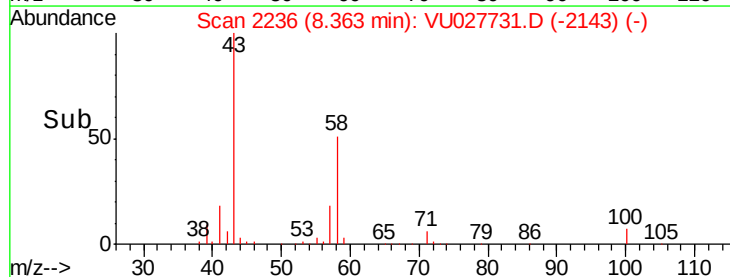
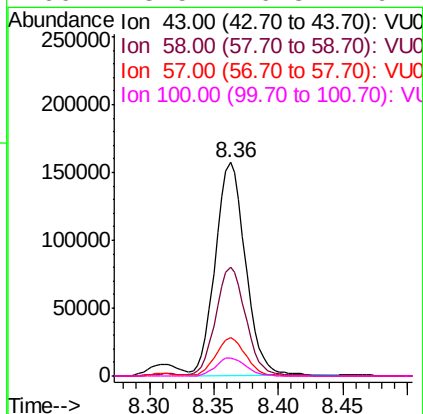
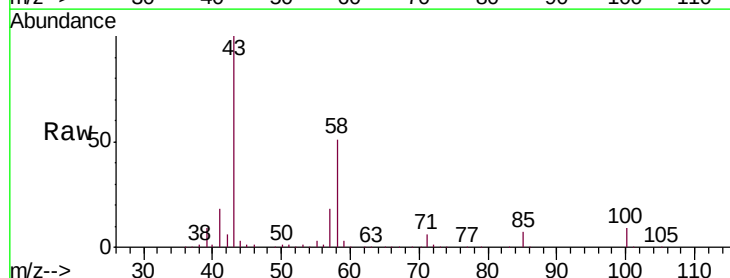
Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

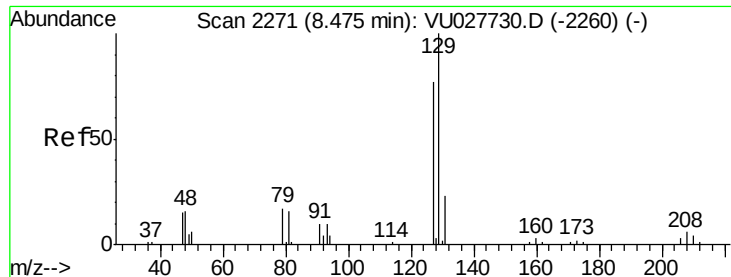
Tgt Ion:	164	Resp:	68187
Ion	Ratio	Lower	Upper
164	100		
129	94.0	68.5	127.3
131	89.8	67.1	124.5
166	127.4	92.2	171.2



#48
2-Hexanone
Concen: 199.349 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027731.D
Acq: 22 Oct 2018 09:51

Tgt Ion:	43	Resp:	256081
Ion	Ratio	Lower	Upper
43	100		
58	50.5	38.8	58.2
57	17.5	13.1	19.7
100	8.5	6.8	10.2





#49

Dibromochloromethane

Concen: 101.265 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

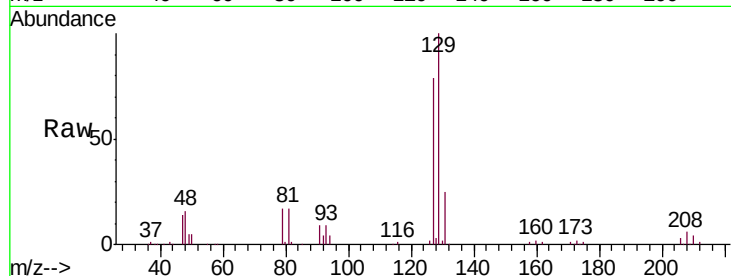
VSTD10055

Tgt Ion:129 Resp: 102152

Ion Ratio Lower Upper

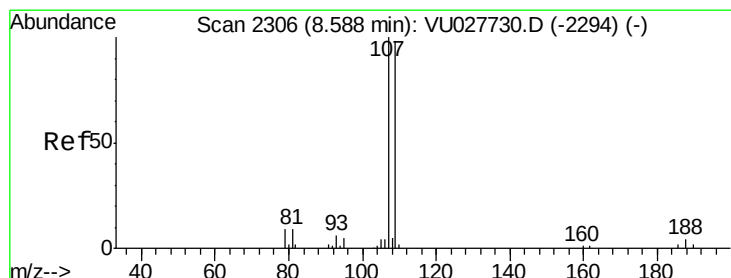
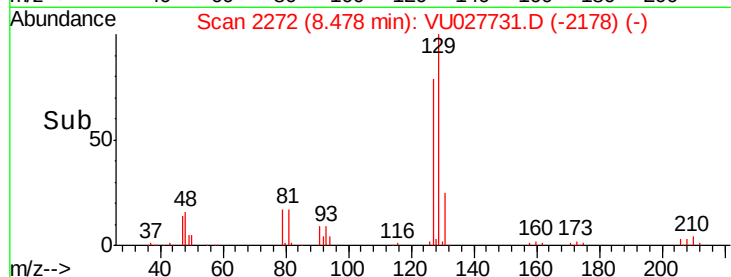
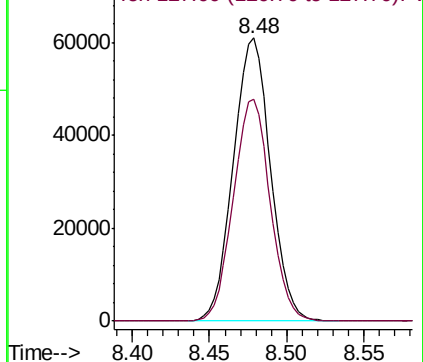
129 100

127 78.6 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: 102.933 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

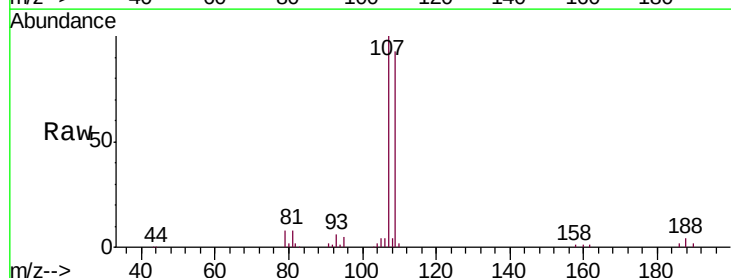
Tgt Ion:107 Resp: 93528

Ion Ratio Lower Upper

107 100

109 93.0 68.4 127.0

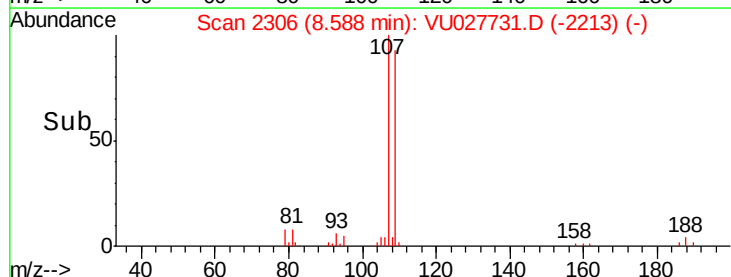
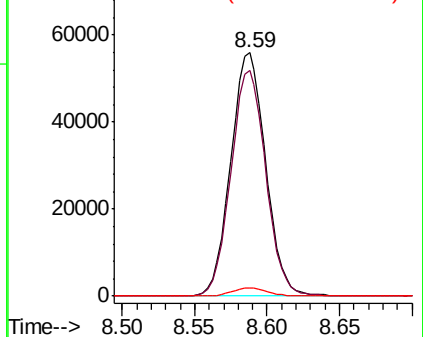
188 3.6 3.3 4.9

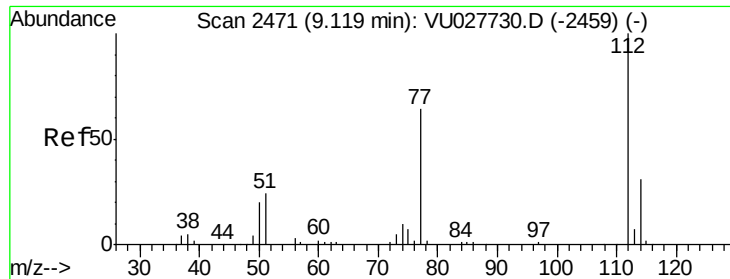


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 100.252 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

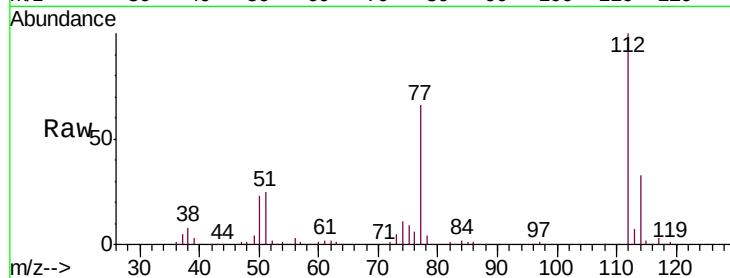
Tgt Ion: 112 Resp: 224529

Ion Ratio Lower Upper

112 100

114 32.6 21.9 40.7

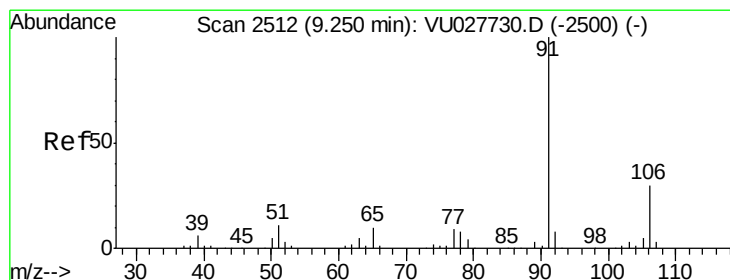
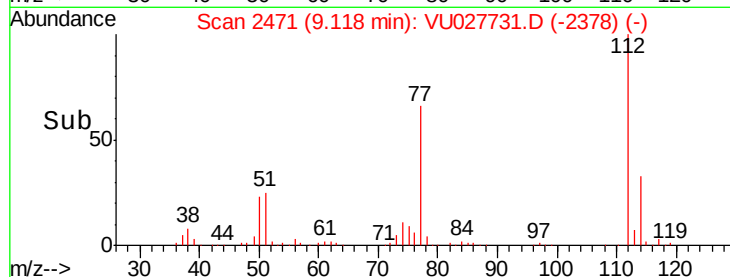
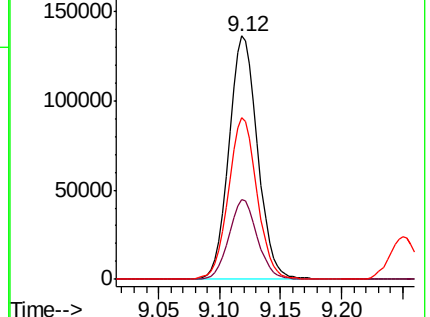
77 66.3 52.2 78.2



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): VU



#52

Ethylbenzene

Concen: 101.763 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027731.D

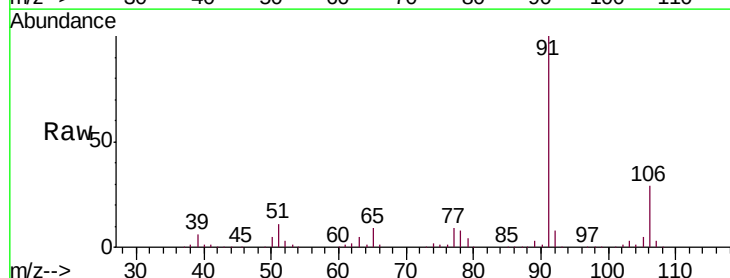
Acq: 22 Oct 2018 09:51

Tgt Ion: 91 Resp: 420511

Ion Ratio Lower Upper

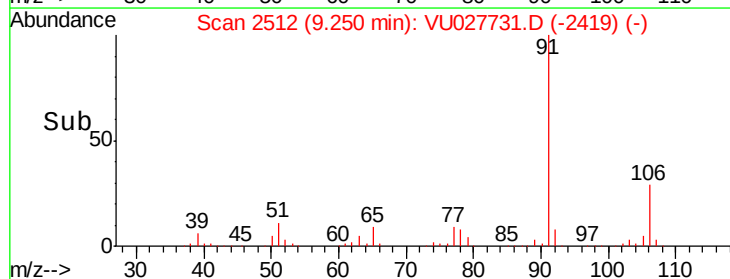
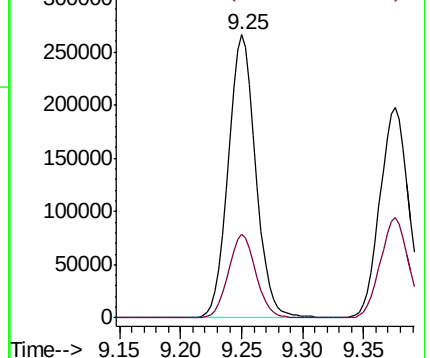
91 100

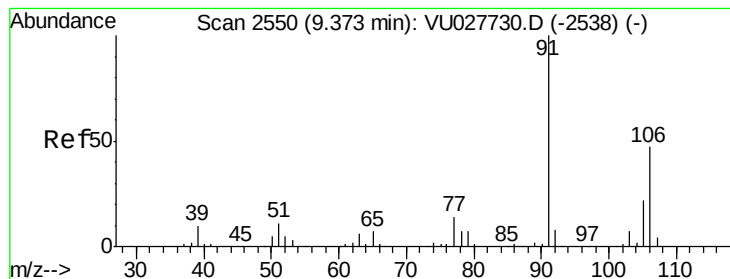
106 29.5 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 102.746 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

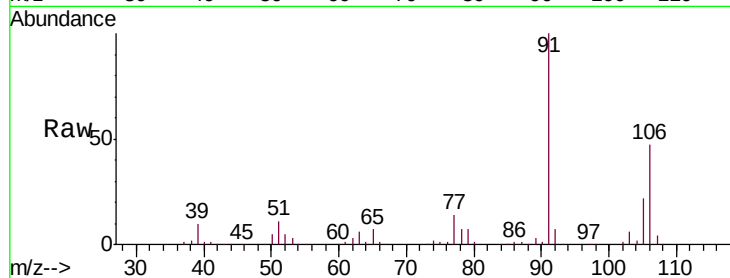
VSTD10055

Tgt Ion:106 Resp: 153377

Ion Ratio Lower Upper

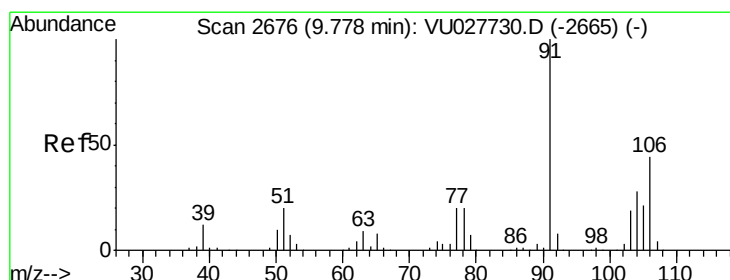
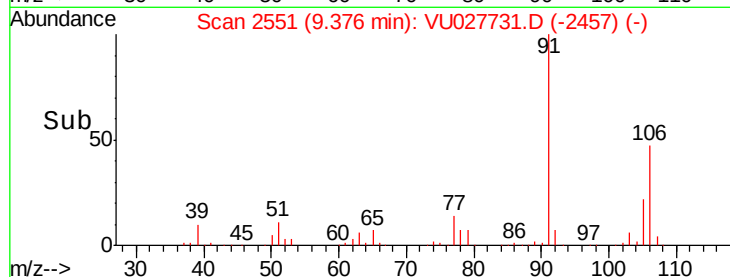
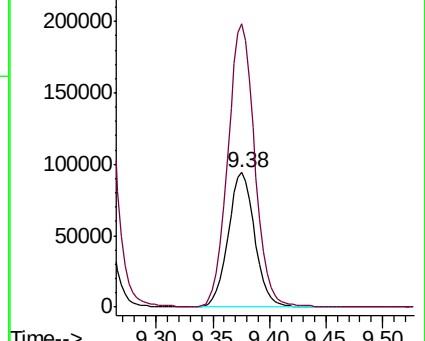
106 100

91 210.5 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 101.439 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027731.D

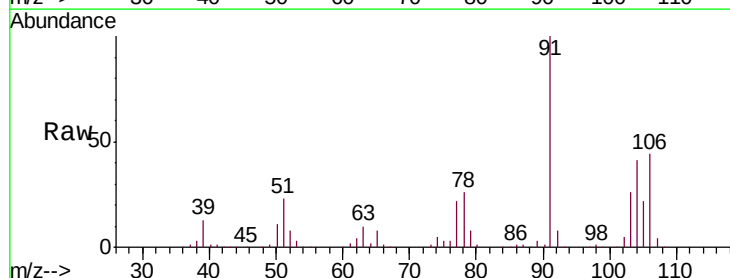
Acq: 22 Oct 2018 09:51

Tgt Ion:106 Resp: 150943

Ion Ratio Lower Upper

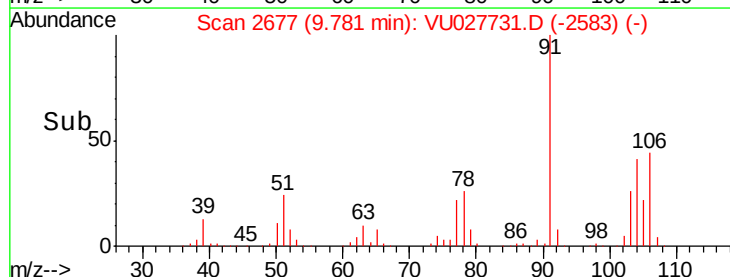
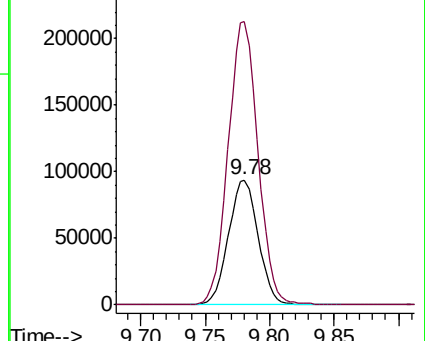
106 100

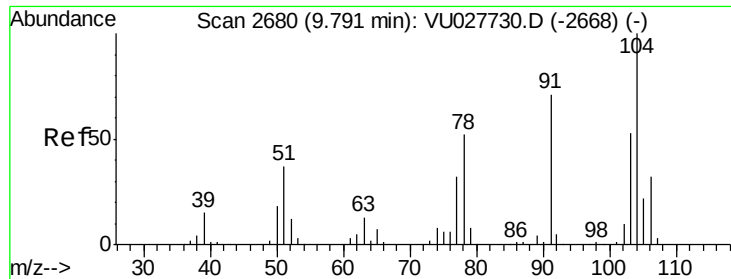
91 226.2 159.4 296.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 103.238 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

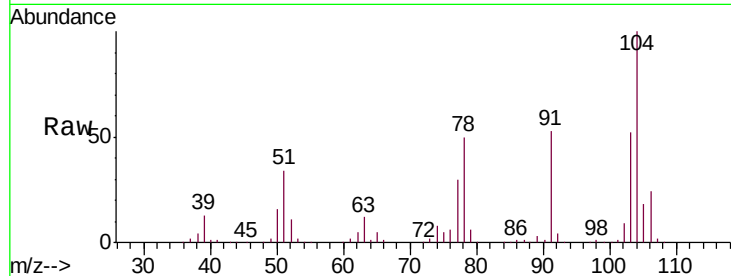
VSTD10055

Tgt Ion:104 Resp: 261482

Ion Ratio Lower Upper

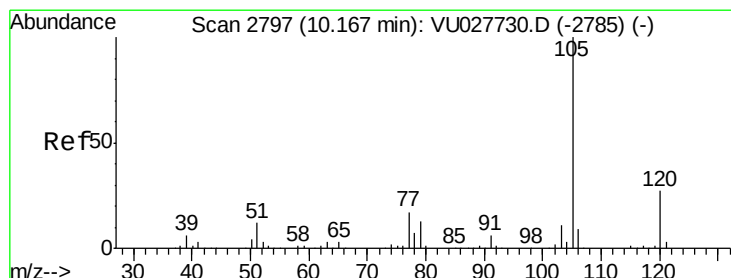
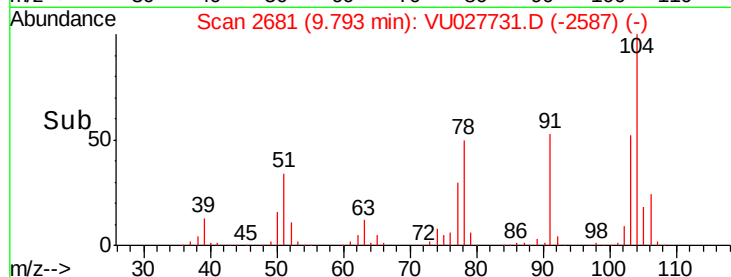
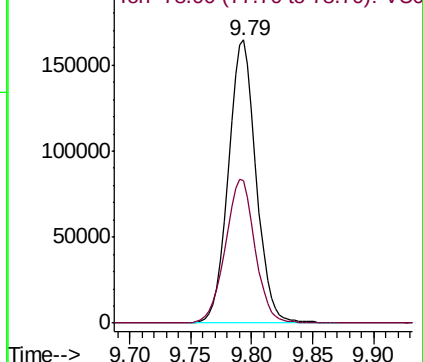
104 100

78 50.2 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: 103.126 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

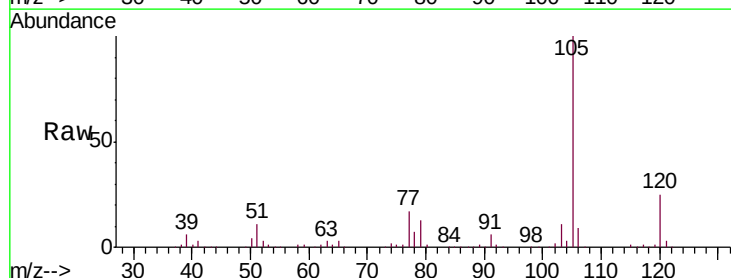
Tgt Ion:105 Resp: 406393

Ion Ratio Lower Upper

105 100

120 25.0 21.0 31.6

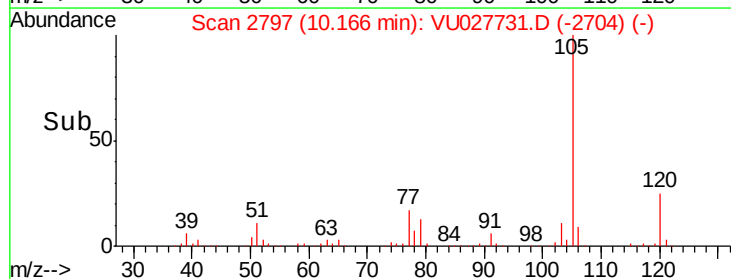
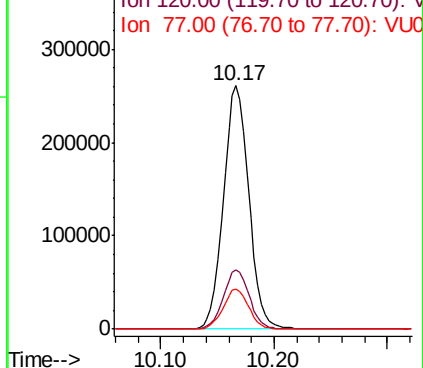
77 16.7 13.7 20.5

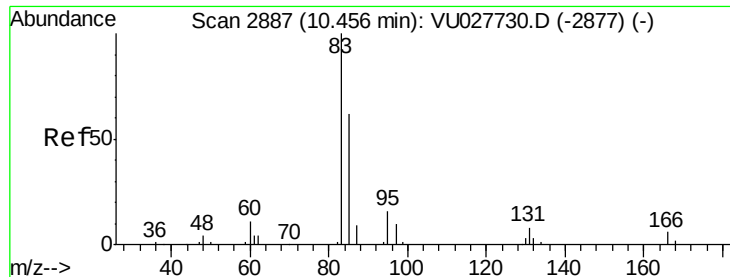


Abundance Ion 105.00 (104.70 to 105.70): V

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: 100.101 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

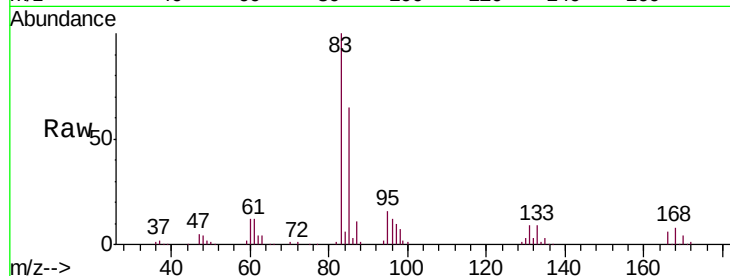
Tgt Ion: 83 Resp: 151540

Ion Ratio Lower Upper

83 100

85 64.8 44.6 82.8

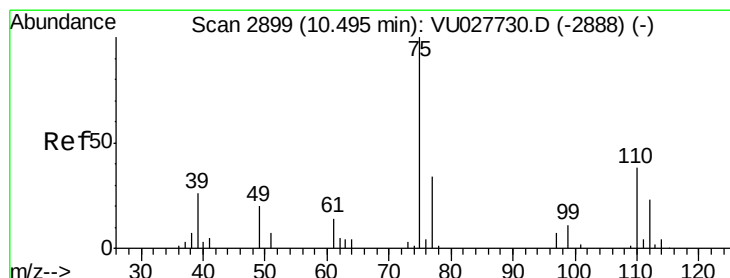
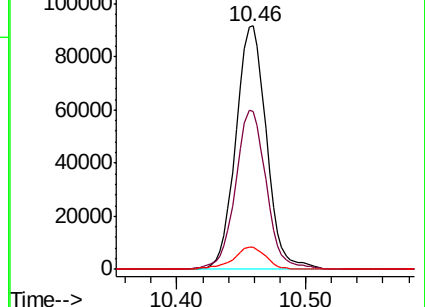
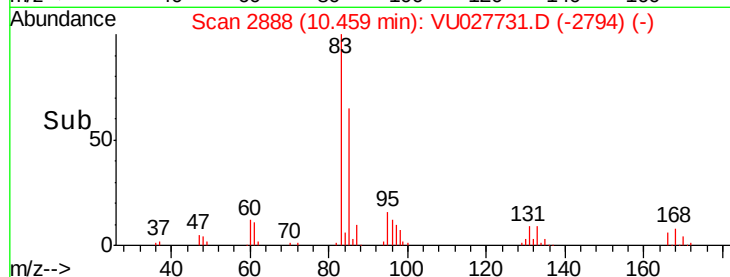
131 9.0 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VU027731.D (-2877) (-)

Ion 85.00 (84.70 to 85.70): VU027731.D (-2877) (-)

Ion 131.00 (130.70 to 131.70): VU027731.D (-2877) (-)



#59

1,2,3-Trichloropropane

Concen: 100.963 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027731.D

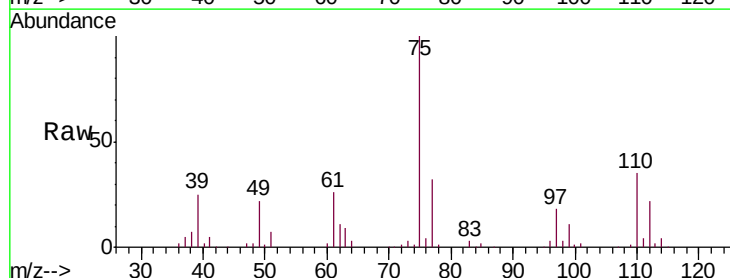
Acq: 22 Oct 2018 09:51

Tgt Ion: 75 Resp: 122978

Ion Ratio Lower Upper

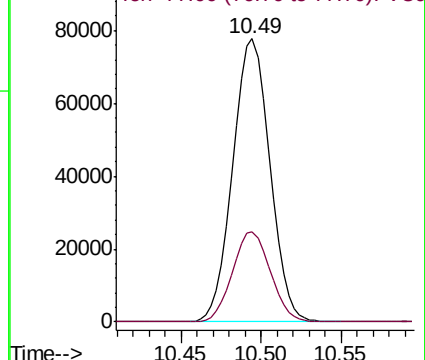
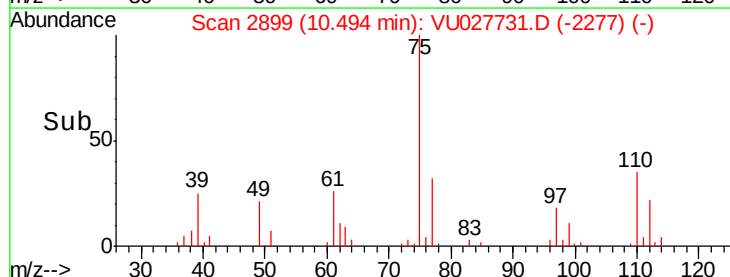
75 100

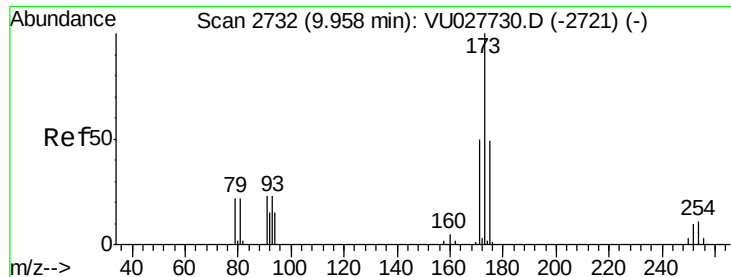
77 32.5 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU027731.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU027731.D (-2888) (-)





#61

Bromoform

Concen: 102.790 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

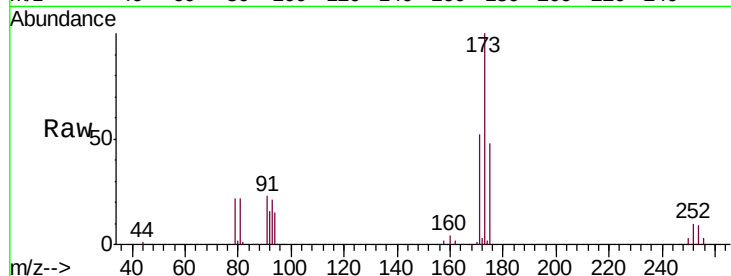
Tgt Ion:173 Resp: 80786

Ion Ratio Lower Upper

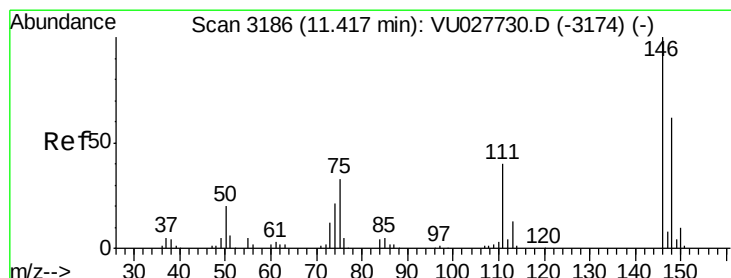
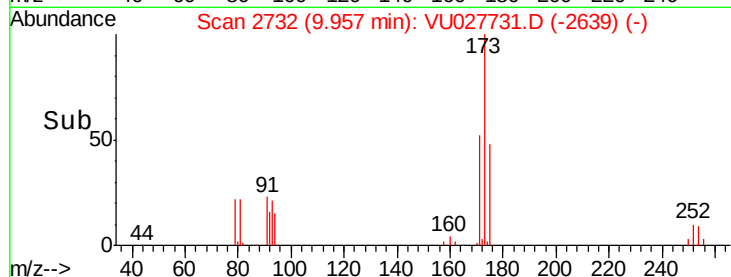
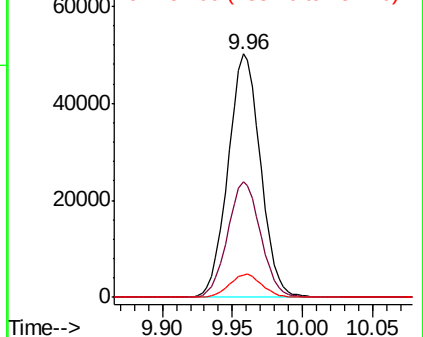
173 100

175 48.2 38.6 58.0

254 9.6 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: 101.164 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027731.D

Acq: 22 Oct 2018 09:51

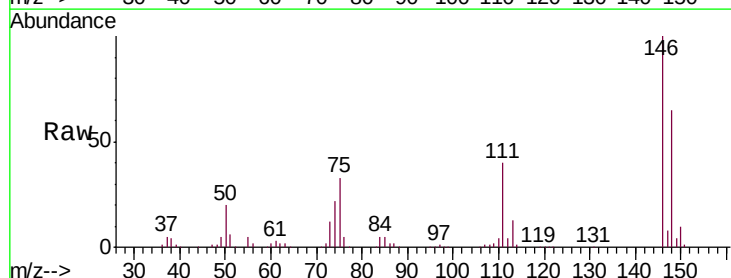
Tgt Ion:146 Resp: 178845

Ion Ratio Lower Upper

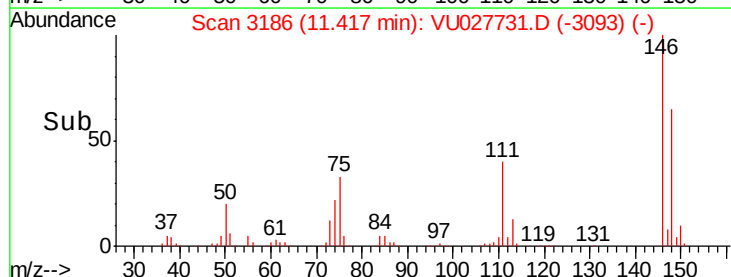
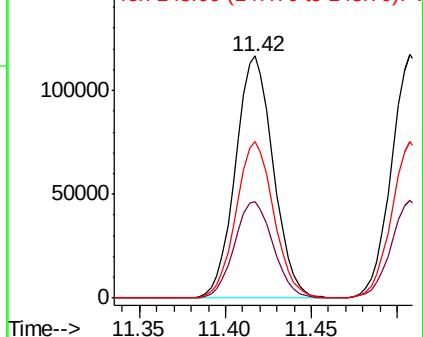
146 100

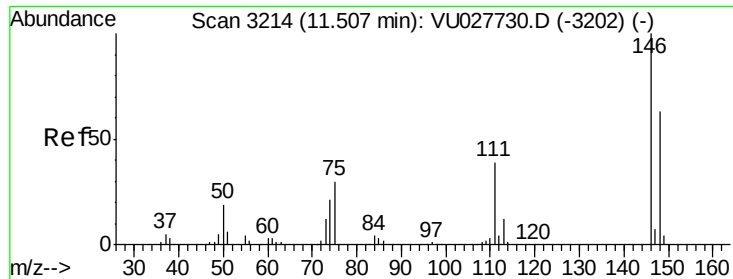
111 40.1 28.1 52.3

148 64.5 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

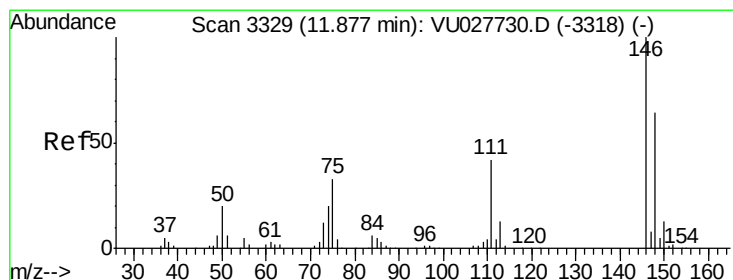
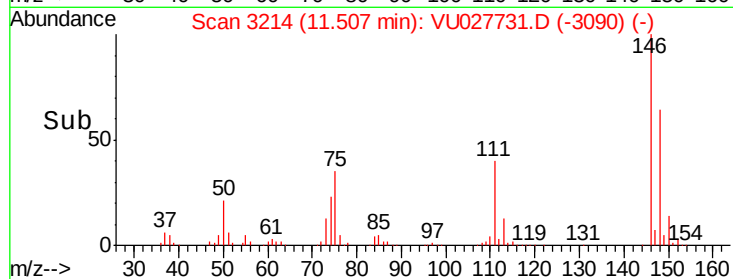
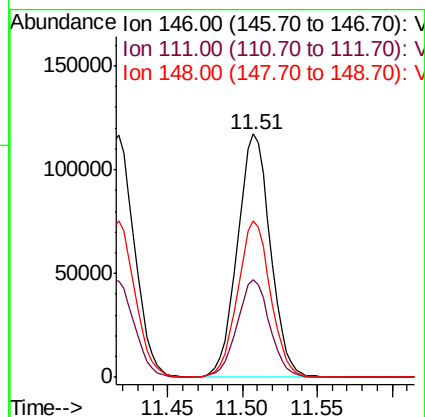
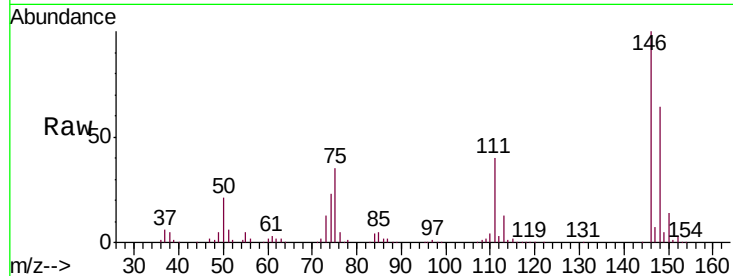




#63
 1,4-Dichlorobenzene
 Concen: 100.021 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

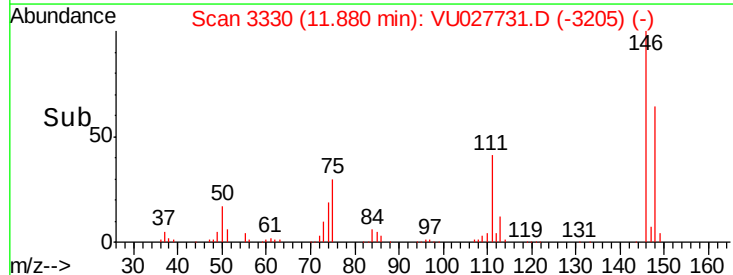
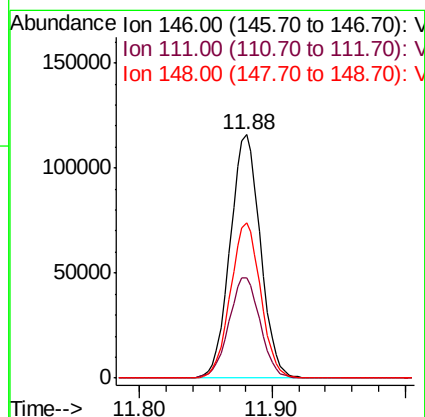
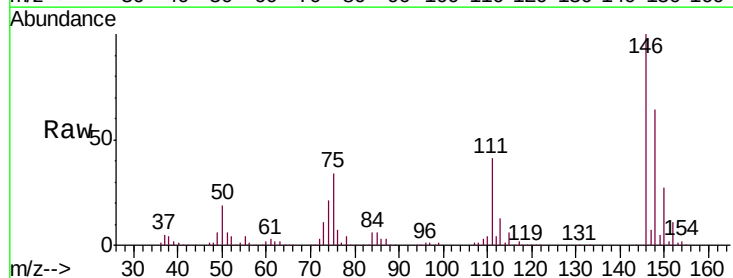
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

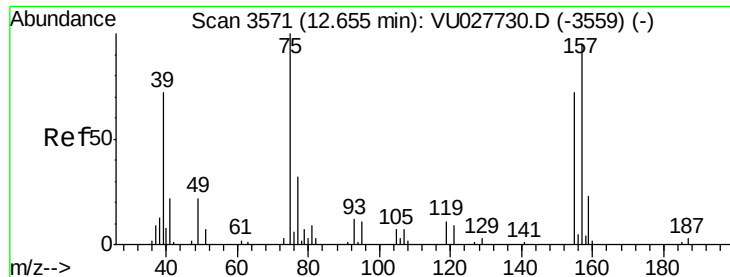
Tgt Ion:146 Resp: 180304
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.5 51.1
 148 64.1 44.1 81.9



#65
 1,2-Dichlorobenzene
 Concen: 100.888 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

Tgt Ion:146 Resp: 183449
 Ion Ratio Lower Upper
 146 100
 111 41.1 33.8 50.8
 148 63.8 51.5 77.3

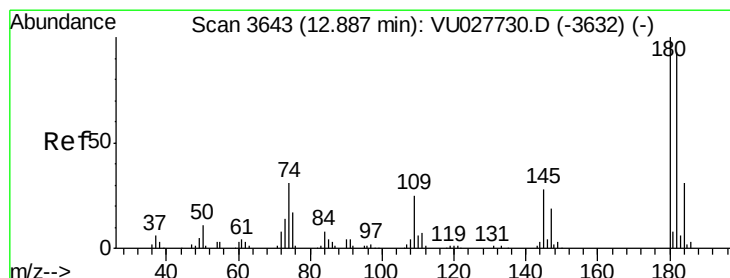
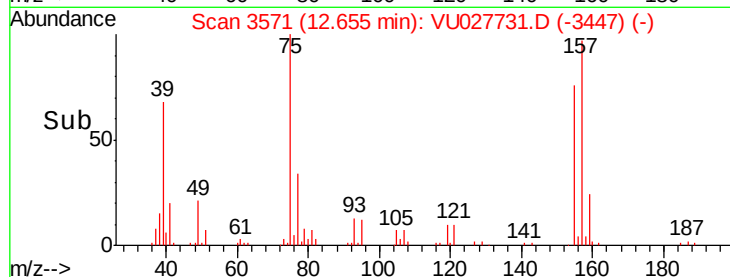
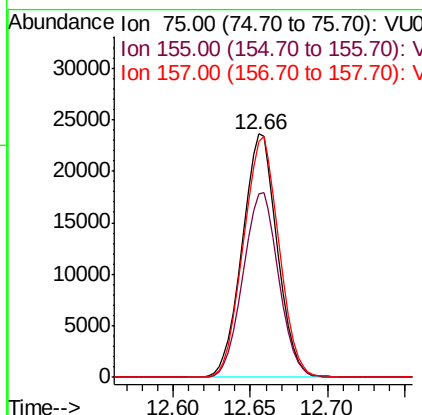
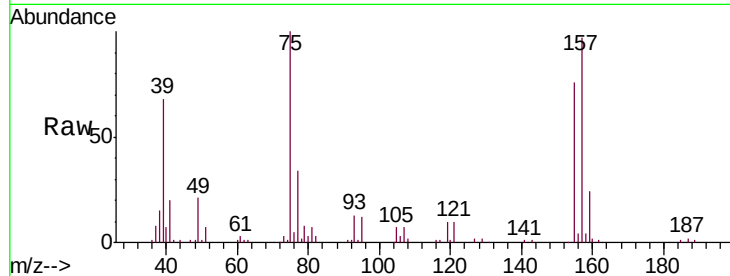




#66
 1,2-Dibromo-3-chloropropane
 Concen: 97.829 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

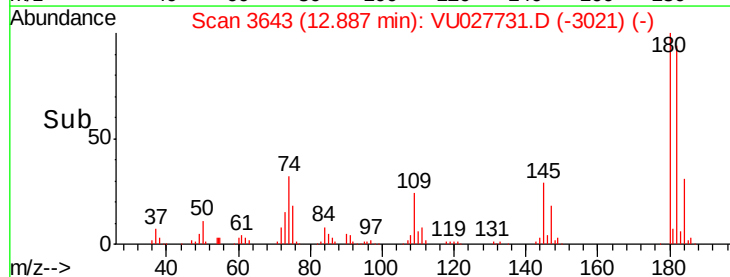
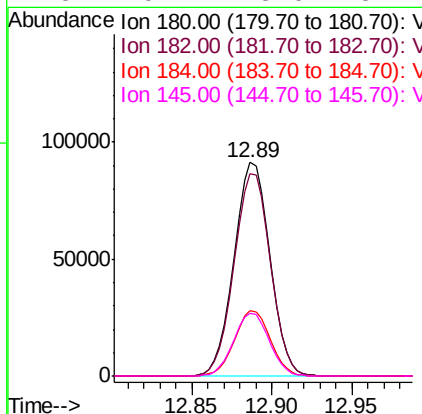
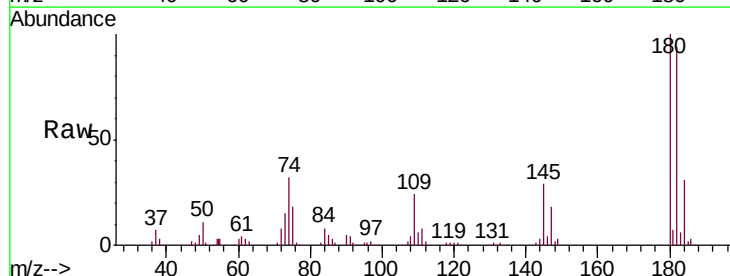
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

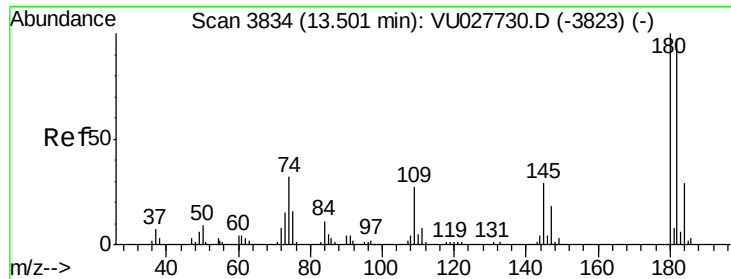
Tgt Ion: 75 Resp: 37066
 Ion Ratio Lower Upper
 75 100
 155 75.6 57.4 86.2
 157 97.1 75.9 113.9



#67
 1,3,5-Trichlorobenzene
 Concen: 101.994 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

Tgt Ion: 180 Resp: 139457
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.9 113.9
 184 30.6 24.7 37.1
 145 29.2 23.0 34.4

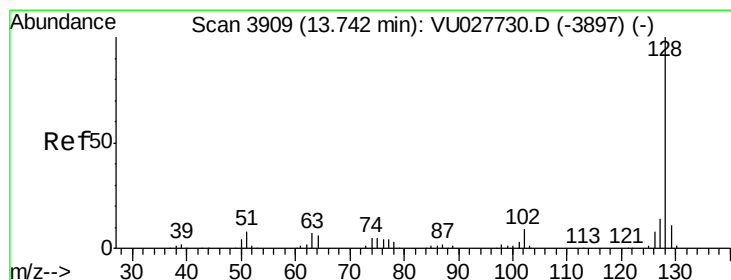
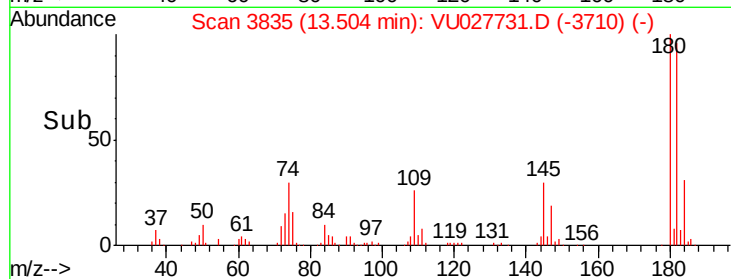
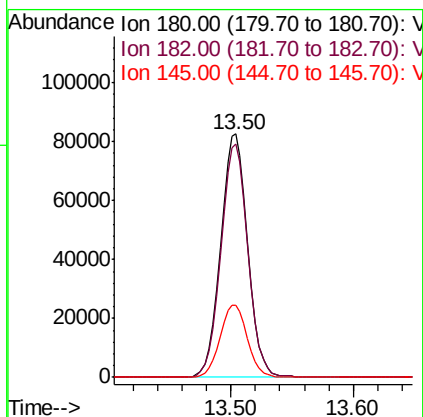
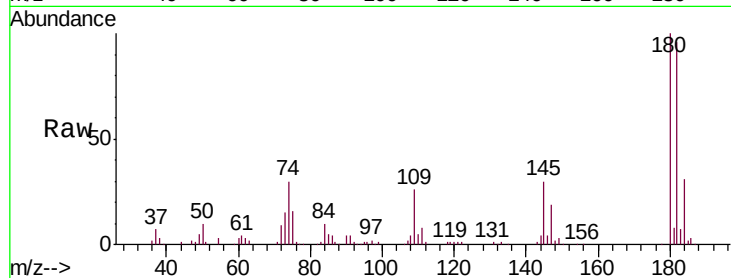




#68
 1,2,4-trichlorobenzene
 Concen: 105.847 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

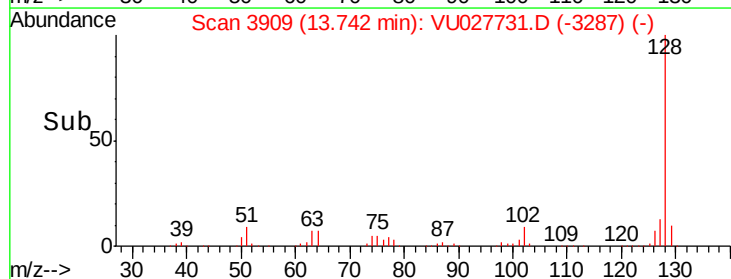
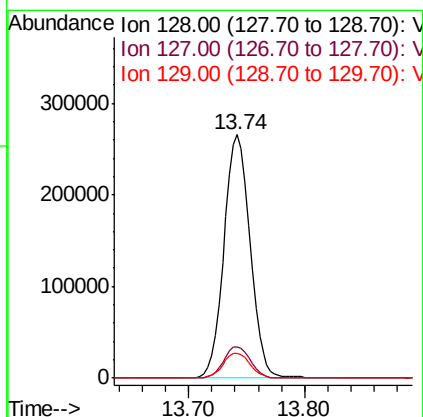
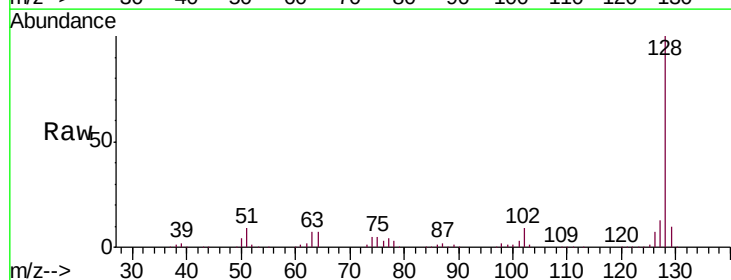
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

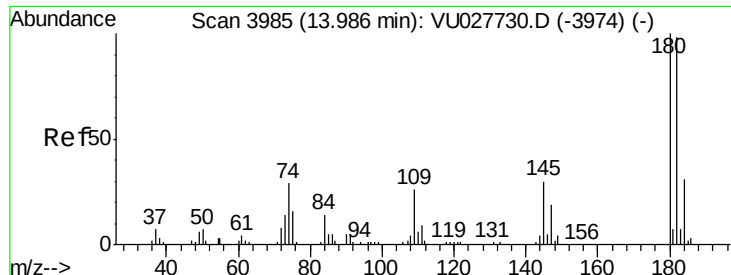
Tgt Ion:180 Resp: 128481
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.1 115.7
 145 30.1 23.4 35.0



#69
 Naphthalene
 Concen: 106.375 ug/L
 RT: 13.74 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

Tgt Ion:128 Resp: 417044
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.9 16.3
 129 10.6 8.7 13.1





#70
 1,2,3-Trichlorobenzene
 Concen: 105.379 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. -0.00 min
 Lab File: VU027731.D
 Acq: 22 Oct 2018 09:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.8	116.6
145	31.1	25.0	37.4

