

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025062.D
 Acq On : 29 Jun 2018 10:57
 Operator : MD/SY
 Sample : VSTD01041
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

Quant Time: Jun 29 23:18:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:18:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	369192	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	329452	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	156965	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	21029	9.84	ug/L	0.00
7) Chloroethane-d5	1.68	69	18010	10.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	46763	10.79	ug/L	0.00
21) 2-Butanone-d5	4.18	46	33966	18.75	ug/L	0.00
24) Chloroform-d	4.65	84	44195	10.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	31939	11.41	ug/L	0.00
32) Benzene-d6	5.35	84	87606	10.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	28731	10.64	ug/L	0.00
41) Toluene-d8	7.57	98	85161	10.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	13867	10.10	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	24075	17.67	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	37686	9.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	32875	10.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	34988	11.468 ug/L	98
3) Chloromethane	1.33	50	28670	10.679 ug/L	98
5) Vinyl chloride	1.40	62	28426	9.907 ug/L	99
6) Bromomethane	1.63	94	15624	11.178 ug/L	98
8) Chloroethane	1.70	64	17685	10.413 ug/L	97
9) Trichlorofluoromethane	1.89	101	43280	10.232 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	25630	10.654 ug/L	99
12) 1,1-Dichloroethene	2.29	96	23071	10.462 ug/L	90
13) Acetone	2.32	43	39897	20.830 ug/L	99
14) Carbon disulfide	2.48	76	68192	9.618 ug/L	96
15) Methyl Acetate	2.62	43	29786	10.209 ug/L	99
16) Methylene chloride	2.71	84	27036	10.036 ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	24829	10.050 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	87339	10.680 ug/L	100
19) 1,1-Dichloroethane	3.45	63	46725	10.165 ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	28003	9.710 ug/L	99
22) 2-Butanone	4.27	43	45444	18.850 ug/L	99
23) Bromochloromethane	4.55	128	14742	10.176 ug/L	98
25) Chloroform	4.68	83	51122	10.696 ug/L	98
27) 1,2-Dichloroethane	5.41	62	42783	11.446 ug/L	99
29) Cyclohexane	5.00	56	44097	10.762 ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	44875	11.001 ug/L	100
31) Carbon tetrachloride	5.14	117	38046	10.259 ug/L	99
33) Benzene	5.39	78	102886	10.571 ug/L	100
34) Trichloroethene	6.19	95	27287	10.193 ug/L	98
35) Methylcyclohexane	6.42	83	44080	10.230 ug/L	99
37) 1,2-Dichloropropane	6.44	63	27238	10.107 ug/L	# 95
38) Bromodichloromethane	6.76	83	35450	9.976 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	41548	9.754 ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	78286	19.639 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

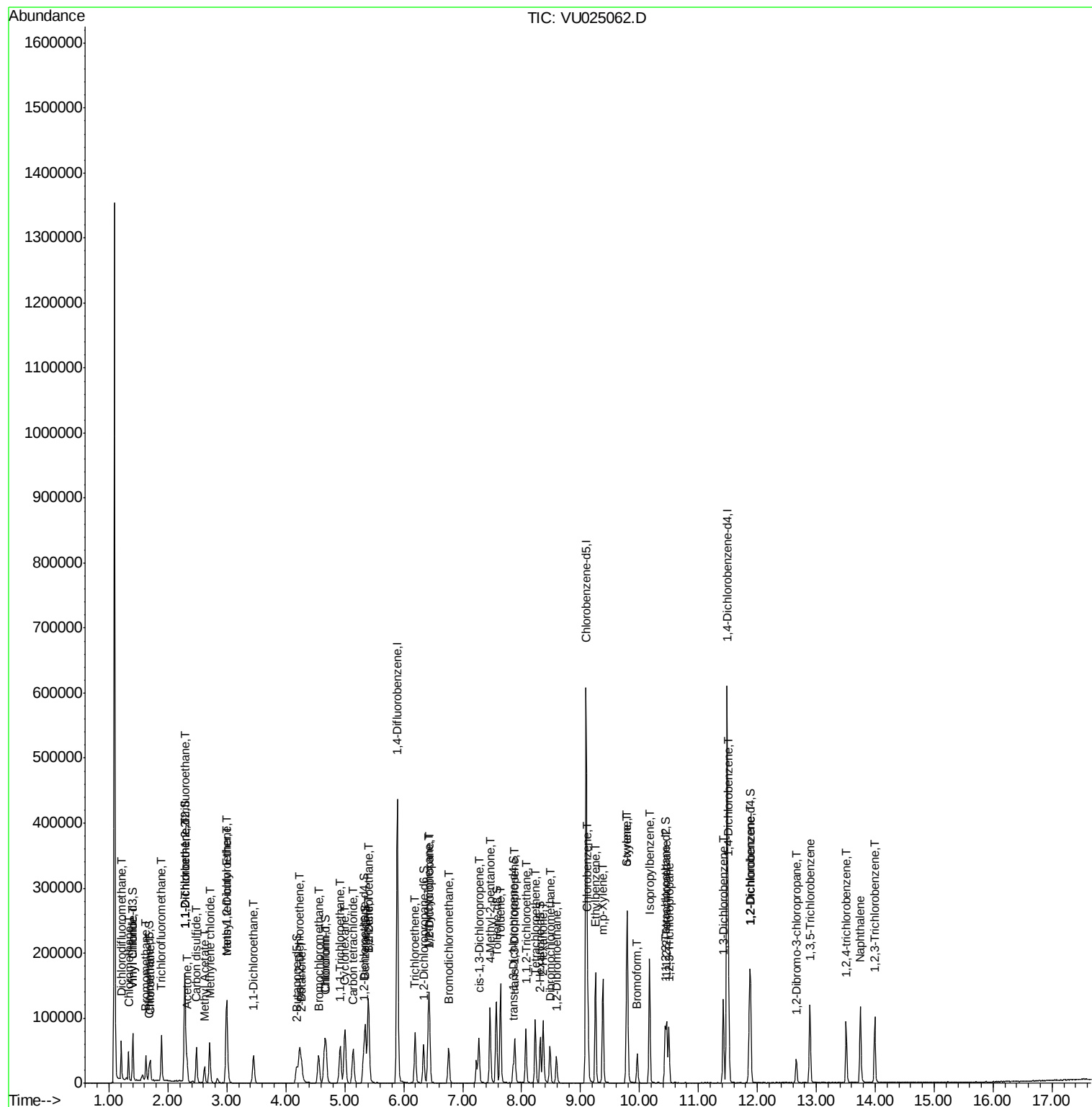
42) Toluene	7.64	91	109620	10.143	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	38229	9.881	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	25672	10.090	ug/L	96
46) Tetrachloroethene	8.23	164	22086	9.825	ug/L	96
48) 2-Hexanone	8.36	43	59471	18.456	ug/L	97
49) Dibromochloromethane	8.48	129	28911	9.379	ug/L	94
50) 1,2-Dibromoethane	8.59	107	28831	10.353	ug/L	97
51) Chlorobenzene	9.12	112	72320	10.034	ug/L	99
52) Ethylbenzene	9.25	91	119819	9.694	ug/L	99
53) m,p-Xylene	9.38	106	46342	9.741	ug/L	95
54) o-xylene	9.78	106	46879	9.942	ug/L	99
55) Styrene	9.80	104	72882	9.185	ug/L	93
56) Isopropylbenzene	10.17	105	121033	9.742	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	41869	9.606	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	33824	9.817	ug/L	99
61) Bromoform	9.96	173	20450	9.035	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	53063	10.042	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	53429	10.067	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	57237	10.666	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	9138	9.776	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	36849	8.921	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	29460	8.643	ug/L	98
69) Naphthalene	13.75	128	100541	10.240	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	32112	9.180	ug/L	98

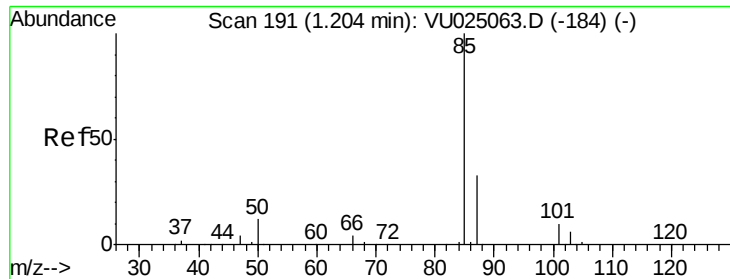
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 11.468 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

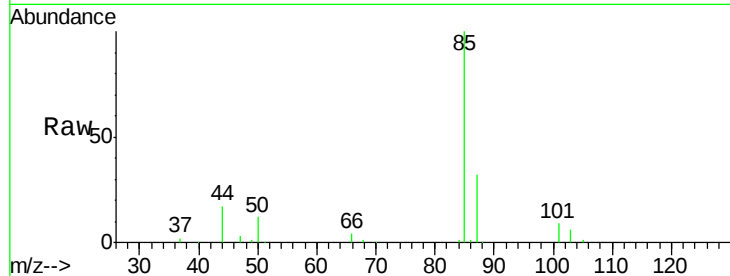
VSTD01041

Tgt Ion: 85 Resp: 34988

Ion Ratio Lower Upper

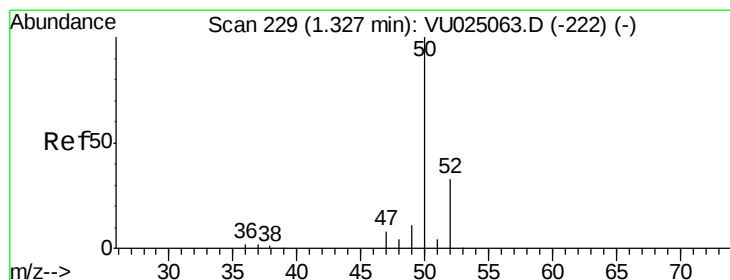
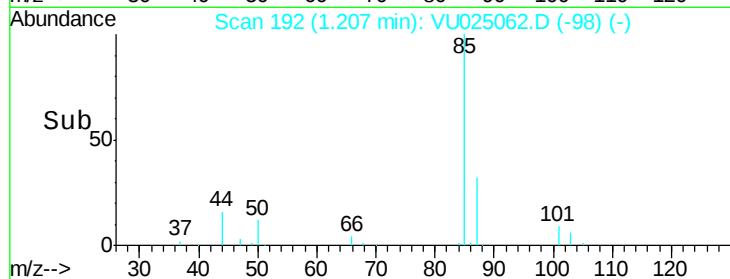
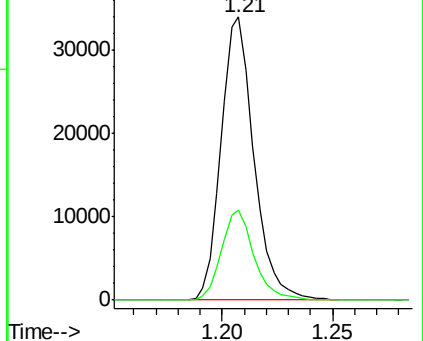
85 100

87 31.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 10.679 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025062.D

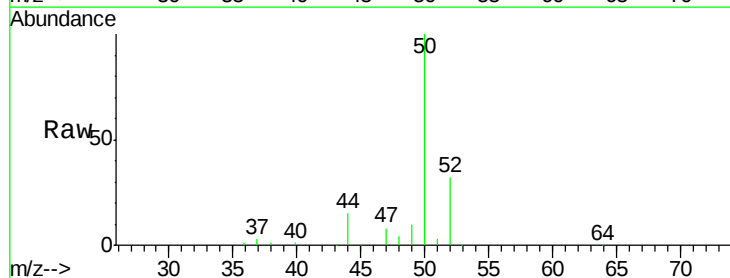
Acq: 29 Jun 2018 10:57

Tgt Ion: 50 Resp: 28670

Ion Ratio Lower Upper

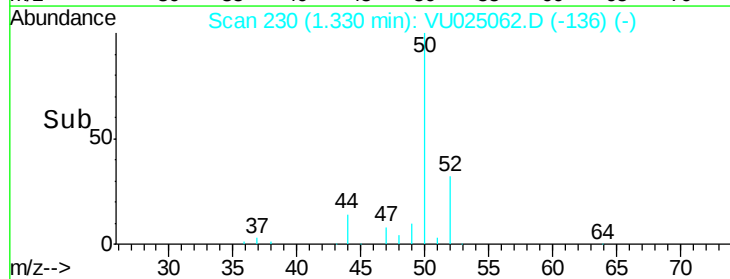
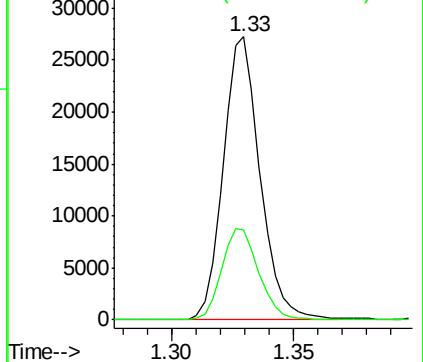
50 100

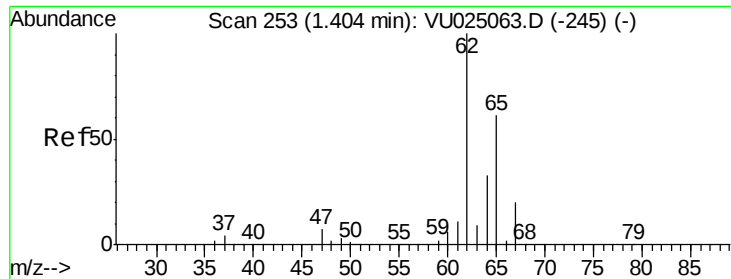
52 31.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 9.907 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

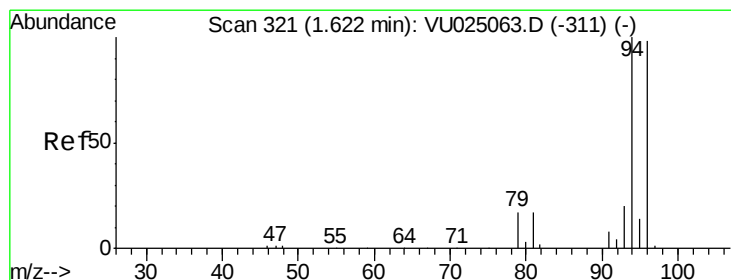
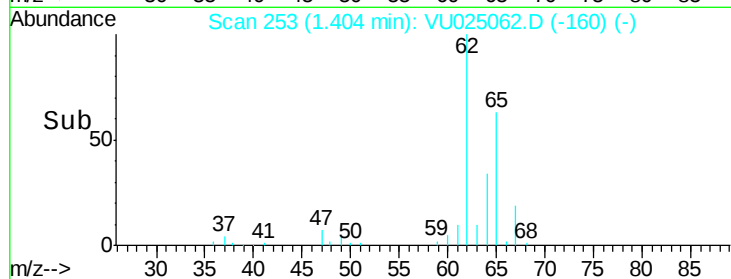
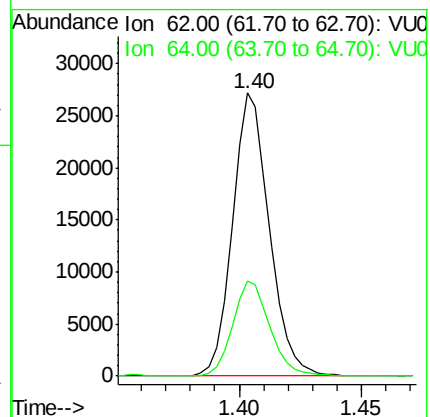
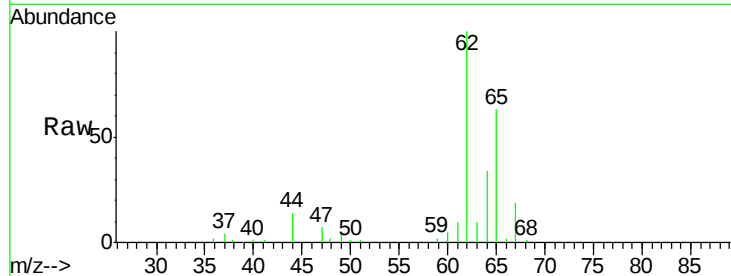
VSTD01041

Tgt Ion: 62 Resp: 28426

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.8



#6

Bromomethane

Concen: 11.178 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU025062.D

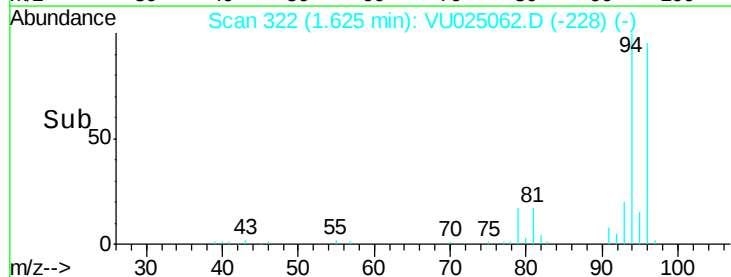
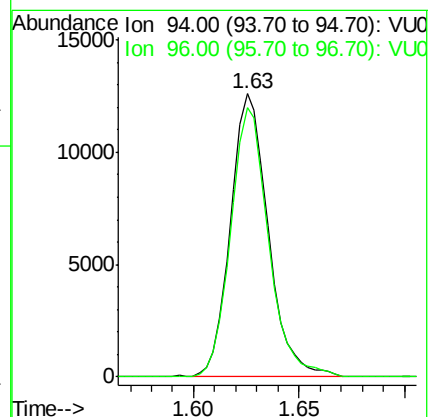
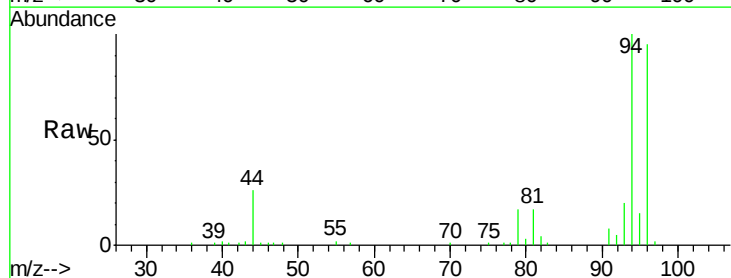
Acq: 29 Jun 2018 10:57

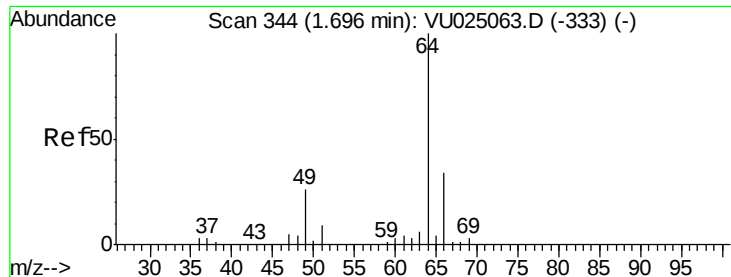
Tgt Ion: 94 Resp: 15624

Ion Ratio Lower Upper

94 100

96 95.3 68.4 127.0





#8

Chloroethane

Concen: 10.413 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

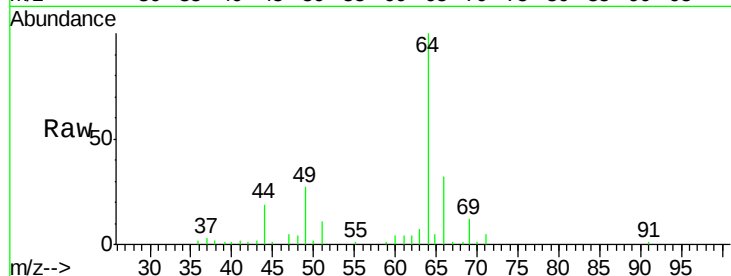
VSTD01041

Tgt Ion: 64 Resp: 17685

Ion Ratio Lower Upper

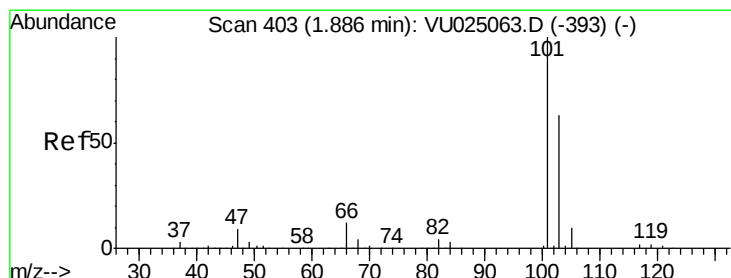
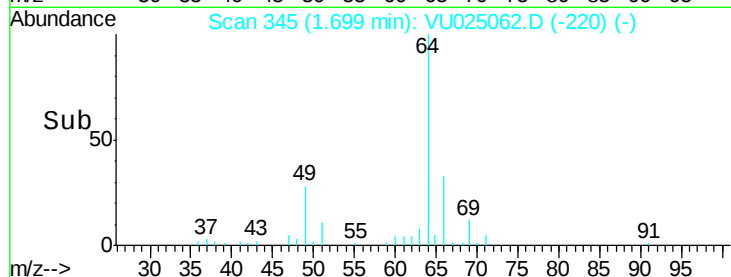
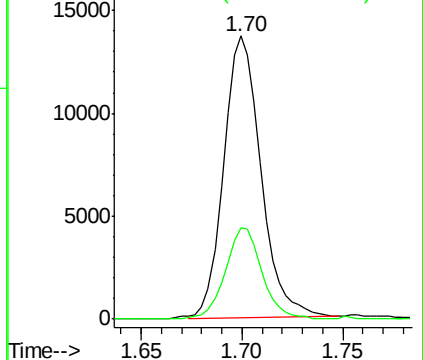
64 100

66 32.4 23.8 44.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 10.232 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025062.D

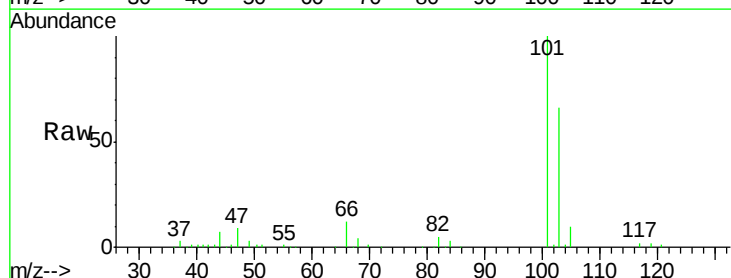
Acq: 29 Jun 2018 10:57

Tgt Ion: 101 Resp: 43280

Ion Ratio Lower Upper

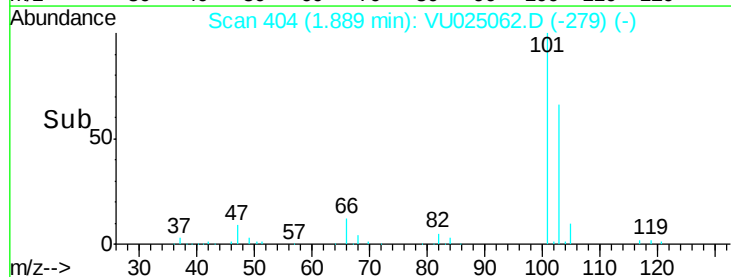
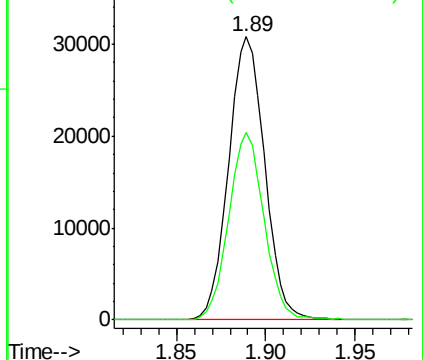
101 100

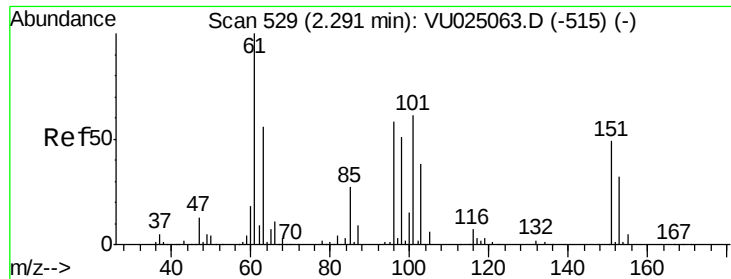
103 64.6 51.1 76.7



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: 10.654 ug/L

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

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VSTD01041

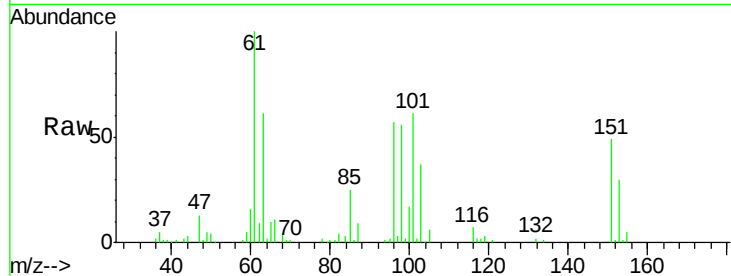
Tgt Ion: 101 Resp: 25630

Ion Ratio Lower Upper

101 100

85 42.8 35.8 53.6

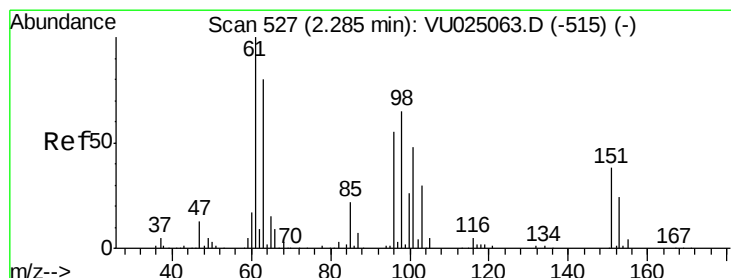
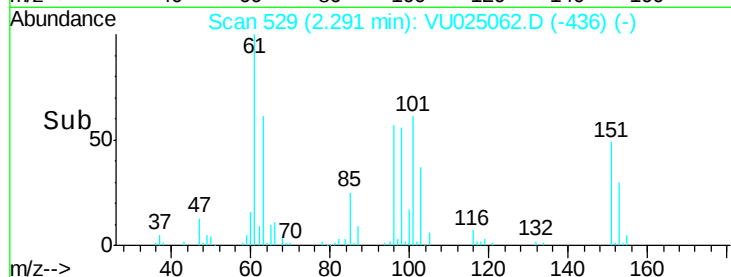
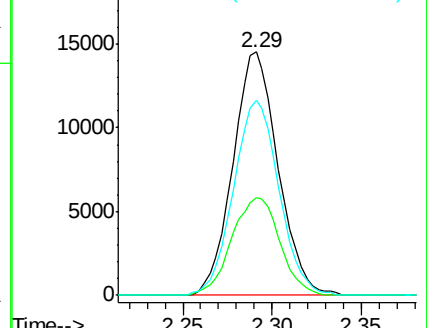
151 80.9 64.6 96.8



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: 10.462 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

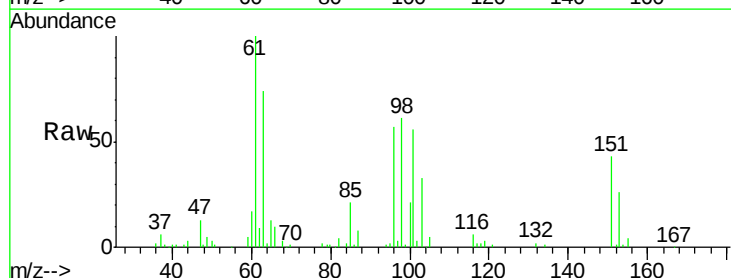
Tgt Ion: 96 Resp: 23071

Ion Ratio Lower Upper

96 100

61 174.5 128.1 237.9

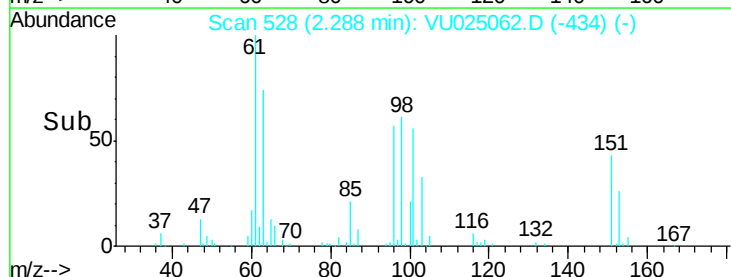
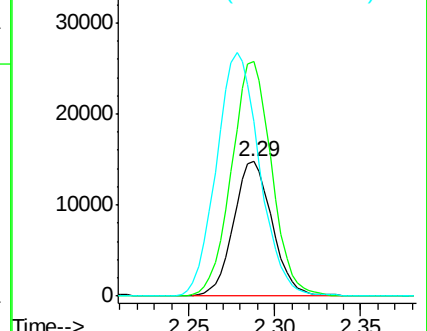
63 129.6 103.6 192.4

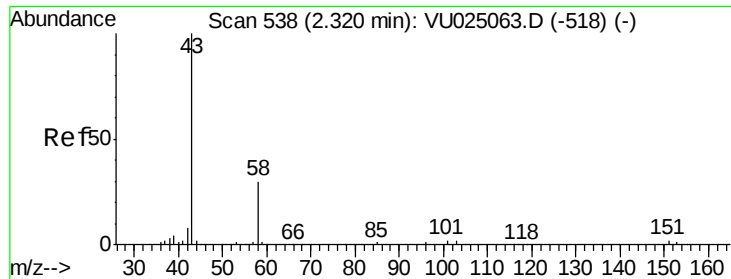


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 20.830 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

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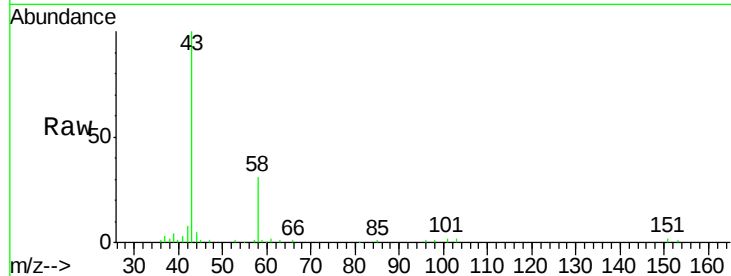
VSTD01041

Tgt Ion: 43 Resp: 39897

Ion Ratio Lower Upper

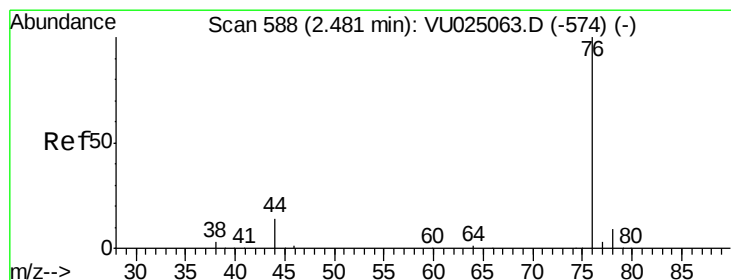
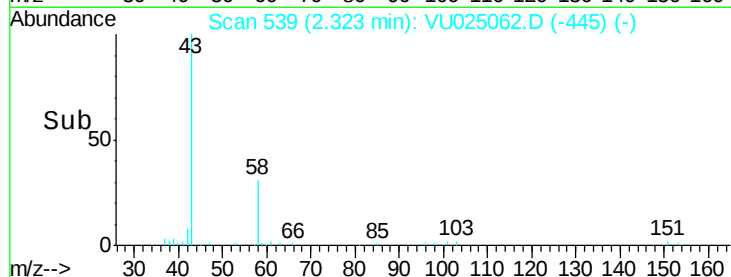
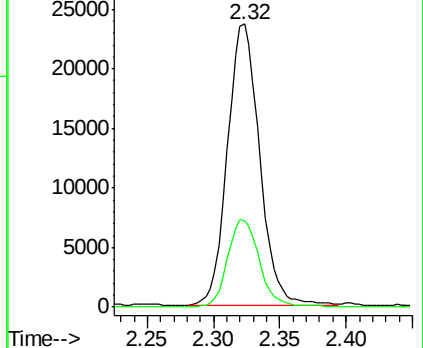
43 100

58 30.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 9.618 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025062.D

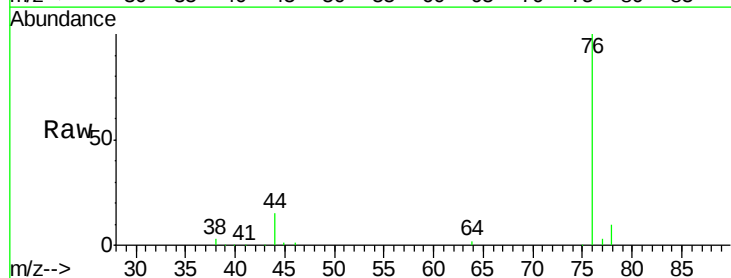
Acq: 29 Jun 2018 10:57

Tgt Ion: 76 Resp: 68192

Ion Ratio Lower Upper

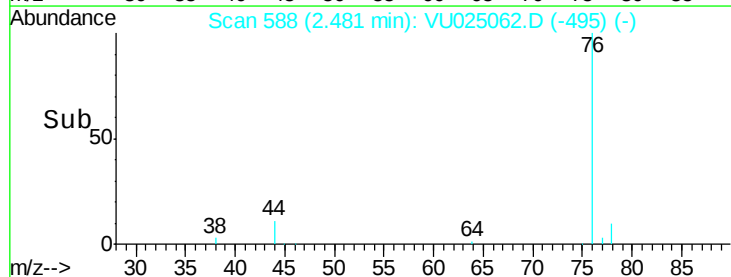
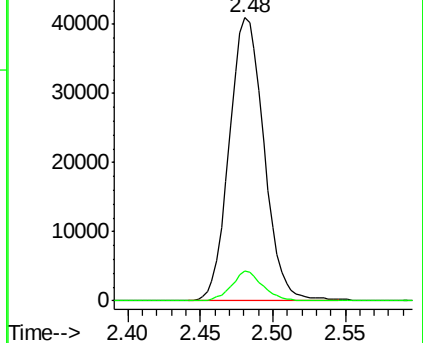
76 100

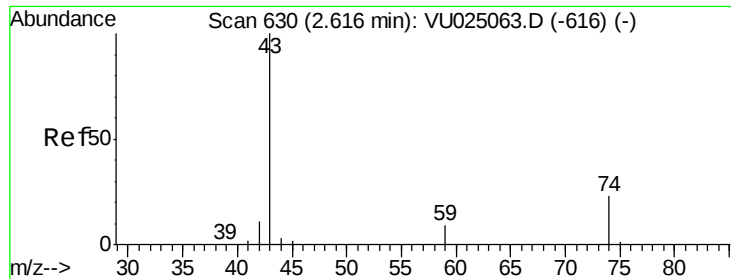
78 10.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

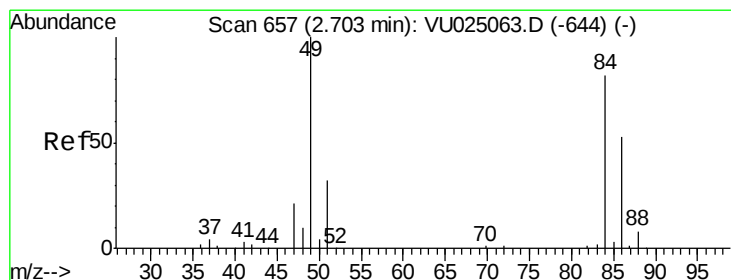
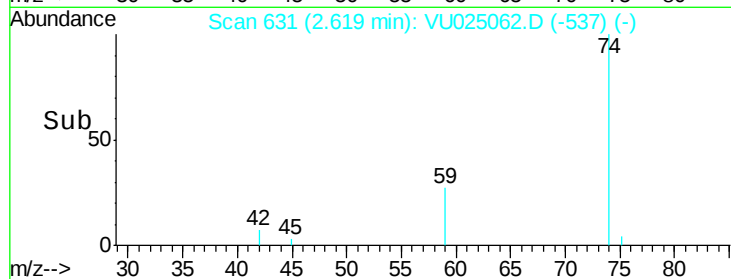
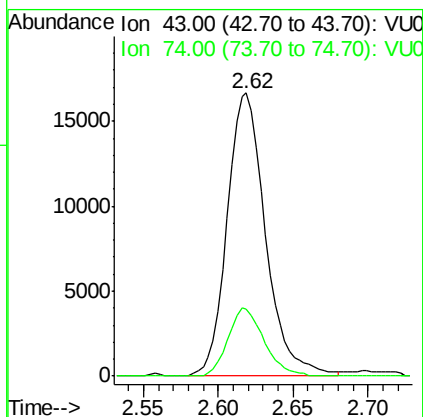
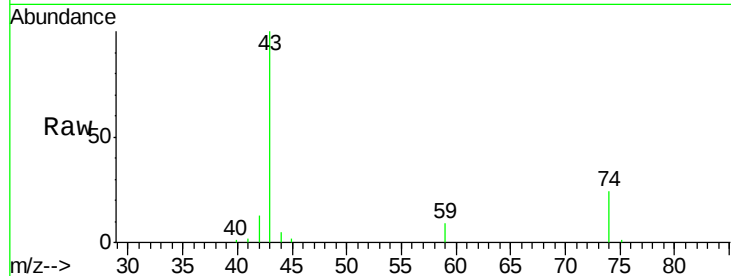




#15
Methyl Acetate
Concen: 10.209 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

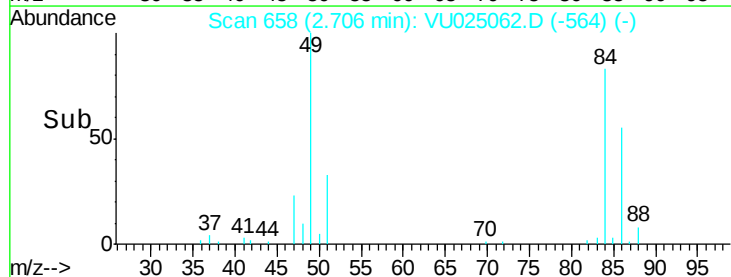
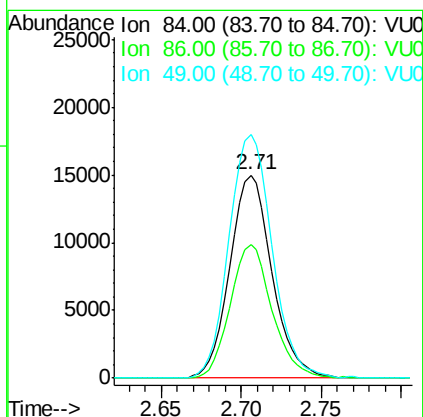
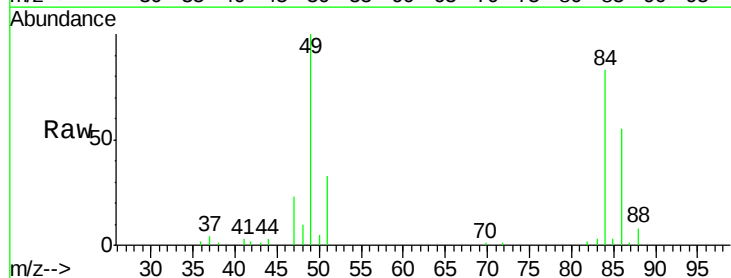
Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

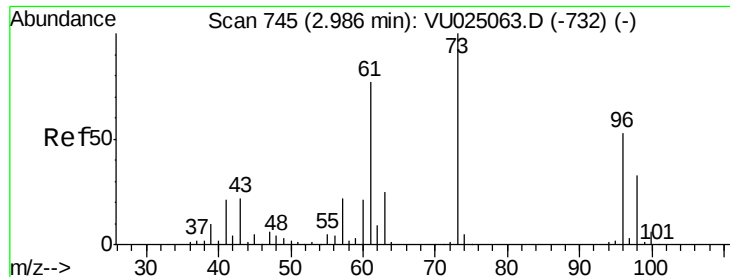
Tgt Ion: 43 Resp: 29786
Ion Ratio Lower Upper
43 100
74 22.6 18.6 28.0



#16
Methylene chloride
Concen: 10.036 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Tgt Ion: 84 Resp: 27036
Ion Ratio Lower Upper
84 100
86 65.7 44.9 83.5
49 119.8 85.6 159.0

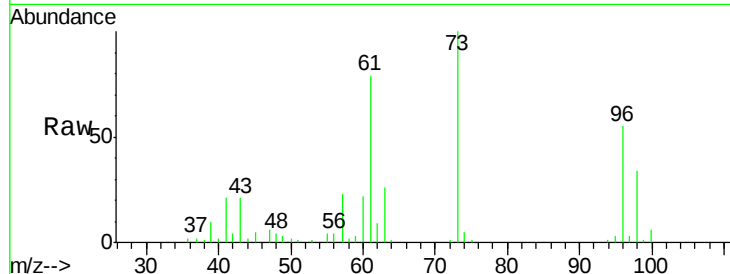




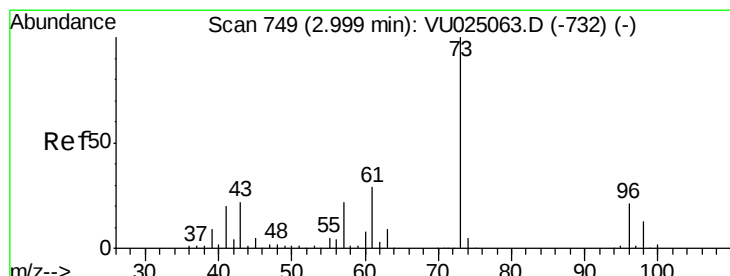
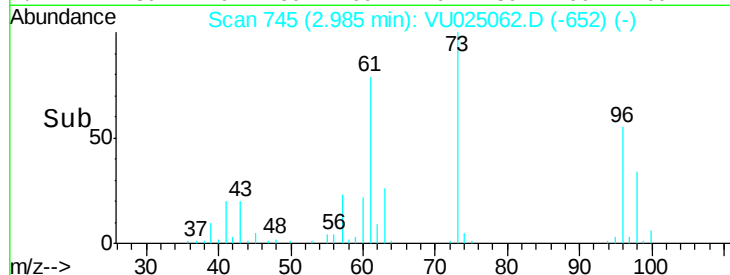
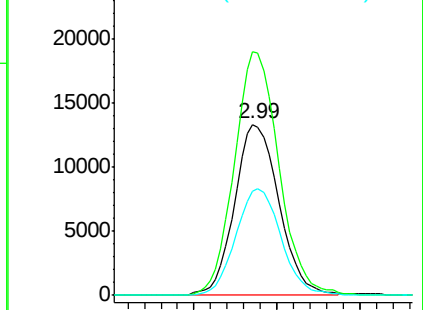
#17
trans-1,2-Dichloroethene
Concen: 10.050 ug/L
RT: 2.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

Tgt Ion: 96 Resp: 24829
Ion Ratio Lower Upper
96 100
61 142.3 102.7 190.7
98 60.6 44.4 82.5

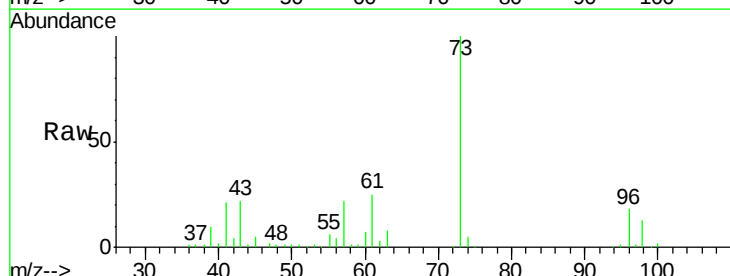


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

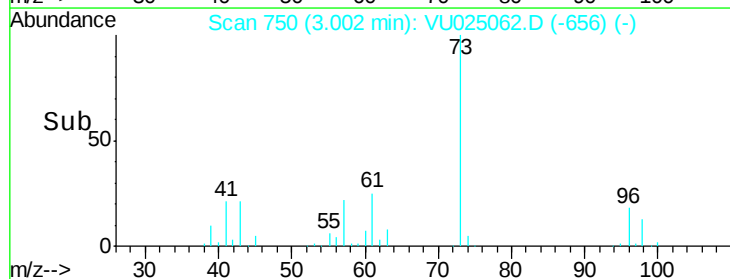
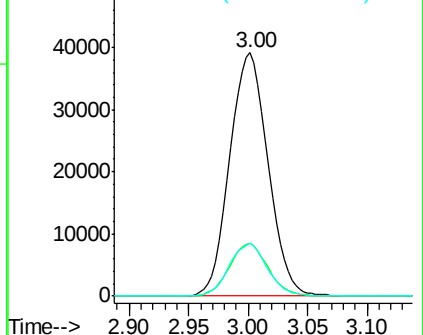


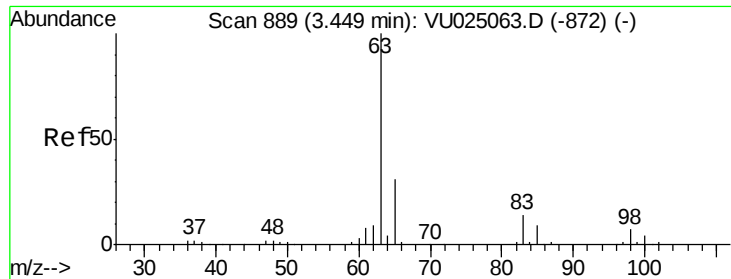
#18
Methyl tert-butyl Ether
Concen: 10.680 ug/L
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Tgt Ion: 73 Resp: 87339
Ion Ratio Lower Upper
73 100
43 21.7 17.2 25.8
57 21.5 17.2 25.8



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: 10.165 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

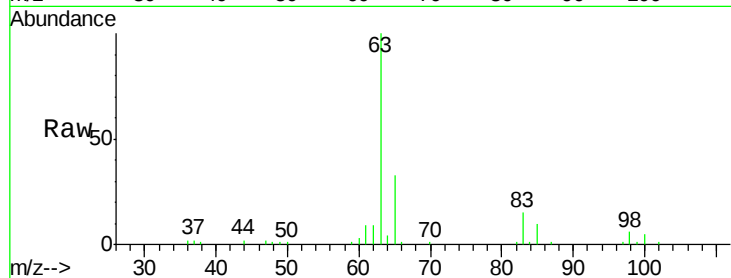
Tgt Ion: 63 Resp: 46725

Ion Ratio Lower Upper

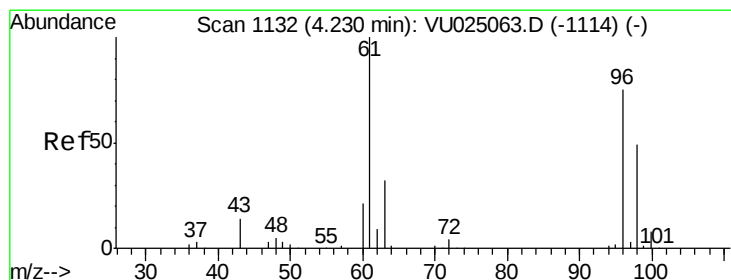
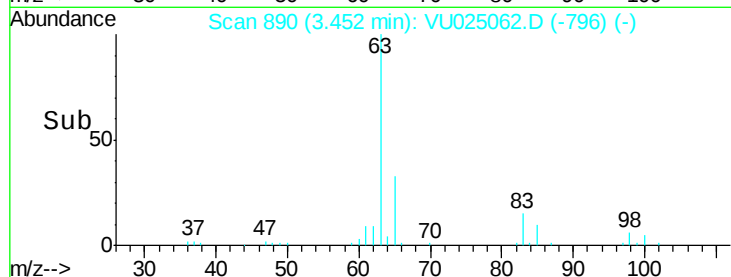
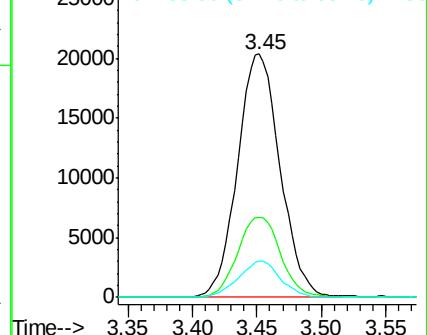
63 100

65 32.9 21.9 40.7

83 15.1 9.7 18.1



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: 9.710 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

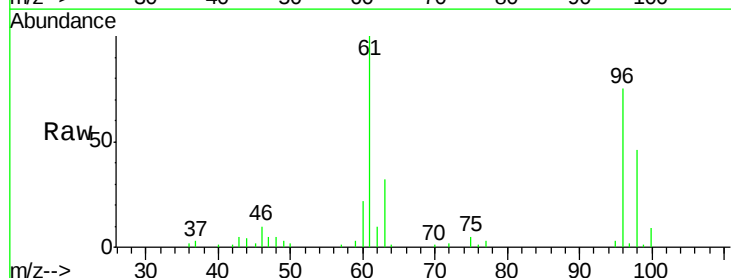
Tgt Ion: 96 Resp: 28003

Ion Ratio Lower Upper

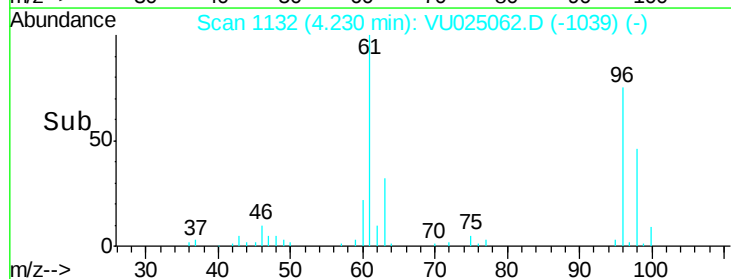
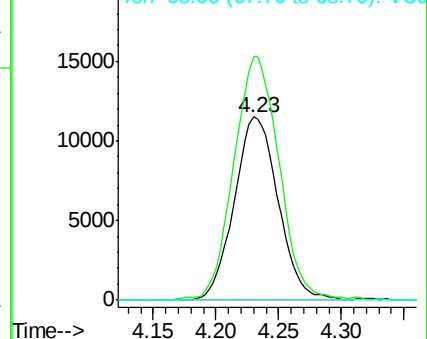
96 100

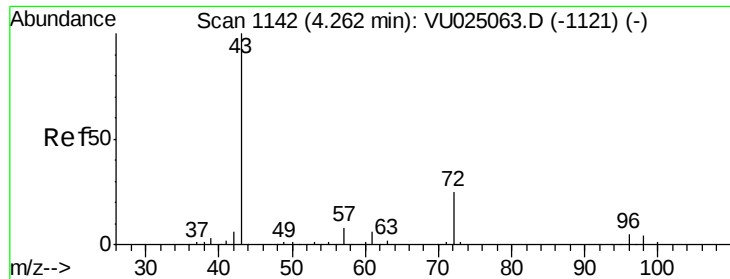
61 132.8 93.4 173.6

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 18.850 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

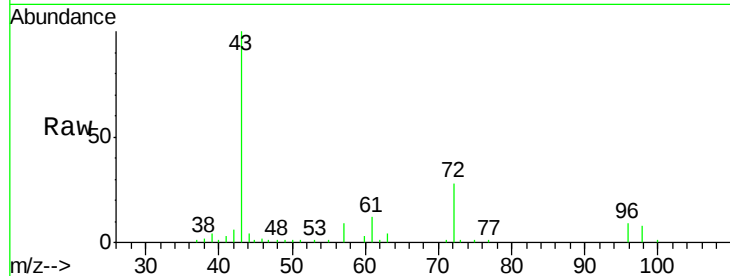
VSTD01041

Tgt Ion: 43 Resp: 45444

Ion Ratio Lower Upper

43 100

72 26.6 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VU025063.D (-1121) (-)

Ion 72.00 (71.70 to 72.70): VU025063.D (-1121) (-)

4.27

20000

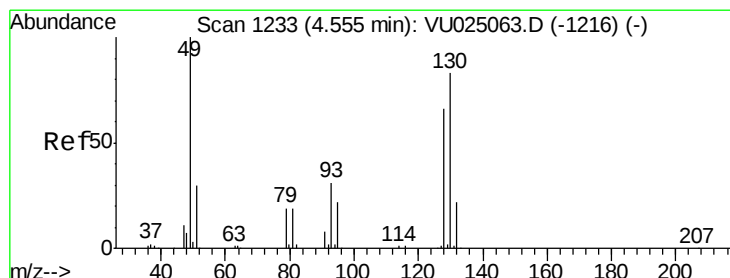
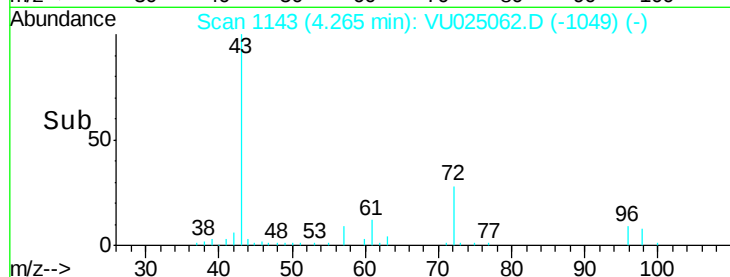
15000

10000

5000

0

Time-->



#23

Bromochloromethane

Concen: 10.176 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Tgt Ion: 128 Resp: 14742

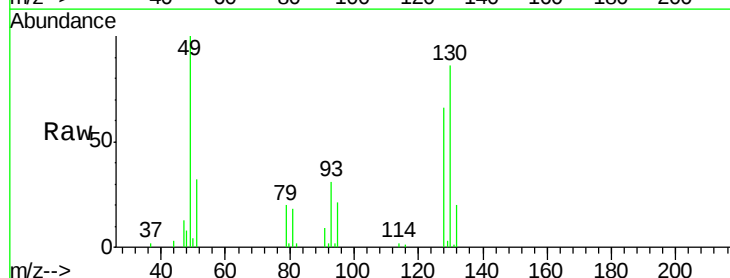
Ion Ratio Lower Upper

128 100

49 150.5 106.1 197.1

130 129.3 87.7 162.9

51 48.7 36.8 55.2



Abundance Ion 128.00 (127.70 to 128.70): VU025063.D (-1216) (-)

Ion 49.00 (48.70 to 49.70): VU025063.D (-1216) (-)

Ion 130.00 (129.70 to 130.70): VU025063.D (-1216) (-)

Ion 51.00 (50.70 to 51.70): VU025063.D (-1216) (-)

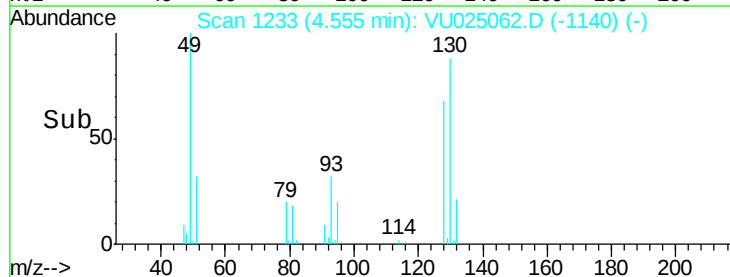
15000

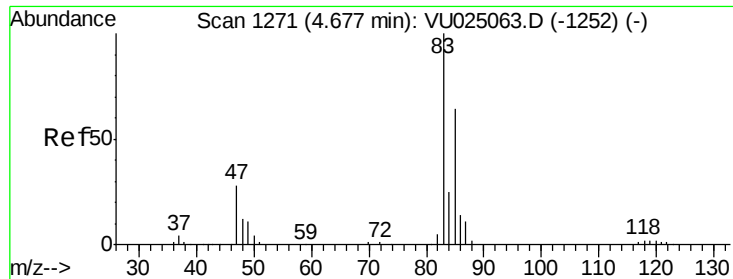
10000

5000

0

Time-->

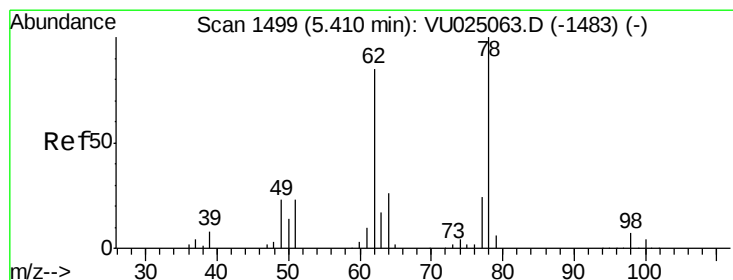
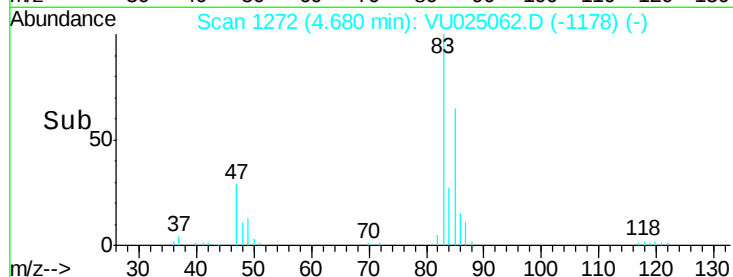
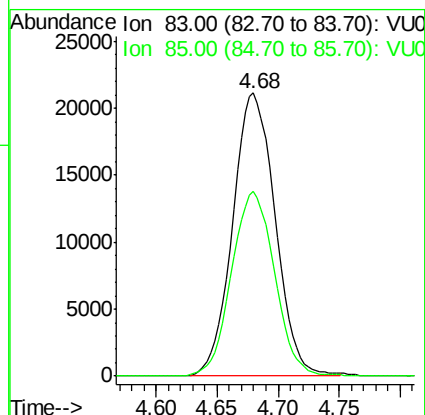
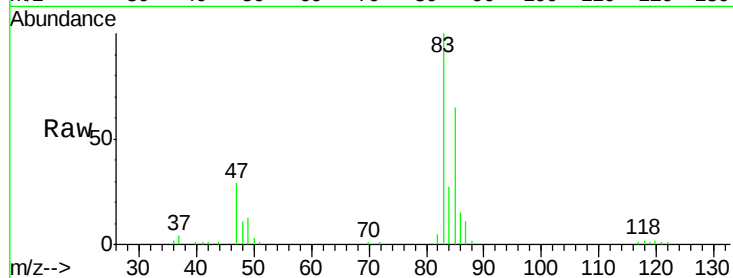




#25
Chloroform
Concen: 10.696 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

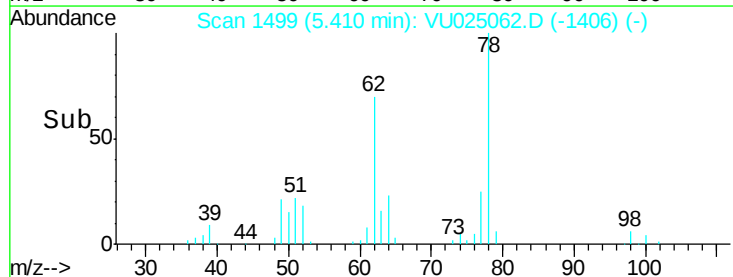
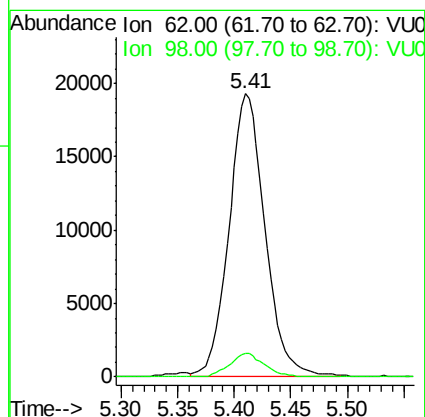
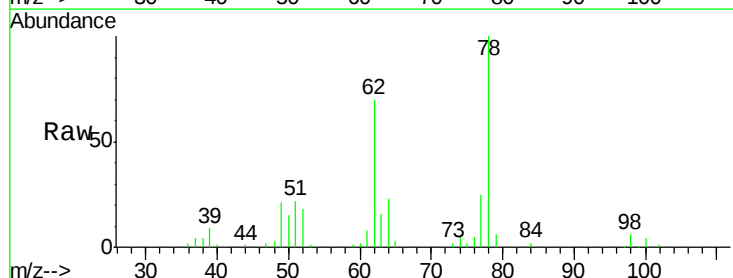
Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

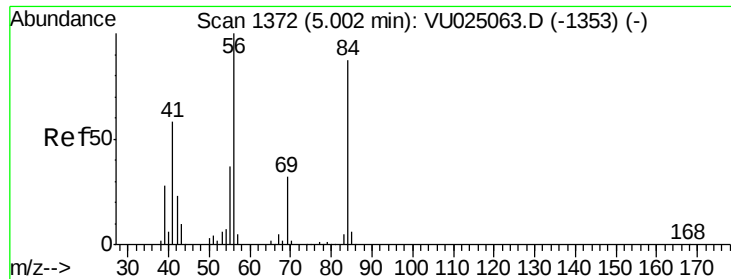
Tgt Ion: 83 Resp: 51122
Ion Ratio Lower Upper
83 100
85 65.2 44.7 83.1



#27
1,2-Dichloroethane
Concen: 11.446 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Tgt Ion: 62 Resp: 42783
Ion Ratio Lower Upper
62 100
98 8.5 6.4 9.6

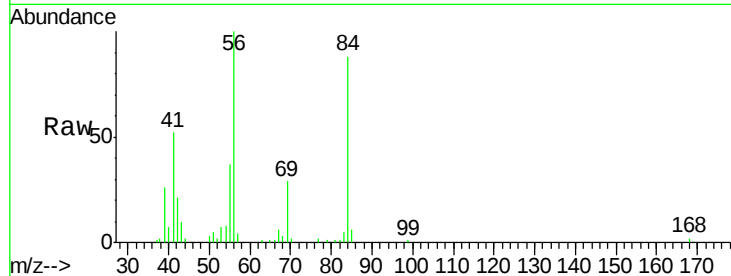




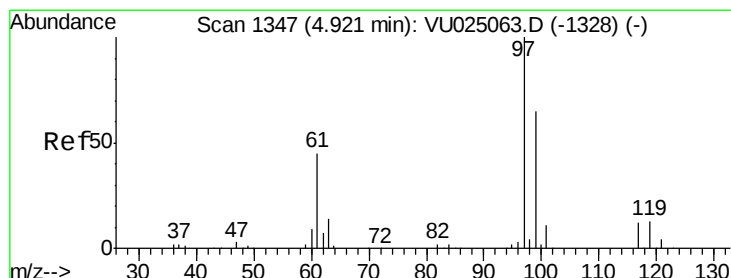
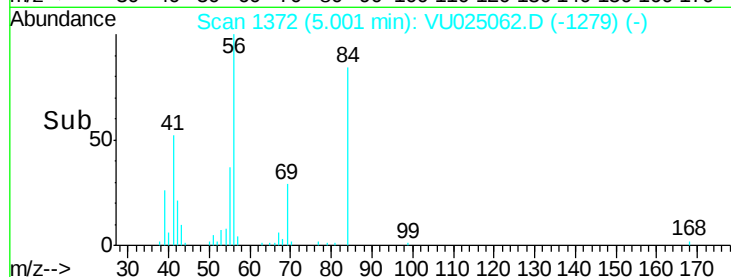
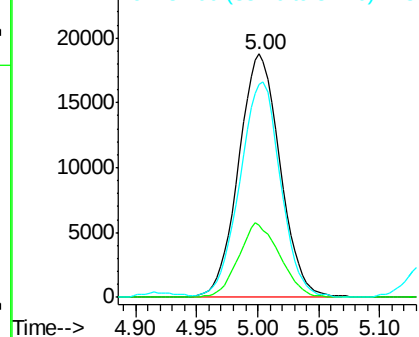
#29
Cyclohexane
Concen: 10.762 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

Tgt Ion: 56 Resp: 44097
Ion Ratio Lower Upper
56 100
69 30.5 25.0 37.6
84 86.9 70.0 105.0

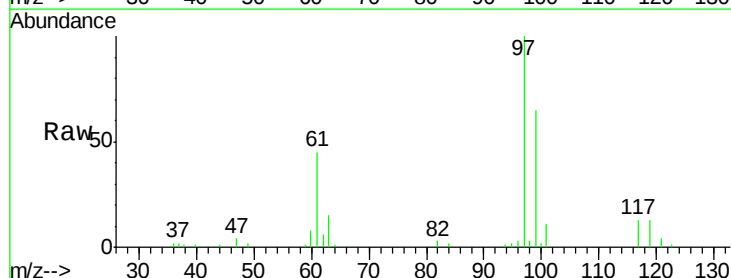


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

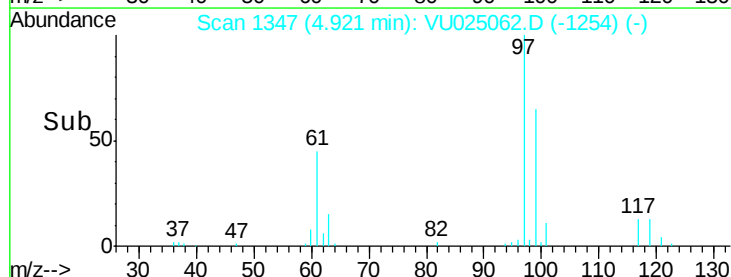
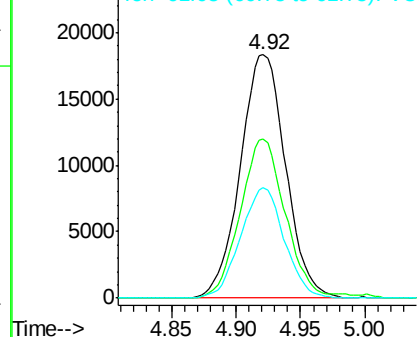


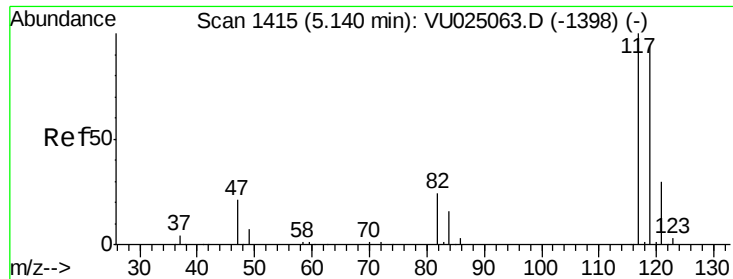
#30
1,1,1-Trichloroethane
Concen: 11.001 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Tgt Ion: 97 Resp: 44875
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 43.8 35.5 53.3



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: 10.259 ug/L

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

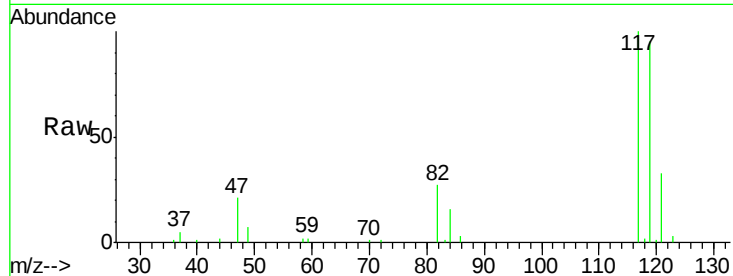
VSTD01041

Tgt Ion:117 Resp: 38046

Ion Ratio Lower Upper

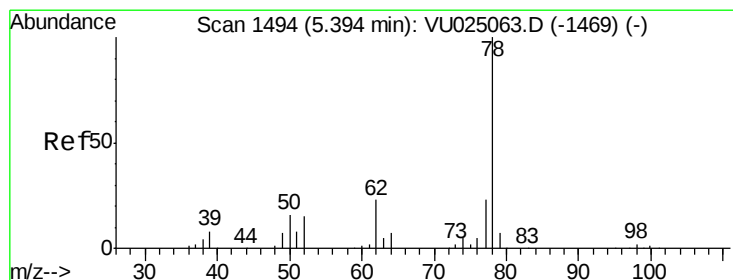
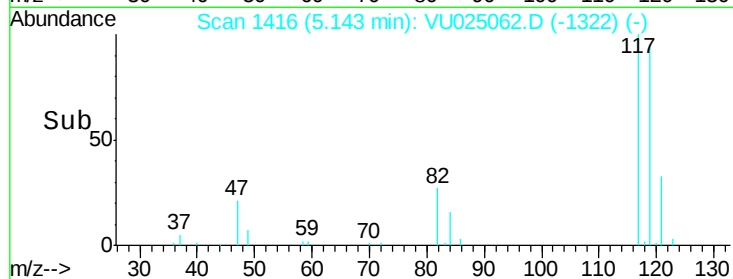
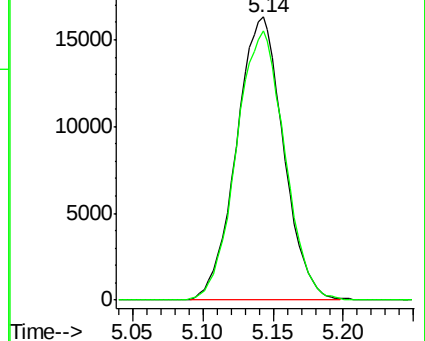
117 100

119 97.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 10.571 ug/L

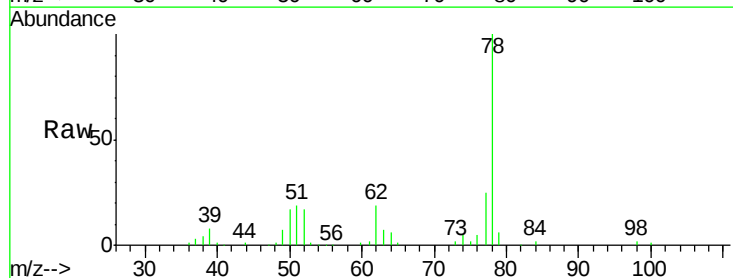
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

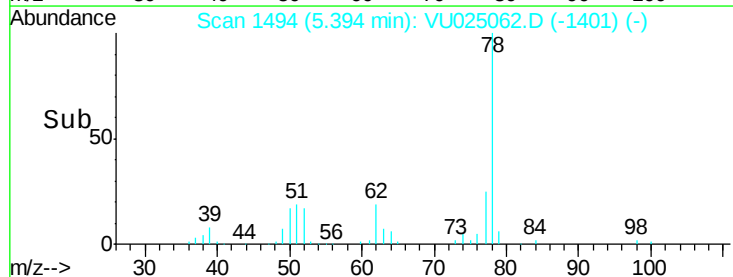
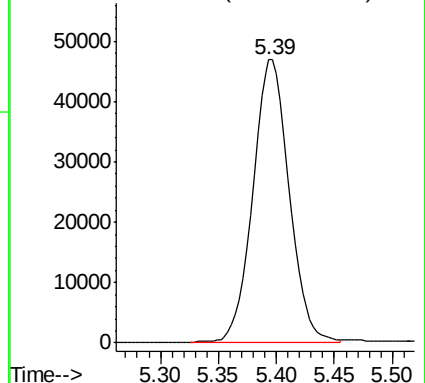
Lab File: VU025062.D

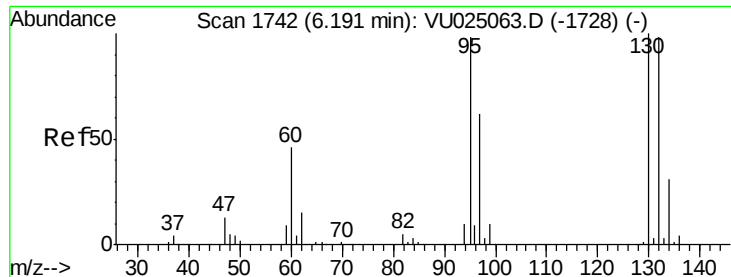
Acq: 29 Jun 2018 10:57

Tgt Ion: 78 Resp: 102886



Abundance Ion 78.00 (77.70 to 78.70): VU0

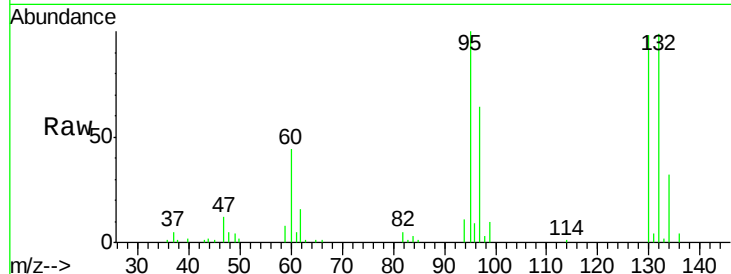




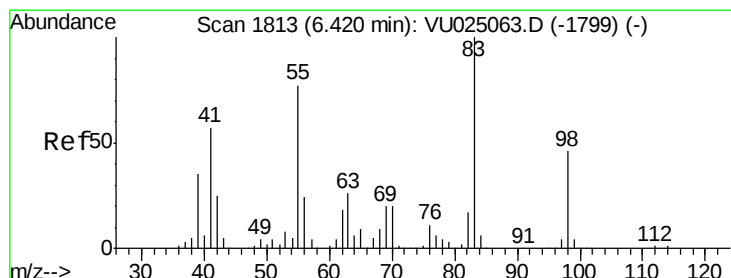
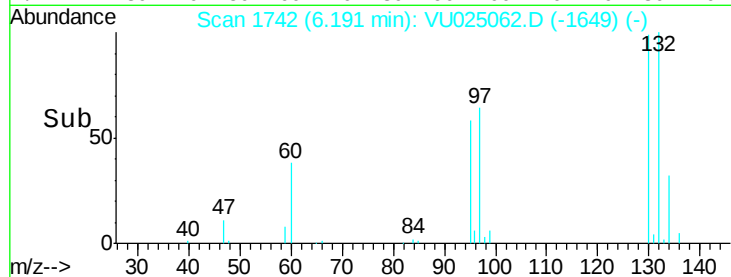
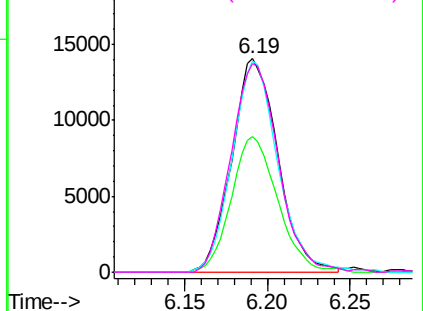
#34
 Trichloroethene
 Concen: 10.193 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

Tgt Ion: 95 Resp: 27287
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.1 81.9
 132 99.1 70.2 130.4
 130 98.0 71.7 133.1

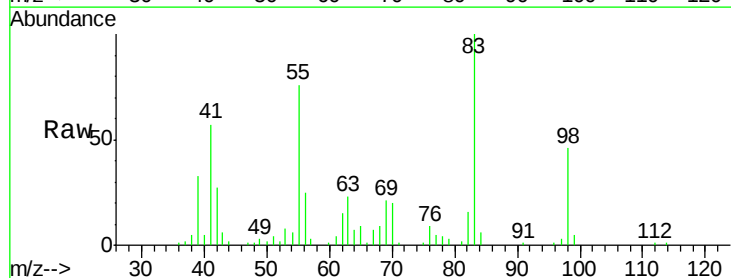


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

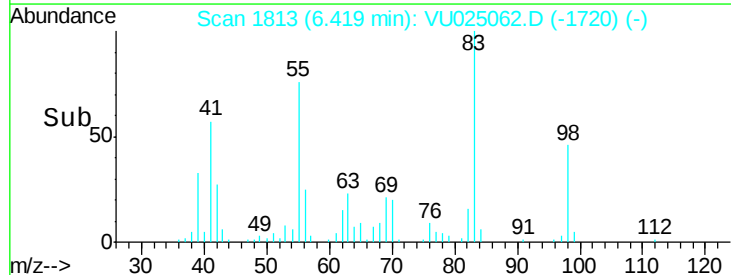
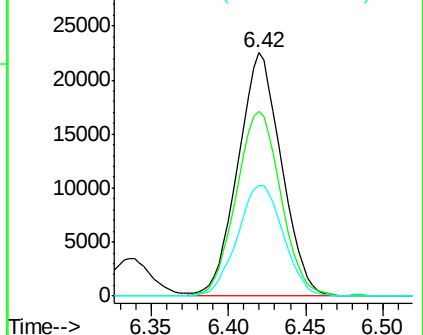


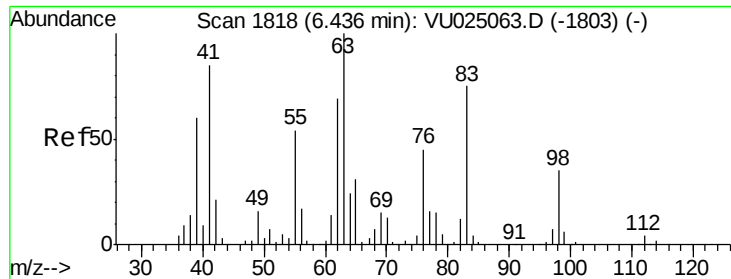
#35
 Methylcyclohexane
 Concen: 10.230 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

Tgt Ion: 83 Resp: 44080
 Ion Ratio Lower Upper
 83 100
 55 77.8 61.8 92.6
 98 47.9 37.4 56.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

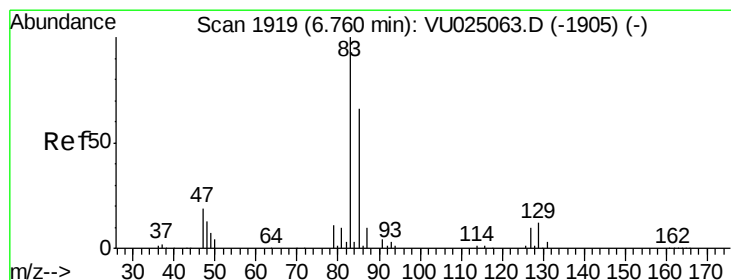
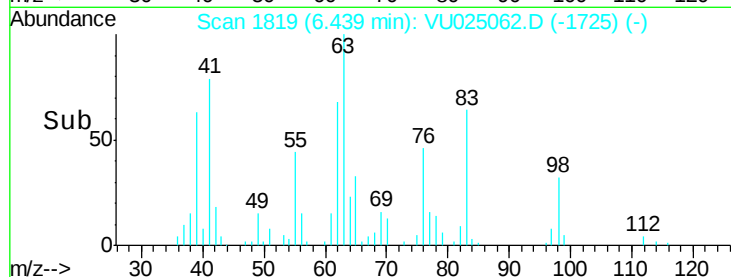
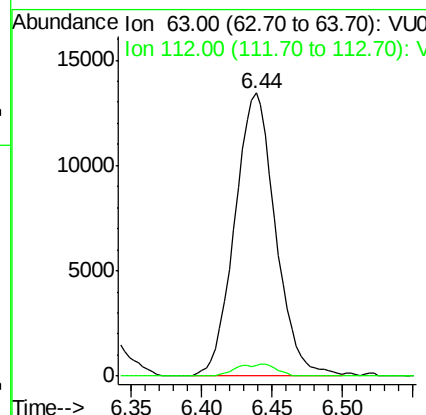
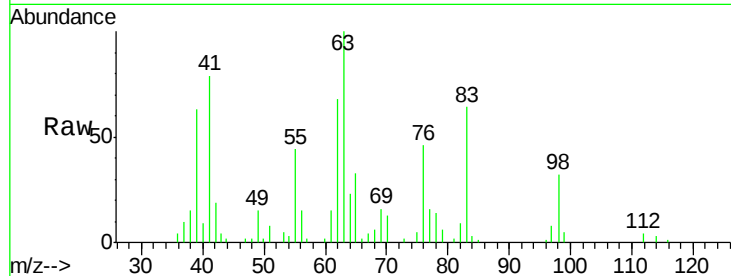




#37
 1,2-Dichloropropane
 Concen: 10.107 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

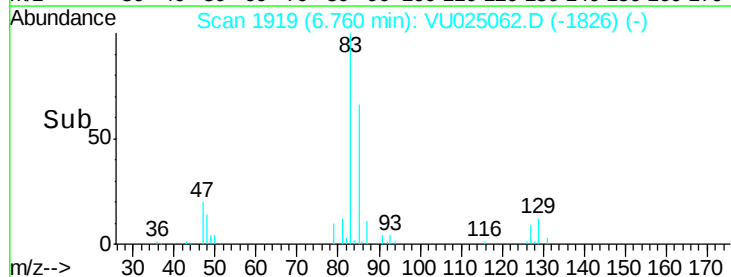
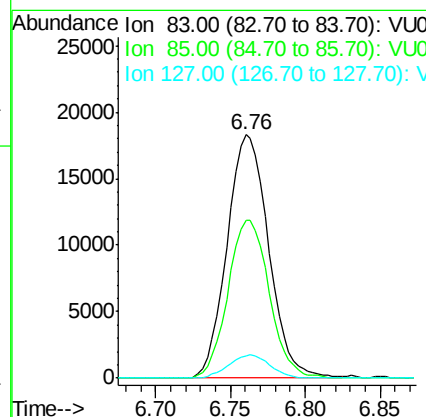
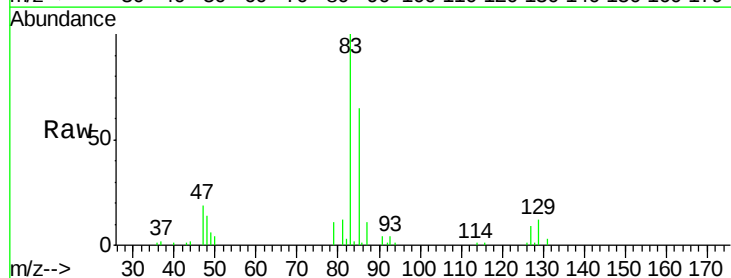
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

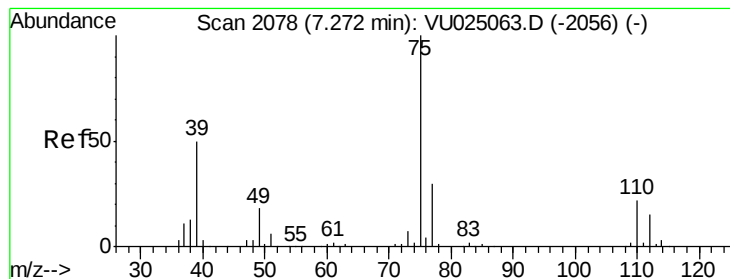
Tgt Ion: 63 Resp: 27238
 Ion Ratio Lower Upper
 63 100
 112 2.2 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 9.976 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

Tgt Ion: 83 Resp: 35450
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.9 85.3
 127 9.3 7.7 11.5



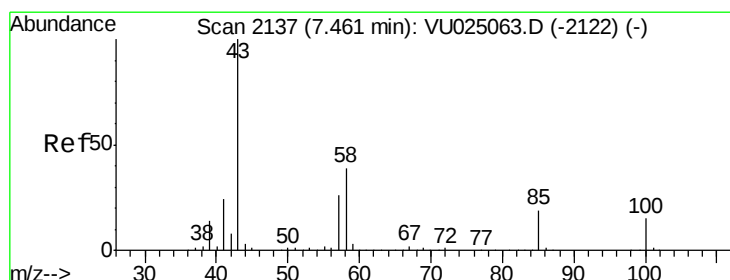
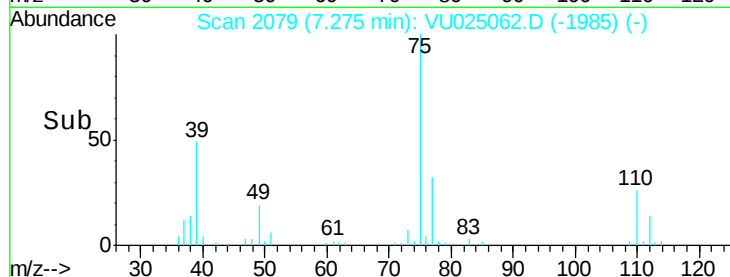
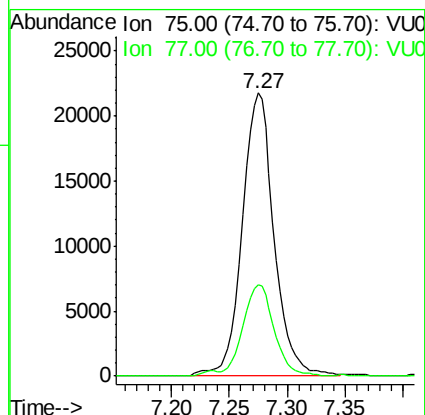
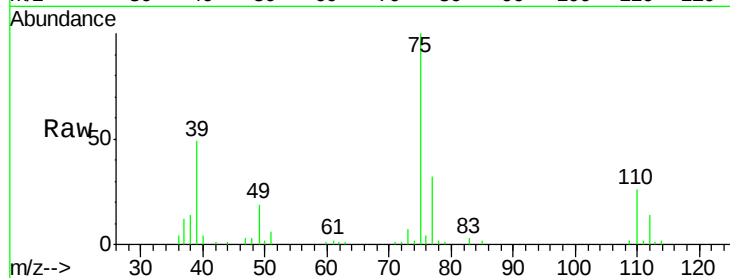


#39

cis-1,3-Dichloropropene
 Concen: 9.754 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

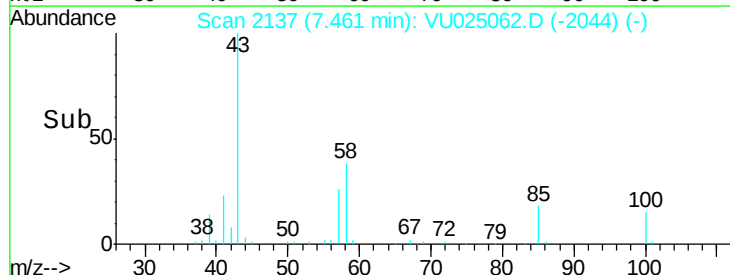
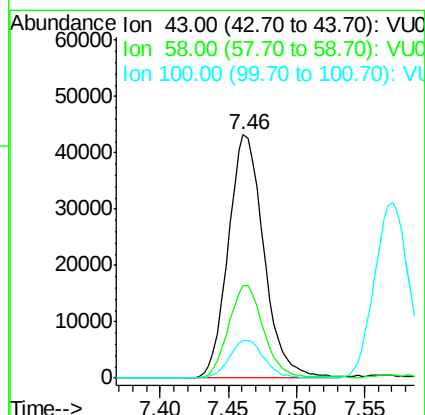
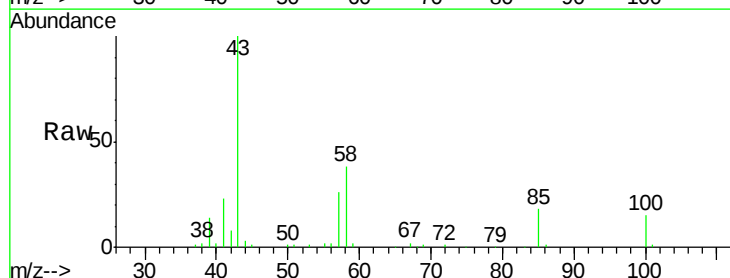
Tgt Ion: 75 Resp: 41548
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.3 39.5

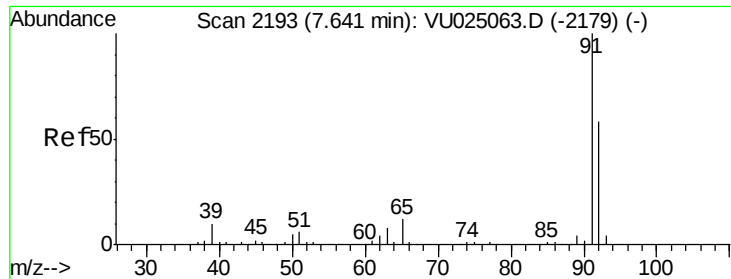


#40

4-Methyl-2-pentanone
 Concen: 19.639 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

Tgt Ion: 43 Resp: 78286
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.0 46.6
 100 15.1 12.3 18.5





#42

Toluene

Concen: 10.143 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

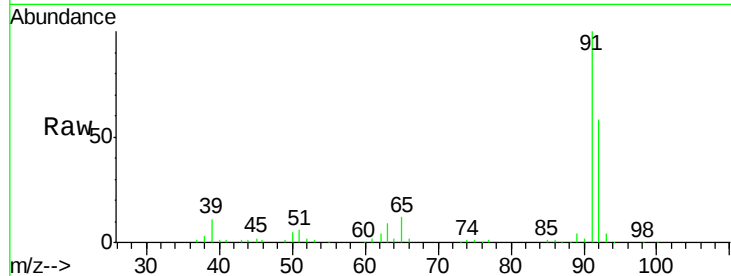
VSTD01041

Tgt Ion: 91 Resp: 109620

Ion Ratio Lower Upper

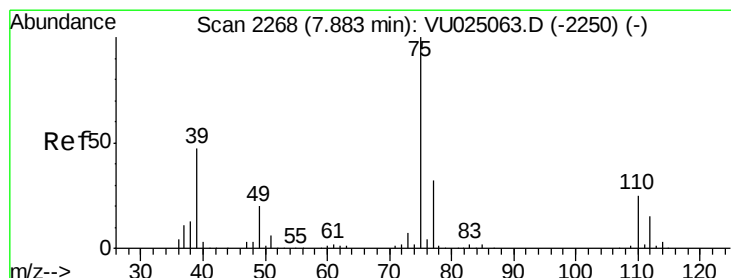
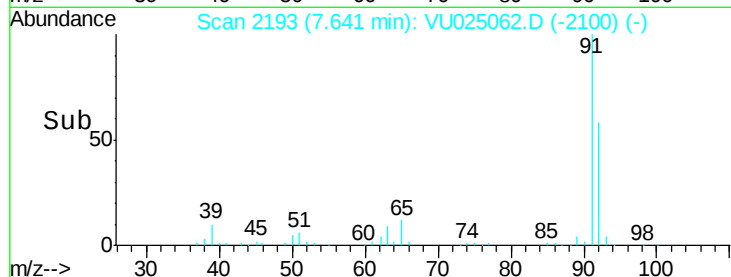
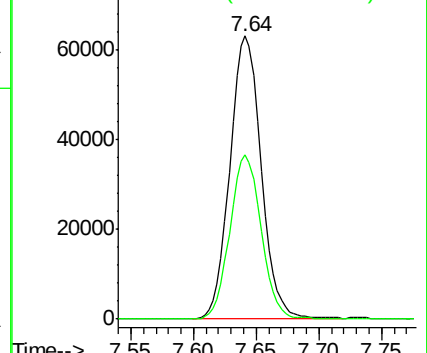
91 100

92 57.8 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 9.881 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025062.D

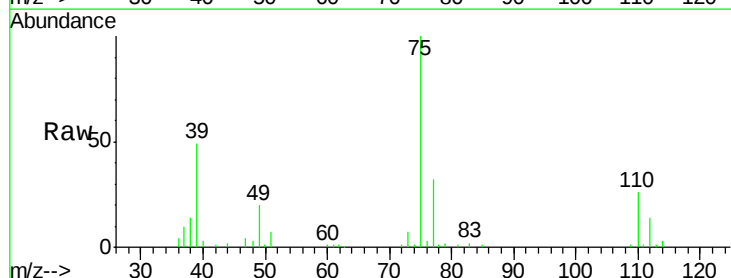
Acq: 29 Jun 2018 10:57

Tgt Ion: 75 Resp: 38229

Ion Ratio Lower Upper

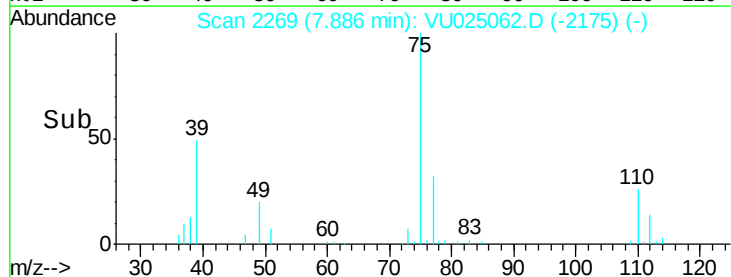
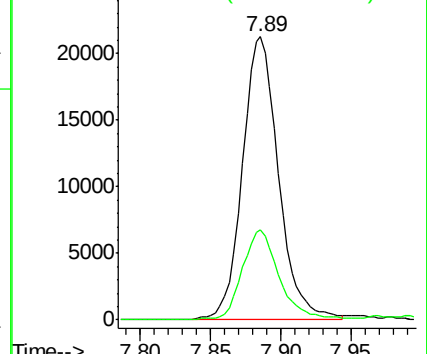
75 100

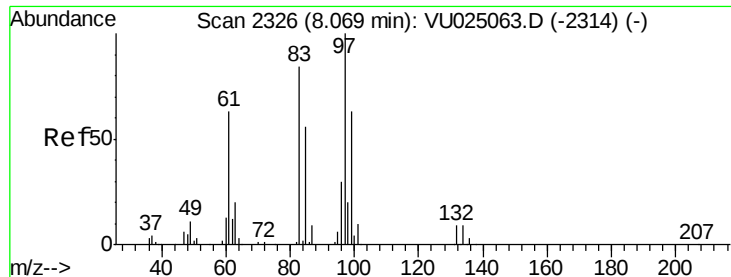
77 31.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

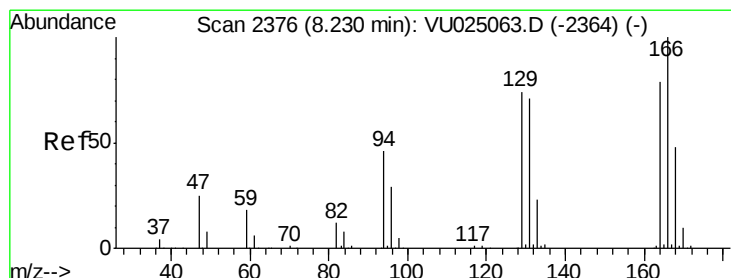
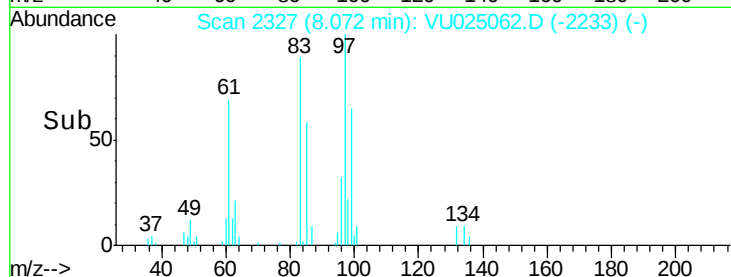
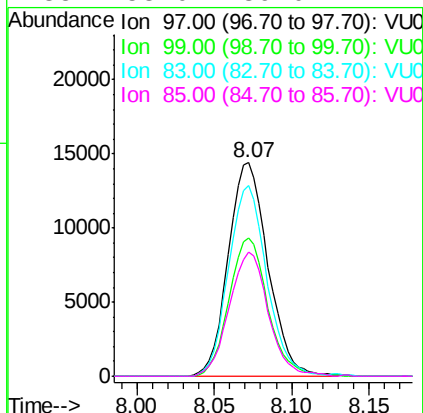
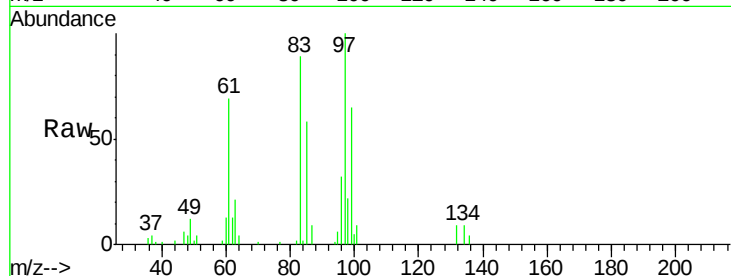




#45
 1,1,2-Trichloroethane
 Concen: 10.090 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

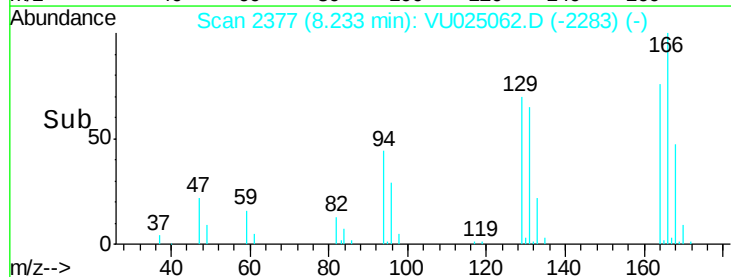
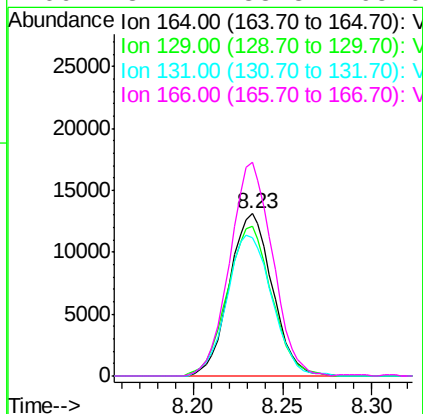
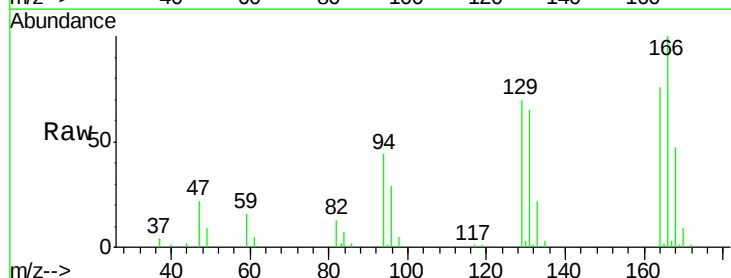
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

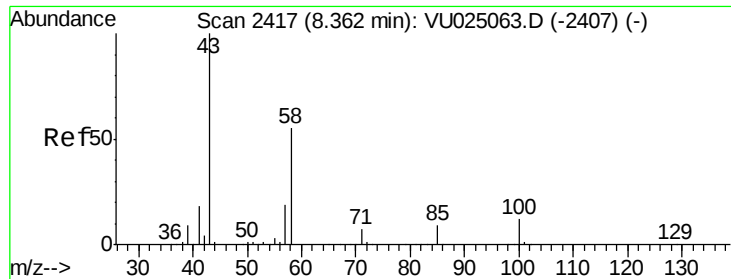
Tgt Ion:	97	Resp:	25672
Ion	Ratio	Lower	Upper
97	100		
99	64.9	44.1	81.9
83	89.1	58.7	108.9
85	58.0	39.0	72.4



#46
 Tetrachloroethene
 Concen: 9.825 ug/L
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

Tgt Ion:	164	Resp:	22086
Ion	Ratio	Lower	Upper
164	100		
129	92.1	66.1	122.8
131	85.2	62.7	116.5
166	131.4	88.8	165.0

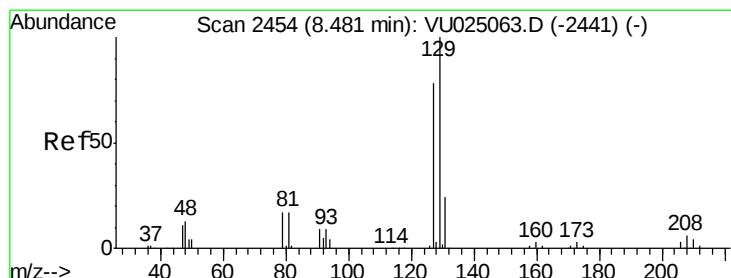
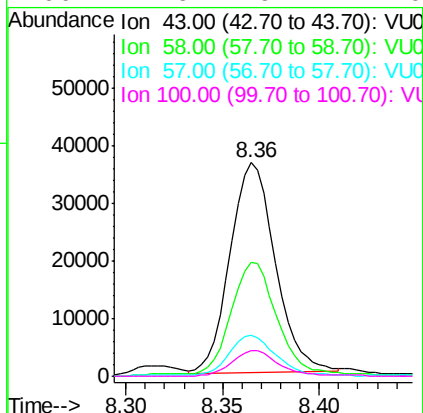
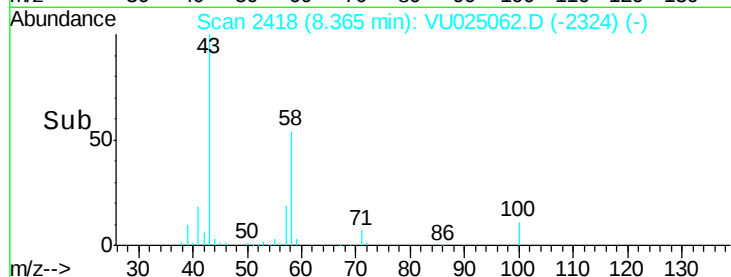
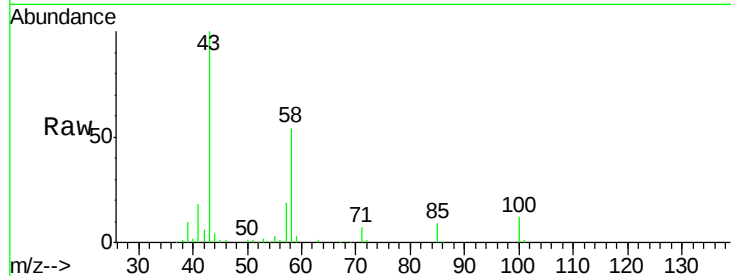




#48
2-Hexanone
Concen: 18.456 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

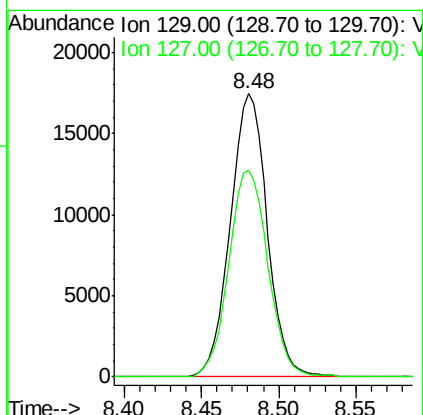
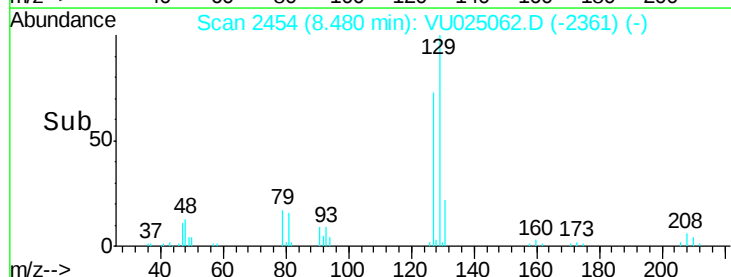
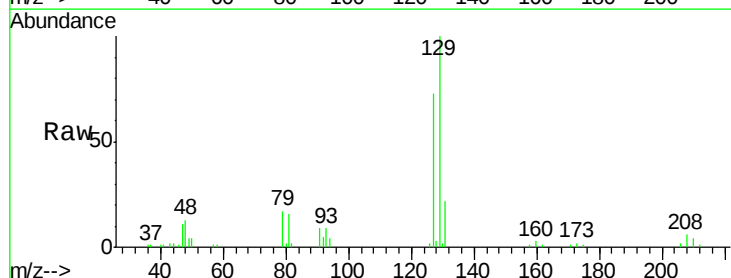
Instrument :
MSVOA_U
ClientSampled :
VSTD01041

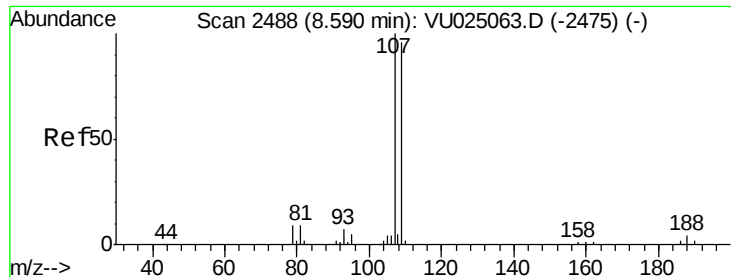
Tgt Ion: 43 Resp: 59471
Ion Ratio Lower Upper
43 100
58 56.0 43.2 64.8
57 20.5 15.8 23.8
100 12.6 9.4 14.0



#49
Dibromochloromethane
Concen: 9.379 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Tgt Ion: 129 Resp: 28911
Ion Ratio Lower Upper
129 100
127 73.0 54.6 101.4

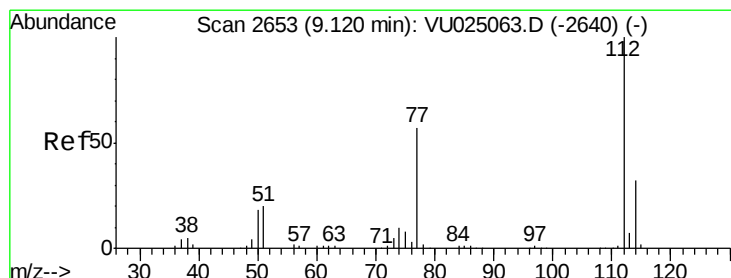
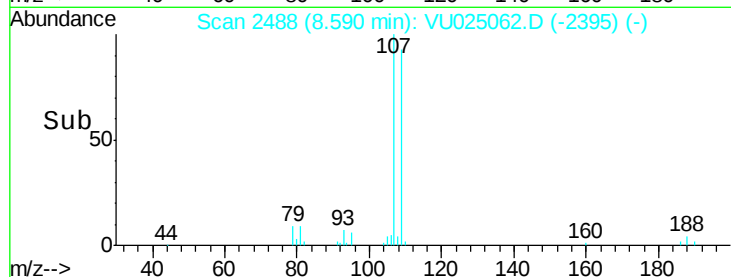
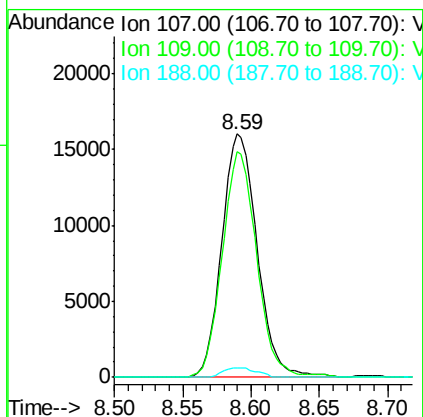
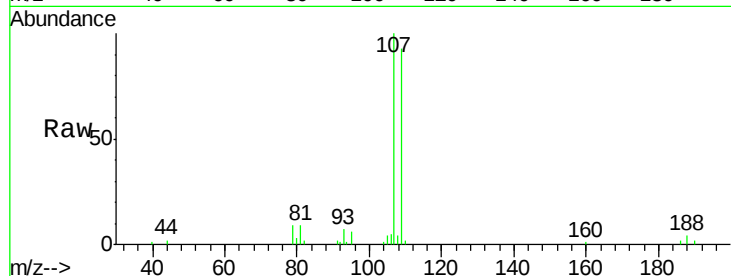




#50
1,2-Dibromoethane
Concen: 10.353 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

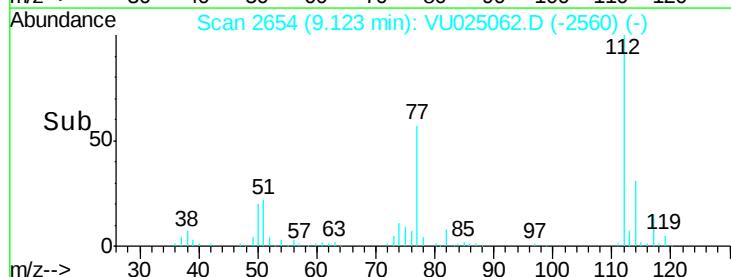
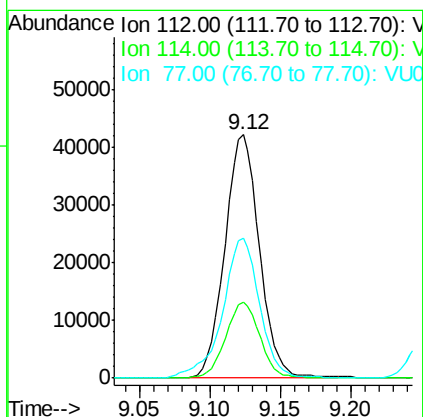
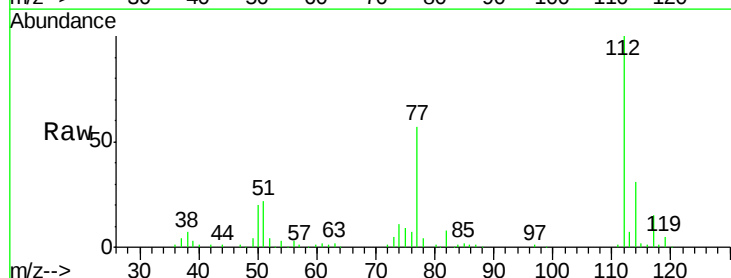
Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

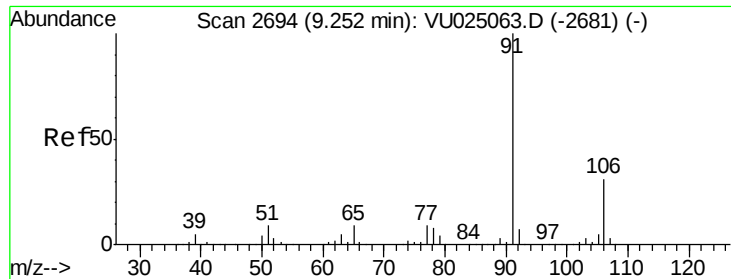
Tgt Ion:107 Resp: 28831
Ion Ratio Lower Upper
107 100
109 92.9 67.1 124.5
188 3.9 3.4 5.0



#51
Chlorobenzene
Concen: 10.034 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Tgt Ion:112 Resp: 72320
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.1
77 57.4 46.2 69.4





#52

Ethylbenzene

Concen: 9.694 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

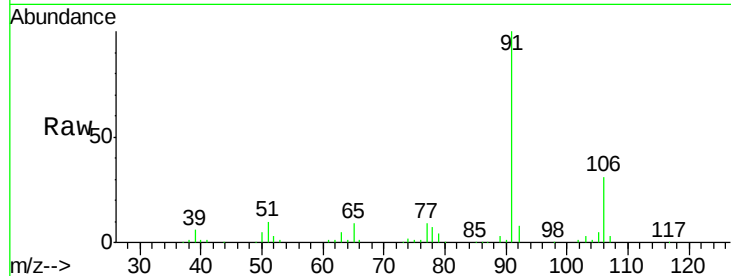
VSTD01041

Tgt Ion: 91 Resp: 119819

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU025062.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU025062.D (-2601) (-)

80000

60000

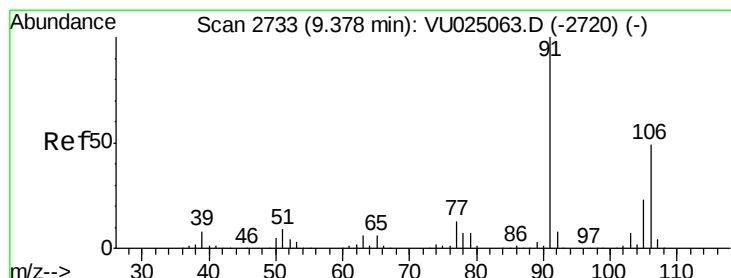
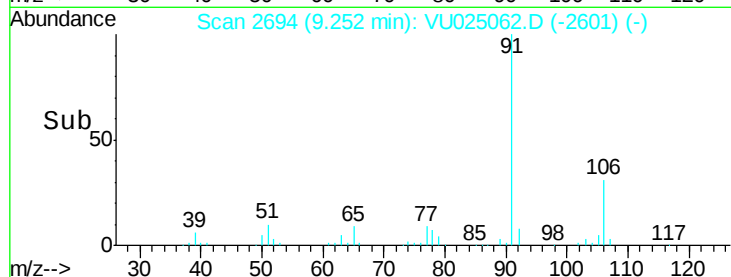
40000

20000

0

9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 9.741 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025062.D

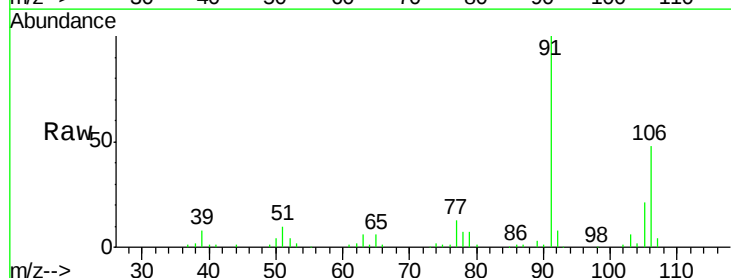
Acq: 29 Jun 2018 10:57

Tgt Ion: 106 Resp: 46342

Ion Ratio Lower Upper

106 100

91 210.0 142.0 263.8



Abundance Ion 106.00 (105.70 to 106.70): VU025062.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU025062.D (-2640) (-)

60000

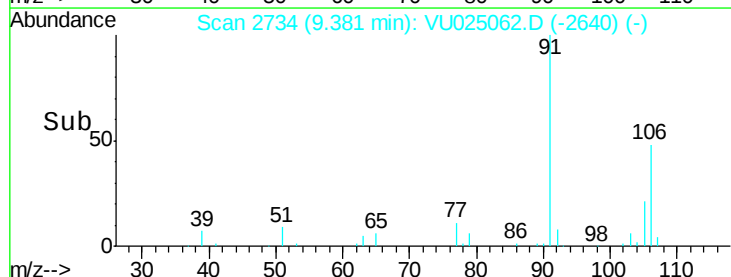
40000

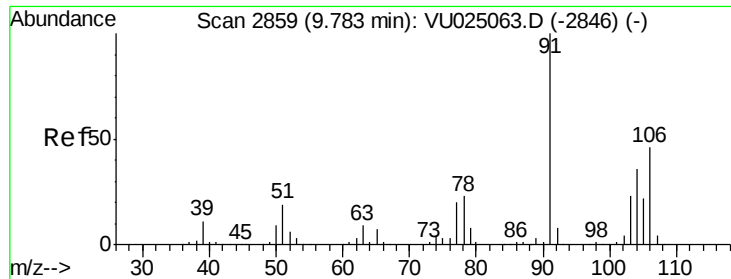
20000

0

9.30 9.35 9.40 9.45

Time-->

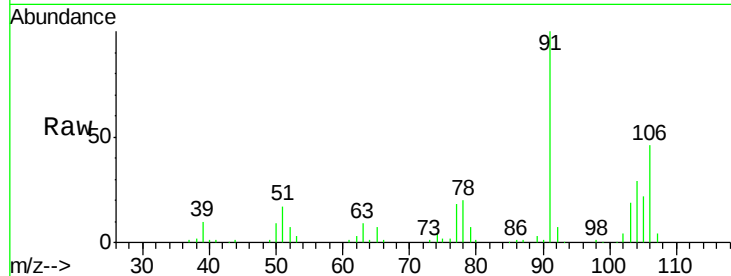




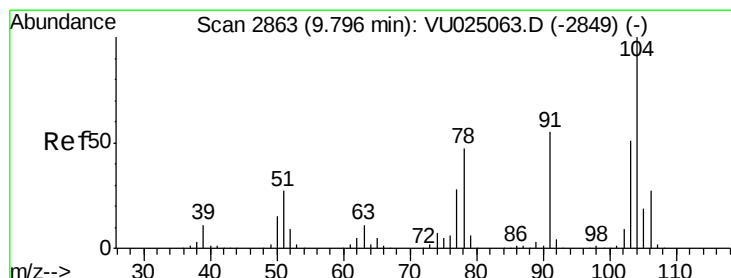
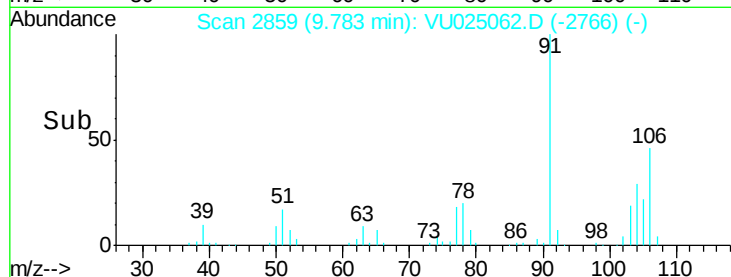
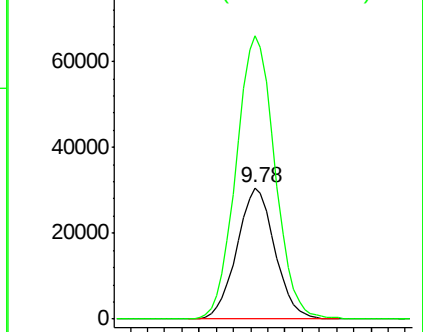
#54
o-xylene
Concen: 9.942 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD01041

Tgt Ion:106 Resp: 46879
Ion Ratio Lower Upper
106 100
91 215.9 152.0 282.4

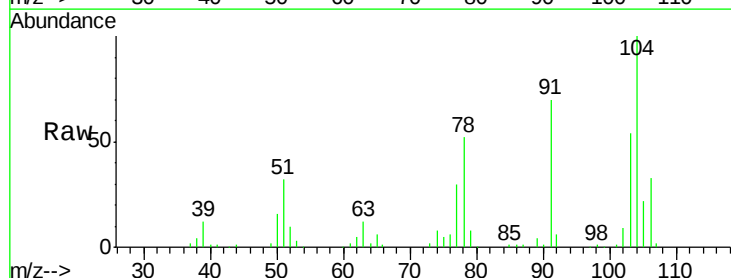


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

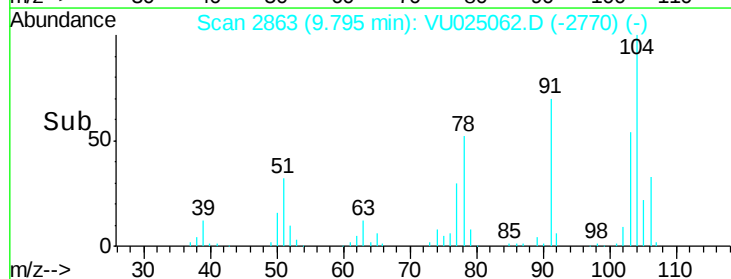
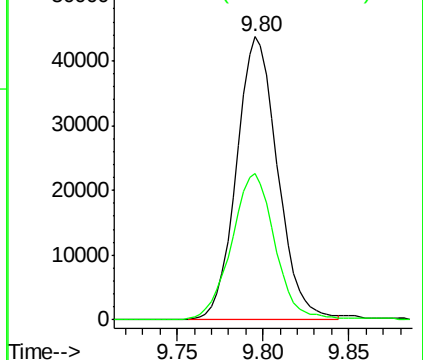


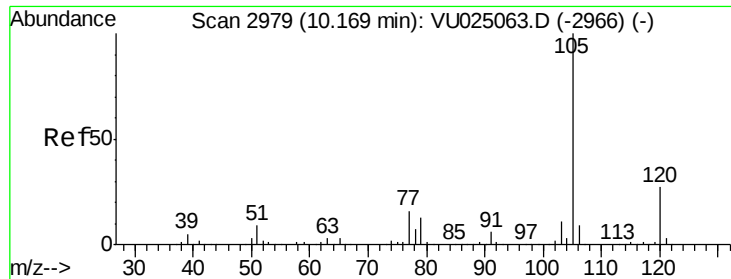
#55
Styrene
Concen: 9.185 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025062.D
Acq: 29 Jun 2018 10:57

Tgt Ion:104 Resp: 72882
Ion Ratio Lower Upper
104 100
78 51.5 32.6 60.6



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





#56

Isopropylbenzene

Concen: 9.742 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

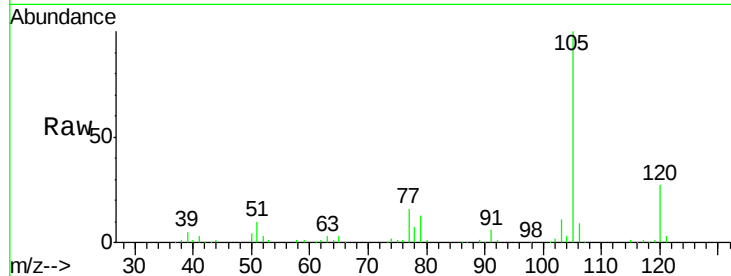
Tgt Ion: 105 Resp: 121033

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

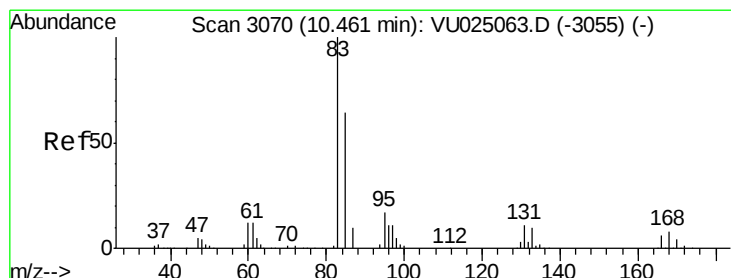
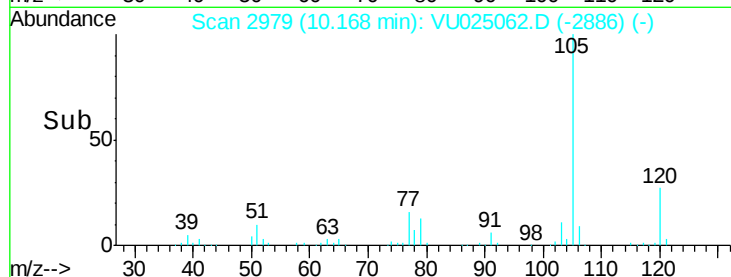
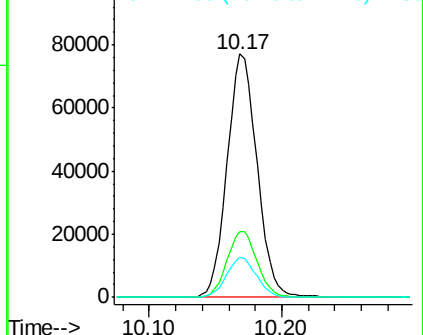
77 16.3 12.5 18.7



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: 9.606 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

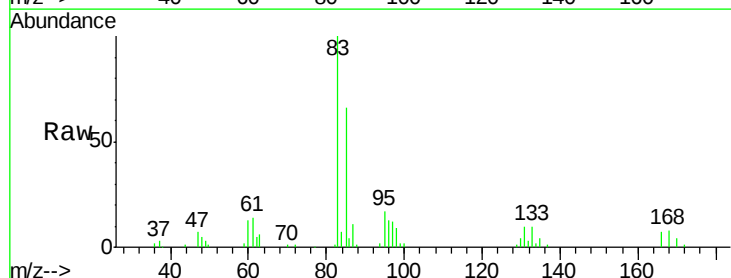
Tgt Ion: 83 Resp: 41869

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.7

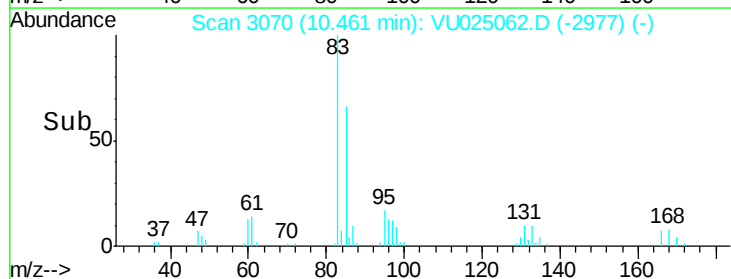
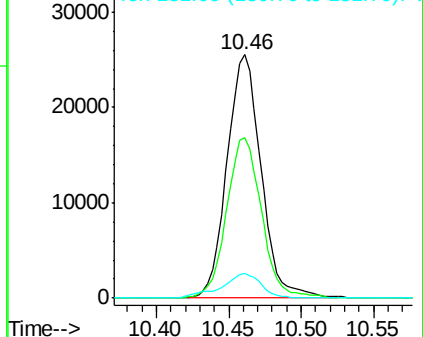
131 9.9 8.7 13.1

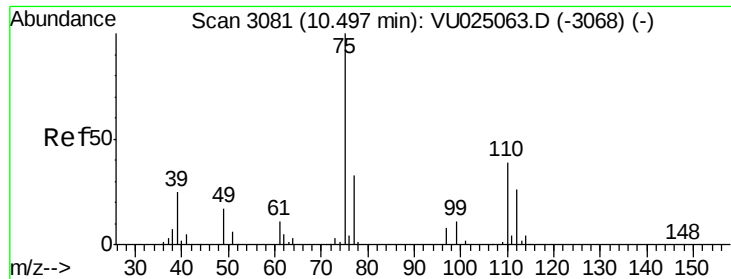


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

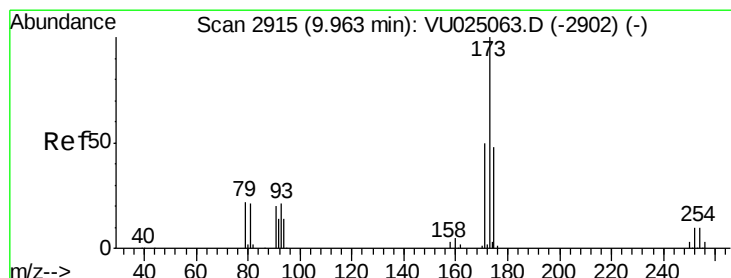
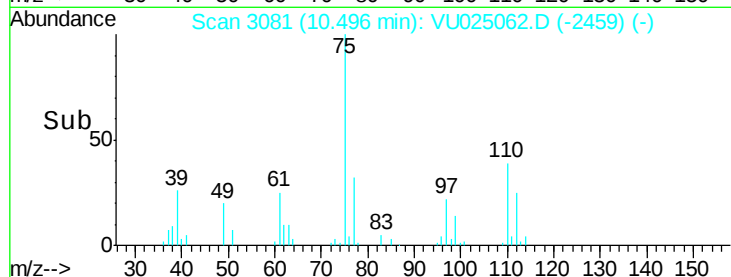
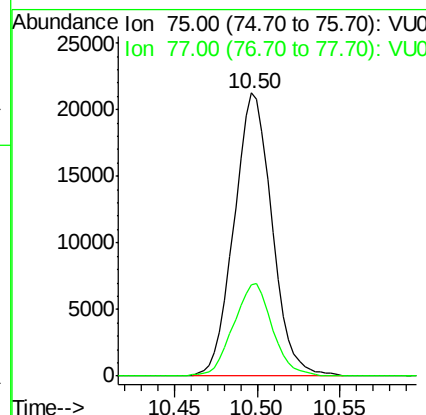
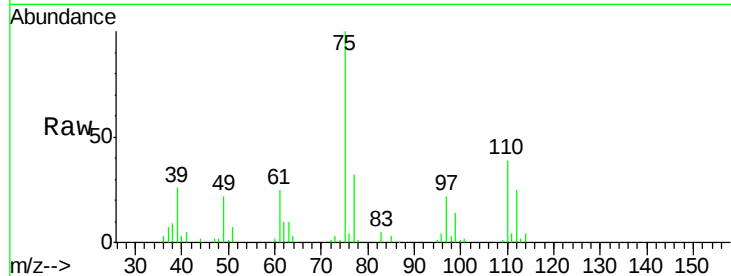




#59
 1,2,3-Trichloropropane
 Concen: 9.817 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

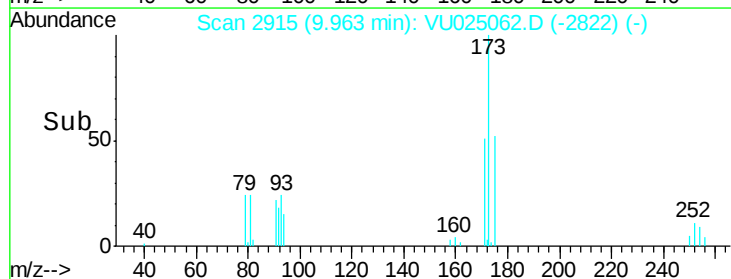
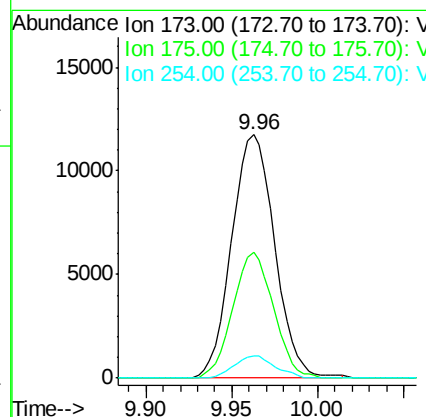
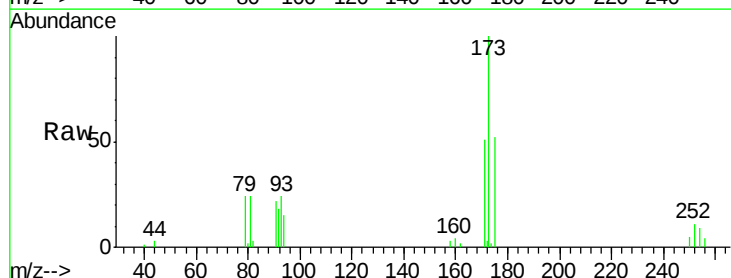
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

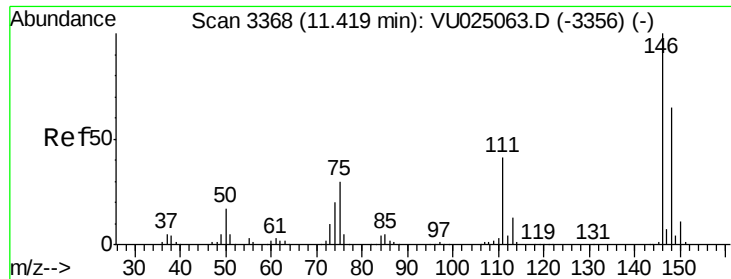
Tgt Ion: 75 Resp: 33824
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.2 39.4



#61
 Bromoform
 Concen: 9.035 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

Tgt Ion: 173 Resp: 20450
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.1 58.7
 254 8.6 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 10.042 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

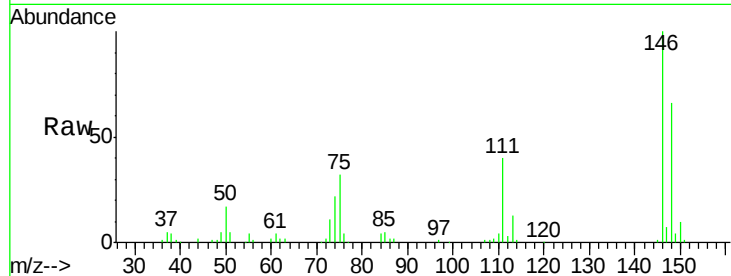
Tgt Ion:146 Resp: 53063

Ion Ratio Lower Upper

146 100

111 40.0 28.7 53.3

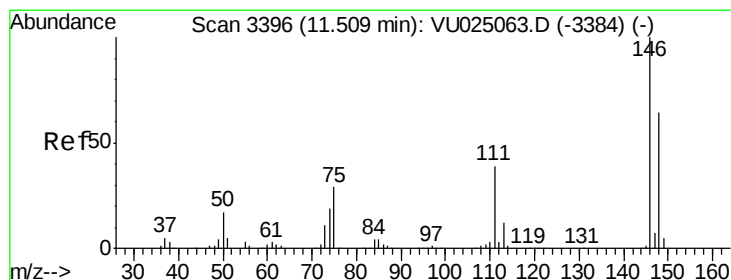
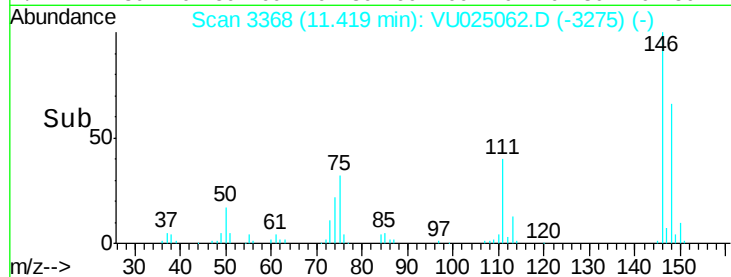
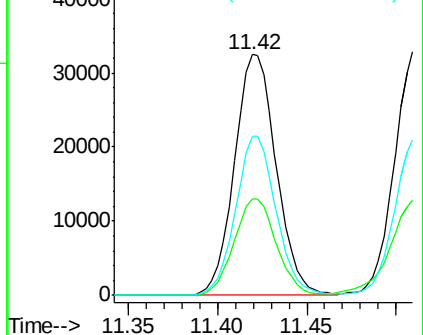
148 66.3 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.067 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

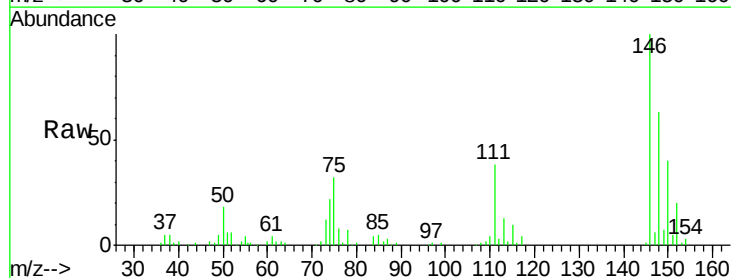
Tgt Ion:146 Resp: 53429

Ion Ratio Lower Upper

146 100

111 37.8 27.7 51.5

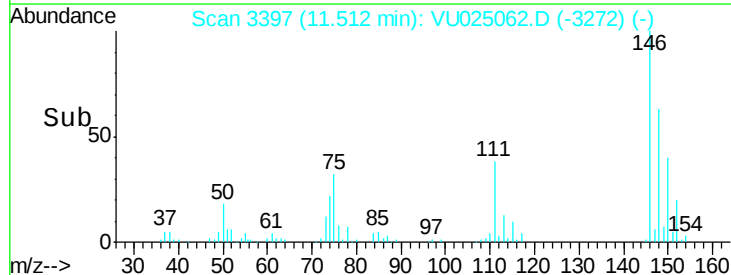
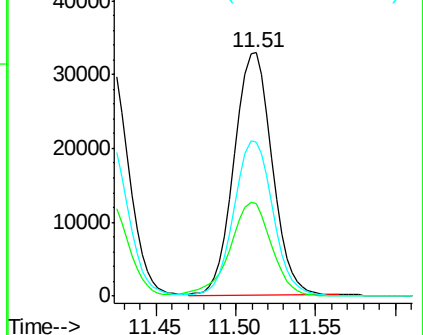
148 63.5 44.7 83.1

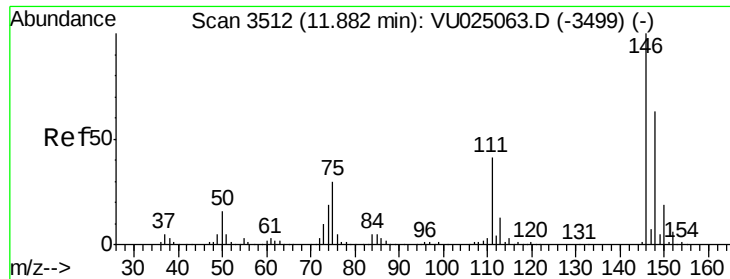


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.666 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

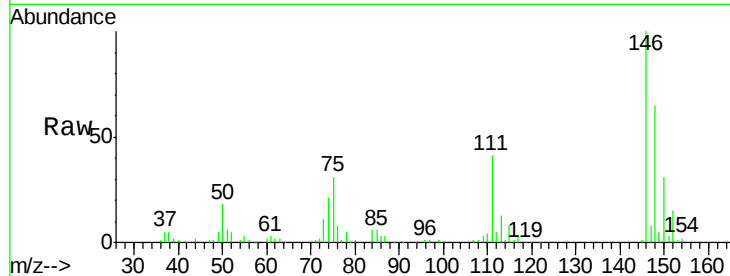
Tgt Ion: 146 Resp: 57237

Ion Ratio Lower Upper

146 100

111 41.0 33.0 49.4

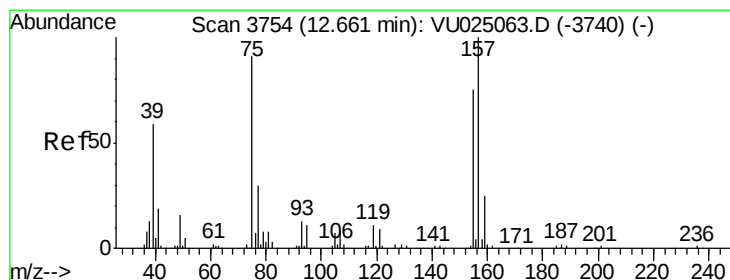
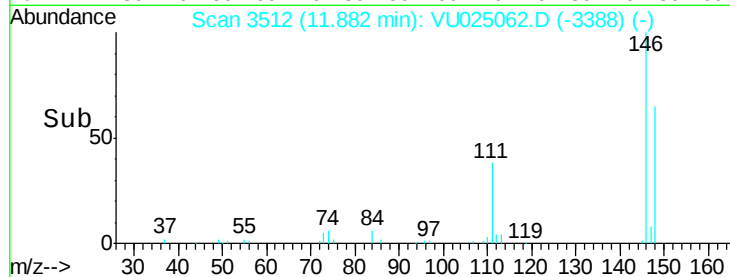
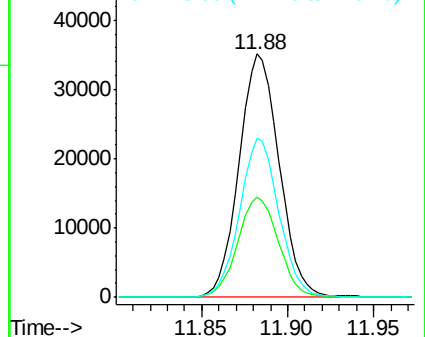
148 65.4 50.1 75.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 9.776 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

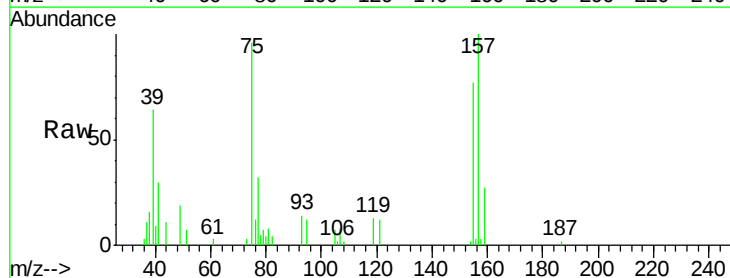
Tgt Ion: 75 Resp: 9138

Ion Ratio Lower Upper

75 100

155 80.8 66.3 99.5

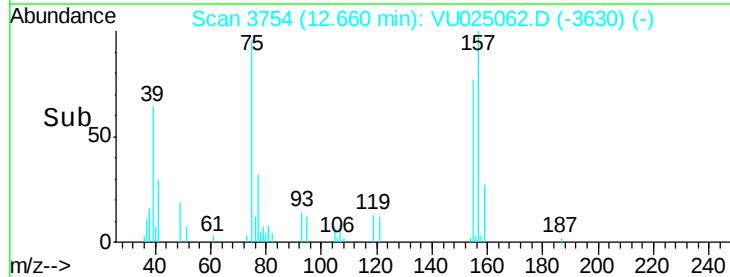
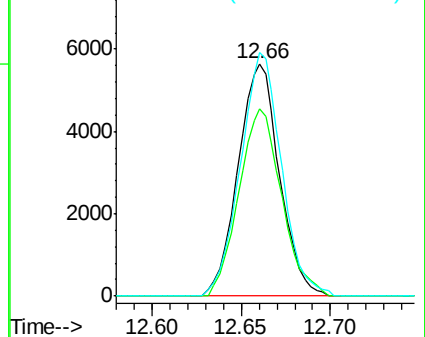
157 104.7 87.9 131.9

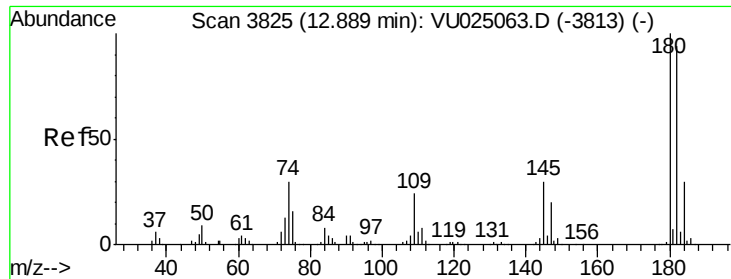


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

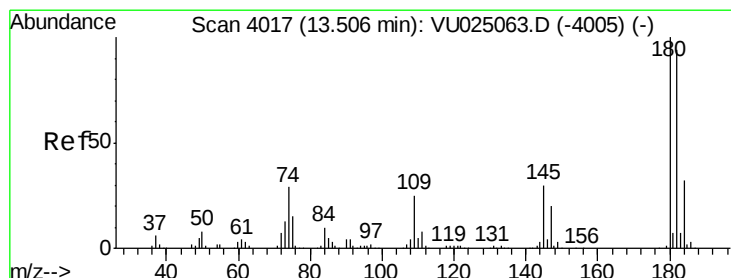
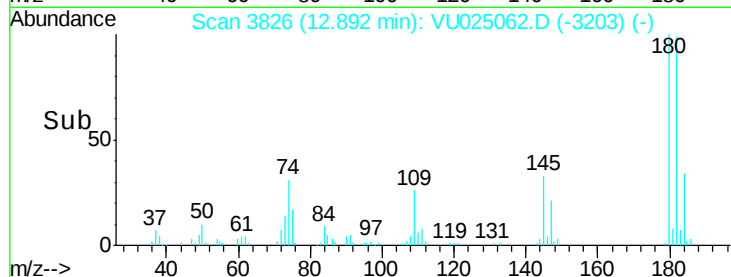
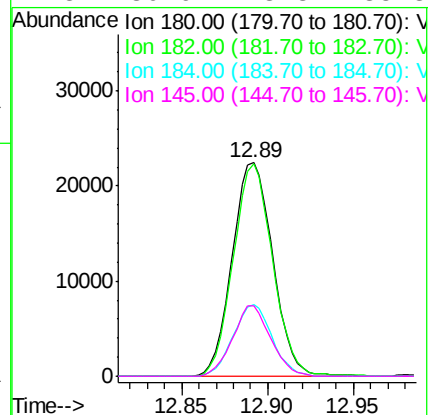
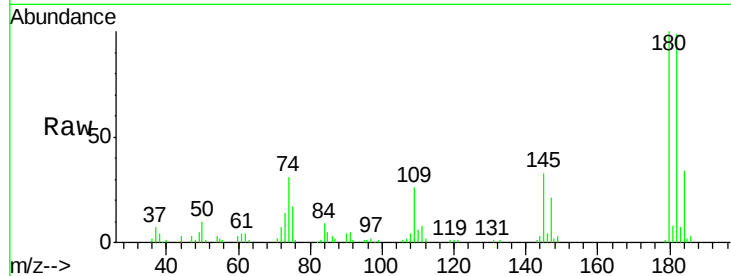




#67
 1,3,5-Trichlorobenzene
 Concen: 8.921 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

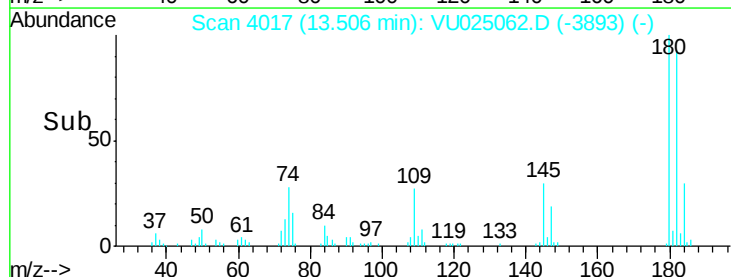
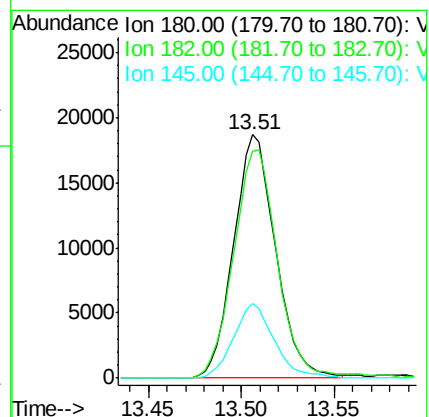
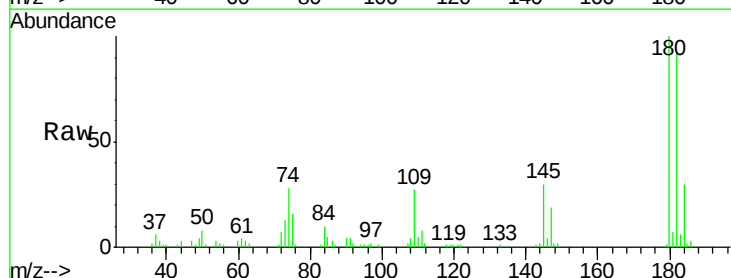
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01041

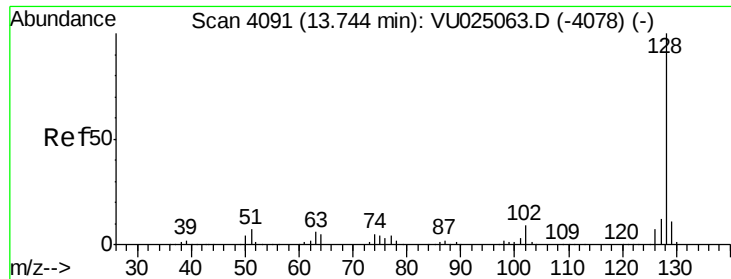
Tgt Ion:180 Resp: 36849
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.8 115.2
 184 32.1 24.3 36.5
 145 30.9 23.8 35.8



#68
 1,2,4-trichlorobenzene
 Concen: 8.643 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025062.D
 Acq: 29 Jun 2018 10:57

Tgt Ion:180 Resp: 29460
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.9 113.9
 145 29.6 23.8 35.8





#69

Naphthalene

Concen: 10.240 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD01041

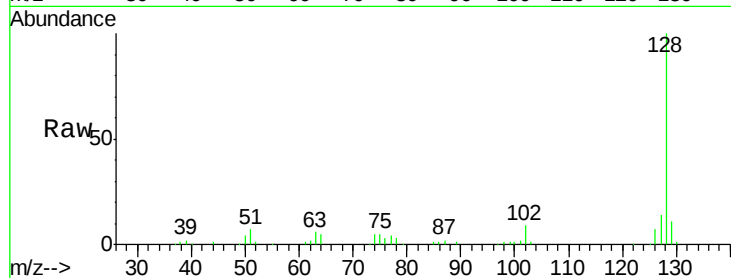
Tgt Ion:128 Resp: 100541

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

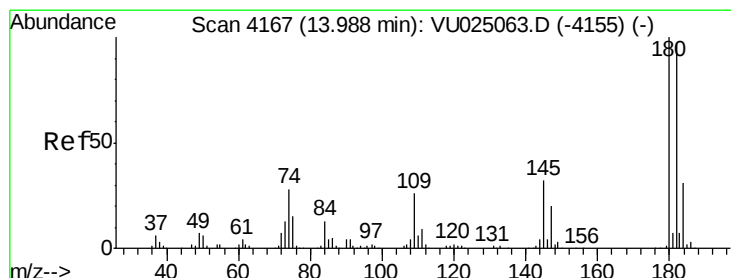
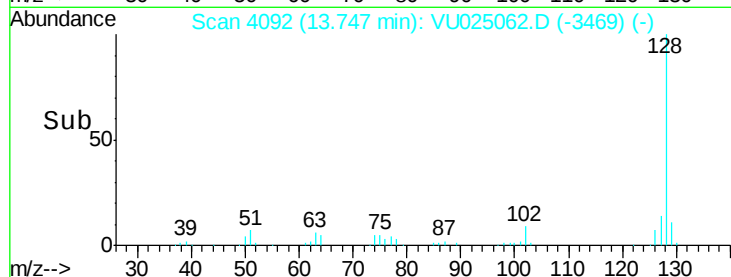
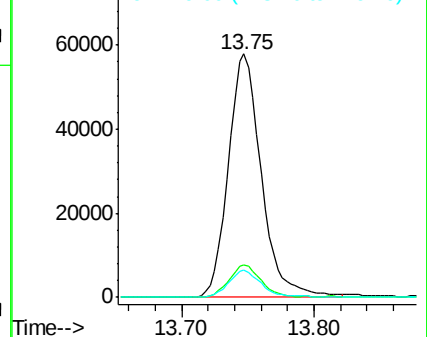
129 10.8 8.8 13.2



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: 9.180 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025062.D

Acq: 29 Jun 2018 10:57

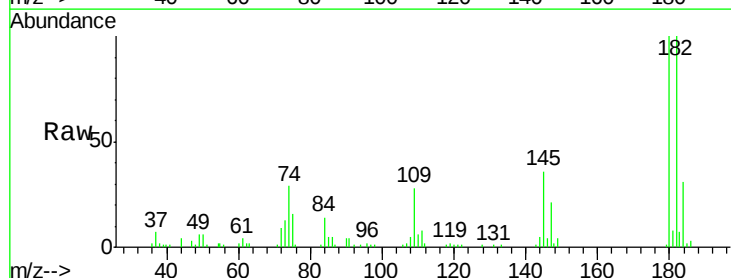
Tgt Ion:180 Resp: 32112

Ion Ratio Lower Upper

180 100

182 96.0 77.4 116.0

145 33.9 25.4 38.0



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

