

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100518\
 Data File : VU027442.D
 Acq On : 05 Oct 2018 09:48
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

Quant Time: Oct 06 04:12:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 06 04:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	236574	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	220276	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	108968	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	186837	100.36	ug/L	0.00
7) Chloroethane-d5	1.68	69	145459	101.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	349143	99.97	ug/L	0.00
21) 2-Butanone-d5	4.18	46	314940	209.54	ug/L	0.00
24) Chloroform-d	4.65	84	312226	104.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	206127	98.78	ug/L	0.00
32) Benzene-d6	5.34	84	649850	102.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	222854	103.06	ug/L	0.00
41) Toluene-d8	7.57	98	579929	102.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	107101	102.78	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	238479	218.36	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	272822	96.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	215634	101.15	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	228238	97.285 ug/L	100
3) Chloromethane	1.33	50	264602	98.152 ug/L	100
5) Vinyl chloride	1.40	62	254866	96.750 ug/L	98
6) Bromomethane	1.62	94	114519	99.478 ug/L	99
8) Chloroethane	1.69	64	146444	92.762 ug/L	100
9) Trichlorofluoromethane	1.88	101	256532	97.288 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	152592	97.476 ug/L	100
12) 1,1-Dichloroethene	2.28	96	149014	97.511 ug/L	92
13) Acetone	2.32	43	231670	187.930 ug/L	99
14) Carbon disulfide	2.48	76	530915	94.579 ug/L	99
15) Methyl Acetate	2.62	43	242928	98.341 ug/L	100
16) Methylene chloride	2.70	84	182472	98.311 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	163873	96.836 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	560042	99.534 ug/L	100
19) 1,1-Dichloroethane	3.45	63	340995	97.586 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	184461	98.261 ug/L	100
22) 2-Butanone	4.26	43	352120	199.542 ug/L	100
23) Bromochloromethane	4.55	128	85002	99.292 ug/L	97
25) Chloroform	4.67	83	318977	94.497 ug/L	99
27) 1,2-Dichloroethane	5.40	62	260329	96.029 ug/L	100
29) Cyclohexane	5.00	56	341836	102.311 ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	261092	99.066 ug/L	100
31) Carbon tetrachloride	5.14	117	223666	100.898 ug/L	99
33) Benzene	5.39	78	724239	100.053 ug/L	100
34) Trichloroethene	6.19	95	172833	99.282 ug/L	99
35) Methylcyclohexane	6.42	83	309823	102.432 ug/L	99
37) 1,2-Dichloropropane	6.43	63	208877	99.599 ug/L	100
38) Bromodichloromethane	6.76	83	238057	99.892 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	318416	103.329 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	632488	205.952 ug/L	100

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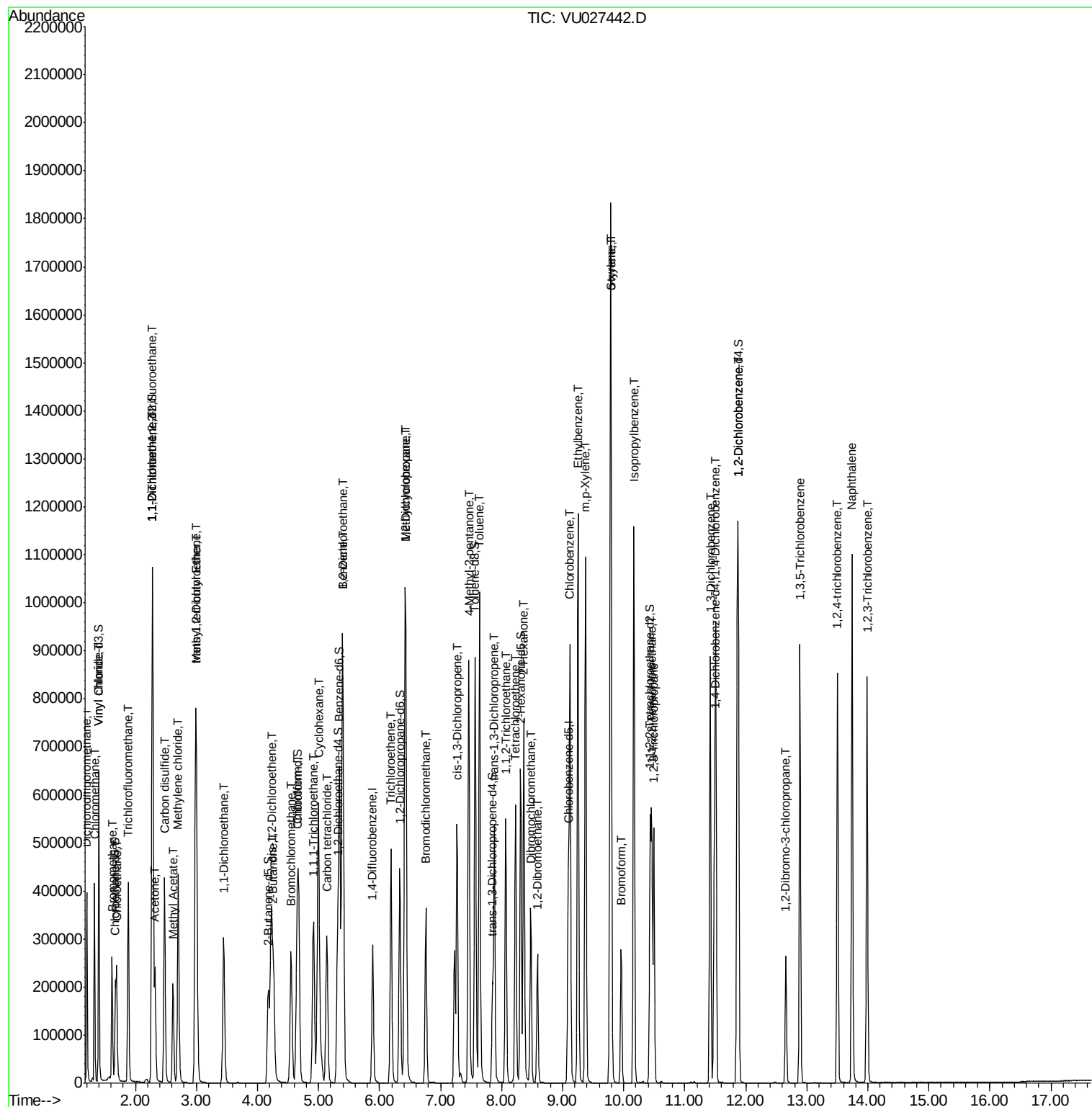
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	729850	100.489	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	295044	103.148	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	167311	99.383	ug/L	98
46) Tetrachloroethene	8.23	164	127605	98.630	ug/L	99
48) 2-Hexanone	8.36	43	500162	206.256	ug/L	100
49) Dibromochloromethane	8.48	129	180094	102.593	ug/L	97
50) 1,2-Dibromoethane	8.59	107	177460	99.359	ug/L	98
51) Chlorobenzene	9.12	112	455786	99.263	ug/L	99
52) Ethylbenzene	9.25	91	823870	102.161	ug/L	100
53) m,p-Xylene	9.38	106	303763	102.912	ug/L	99
54) o-xylene	9.78	106	289484	101.804	ug/L	100
55) Styrene	9.79	104	502361	103.167	ug/L	98
56) Isopropylbenzene	10.17	105	725560	97.365	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	277288	94.006	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	223289	94.043	ug/L	100
61) Bromoform	9.96	173	120778	97.547	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	336646	99.265	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	344349	97.341	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	348712	101.006	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	66282	103.566	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	267969	102.269	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	251232	104.262	ug/L	100
69) Naphthalene	13.74	128	825513	111.105	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	251106	102.476	ug/L	100

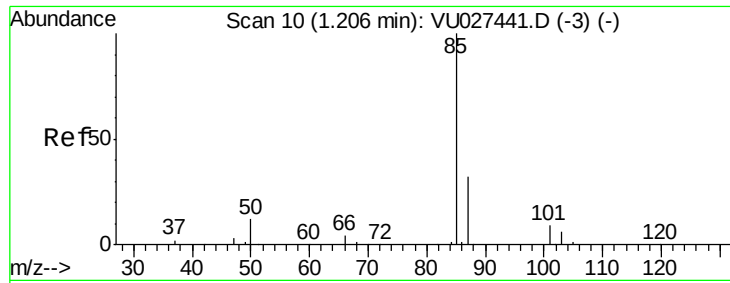
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 97.285 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

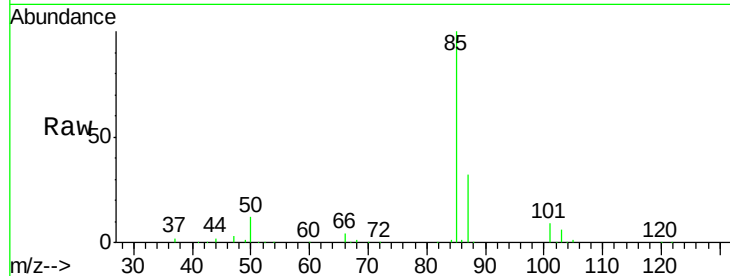
VSTD10054

Tgt Ion: 85 Resp: 228238

Ion Ratio Lower Upper

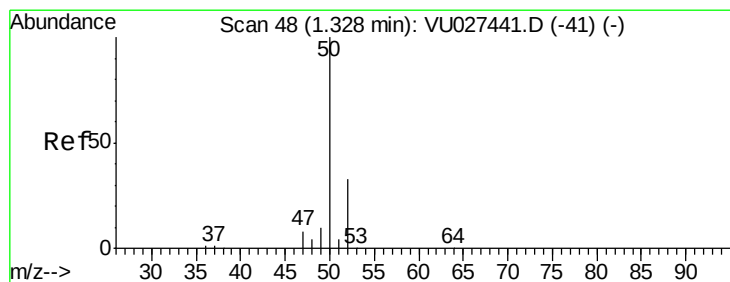
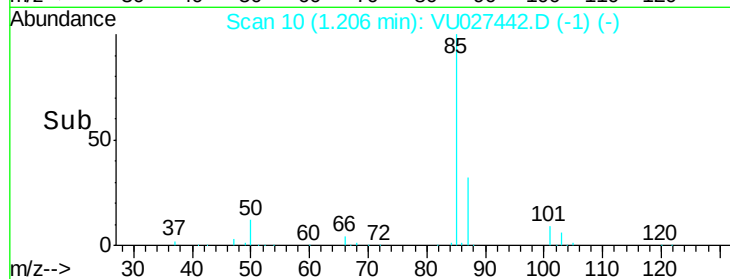
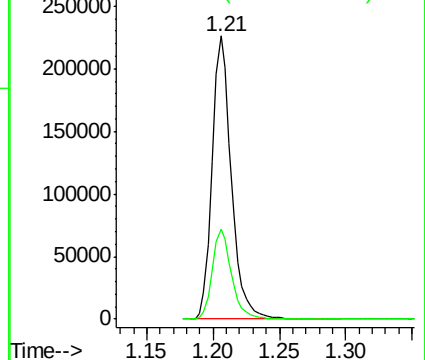
85 100

87 31.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 98.152 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027442.D

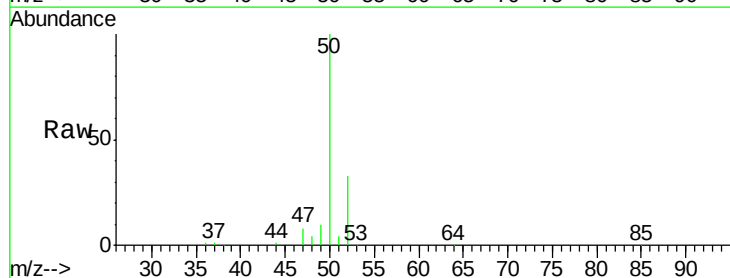
Acq: 05 Oct 2018 09:48

Tgt Ion: 50 Resp: 264602

Ion Ratio Lower Upper

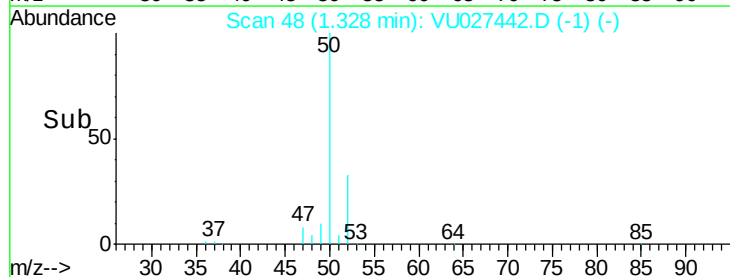
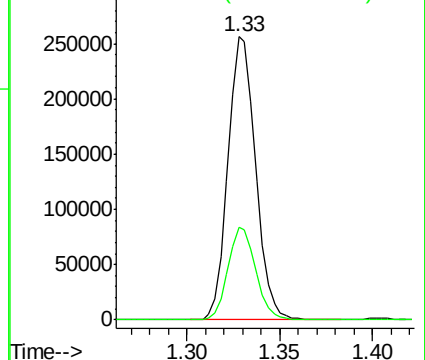
50 100

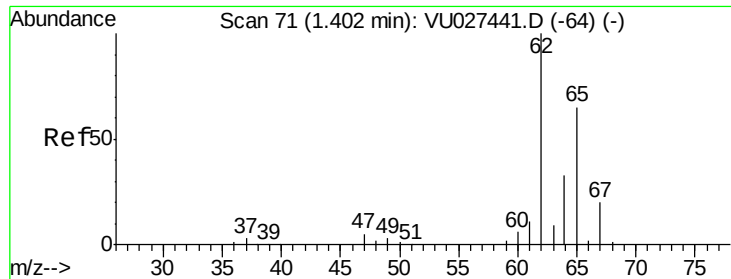
52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 96.750 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

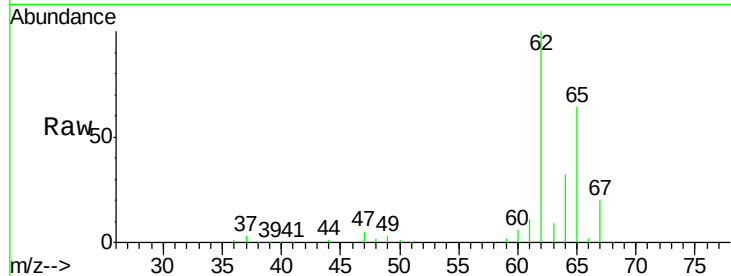
VSTD10054

Tgt Ion: 62 Resp: 254866

Ion Ratio Lower Upper

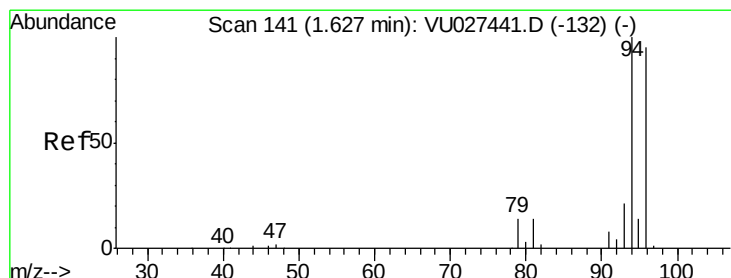
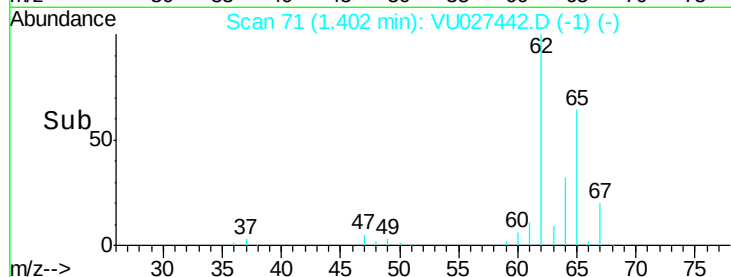
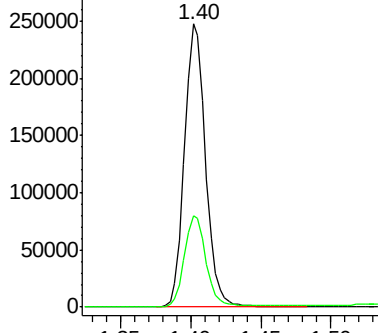
62 100

64 32.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 99.478 ug/L

RT: 1.62 min Scan# 138

Delta R.T. -0.01 min

Lab File: VU027442.D

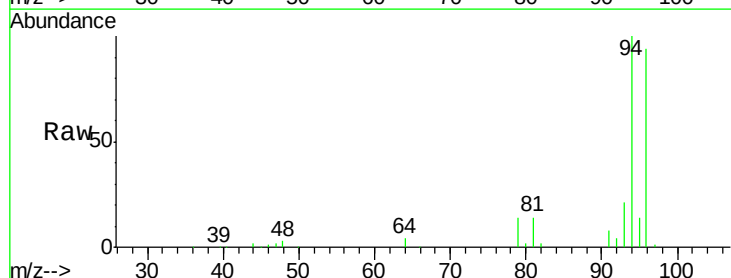
Acq: 05 Oct 2018 09:48

Tgt Ion: 94 Resp: 114519

Ion Ratio Lower Upper

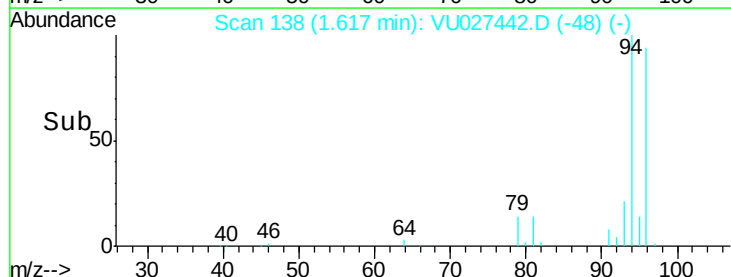
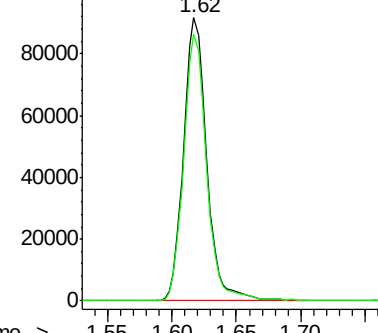
94 100

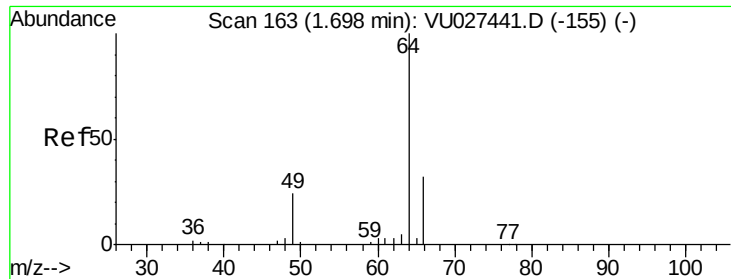
96 94.3 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 92.762 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

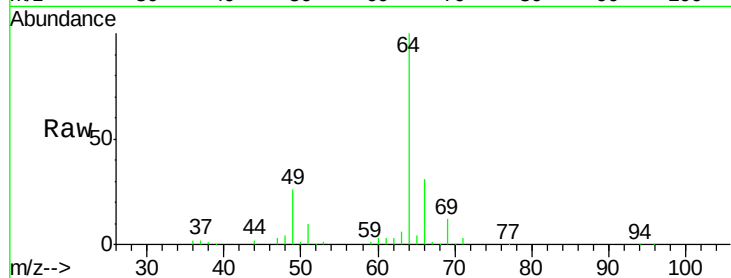
VSTD10054

Tgt Ion: 64 Resp: 146444

Ion Ratio Lower Upper

64 100

66 31.1 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU027441.D (-155) (-)

Ion 66.00 (65.70 to 66.70): VU027441.D (-155) (-)

1.69

120000

100000

80000

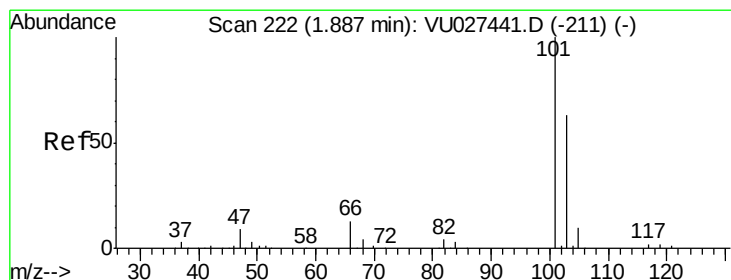
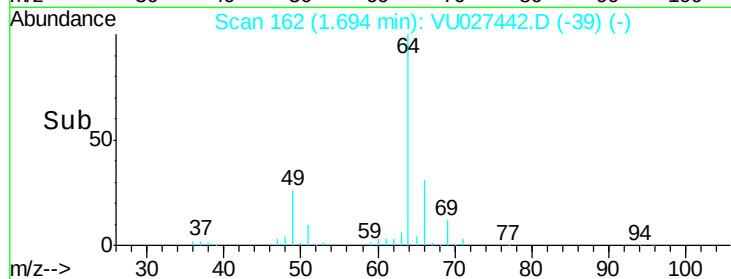
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 97.288 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU027442.D

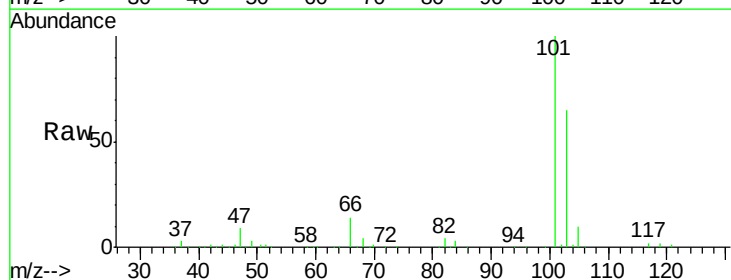
Acq: 05 Oct 2018 09:48

Tgt Ion: 101 Resp: 256532

Ion Ratio Lower Upper

101 100

103 64.6 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU027441.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU027441.D (-211) (-)

1.88

200000

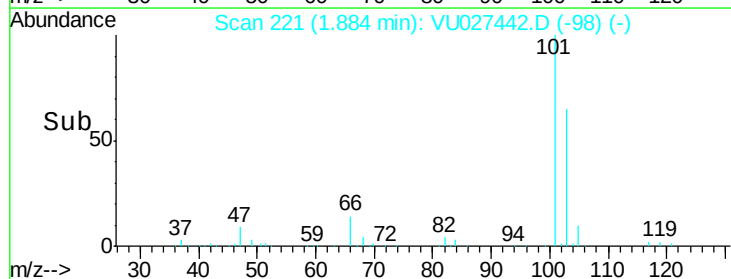
150000

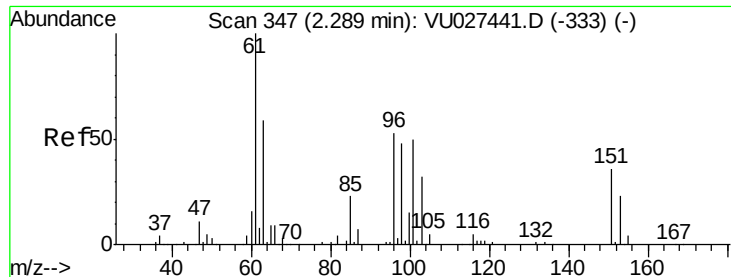
100000

50000

0

Time-->





#10

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

Concen: 97.476 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

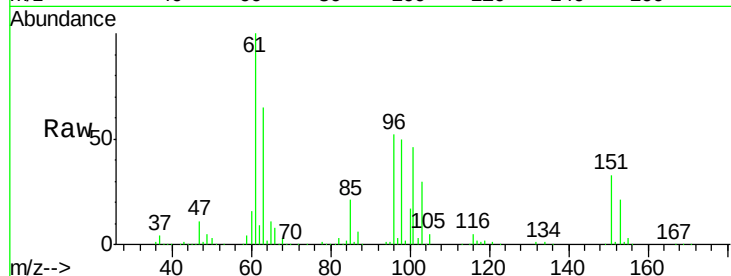
Tgt Ion: 101 Resp: 152592

Ion Ratio Lower Upper

101 100

85 44.8 35.9 53.9

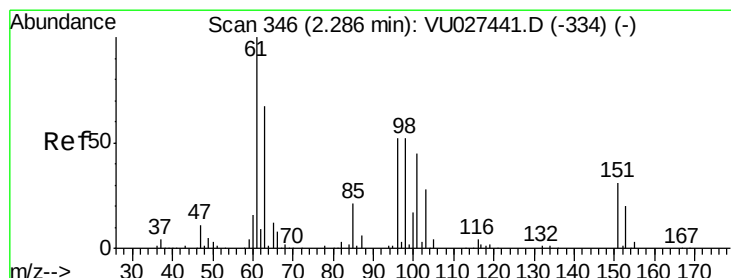
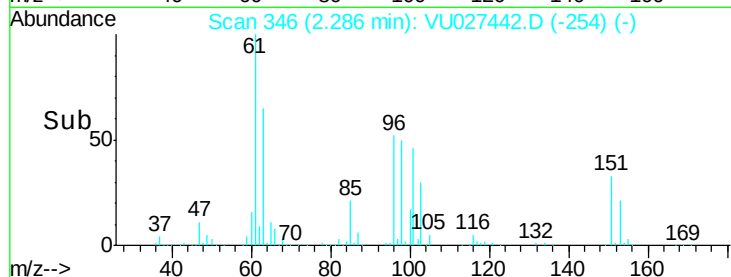
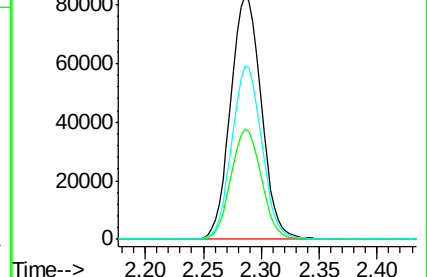
151 69.6 55.7 83.5



Abundance Ion 101.00 (100.70 to 101.70): VU027441.D (-333) (-)

Ion 85.00 (84.70 to 85.70): VU027441.D (-333) (-)

Ion 151.00 (150.70 to 151.70): VU027441.D (-333) (-)



#12

1,1-Dichloroethene

Concen: 97.511 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

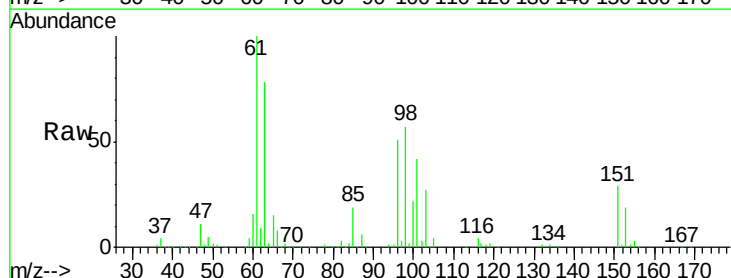
Tgt Ion: 96 Resp: 149014

Ion Ratio Lower Upper

96 100

61 197.8 135.2 251.0

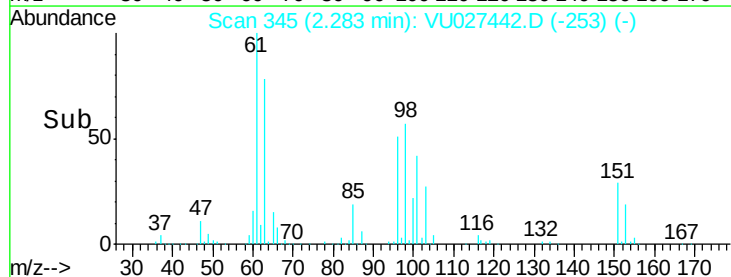
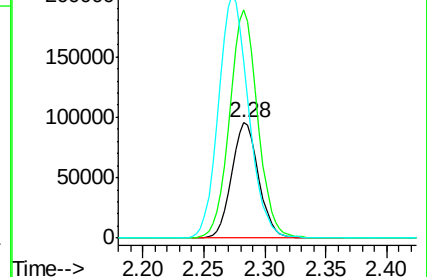
63 153.7 94.3 175.1

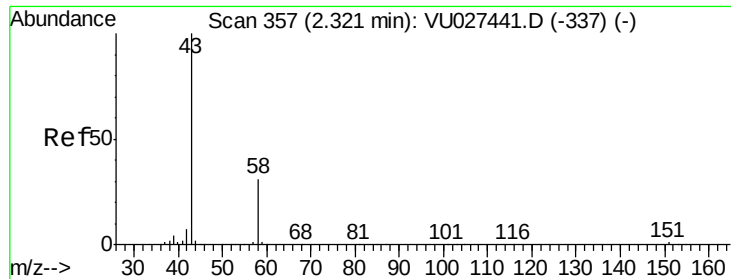


Abundance Ion 96.00 (95.70 to 96.70): VU027441.D (-334) (-)

Ion 61.00 (60.70 to 61.70): VU027441.D (-334) (-)

Ion 63.00 (62.70 to 63.70): VU027441.D (-334) (-)





#13

Acetone

Concen: 187.930 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027442.D

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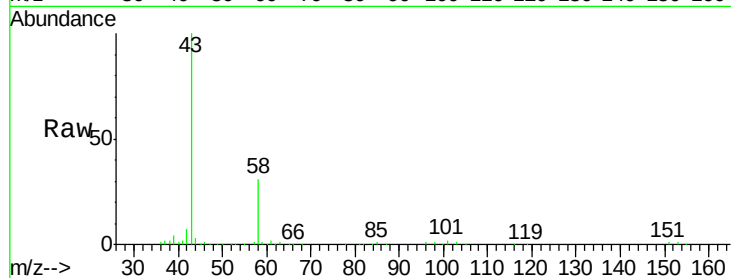
VSTD10054

Tgt Ion: 43 Resp: 231670

Ion Ratio Lower Upper

43 100

58 30.9 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

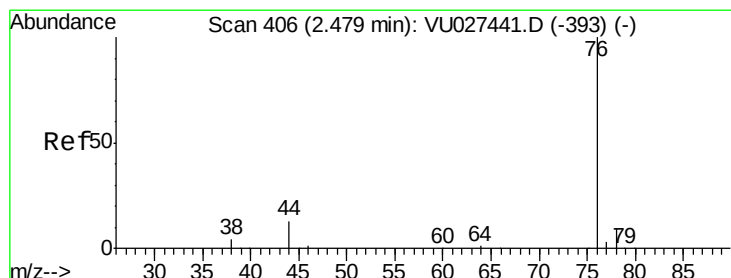
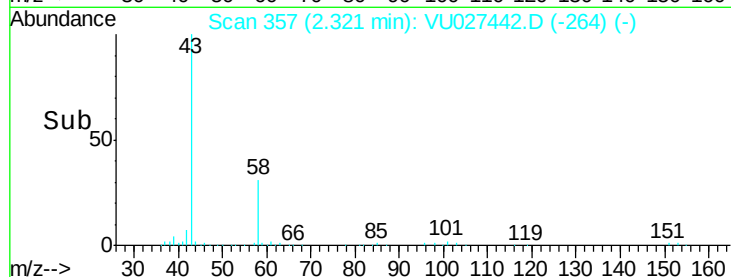
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 94.579 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027442.D

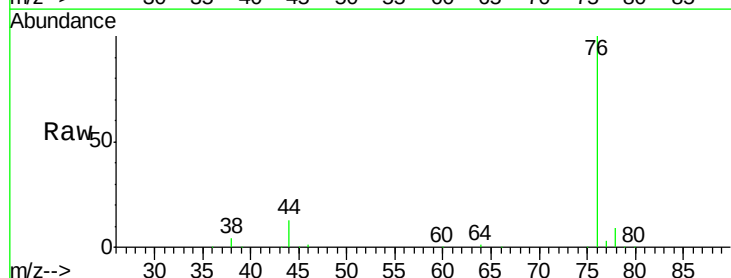
Acq: 05 Oct 2018 09:48

Tgt Ion: 76 Resp: 530915

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

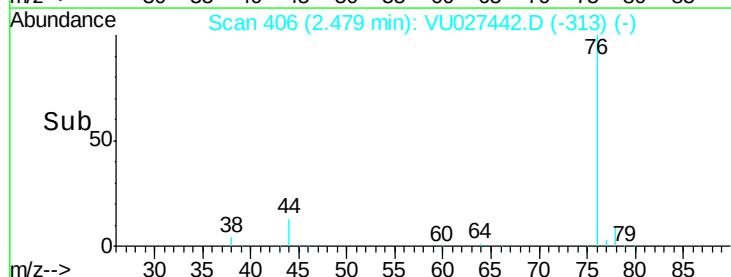
300000

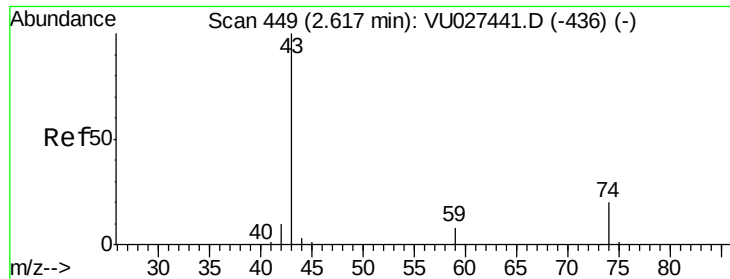
200000

100000

0

Time--> 2.40 2.50 2.60

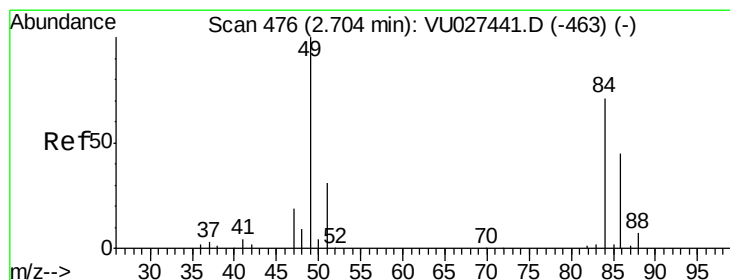
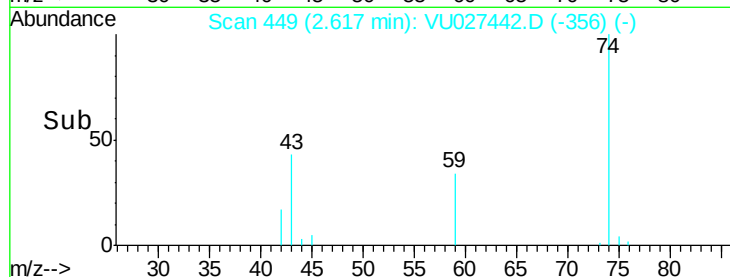
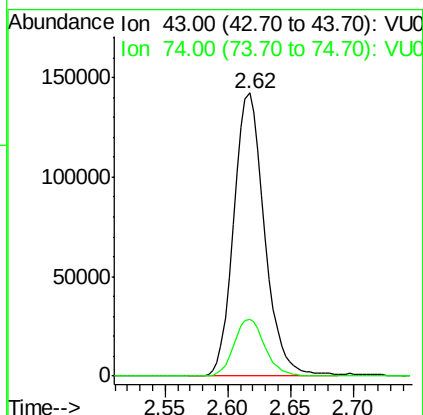
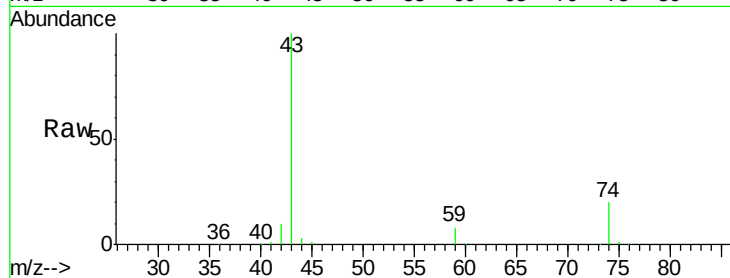




#15
Methyl Acetate
Concen: 98.341 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

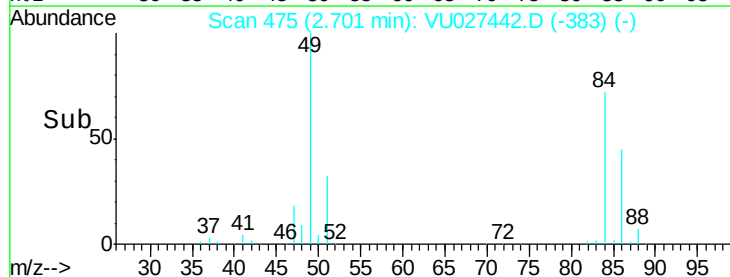
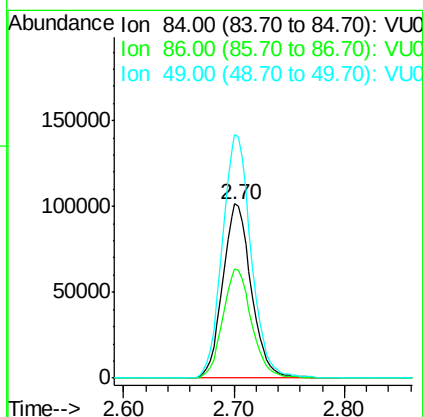
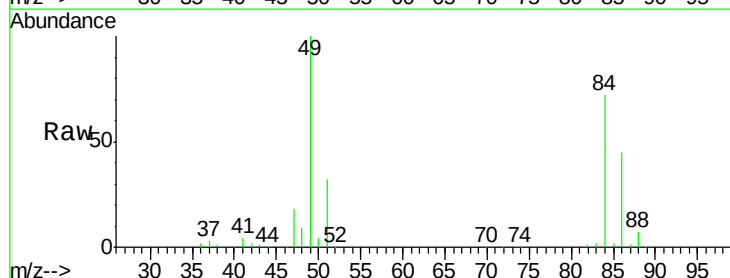
Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

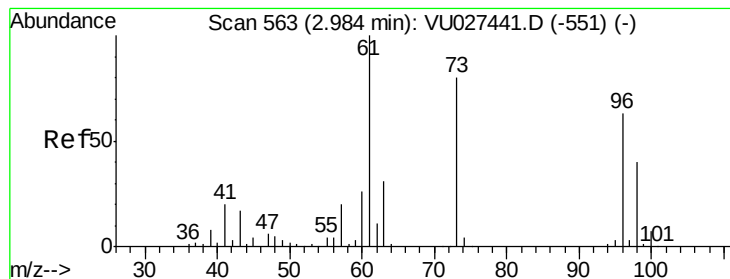
Tgt Ion: 43 Resp: 242928
Ion Ratio Lower Upper
43 100
74 20.2 16.0 24.0



#16
Methylene chloride
Concen: 98.311 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

Tgt Ion: 84 Resp: 182472
Ion Ratio Lower Upper
84 100
86 62.8 44.6 82.8
49 139.8 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 96.836 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

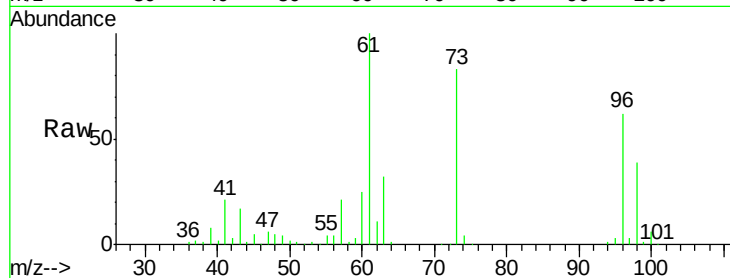
Tgt Ion: 96 Resp: 163873

Ion Ratio Lower Upper

96 100

61 161.9 110.9 205.9

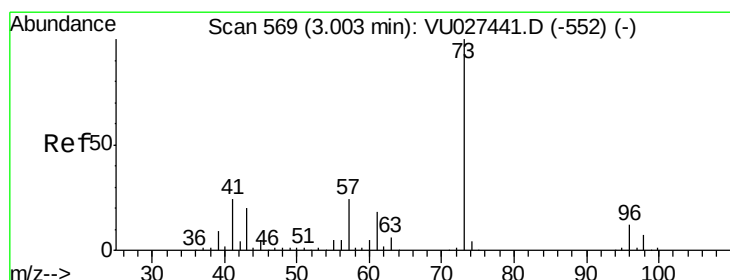
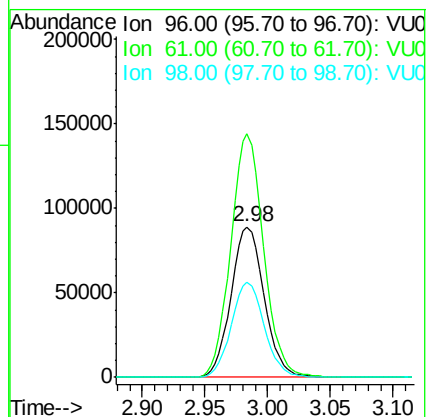
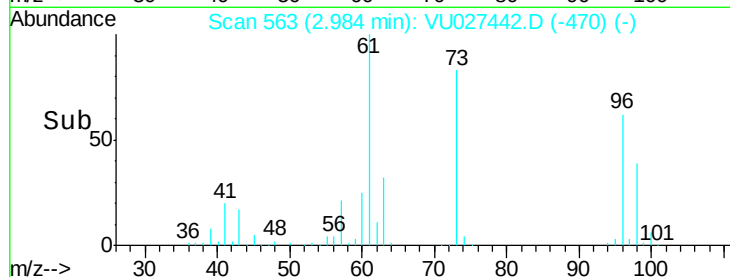
98 62.8 43.7 81.1



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: 99.534 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

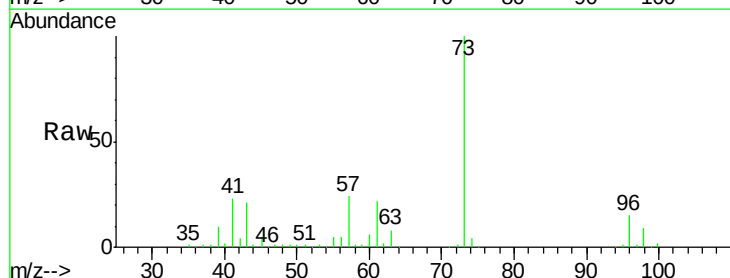
Tgt Ion: 73 Resp: 560042

Ion Ratio Lower Upper

73 100

43 20.4 16.5 24.7

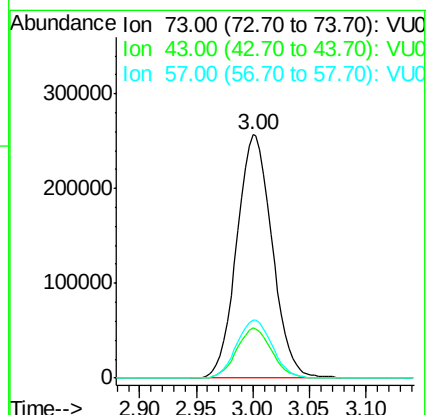
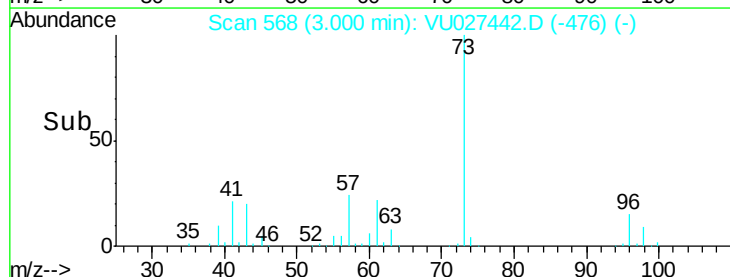
57 24.1 19.4 29.0

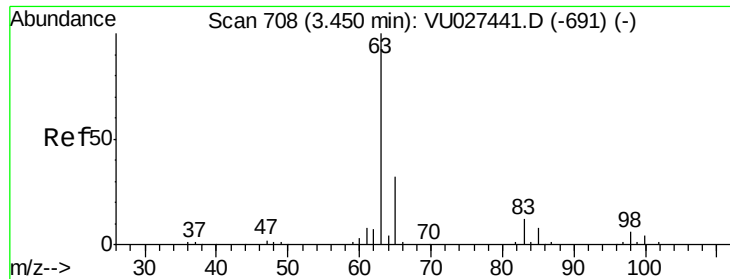


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

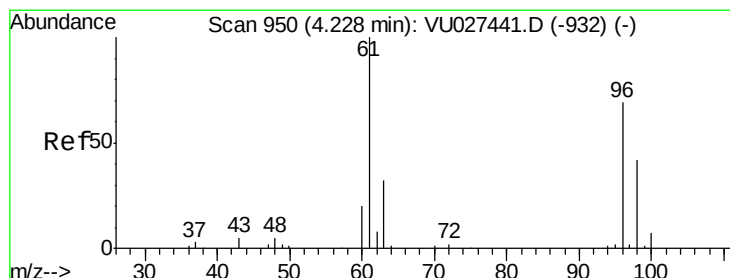
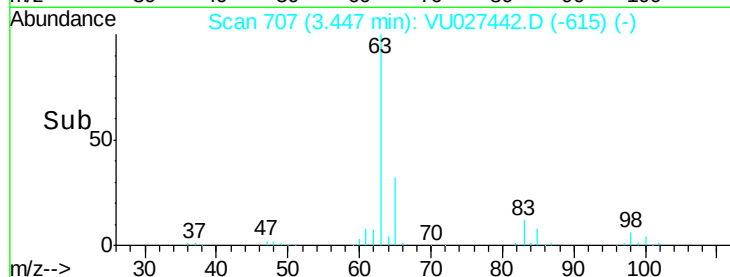
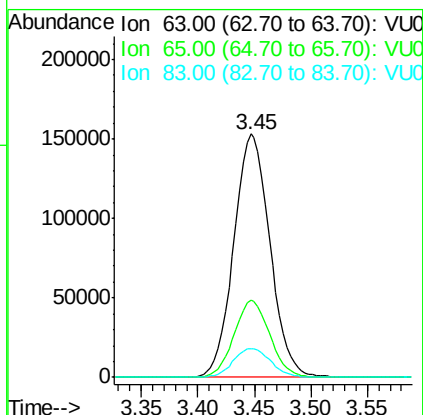
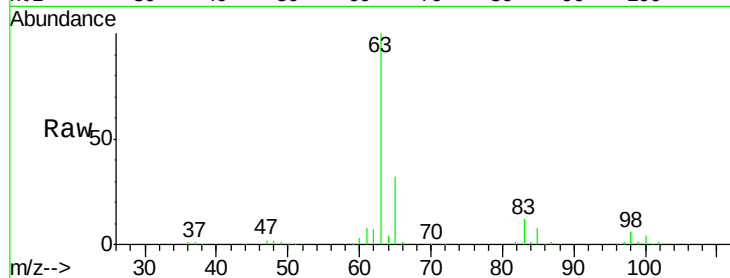




#19
 1,1-Dichloroethane
 Concen: 97.586 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

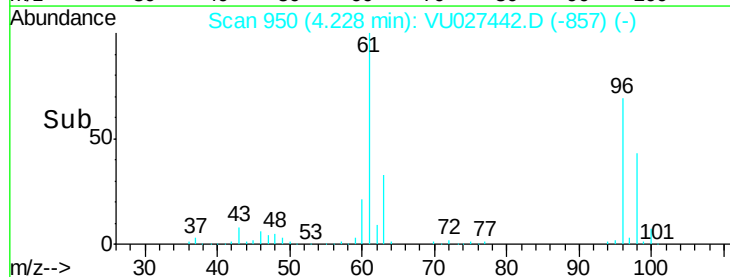
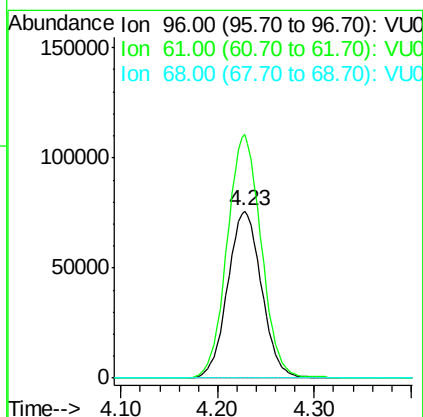
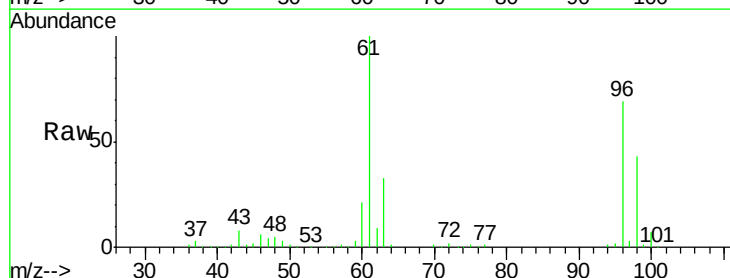
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

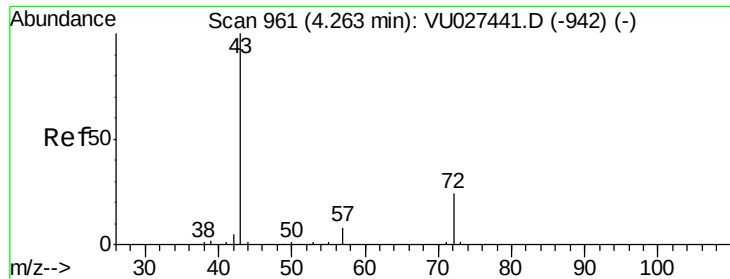
Tgt Ion: 63 Resp: 340995
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.3
 83 11.9 8.4 15.6



#20
 cis-1,2-Dichloroethene
 Concen: 98.261 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Tgt Ion: 96 Resp: 184461
 Ion Ratio Lower Upper
 96 100
 61 145.9 102.0 189.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 199.542 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

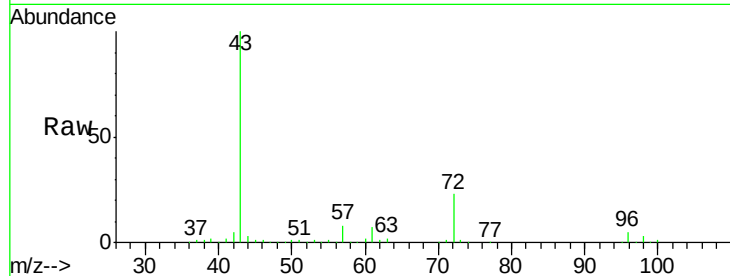
VSTD10054

Tgt Ion: 43 Resp: 352120

Ion Ratio Lower Upper

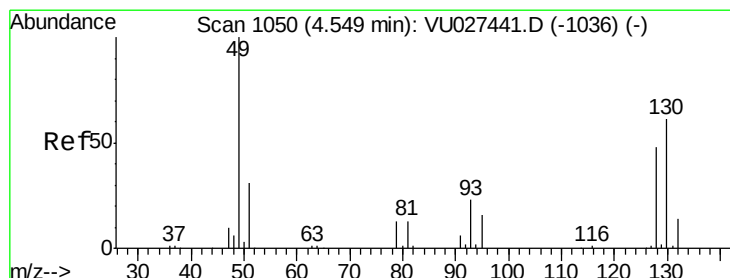
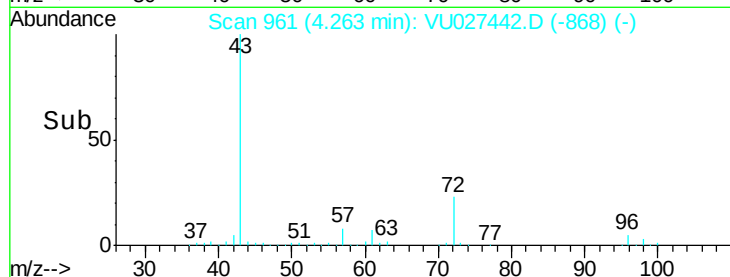
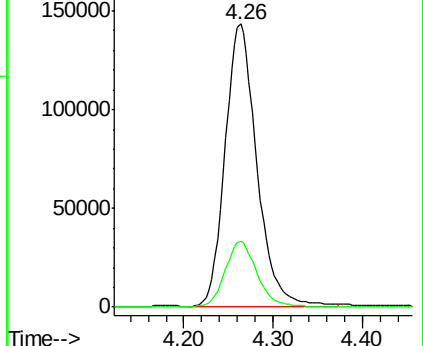
43 100

72 23.8 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 99.292 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Tgt Ion: 128 Resp: 85002

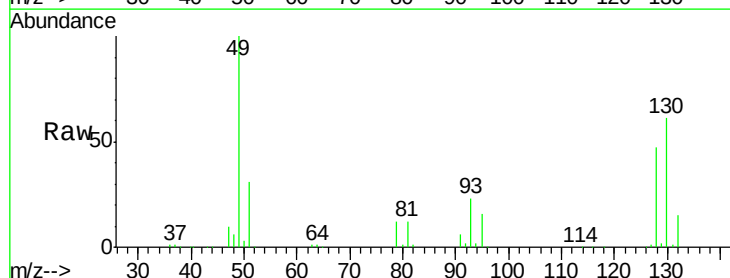
Ion Ratio Lower Upper

128 100

49 214.6 146.9 272.7

130 130.1 89.2 165.6

51 66.4 52.2 78.4

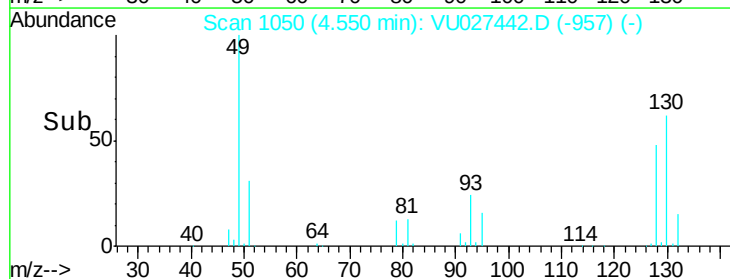
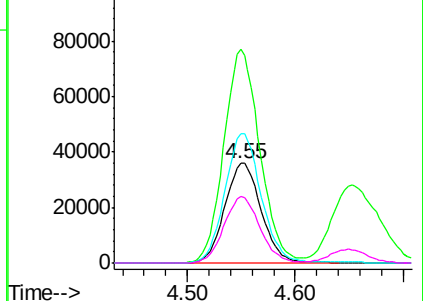


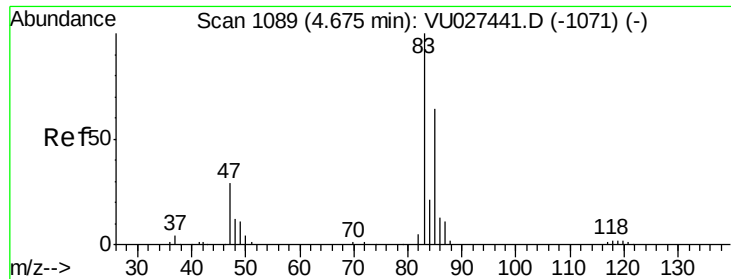
Abundance Ion 128.00 (127.70 to 128.70): V

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

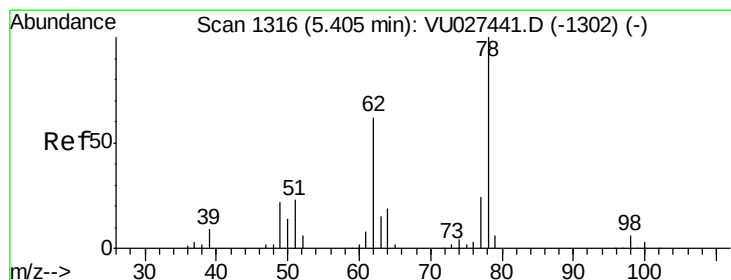
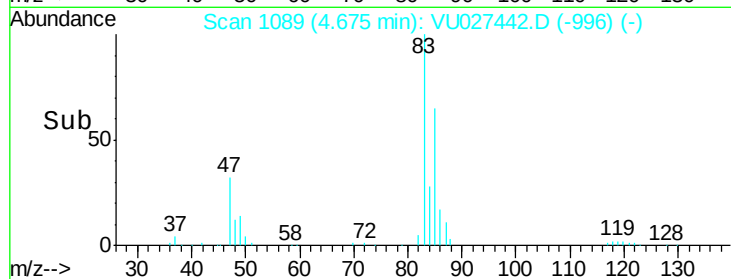
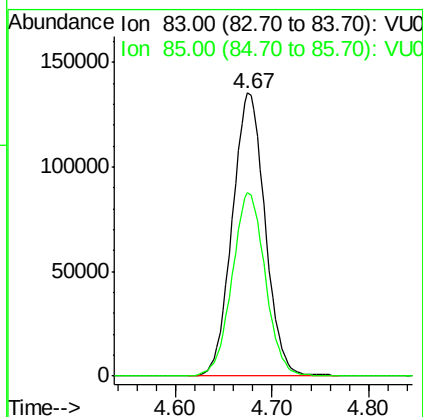
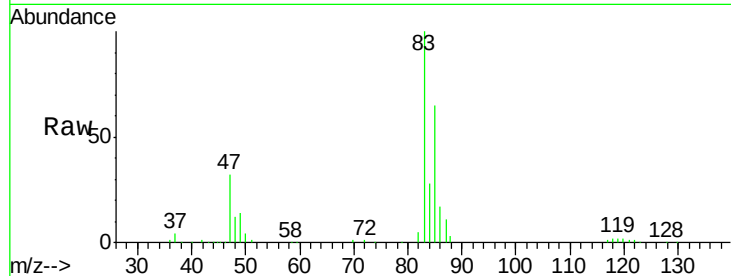




#25
Chloroform
Concen: 94.497 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

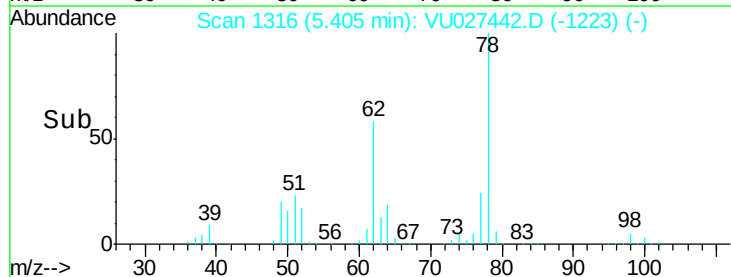
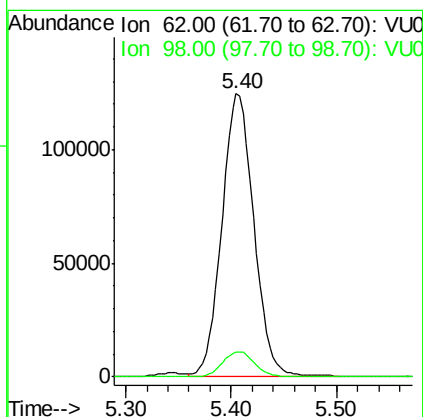
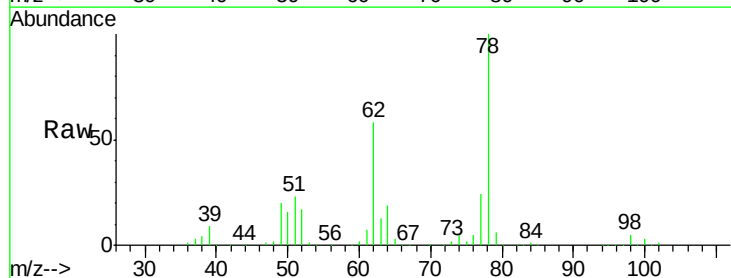
Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

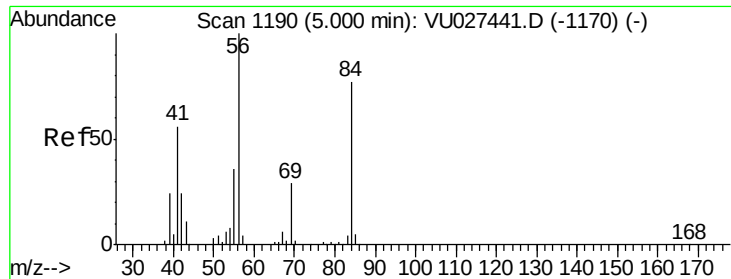
Tgt Ion: 83 Resp: 318977
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 96.029 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

Tgt Ion: 62 Resp: 260329
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

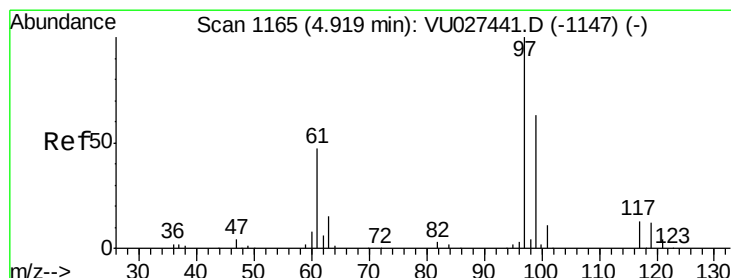
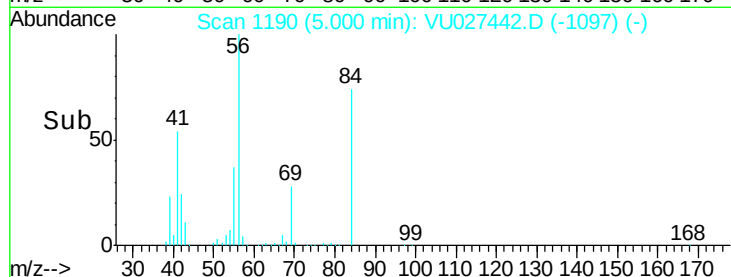
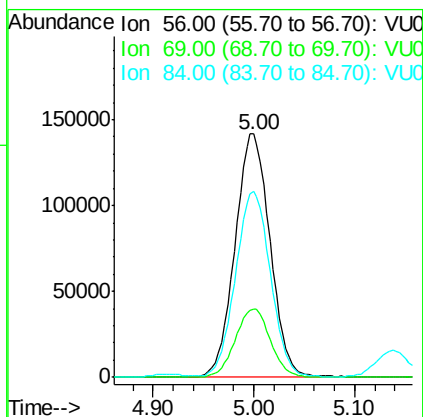
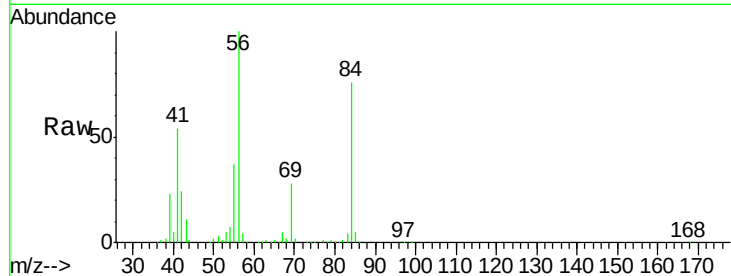




#29
Cyclohexane
Concen: 102.311 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

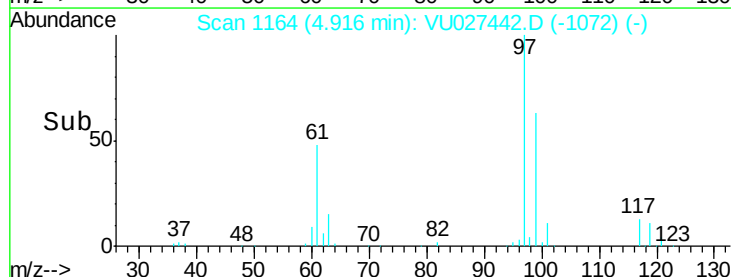
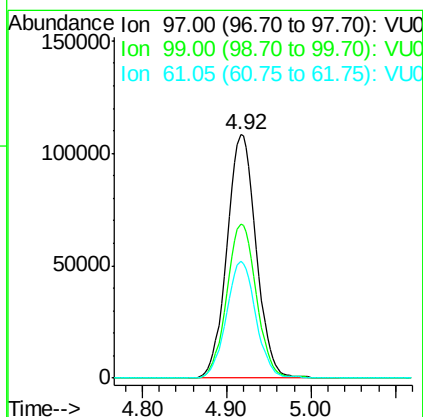
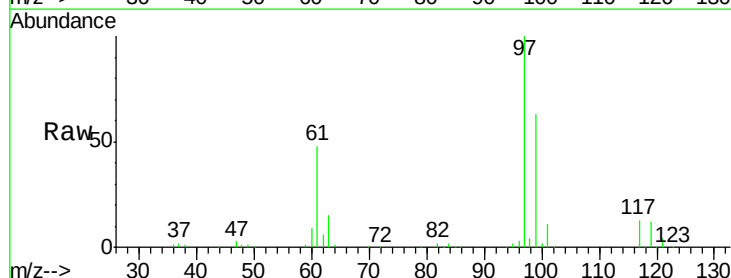
Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

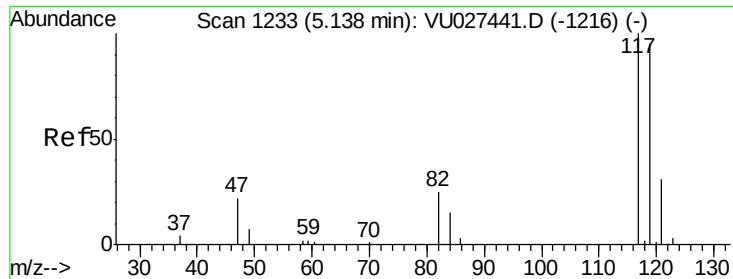
Tgt Ion: 56 Resp: 341836
Ion Ratio Lower Upper
56 100
69 28.1 22.5 33.7
84 76.4 60.9 91.3



#30
1,1,1-Trichloroethane
Concen: 99.066 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

Tgt Ion: 97 Resp: 261092
Ion Ratio Lower Upper
97 100
99 64.0 50.9 76.3
61 48.0 38.2 57.4



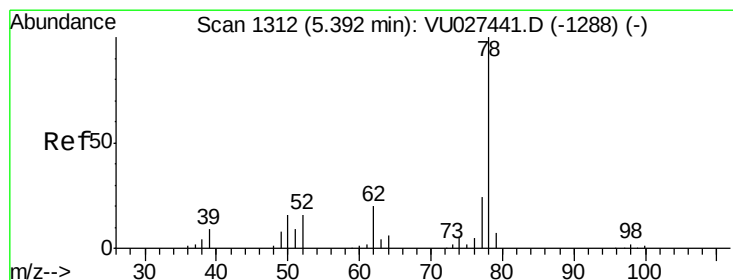
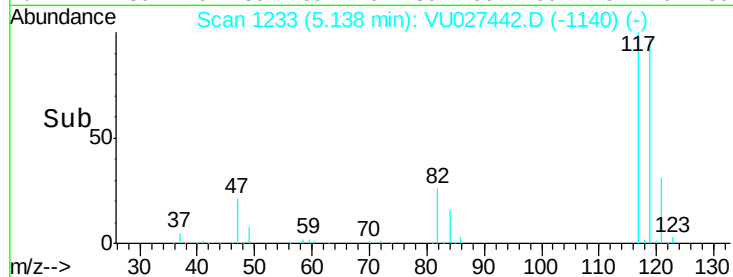
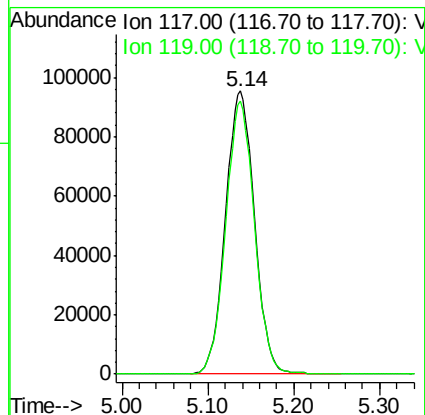
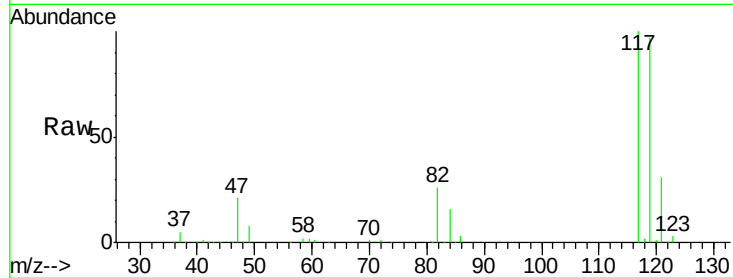


#31

Carbon tetrachloride
 Concen: 100.898 ug/L
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

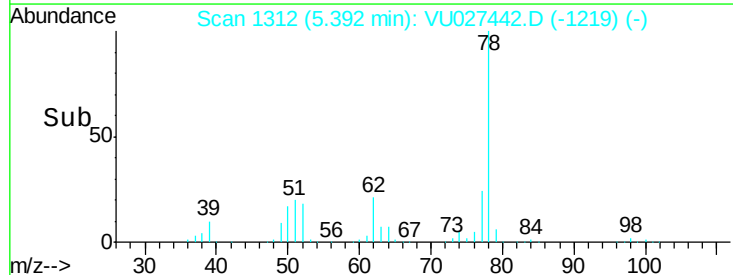
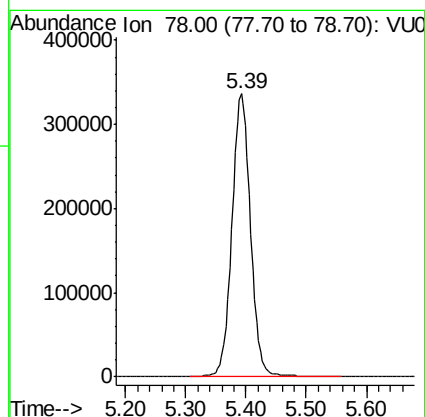
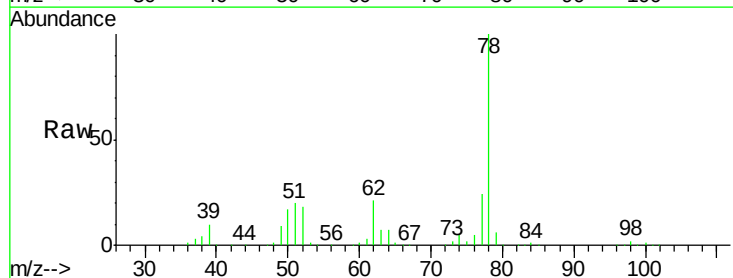
Tgt Ion:117 Resp: 223666
 Ion Ratio Lower Upper
 117 100
 119 95.4 76.8 115.2

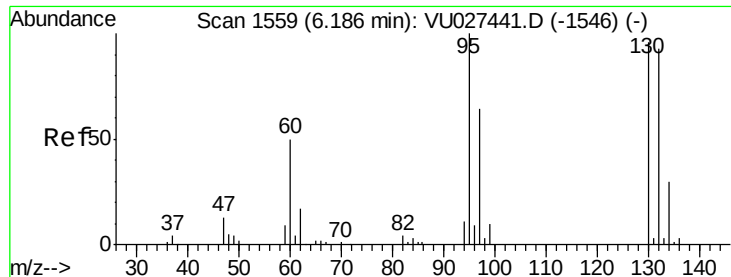


#33

Benzene
 Concen: 100.053 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Tgt Ion: 78 Resp: 724239

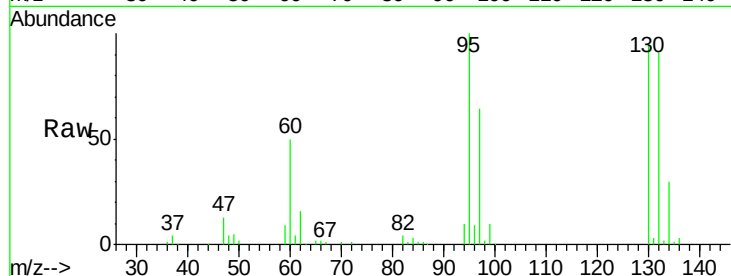




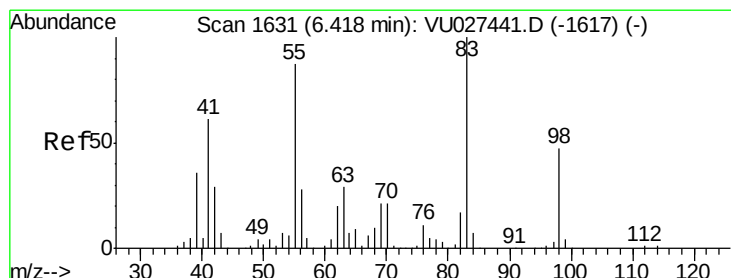
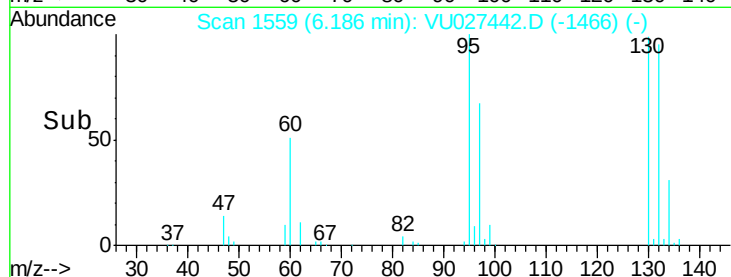
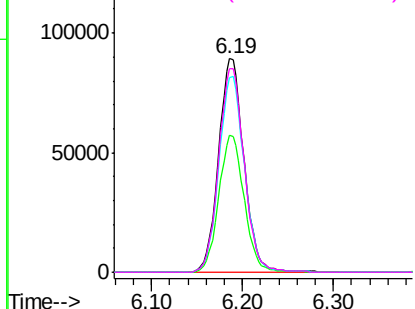
#34
 Trichloroethene
 Concen: 99.282 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

Tgt Ion: 95 Resp: 172833
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.9 83.3
 132 91.3 64.8 120.4
 130 95.2 67.1 124.7

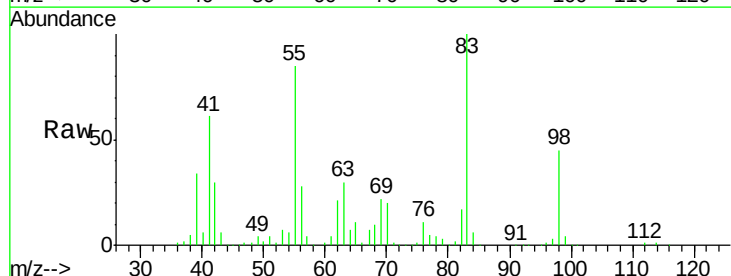


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

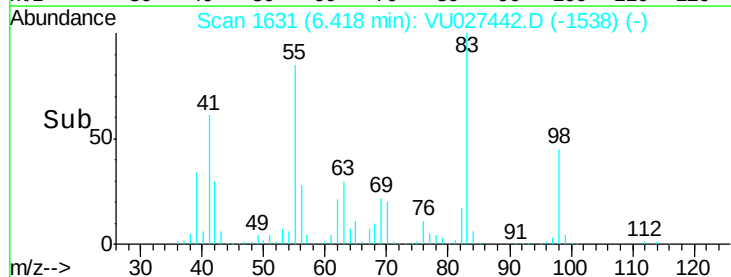
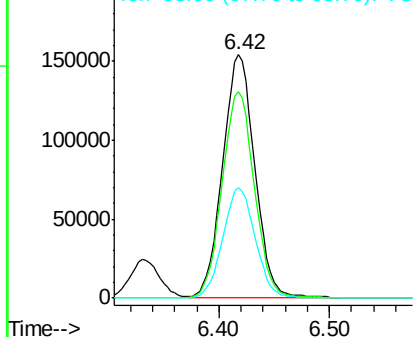


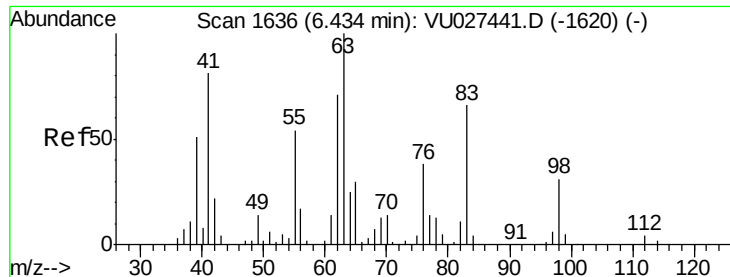
#35
 Methylcyclohexane
 Concen: 102.432 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Tgt Ion: 83 Resp: 309823
 Ion Ratio Lower Upper
 83 100
 55 85.9 69.9 104.9
 98 45.9 37.1 55.7



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

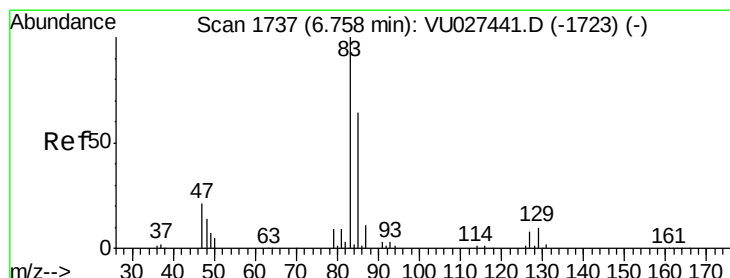
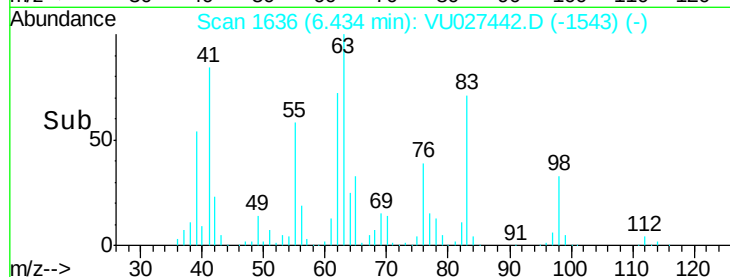
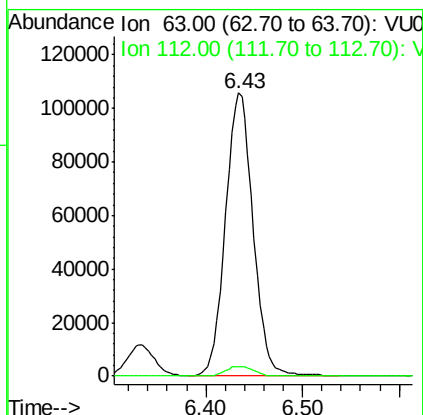
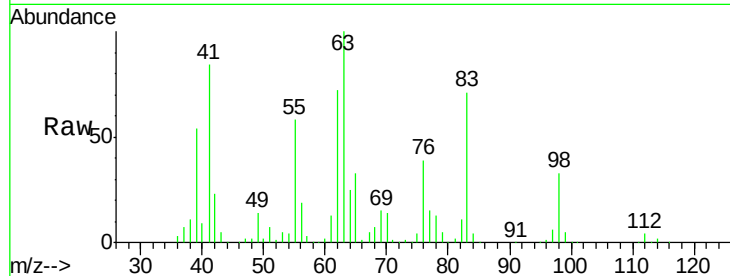




#37
 1,2-Dichloropropane
 Concen: 99.599 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

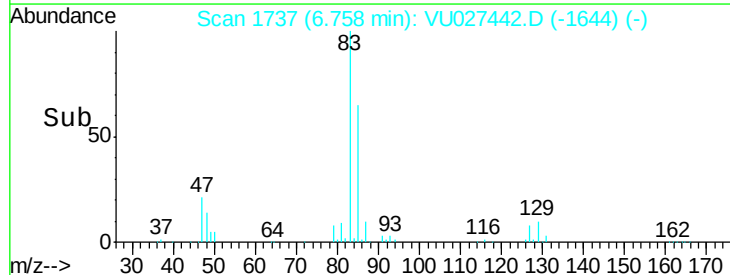
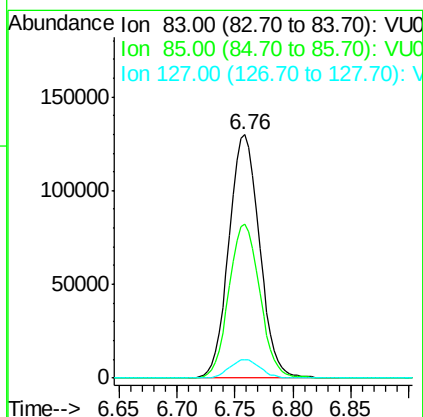
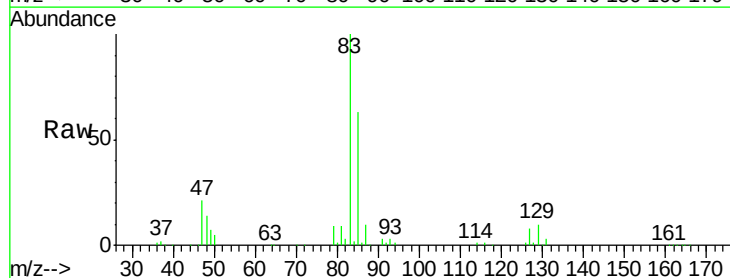
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

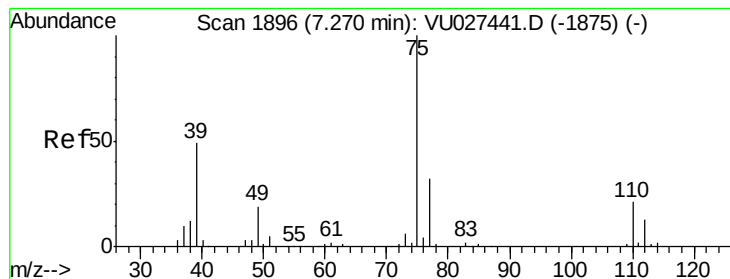
Tgt Ion: 63 Resp: 208877
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 99.892 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Tgt Ion: 83 Resp: 238057
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.7
 127 7.8 6.3 9.5



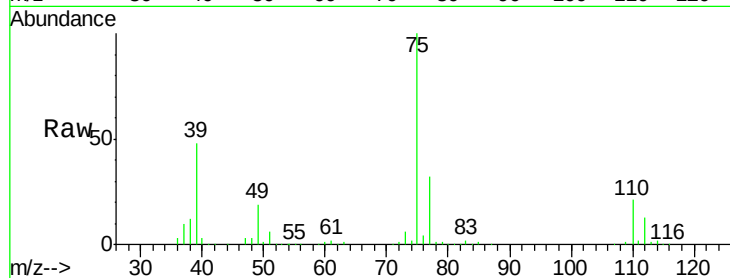


#39

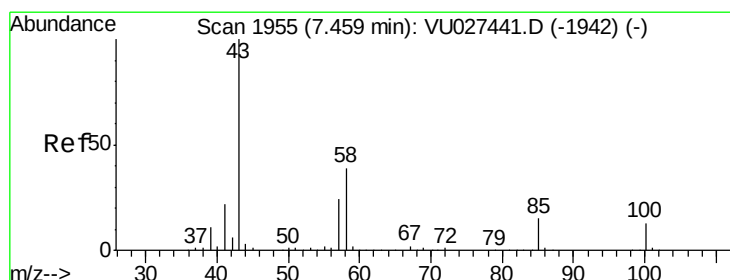
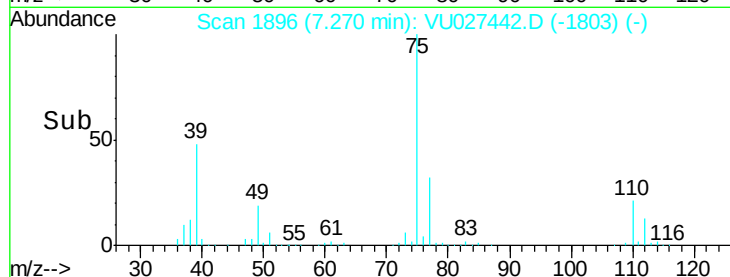
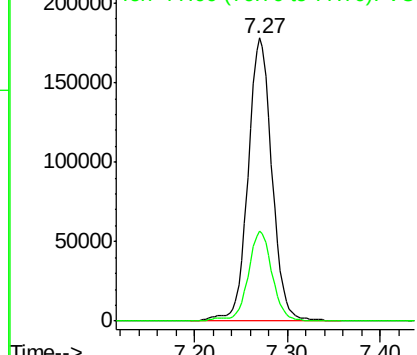
cis-1,3-Dichloropropene
 Concen: 103.329 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

Tgt Ion: 75 Resp: 318416
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1



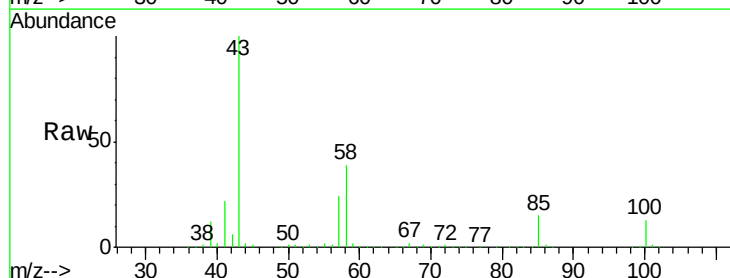
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0



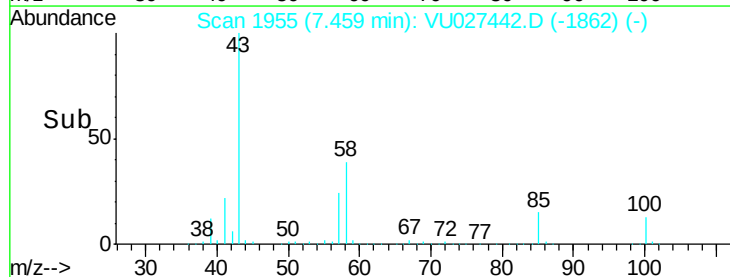
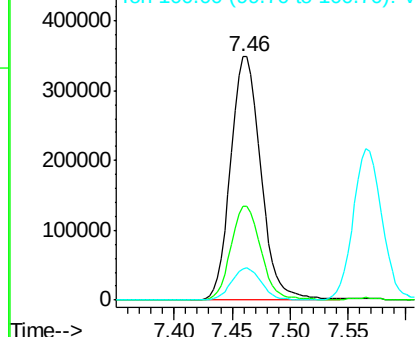
#40

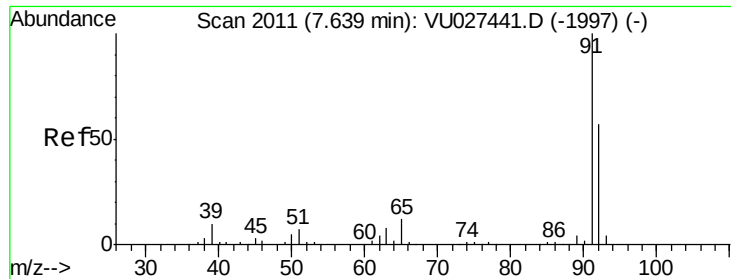
4-Methyl-2-pentanone
 Concen: 205.952 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Tgt Ion: 43 Resp: 632488
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.7 46.1
 100 13.1 10.2 15.4



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





#42

Toluene

Concen: 100.489 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

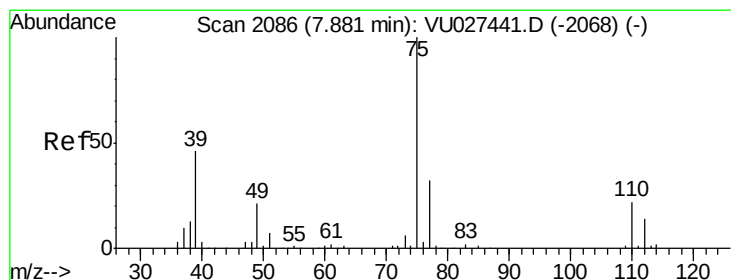
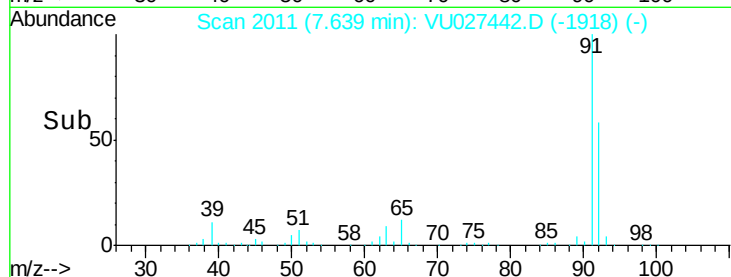
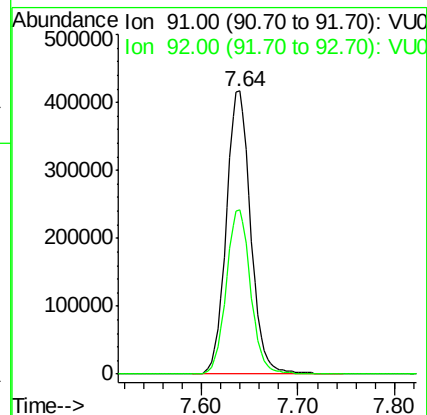
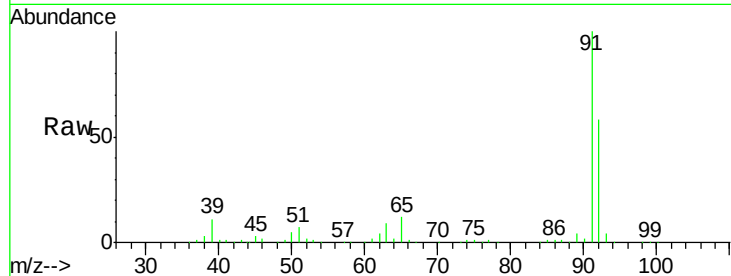
VSTD10054

Tgt Ion: 91 Resp: 729850

Ion Ratio Lower Upper

91 100

92 58.0 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 103.148 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027442.D

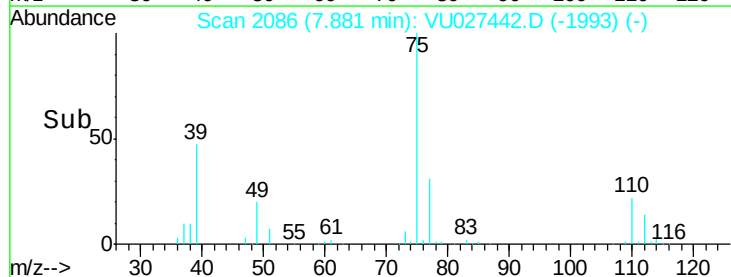
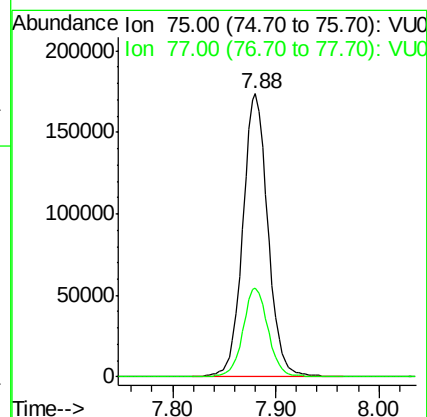
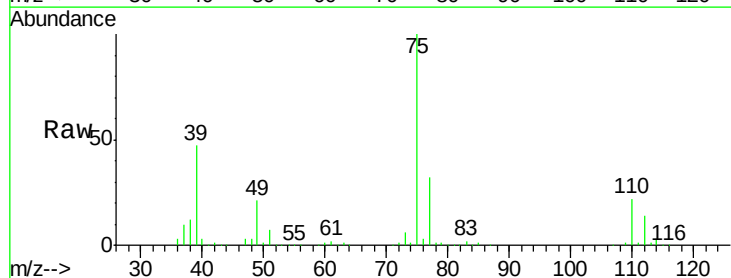
Acq: 05 Oct 2018 09:48

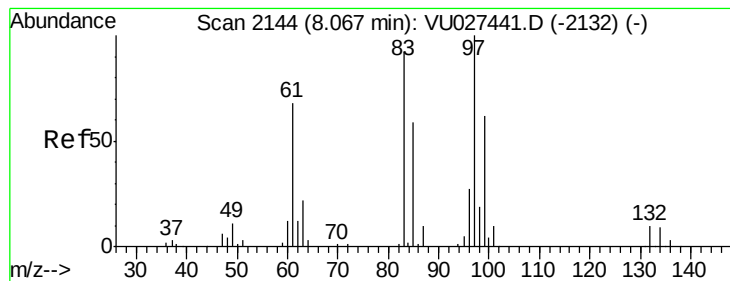
Tgt Ion: 75 Resp: 295044

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 99.383 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

Tgt Ion: 97 Resp: 167311

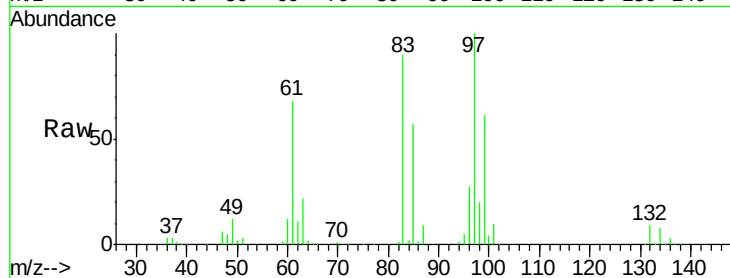
Ion Ratio Lower Upper

97 100

99 60.9 43.2 80.2

83 90.3 64.3 119.5

85 57.3 41.0 76.2

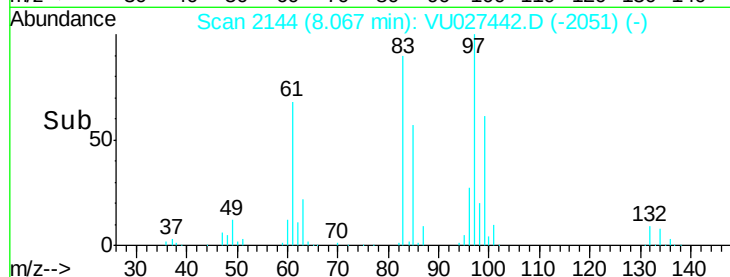


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

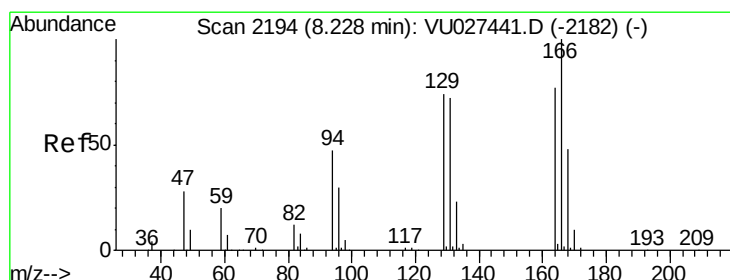
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->

8.07



#46

Tetrachloroethene

Concen: 98.630 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Tgt Ion: 164 Resp: 127605

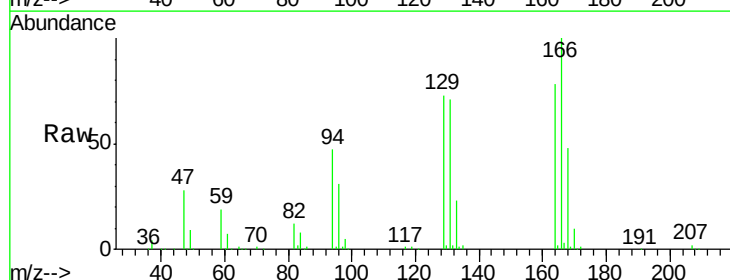
Ion Ratio Lower Upper

164 100

129 94.5 67.0 124.4

131 91.1 65.1 120.9

166 128.9 90.4 167.8

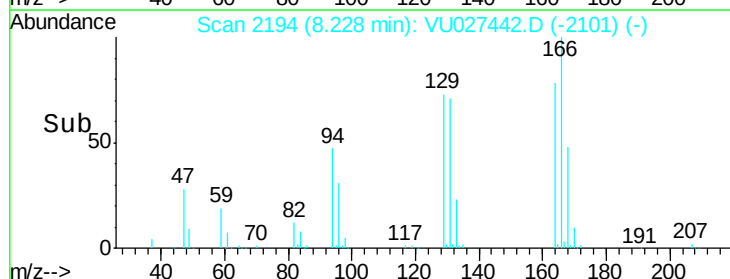


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

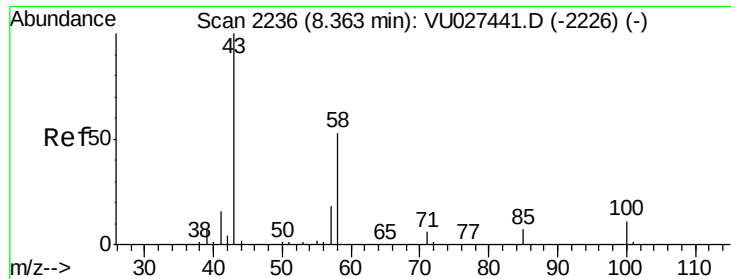
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->

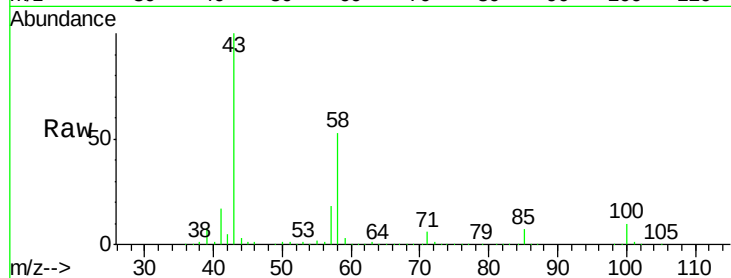
8.23



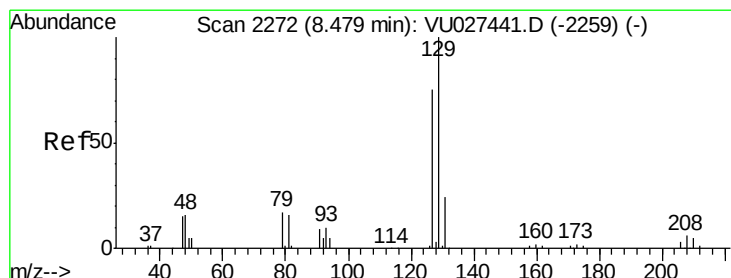
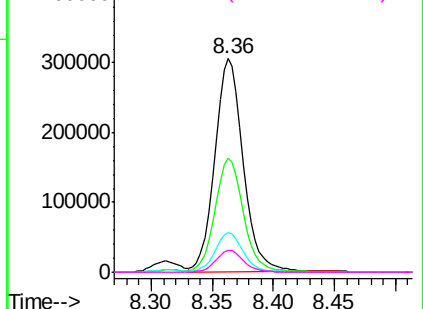
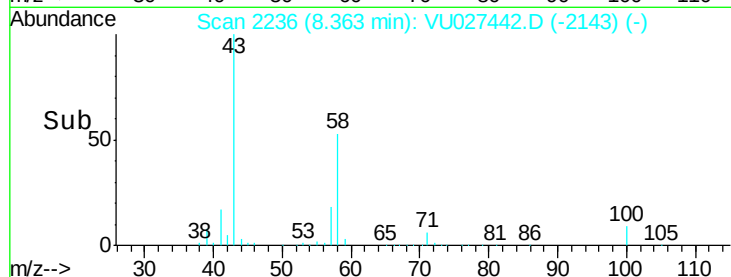
#48
2-Hexanone
Concen: 206.256 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

Tgt Ion: 43 Resp: 500162
Ion Ratio Lower Upper
43 100
58 53.7 42.7 64.1
57 18.3 14.5 21.7
100 10.2 8.2 12.2

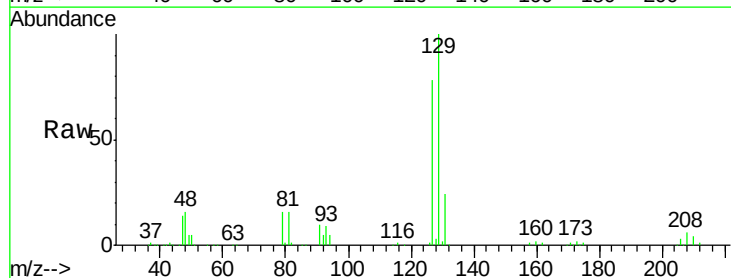


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

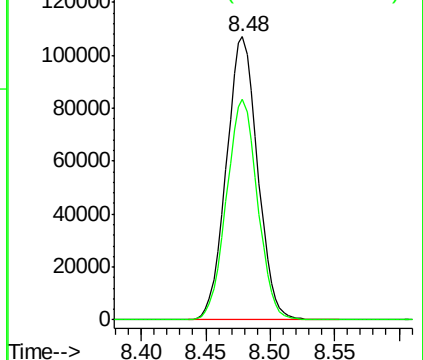
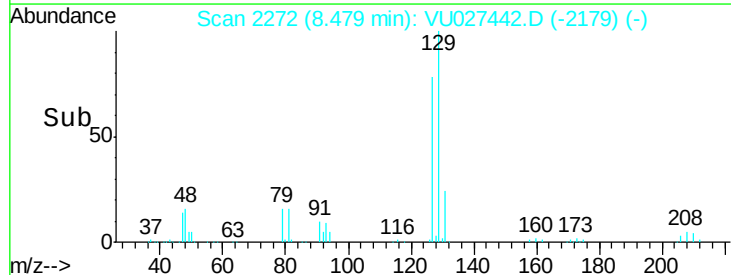


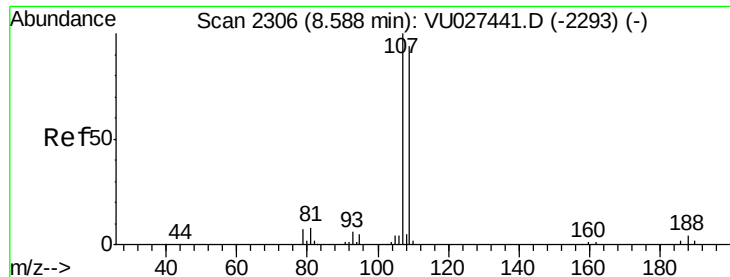
#49
Dibromochloromethane
Concen: 102.593 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

Tgt Ion: 129 Resp: 180094
Ion Ratio Lower Upper
129 100
127 77.8 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

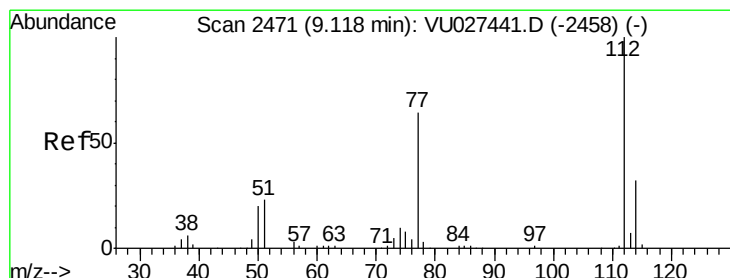
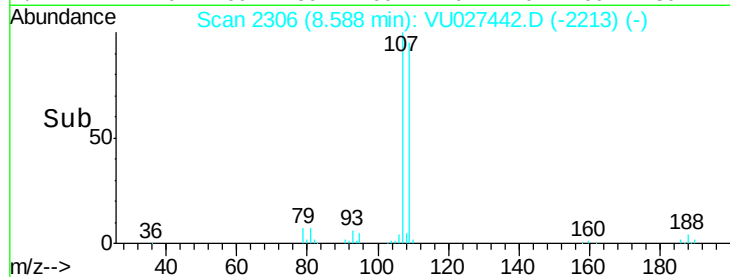
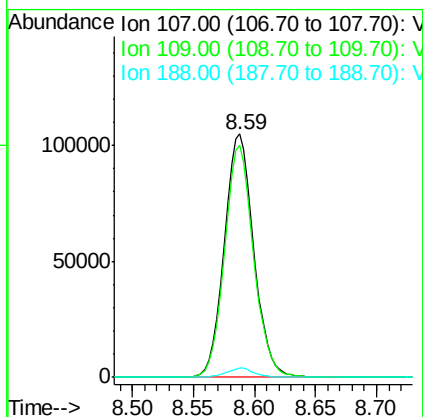
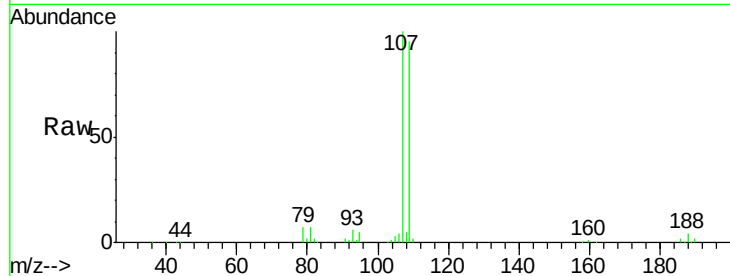




#50
 1,2-Dibromoethane
 Concen: 99.359 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

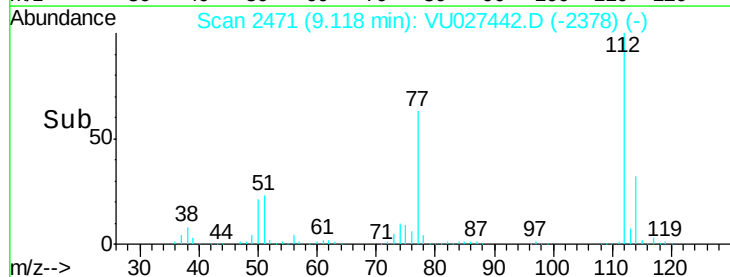
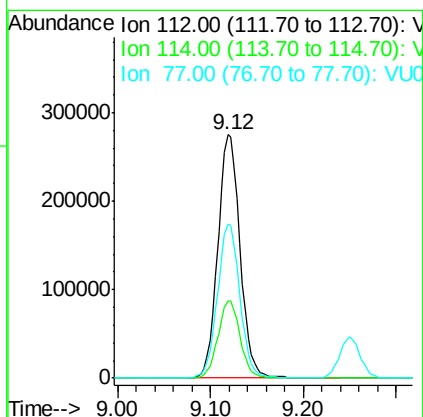
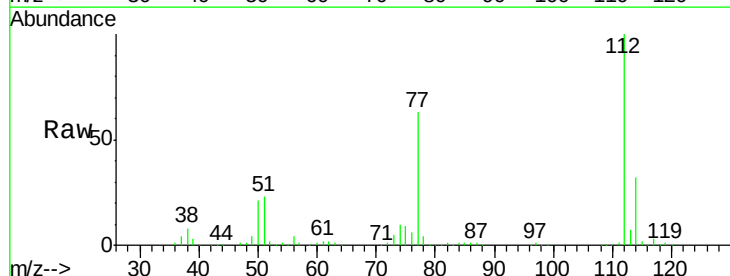
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

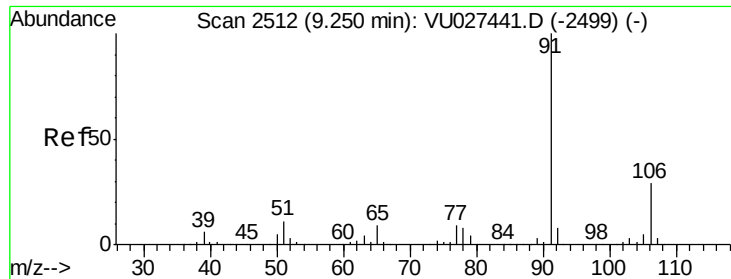
Tgt Ion:107 Resp: 177460
 Ion Ratio Lower Upper
 107 100
 109 95.1 65.5 121.6
 188 3.8 3.0 4.6



#51
 Chlorobenzene
 Concen: 99.263 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Tgt Ion:112 Resp: 455786
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.3 41.5
 77 63.5 51.7 77.5





#52

Ethylbenzene

Concen: 102.161 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

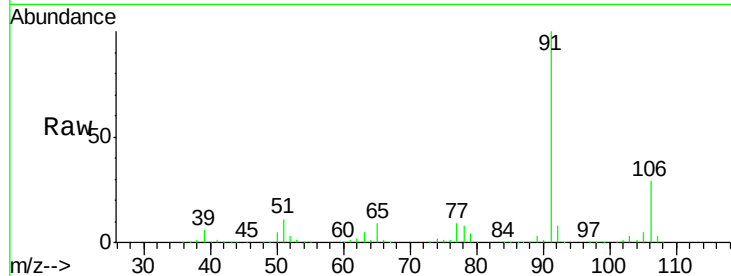
VSTD10054

Tgt Ion: 91 Resp: 823870

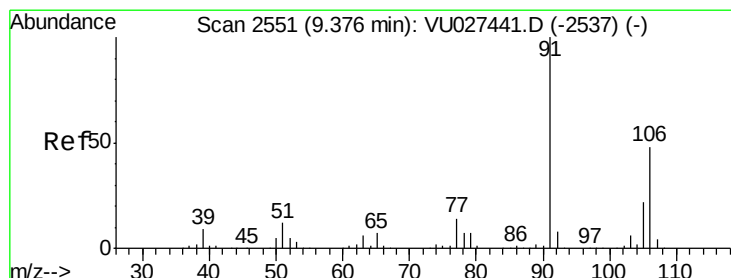
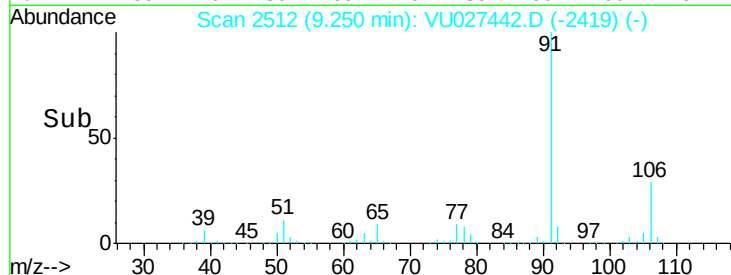
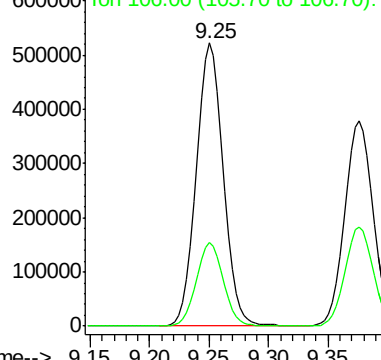
Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU027441.D (-2499) (-)



#53

m,p-Xylene

Concen: 102.912 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027442.D

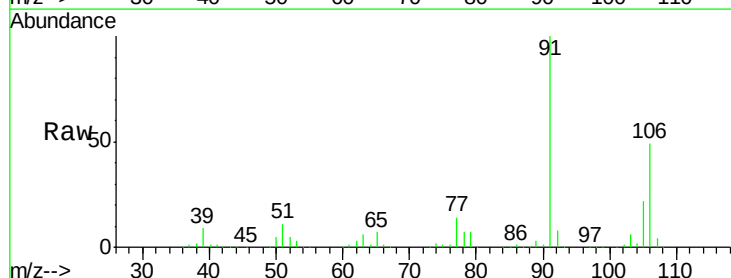
Acq: 05 Oct 2018 09:48

Tgt Ion: 106 Resp: 303763

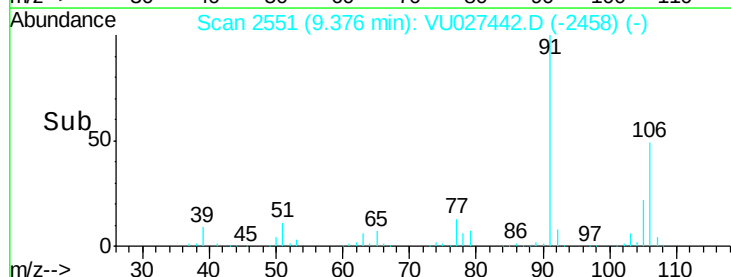
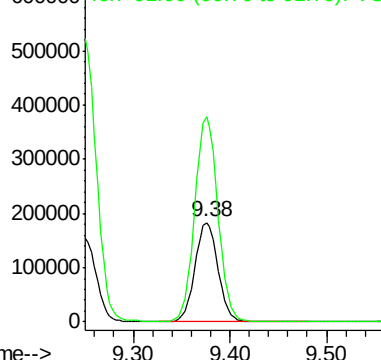
Ion Ratio Lower Upper

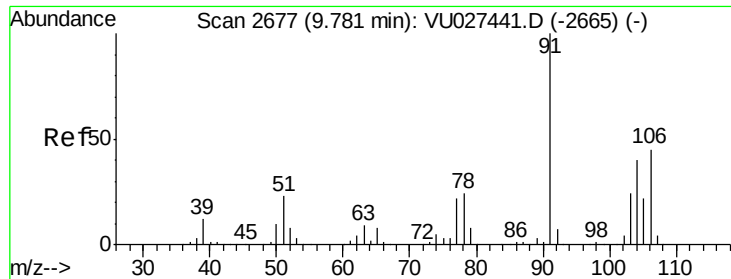
106 100

91 206.0 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): VU027441.D (-2537) (-)

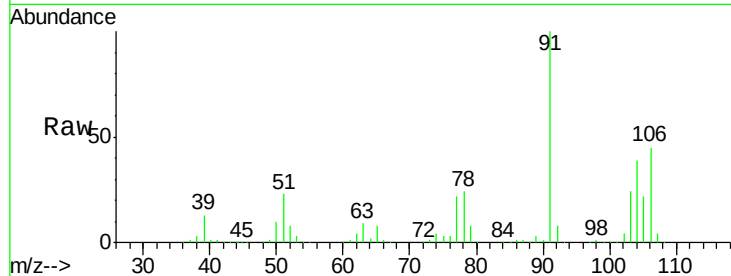




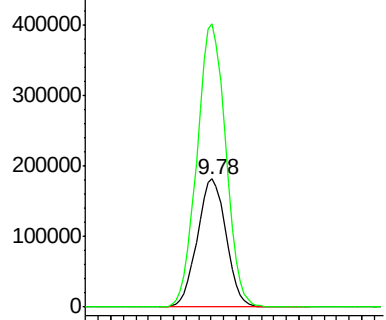
#54
o-xylene
Concen: 101.804 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD10054

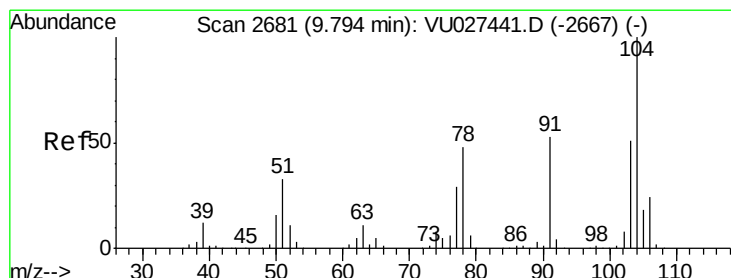
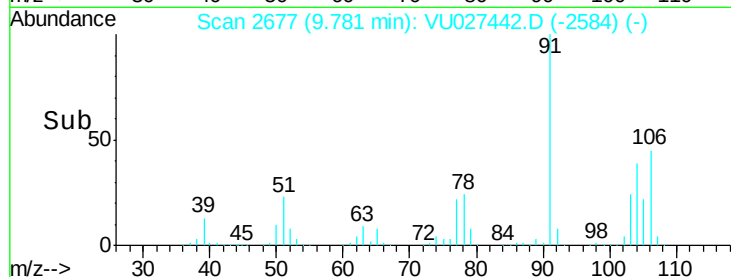
Tgt Ion:106 Resp: 289484
Ion Ratio Lower Upper
106 100
91 220.9 154.8 287.4



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

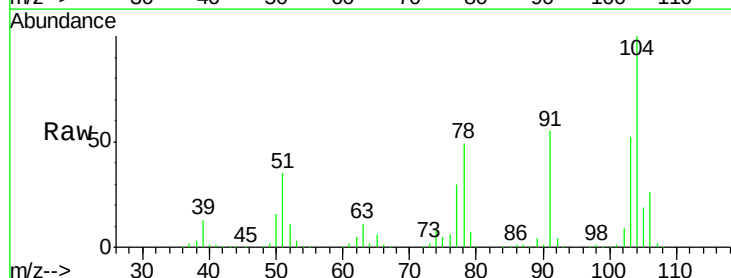


Time--> 9.70 9.75 9.80 9.85 9.90

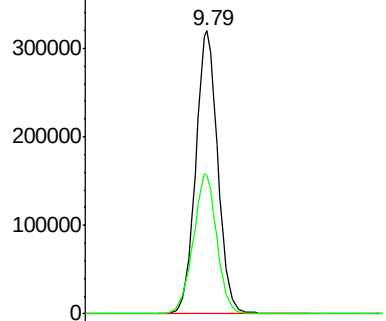


#55
Styrene
Concen: 103.167 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027442.D
Acq: 05 Oct 2018 09:48

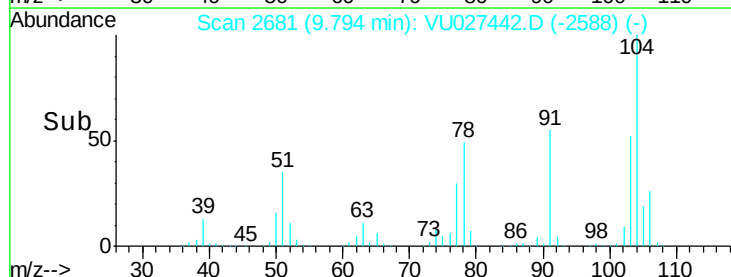
Tgt Ion:104 Resp: 502361
Ion Ratio Lower Upper
104 100
78 49.0 33.6 62.4

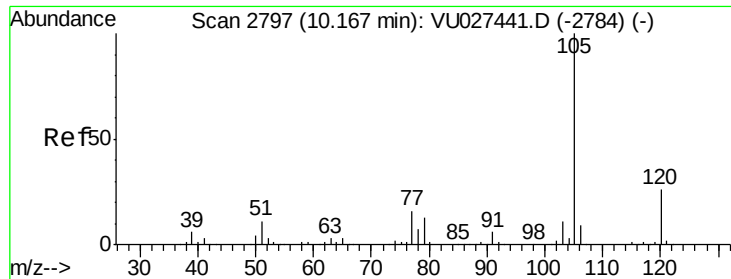


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time--> 9.70 9.80 9.90





#56

Isopropylbenzene

Concen: 97.365 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

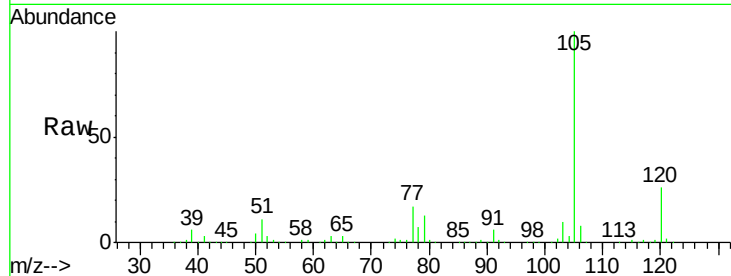
Tgt Ion: 105 Resp: 725560

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

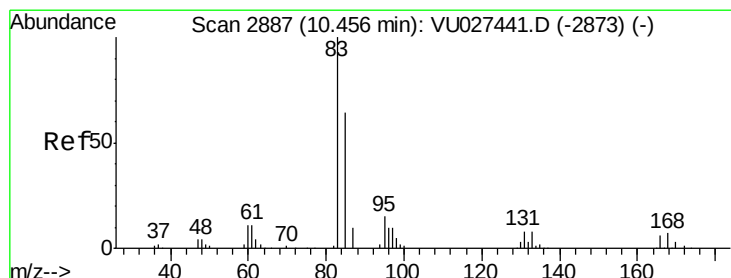
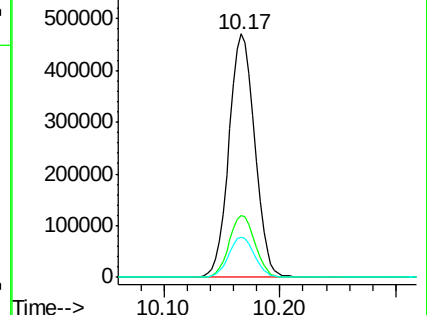
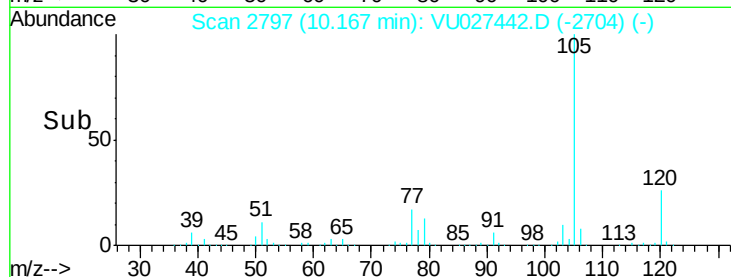
77 16.6 13.0 19.4



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: 94.006 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

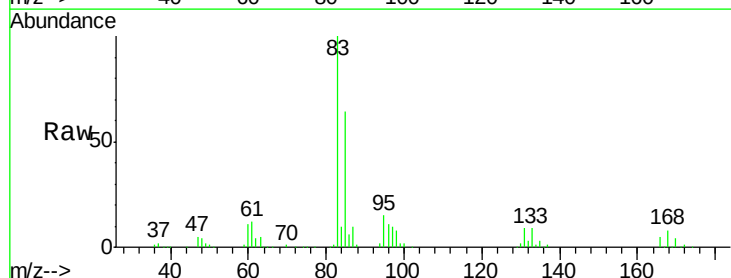
Tgt Ion: 83 Resp: 277288

Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0

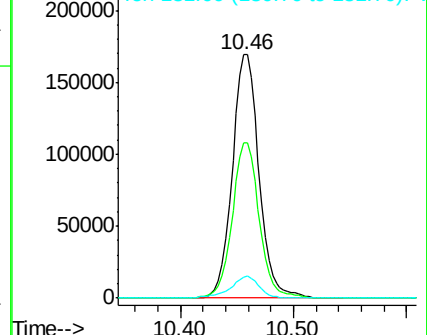
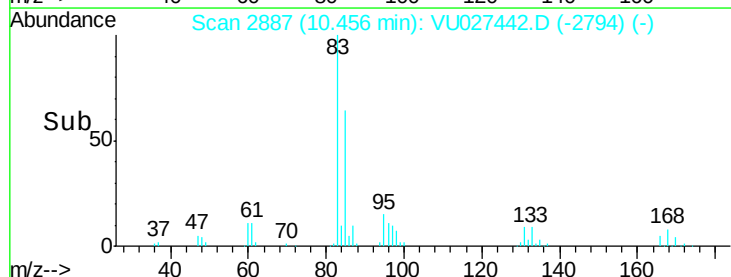
131 8.6 6.7 10.1

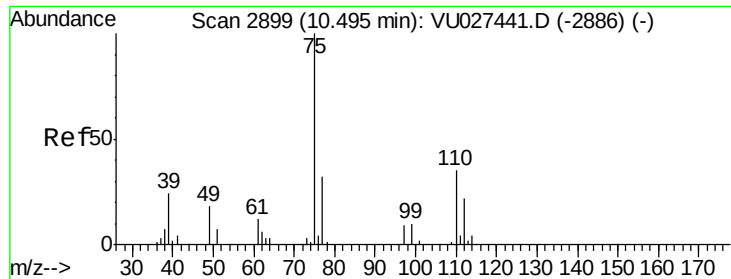


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 94.043 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

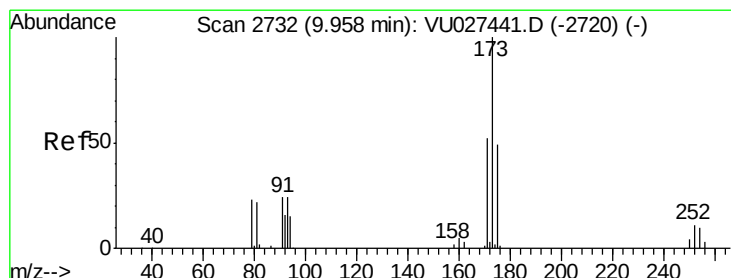
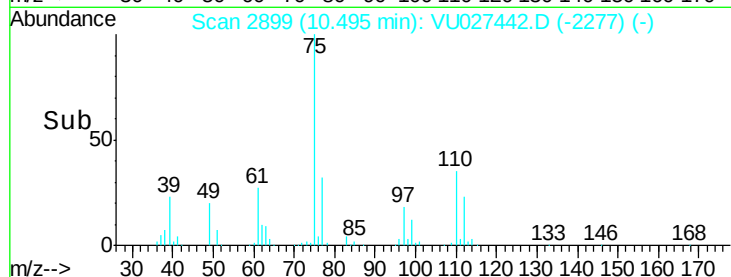
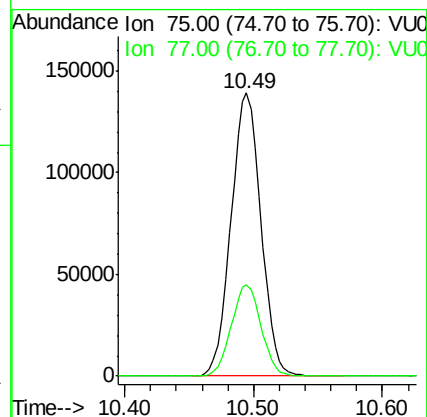
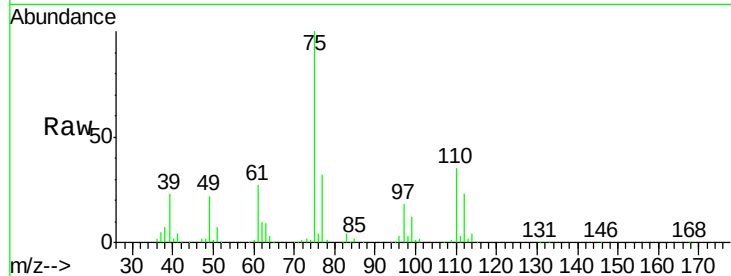
VSTD10054

Tgt Ion: 75 Resp: 223289

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 97.547 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

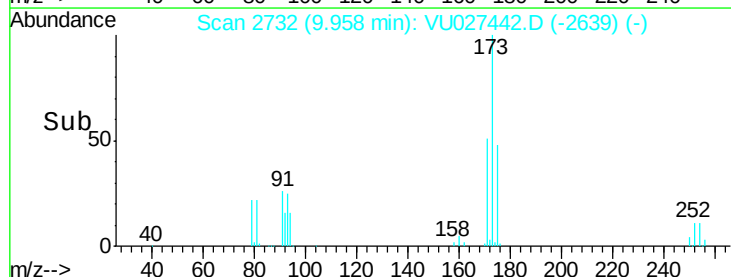
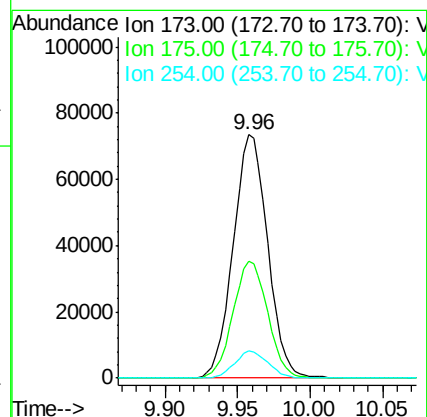
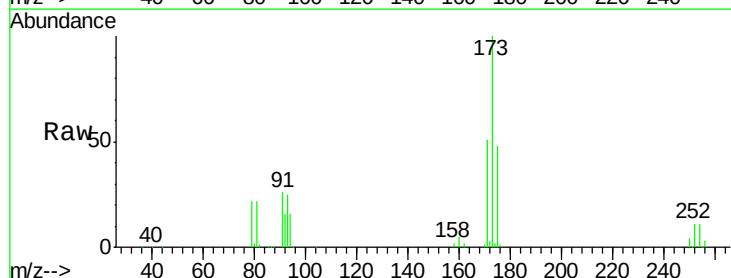
Tgt Ion: 173 Resp: 120778

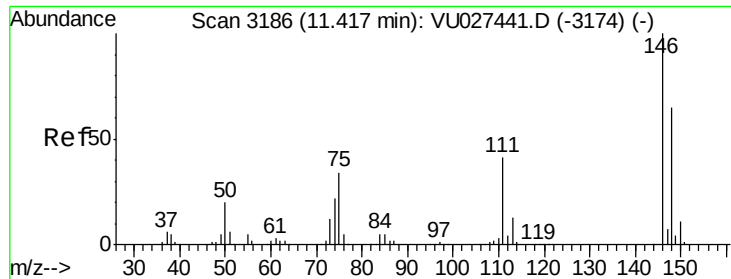
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 10.9 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 99.265 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

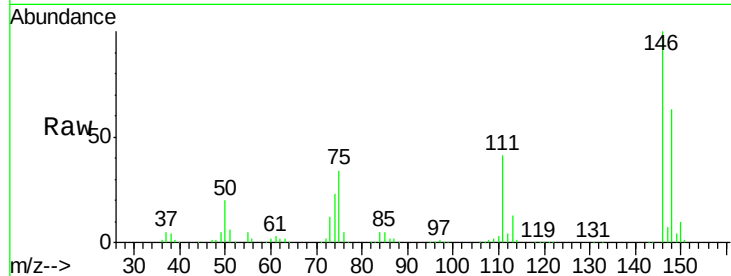
Tgt Ion:146 Resp: 336646

Ion Ratio Lower Upper

146 100

111 41.0 29.0 53.8

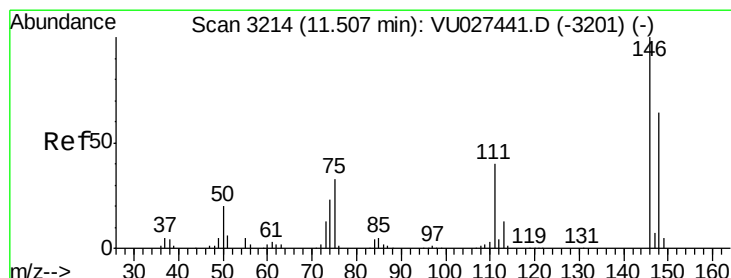
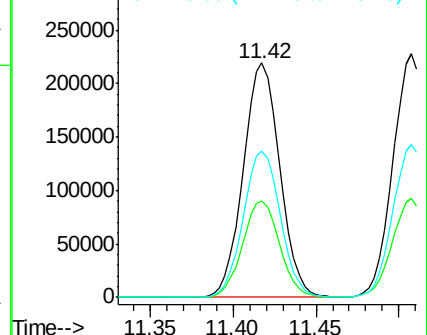
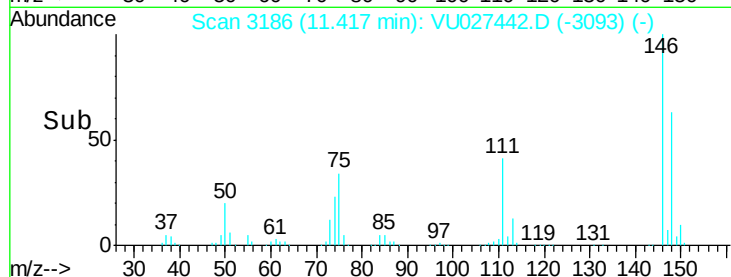
148 62.8 45.4 84.2



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: 97.341 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

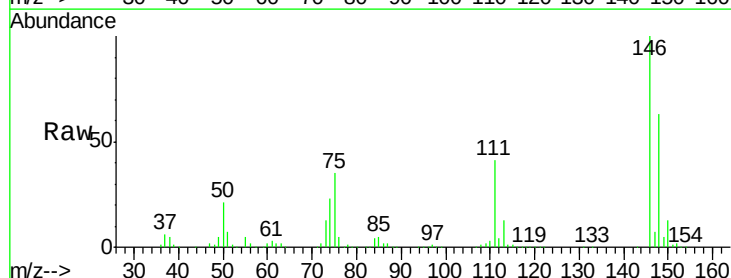
Tgt Ion:146 Resp: 344349

Ion Ratio Lower Upper

146 100

111 40.6 28.1 52.1

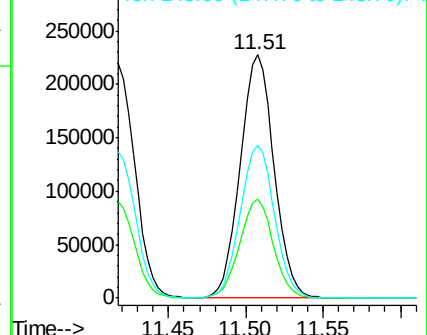
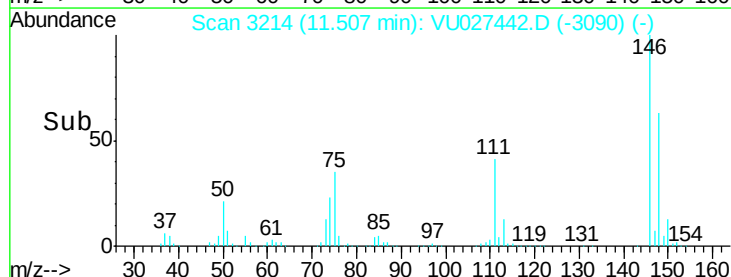
148 62.7 44.4 82.5

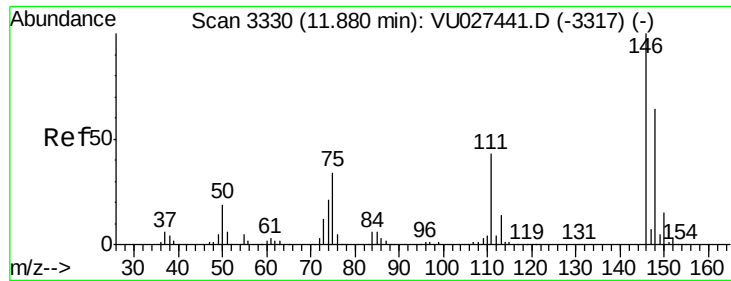


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

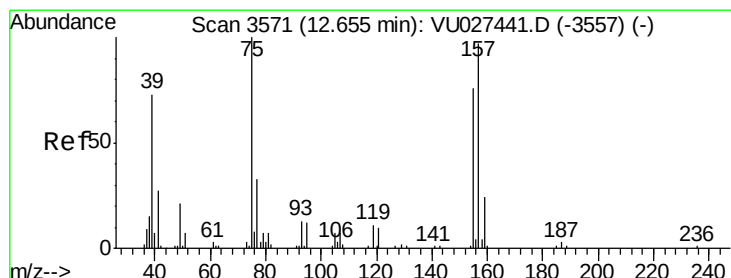
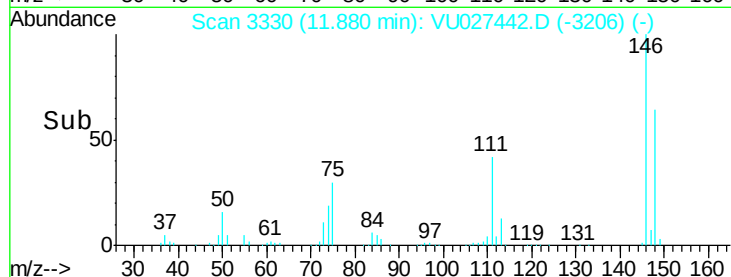
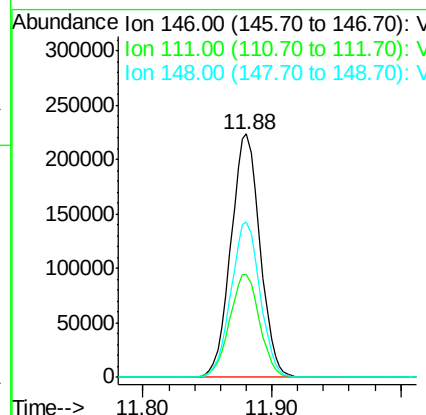
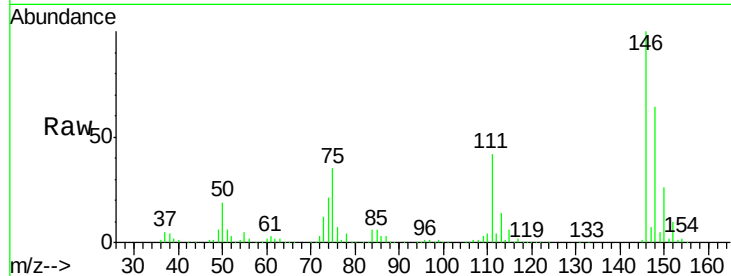




#65
 1,2-Dichlorobenzene
 Concen: 101.006 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

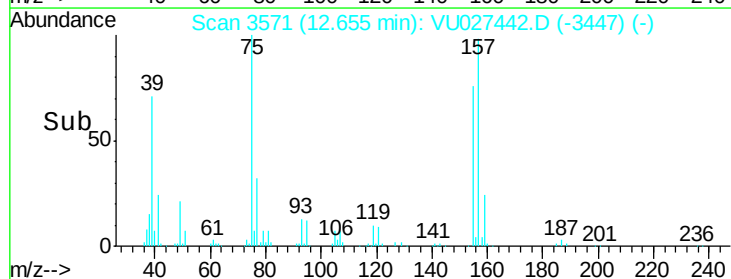
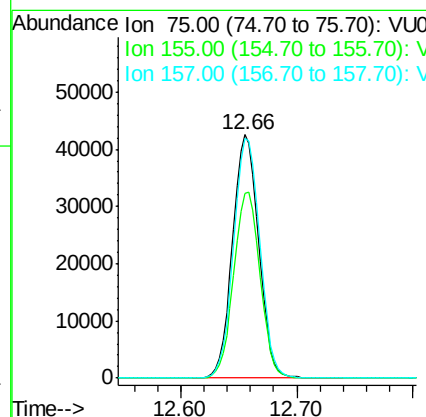
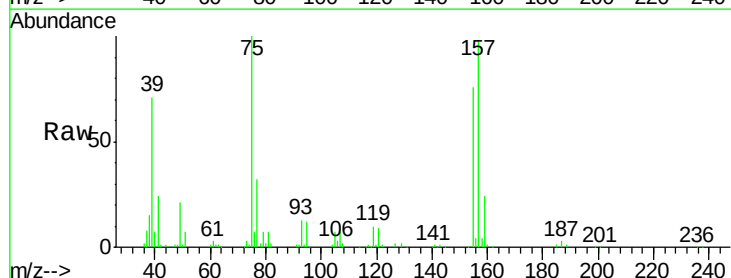
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

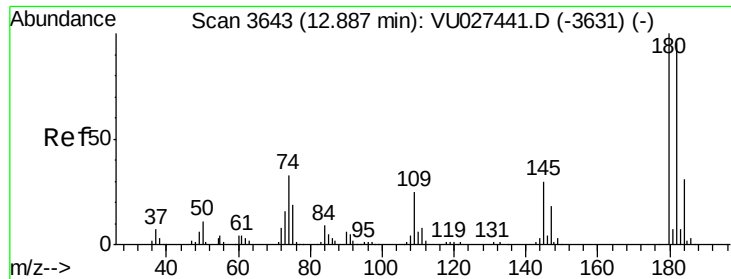
Tgt Ion: 146 Resp: 348712
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.9 52.3
 148 63.9 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 103.566 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Tgt Ion: 75 Resp: 66282
 Ion Ratio Lower Upper
 75 100
 155 75.6 61.0 91.6
 157 98.3 77.8 116.8

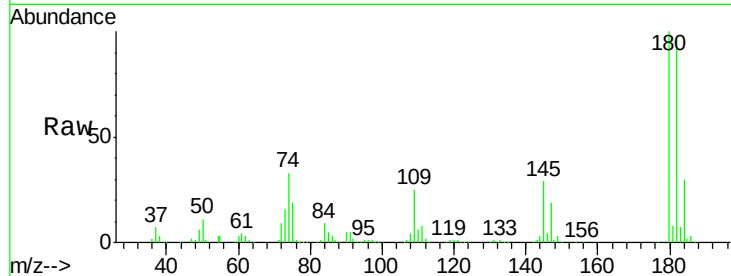




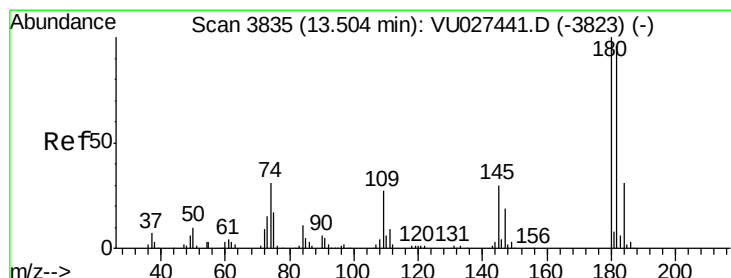
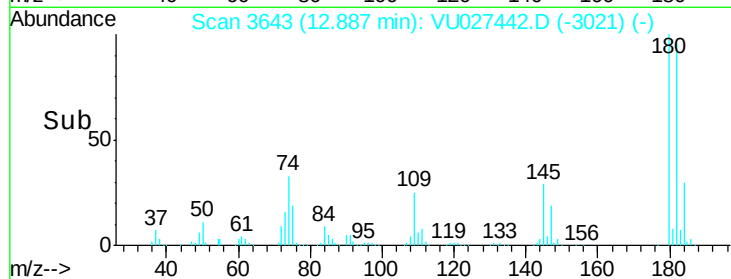
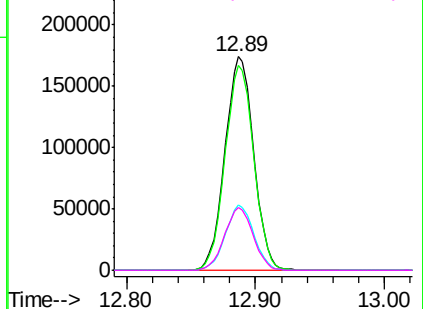
#67
 1,3,5-Trichlorobenzene
 Concen: 102.269 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

Tgt Ion:180 Resp: 267969
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 184 30.2 24.5 36.7
 145 29.1 23.8 35.8

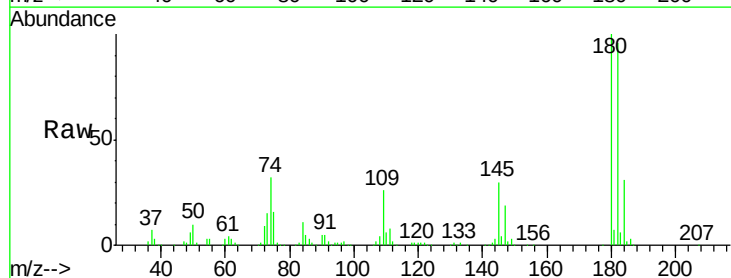


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

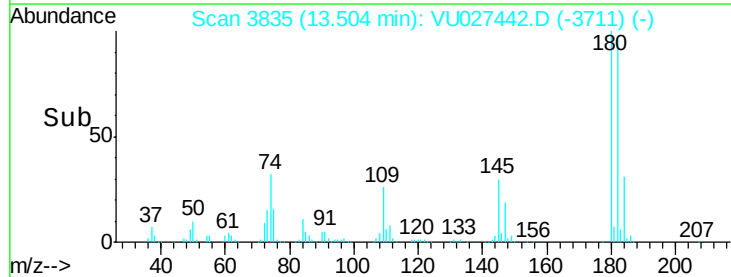
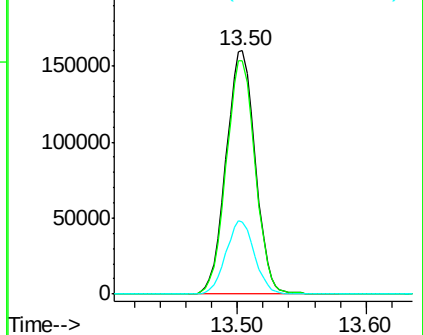


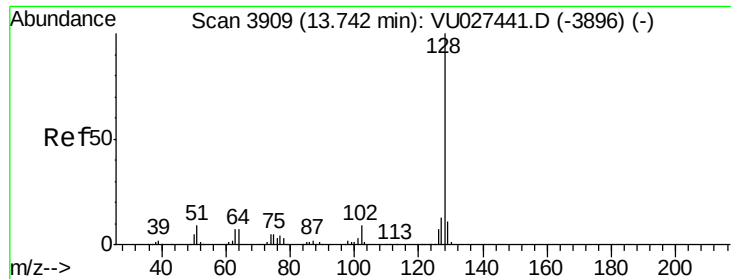
#68
 1,2,4-trichlorobenzene
 Concen: 104.262 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027442.D
 Acq: 05 Oct 2018 09:48

Tgt Ion:180 Resp: 251232
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.3 114.5
 145 29.4 24.2 36.2



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





#69

Naphthalene

Concen: 111.105 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD10054

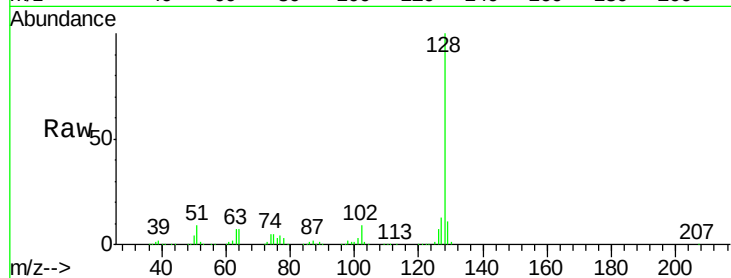
Tgt Ion:128 Resp: 825513

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

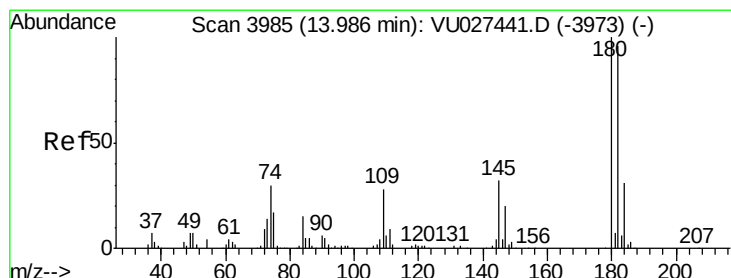
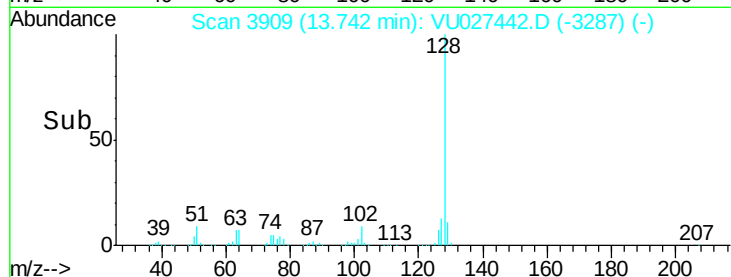
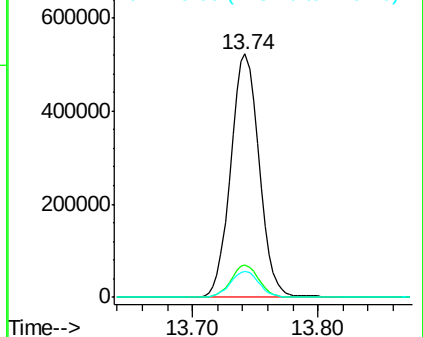
129 10.7 8.6 12.8



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: 102.476 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027442.D

Acq: 05 Oct 2018 09:48

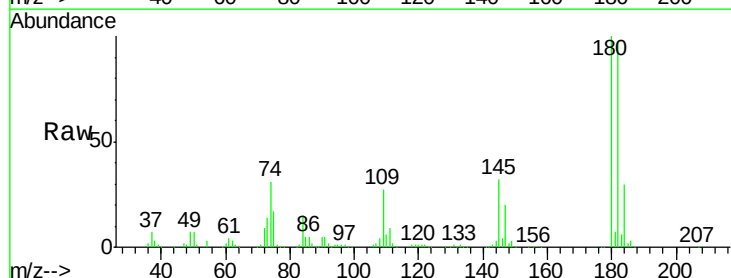
Tgt Ion:180 Resp: 251106

Ion Ratio Lower Upper

180 100

182 96.5 77.4 116.0

145 31.6 25.5 38.3



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

