

Data File : VU024587.D
Acq On : 15 Jun 2018 12:22
Operator : MD/SY
Sample : VSTD20044
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

Quant Time: Jun 16 00:23:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 16 00:21:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	339700	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	325857	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	183402	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	380803	195.84	ug/L	0.00
7) Chloroethane-d5	1.67	69	296927	198.50	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.27	63	753290	193.90	ug/L	0.00
21) 2-Butanone-d5	4.18	46	706183	430.28	ug/L	0.00
24) Chloroform-d	4.65	84	785895	200.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	496735	202.18	ug/L	0.00
32) Benzene-d6	5.35	84	1570741	197.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	522732	198.59	ug/L	0.00
41) Toluene-d8	7.57	98	1589826	198.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	281311	209.45	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	594263	438.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	811470	210.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	715224	202.10	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	502722	182.957	ug/L	100
3) Chloromethane	1.33	50	452302	183.056	ug/L	100
5) Vinyl chloride	1.40	62	489356	184.883	ug/L	99
6) Bromomethane	1.61	94	271127	216.983	ug/L	97
8) Chloroethane	1.69	64	287107	184.731	ug/L	100
9) Trichlorofluoromethane	1.88	101	710861	182.940	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	395977	179.656	ug/L	99
12) 1,1-Dichloroethene	2.28	96	372276	184.377	ug/L	97
13) Acetone	2.32	43	566640	323.427	ug/L	99
14) Carbon disulfide	2.48	76	1210227	182.918	ug/L	100
15) Methyl Acetate	2.62	43	512206	190.763	ug/L	99
16) Methylene chloride	2.70	84	445717	179.510	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	410398	180.131	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	1369225	184.830	ug/L	99
19) 1,1-Dichloroethane	3.45	63	779057	185.759	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	483851	182.174	ug/L	97
22) 2-Butanone	4.26	43	828573	371.133	ug/L	98
23) Bromochloromethane	4.55	128	246167	184.769	ug/L	99
25) Chloroform	4.68	83	800786	185.111	ug/L	97
27) 1,2-Dichloroethane	5.41	62	636017	190.753	ug/L	99
29) Cyclohexane	5.00	56	733201	181.514	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	712677	180.546	ug/L	99
31) Carbon tetrachloride	5.14	117	664705	183.980	ug/L	99
33) Benzene	5.39	78	1753098	183.083	ug/L	100
34) Trichloroethene	6.19	95	486676	183.902	ug/L	99
35) Methylcyclohexane	6.42	83	764261	179.646	ug/L	99
37) 1,2-Dichloropropane	6.44	63	492252	184.940	ug/L	100
38) Bromodichloromethane	6.76	83	651574	185.718	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	799234	191.561	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1535973	388.646	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1982721	186.333	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	755143	197.908	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	463617	185.113	ug/L	99
46) Tetrachloroethene	8.23	164	399990	179.553	ug/L	97
48) 2-Hexanone	8.36	43	1273107	396.438	ug/L	100
49) Dibromochloromethane	8.48	129	593508	193.408	ug/L	98
50) 1,2-Dibromoethane	8.59	107	520096	189.221	ug/L	100
51) Chlorobenzene	9.12	112	1328587	186.318	ug/L	98
52) Ethylbenzene	9.25	91	2278173	186.743	ug/L	100
53) m,p-Xylene	9.38	106	884626	188.436	ug/L	98
54) o-xylene	9.78	106	868150	187.448	ug/L	100
55) Styrene	9.80	104	1539943	195.543	ug/L	98
56) Isopropylbenzene	10.17	105	2311983	189.200	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	833856	193.229	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	661895	195.620	ug/L	99
61) Bromoform	9.96	173	512322	192.605	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	1135713	184.302	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	1143696	184.006	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1152672	186.913	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	219206	203.111	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	926648	188.079	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	842230	205.538	ug/L	99
69) Naphthalene	13.74	128	2415567	213.432	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	844362	203.211	ug/L	99

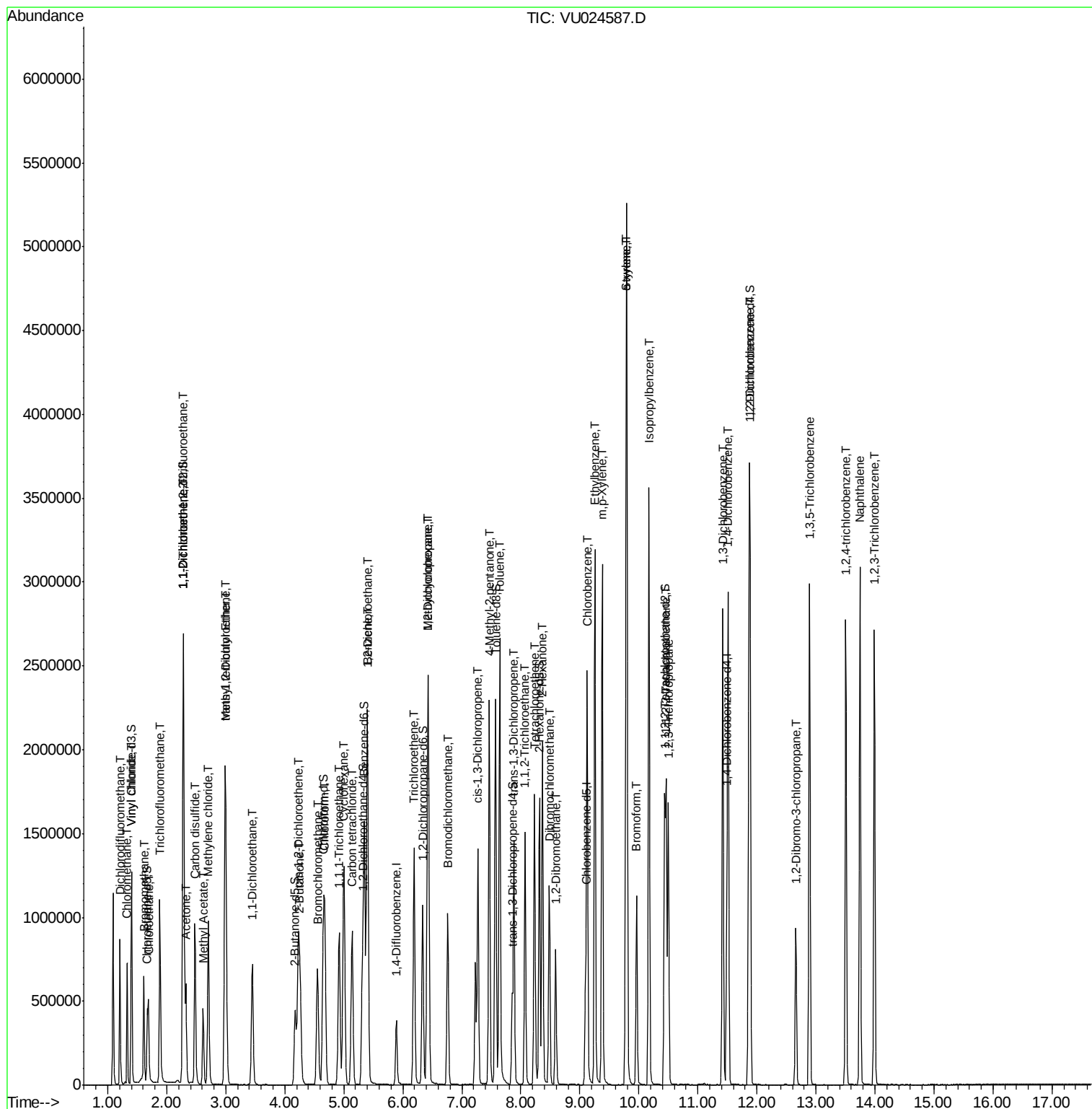
(#) = qualifier out of range (m) = manual integration (+) = signals summed

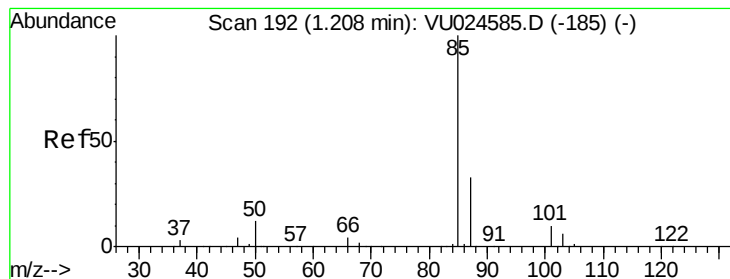
Data File : VU024587.D

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#2

Dichlorodifluoromethane

Concen: 182.957 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

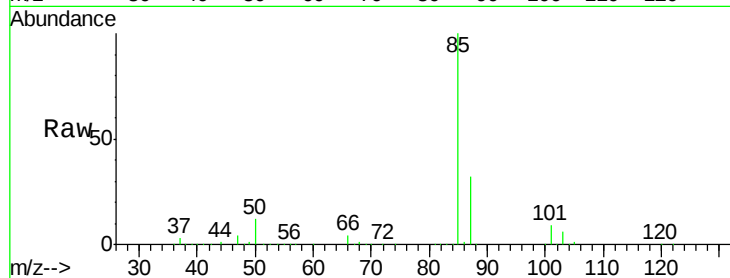
VSTD20044

Tgt Ion: 85 Resp: 502722

Ion Ratio Lower Upper

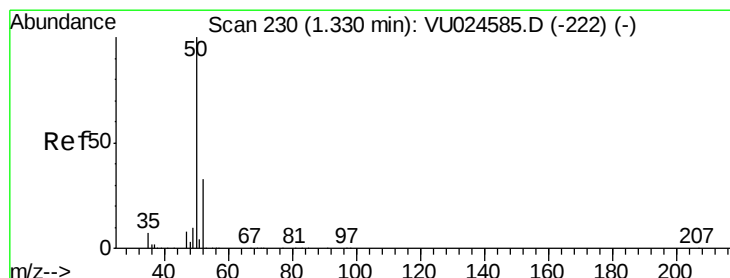
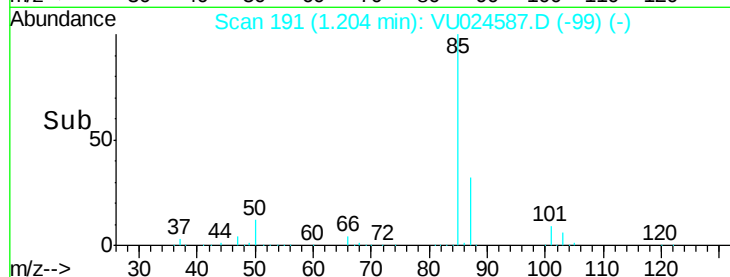
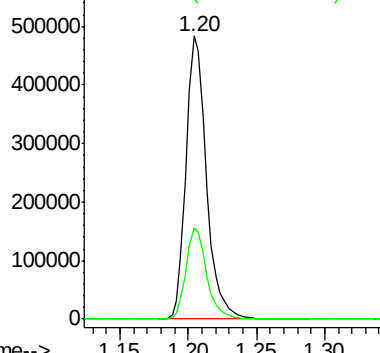
85 100

87 32.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 183.056 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024587.D

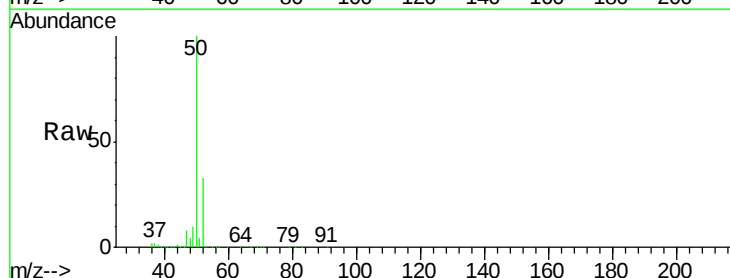
Acq: 15 Jun 2018 12:22

Tgt Ion: 50 Resp: 452302

Ion Ratio Lower Upper

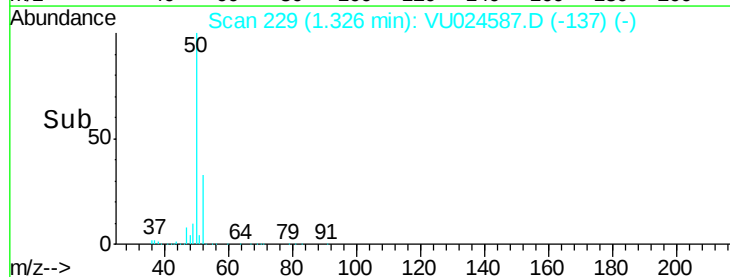
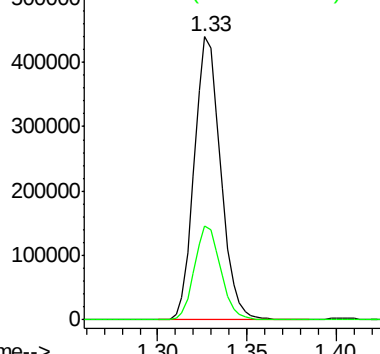
50 100

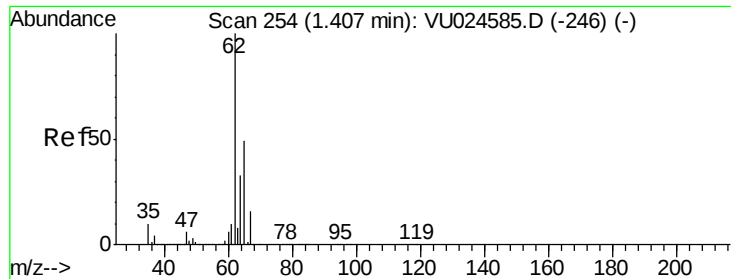
52 33.3 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 184.883 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

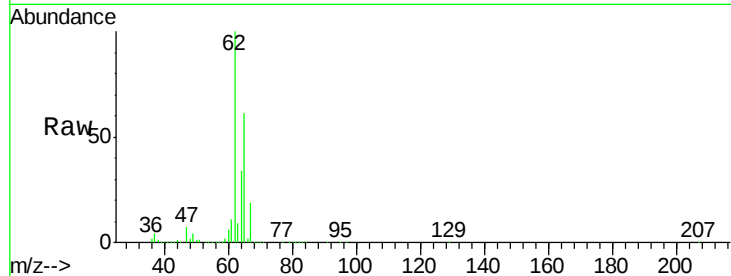
VSTD20044

Tgt Ion: 62 Resp: 489356

Ion Ratio Lower Upper

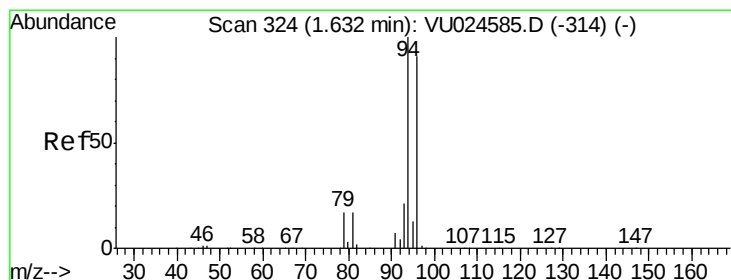
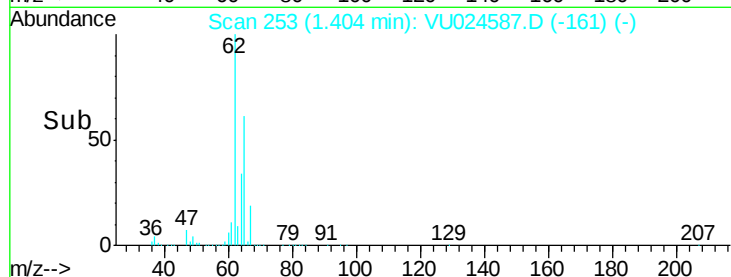
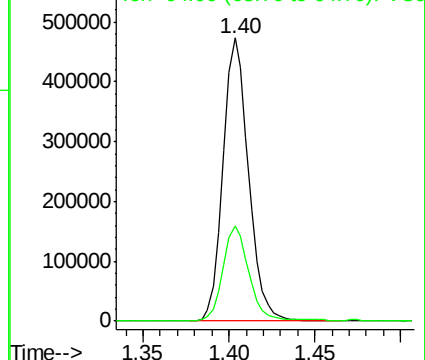
62 100

64 33.6 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 216.983 ug/L

RT: 1.61 min Scan# 318

Delta R.T. -0.02 min

Lab File: VU024587.D

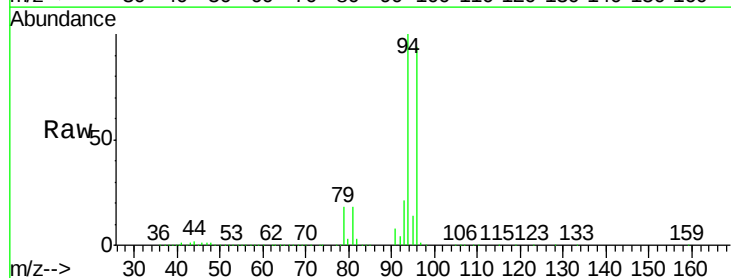
Acq: 15 Jun 2018 12:22

Tgt Ion: 94 Resp: 271127

Ion Ratio Lower Upper

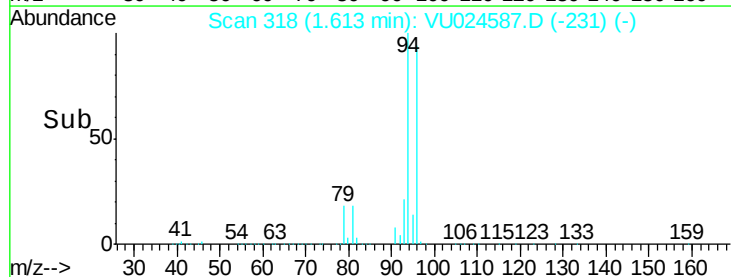
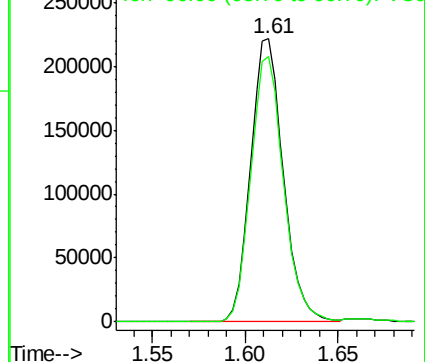
94 100

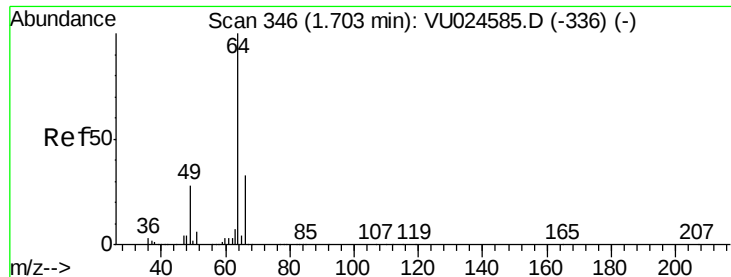
96 94.0 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 184.731 ug/L

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

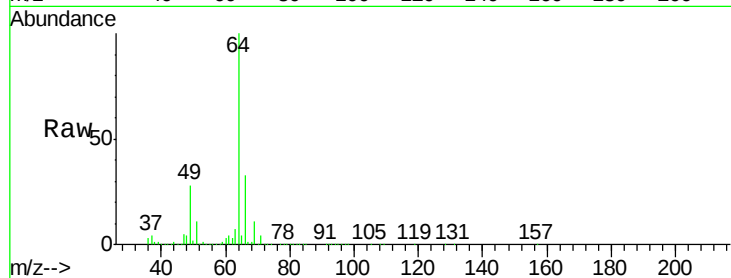
VSTD20044

Tgt Ion: 64 Resp: 287107

Ion Ratio Lower Upper

64 100

66 32.6 22.7 42.3



Abundance Ion 64.00 (63.70 to 64.70): VU024587.D (-222) (-)

Ion 66.00 (65.70 to 66.70): VU024587.D (-222) (-)

1.69

200000

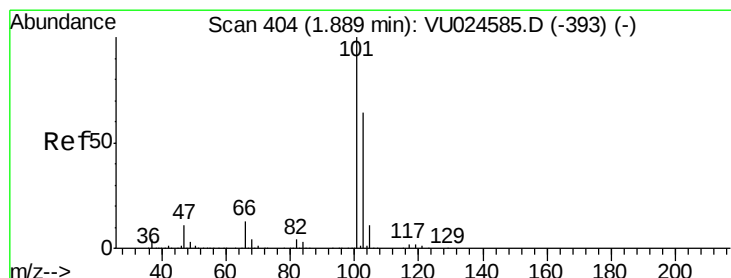
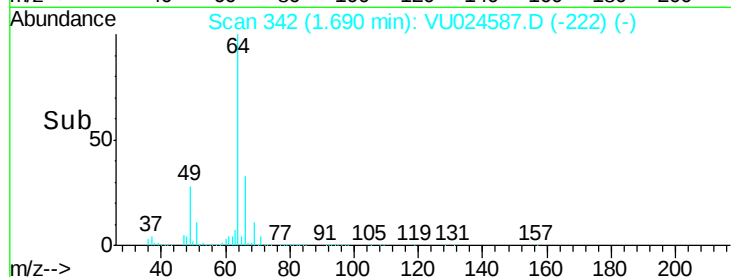
150000

100000

50000

0

Time--> 1.60 1.65 1.70 1.75 1.80



#9

Trichlorofluoromethane

Concen: 182.940 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.01 min

Lab File: VU024587.D

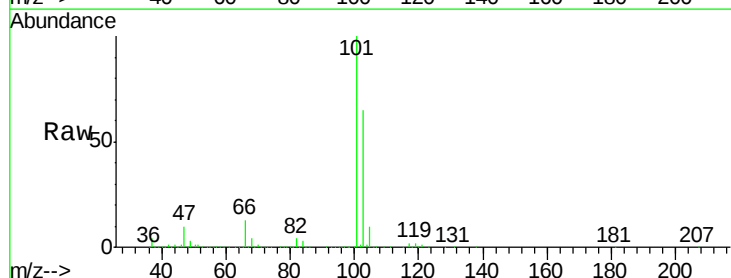
Acq: 15 Jun 2018 12:22

Tgt Ion: 101 Resp: 710861

Ion Ratio Lower Upper

101 100

103 65.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU024587.D (-280) (-)

Ion 103.00 (102.70 to 103.70): VU024587.D (-280) (-)

1.88

500000

400000

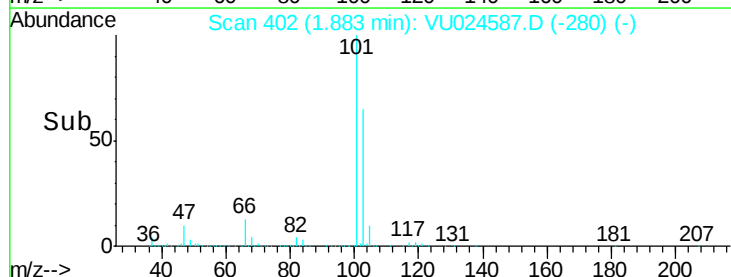
300000

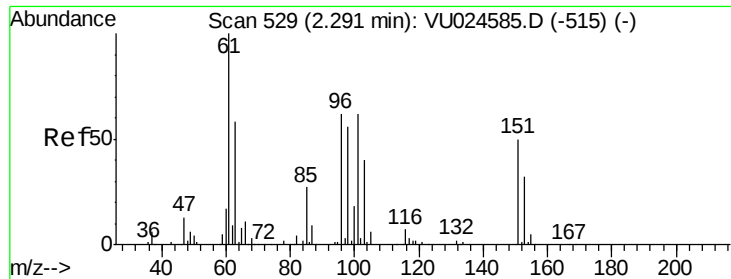
200000

100000

0

Time--> 1.80 1.90 2.00





#10

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

Concen: 179.656 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.01 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

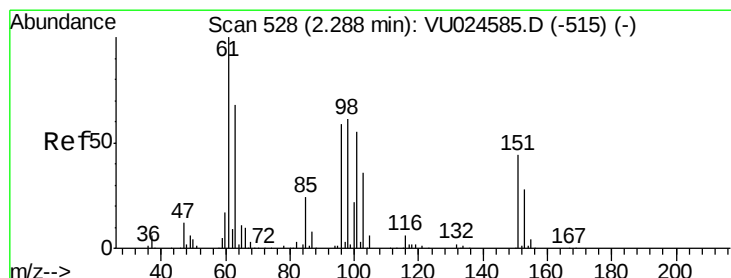
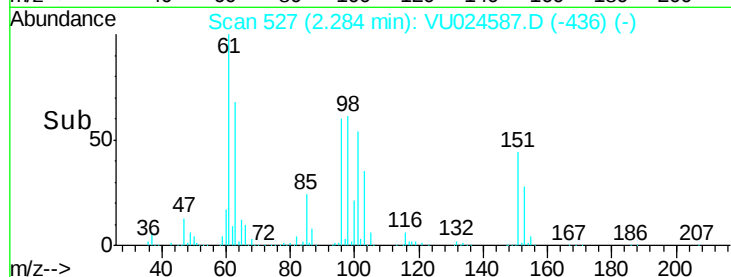
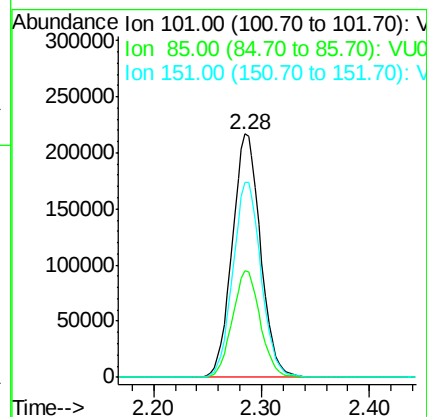
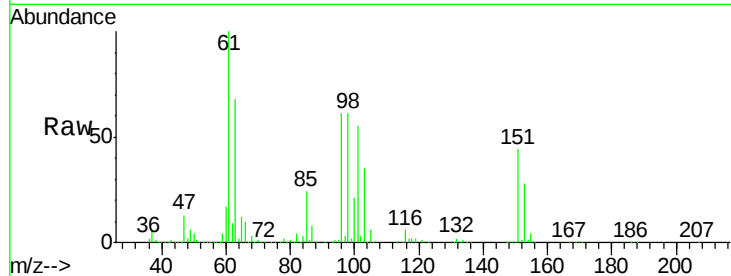
Tgt Ion: 101 Resp: 395977

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

151 79.9 64.6 97.0



#12

1,1-Dichloroethene

Concen: 184.377 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

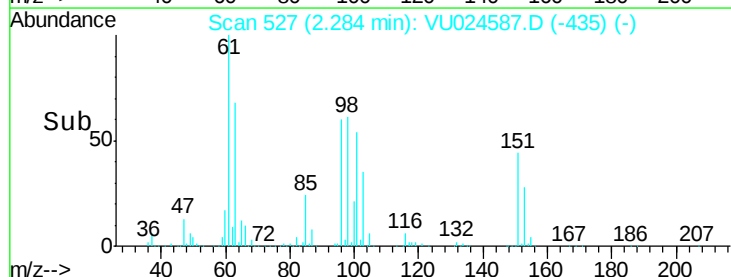
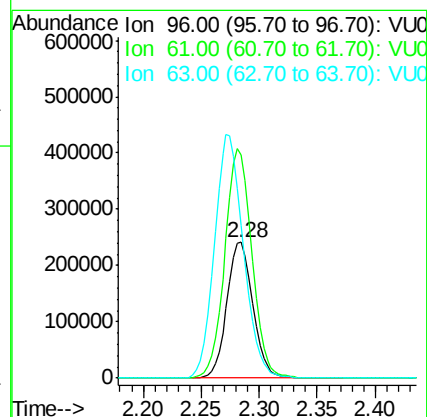
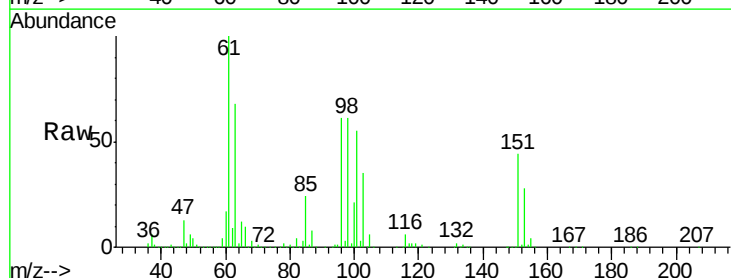
Tgt Ion: 96 Resp: 372276

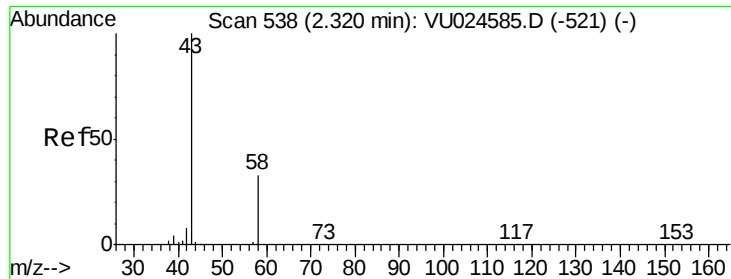
Ion Ratio Lower Upper

96 100

61 165.1 117.9 218.9

63 112.4 81.4 151.2





#13

Acetone

Concen: 323.427 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

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ClientSampleId :

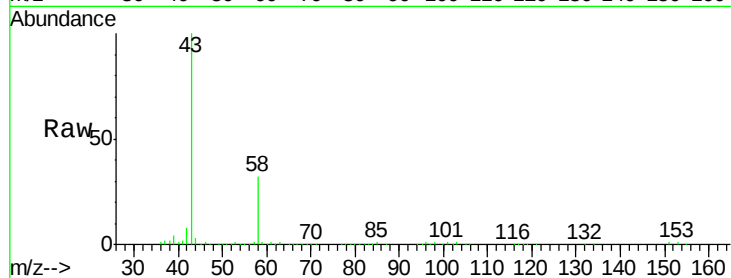
VSTD20044

Tgt Ion: 43 Resp: 566640

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

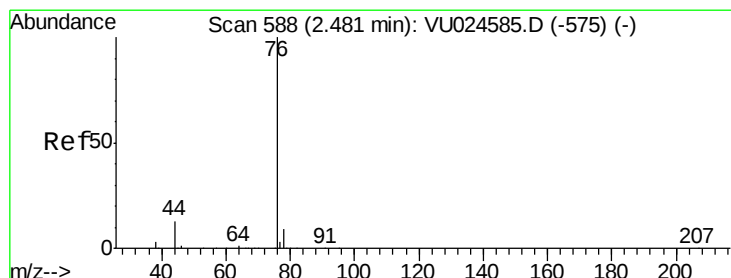
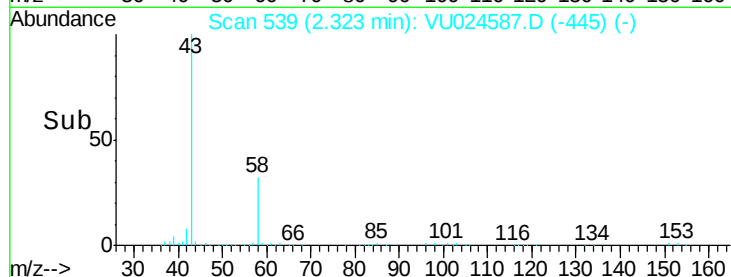
300000

200000

100000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 182.918 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024587.D

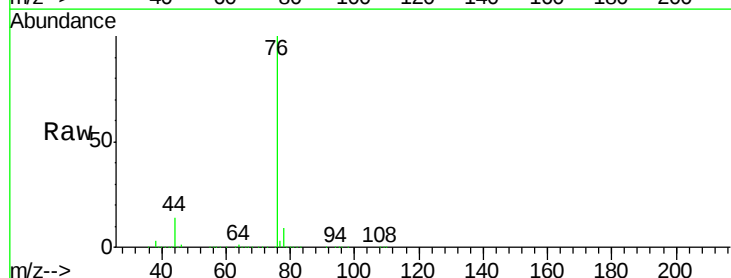
Acq: 15 Jun 2018 12:22

Tgt Ion: 76 Resp: 1210227

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

800000

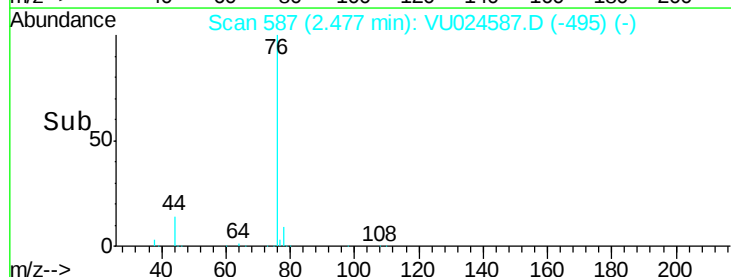
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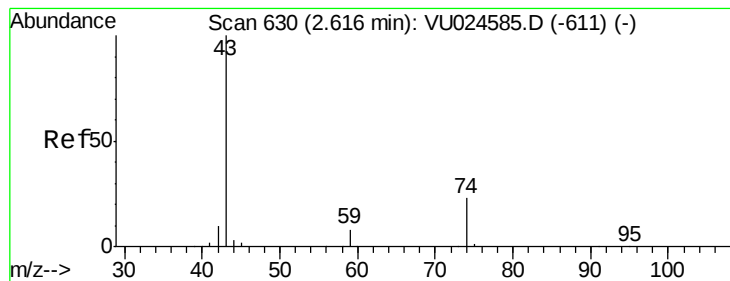
400000

200000

0

Time--> 2.40 2.50 2.60





#15

Methyl Acetate

Concen: 190.763 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

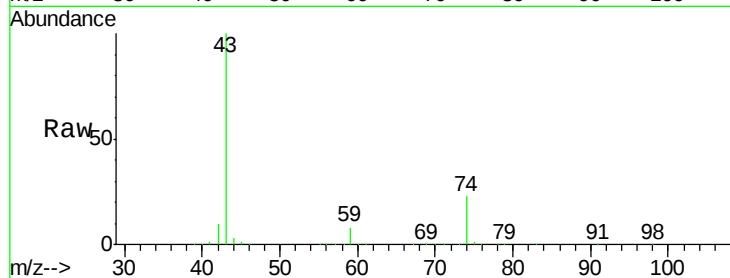
VSTD20044

Tgt Ion: 43 Resp: 512206

Ion Ratio Lower Upper

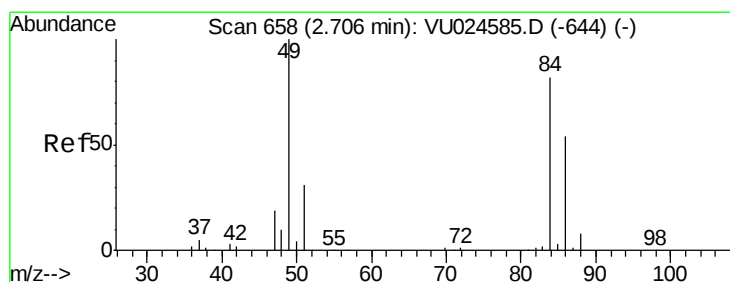
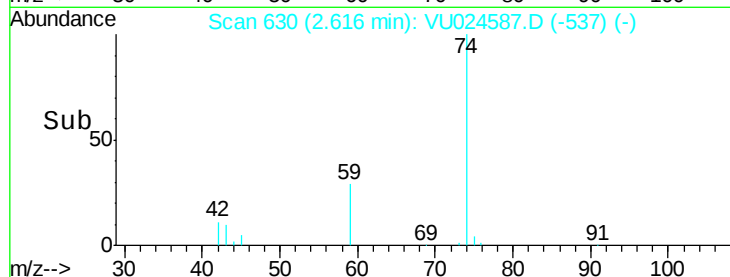
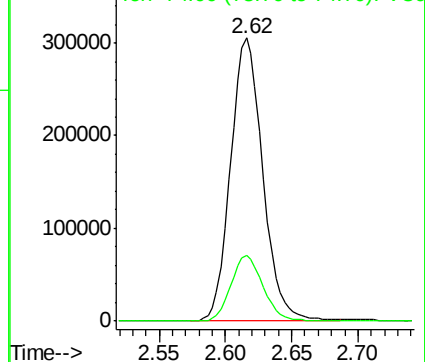
43 100

74 23.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 179.510 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

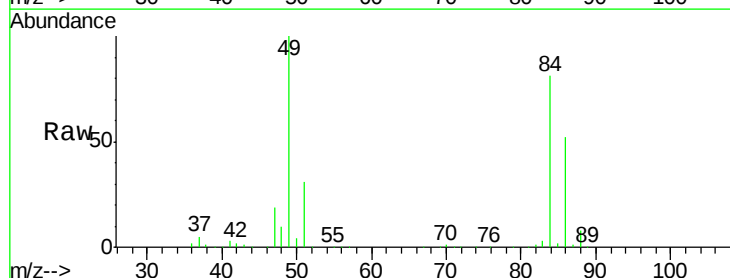
Tgt Ion: 84 Resp: 445717

Ion Ratio Lower Upper

84 100

86 63.8 46.1 85.7

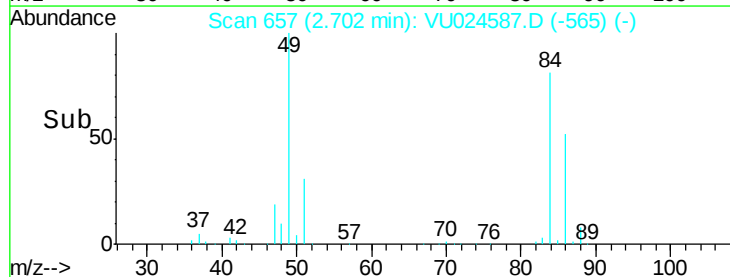
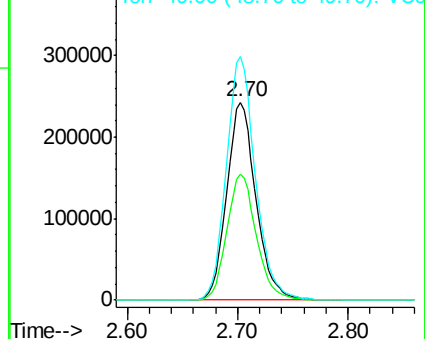
49 123.3 85.5 158.9

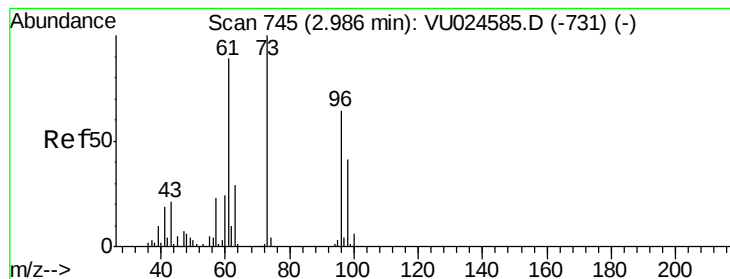


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 180.131 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

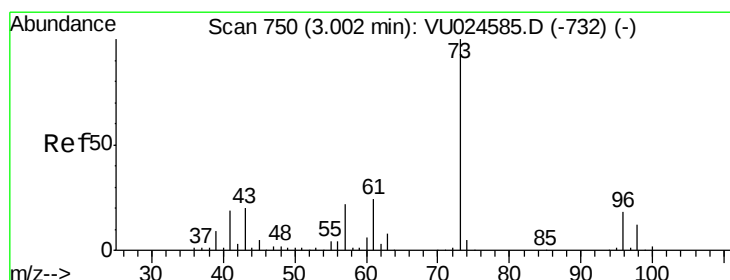
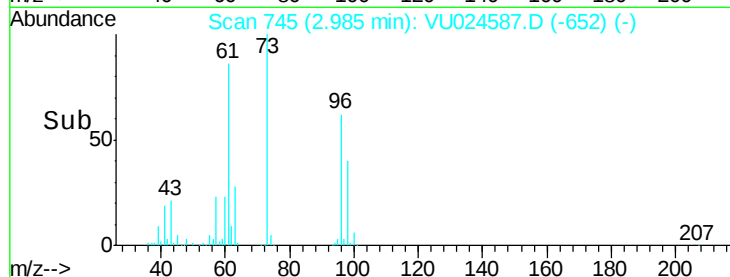
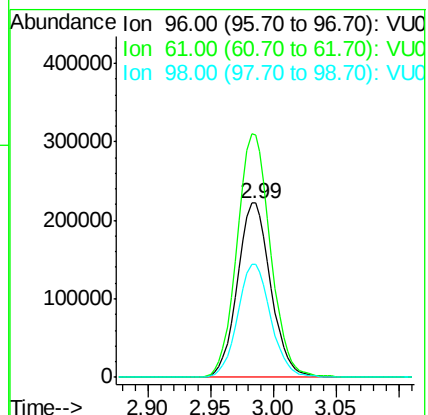
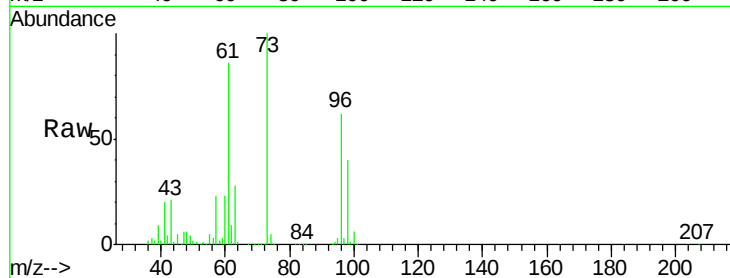
Tgt Ion: 96 Resp: 410398

Ion Ratio Lower Upper

96 100

61 139.4 97.4 180.8

98 64.8 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 184.830 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

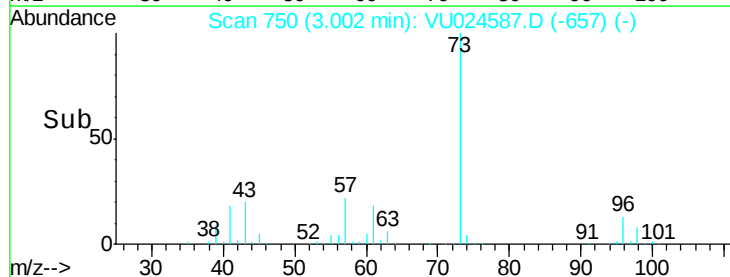
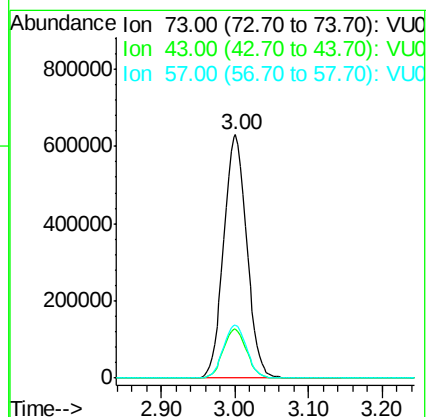
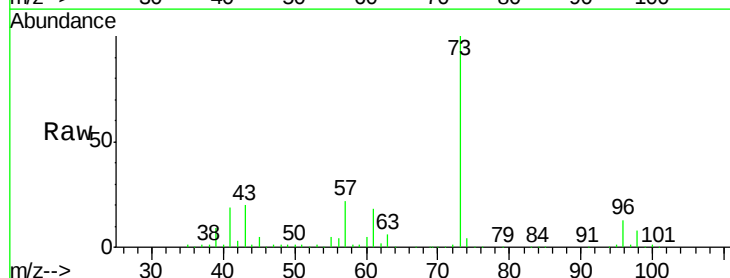
Tgt Ion: 73 Resp: 1369225

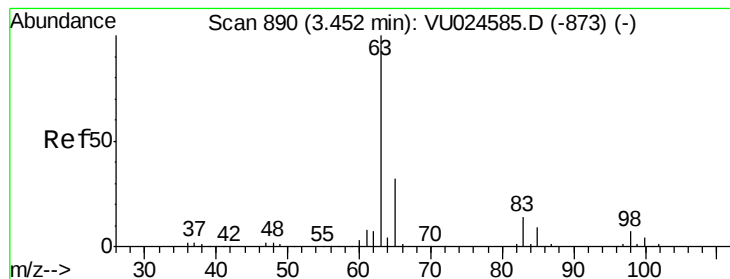
Ion Ratio Lower Upper

73 100

43 20.2 16.4 24.6

57 22.1 17.9 26.9





#19

1,1-Dichloroethane

Concen: 185.759 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

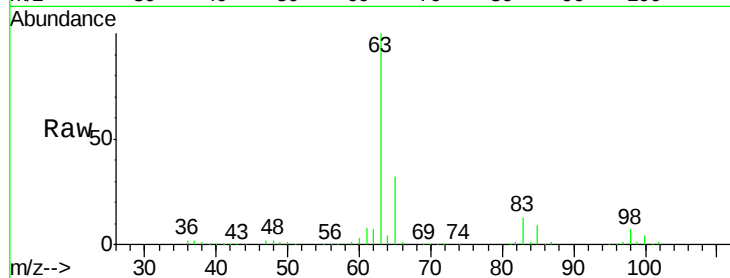
Tgt Ion: 63 Resp: 779057

Ion Ratio Lower Upper

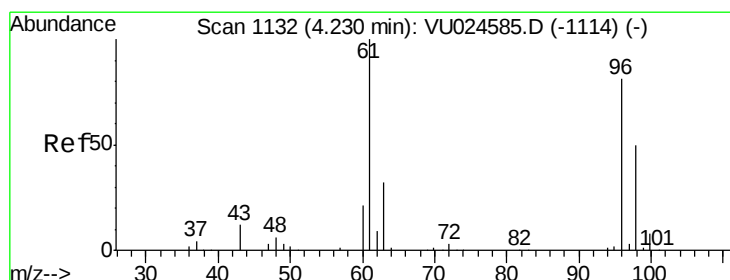
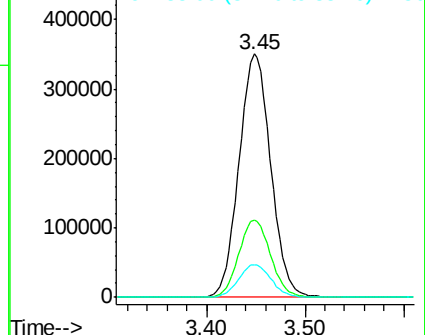
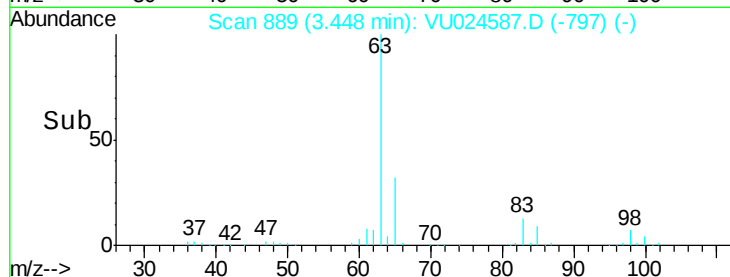
63 100

65 31.9 22.2 41.2

83 13.5 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VU024587.D (-797) (-)



#20

cis-1,2-Dichloroethene

Concen: 182.174 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

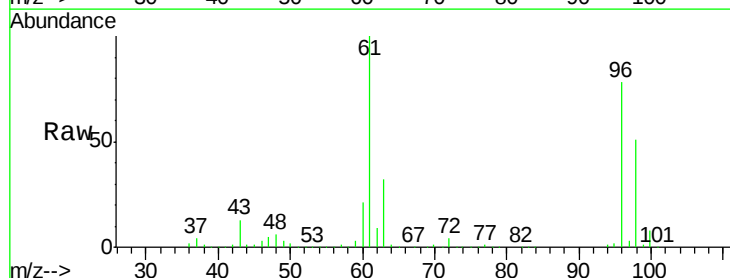
Tgt Ion: 96 Resp: 483851

Ion Ratio Lower Upper

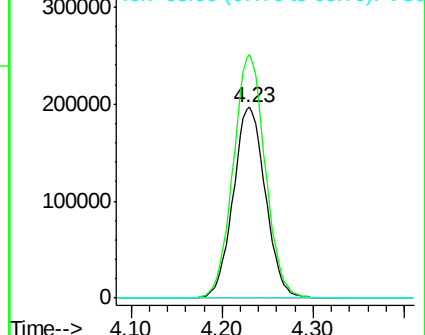
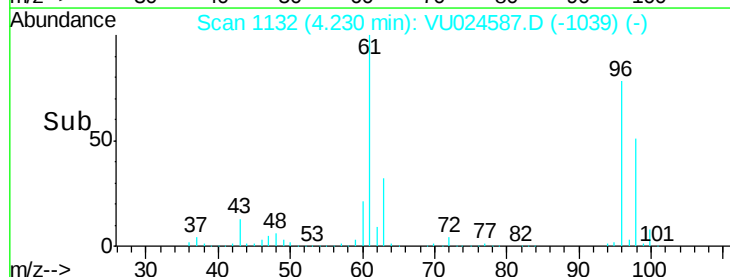
96 100

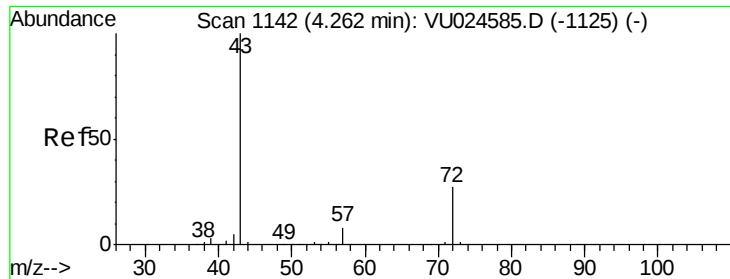
61 127.7 87.1 161.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU024587.D (-1039) (-)





#22

2-Butanone

Concen: 371.133 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

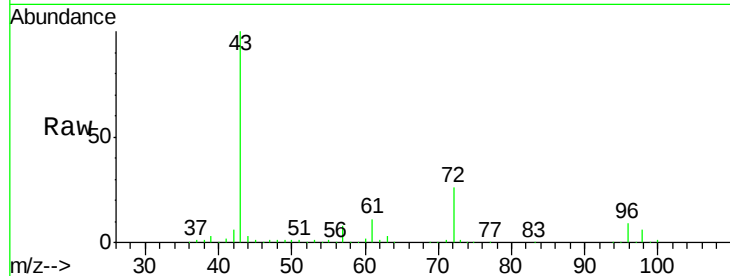
VSTD20044

Tgt Ion: 43 Resp: 828573

Ion Ratio Lower Upper

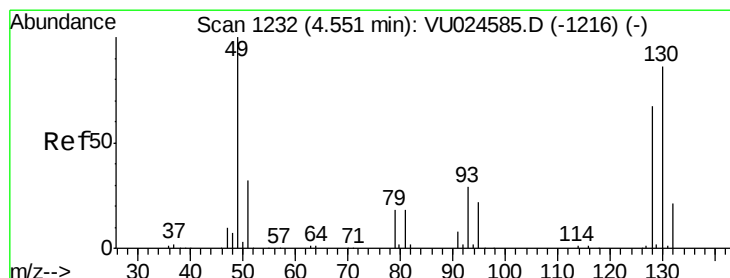
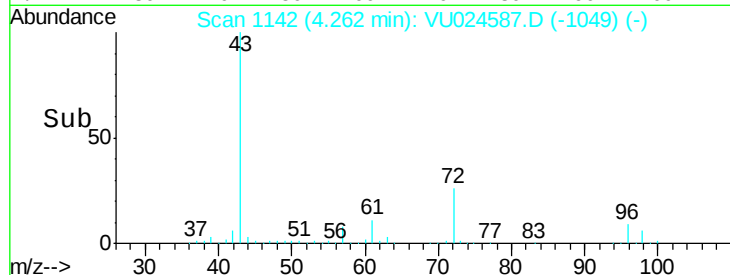
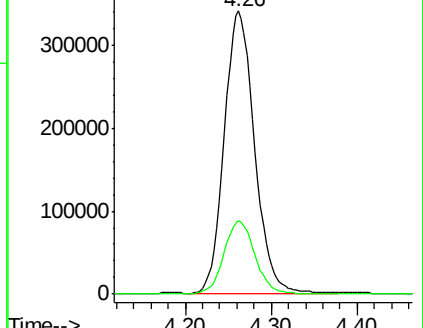
43 100

72 27.0 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU024587.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU024587.D (-1049) (-)



#23

Bromochloromethane

Concen: 184.769 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Tgt Ion: 128 Resp: 246167

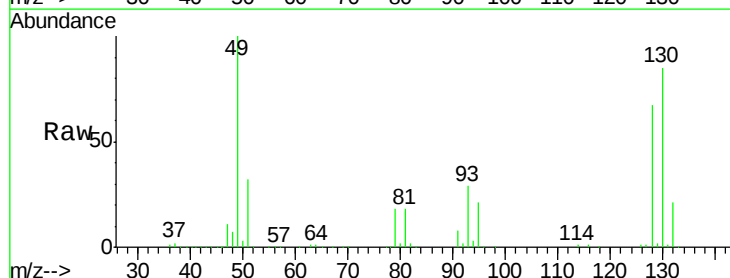
Ion Ratio Lower Upper

128 100

49 149.3 104.7 194.5

130 127.6 90.2 167.6

51 48.0 38.4 57.6

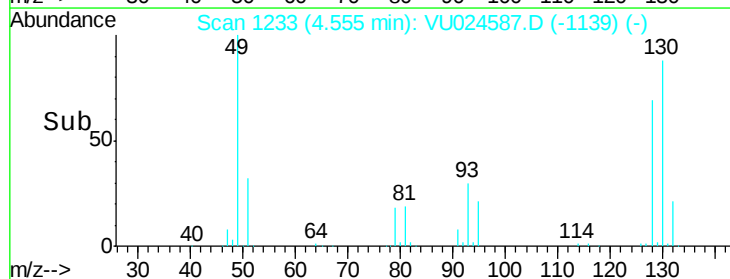
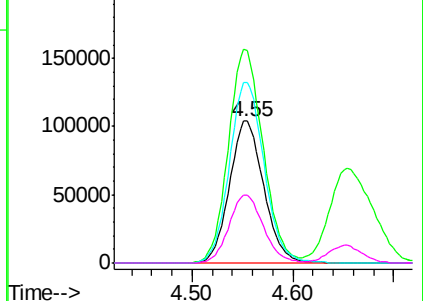


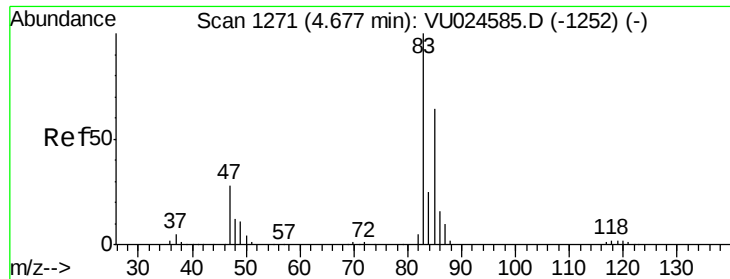
Abundance Ion 128.00 (127.70 to 128.70): VU024587.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU024587.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU024587.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU024587.D (-1139) (-)

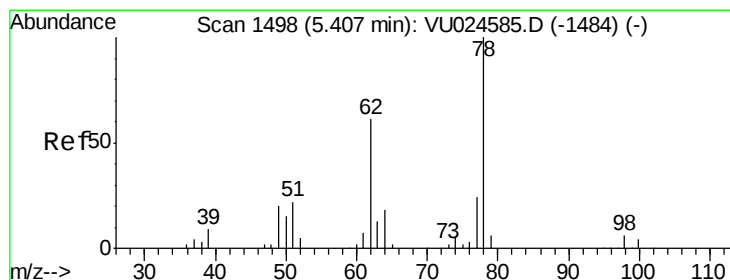
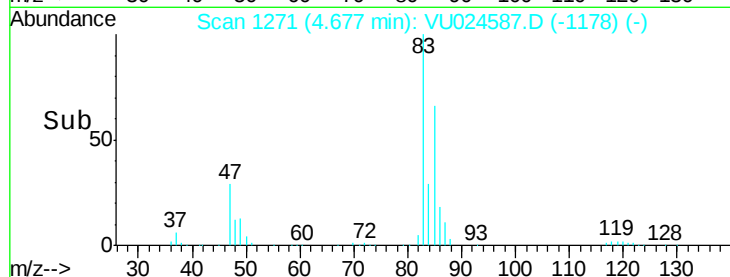
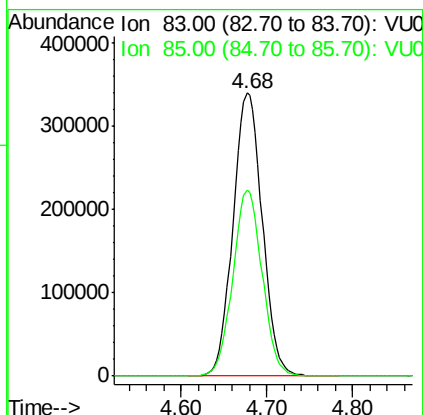
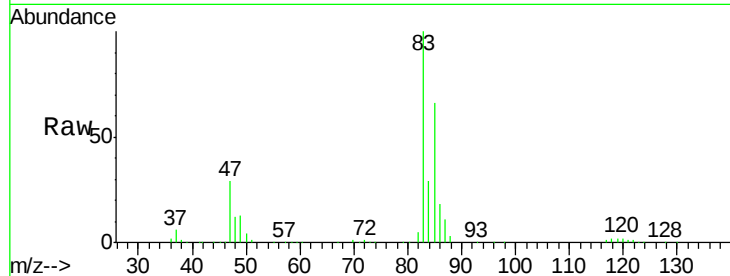




#25
Chloroform
Concen: 185.111 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

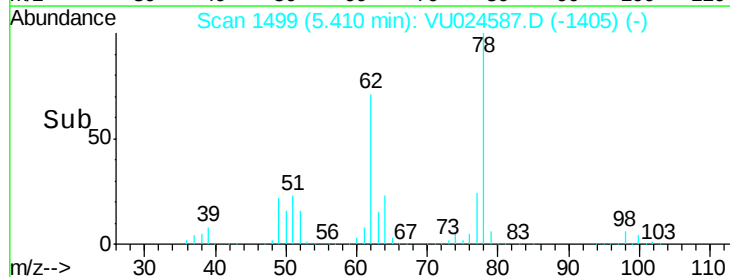
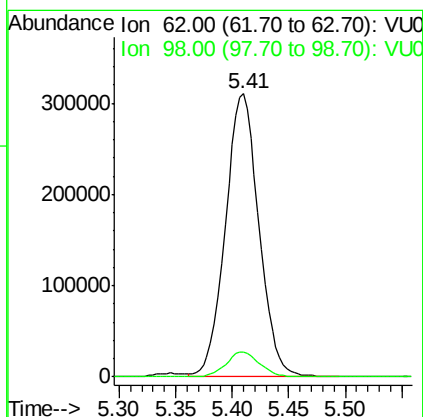
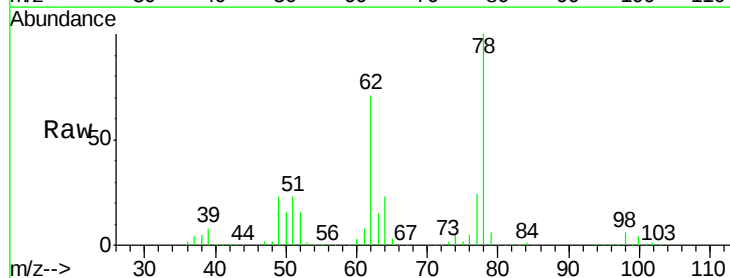
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

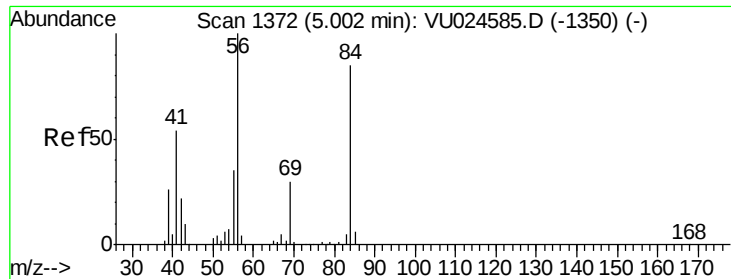
Tgt Ion: 83 Resp: 800786
Ion Ratio Lower Upper
83 100
85 65.9 44.4 82.5



#27
1,2-Dichloroethane
Concen: 190.753 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Tgt Ion: 62 Resp: 636017
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.2

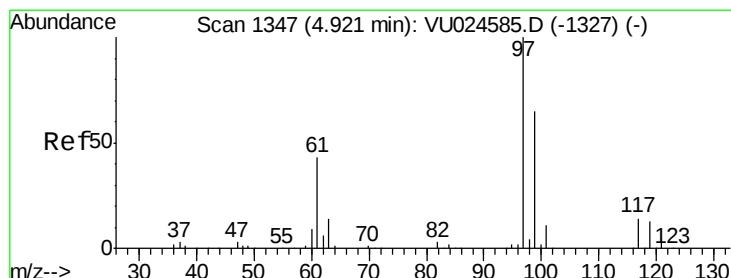
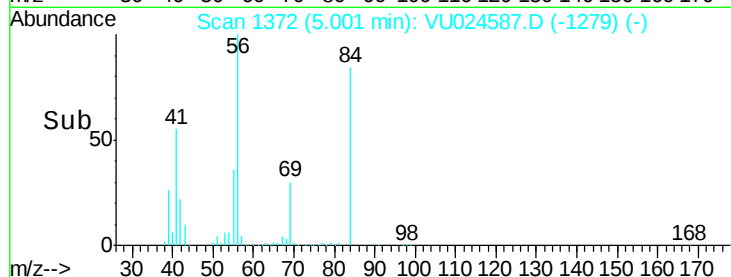
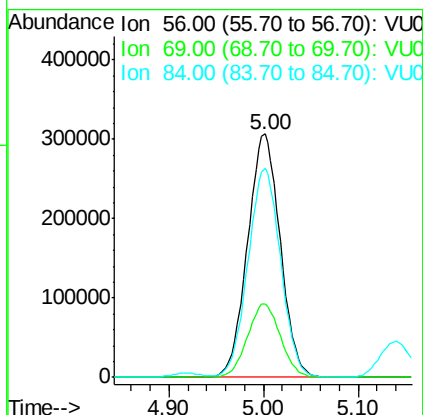
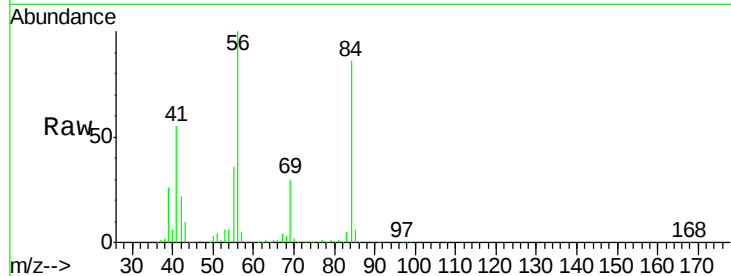




#29
Cyclohexane
Concen: 181.514 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

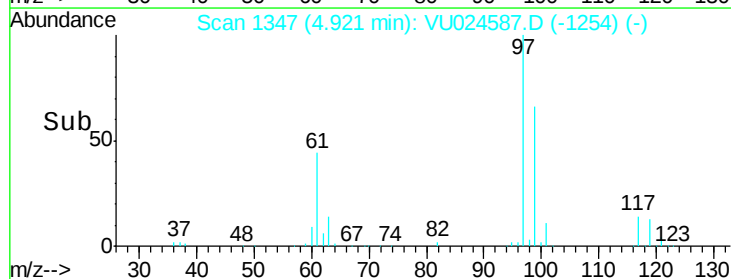
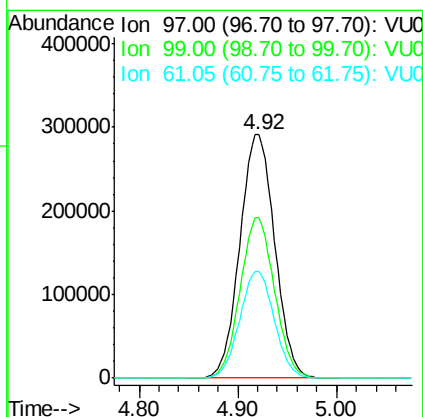
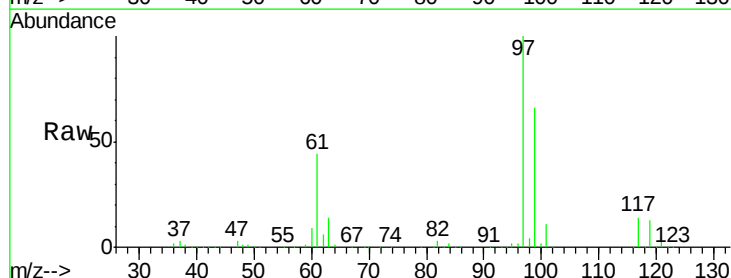
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

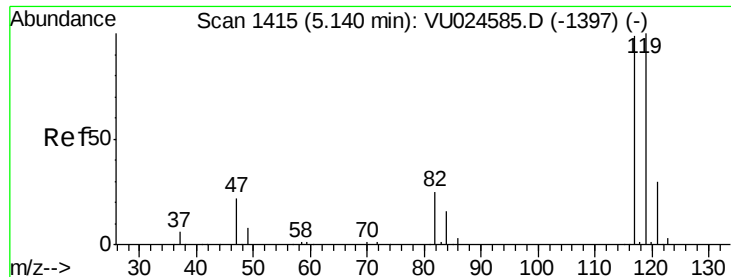
Tgt Ion: 56 Resp: 733201
Ion Ratio Lower Upper
56 100
69 30.3 24.7 37.1
84 86.0 68.8 103.2



#30
1,1,1-Trichloroethane
Concen: 180.546 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Tgt Ion: 97 Resp: 712677
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 43.4 33.8 50.8



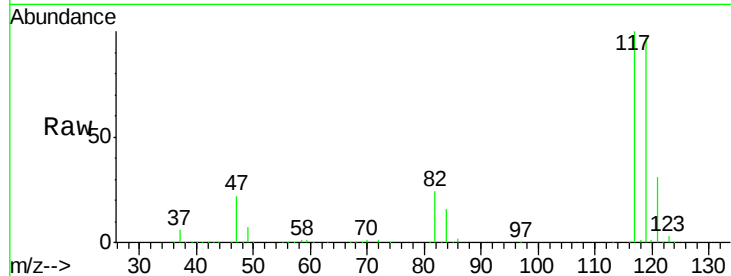


#31

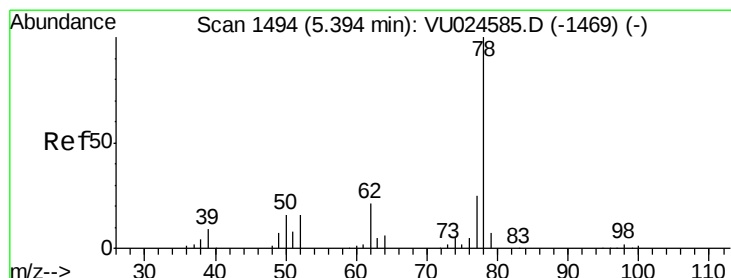
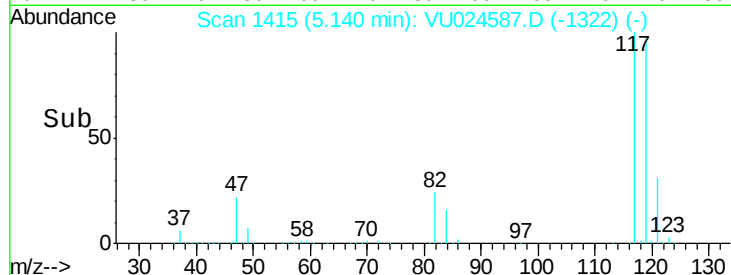
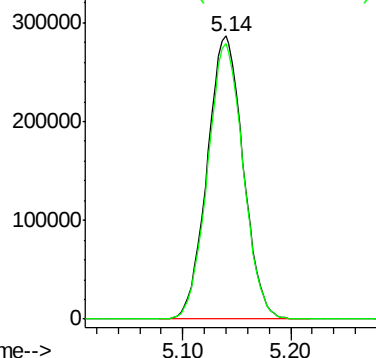
Carbon tetrachloride
Concen: 183.980 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

Tgt Ion:117 Resp: 664705
Ion Ratio Lower Upper
117 100
119 96.4 77.7 116.5



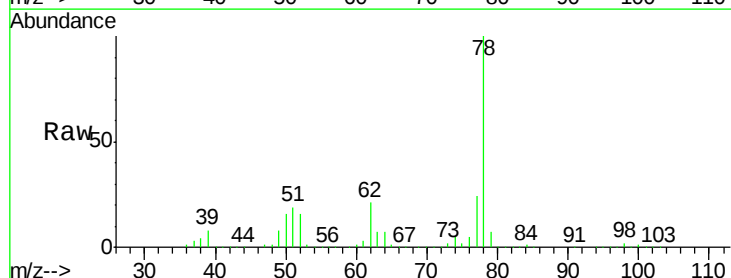
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



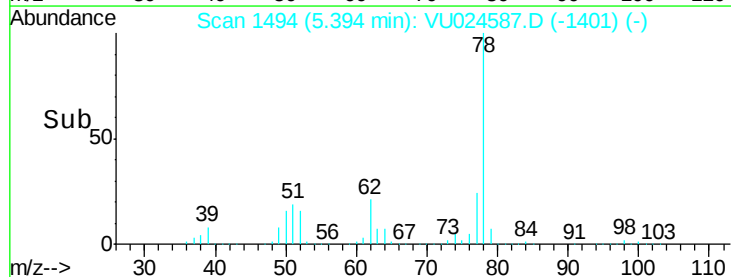
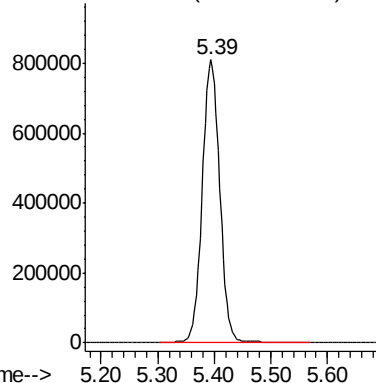
#33

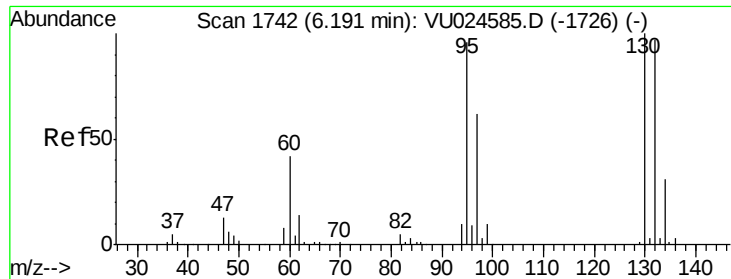
Benzene
Concen: 183.083 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Tgt Ion: 78 Resp: 1753098



Abundance Ion 78.00 (77.70 to 78.70): VU0

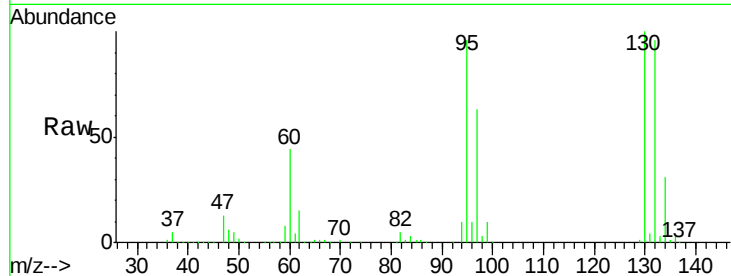




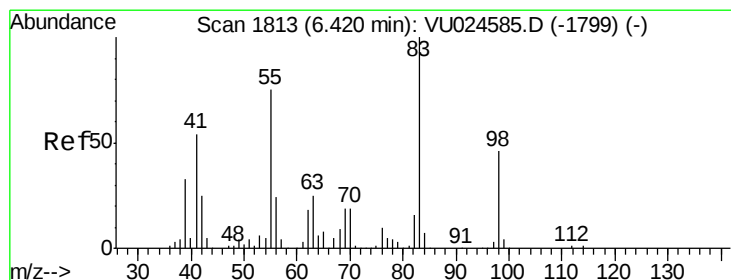
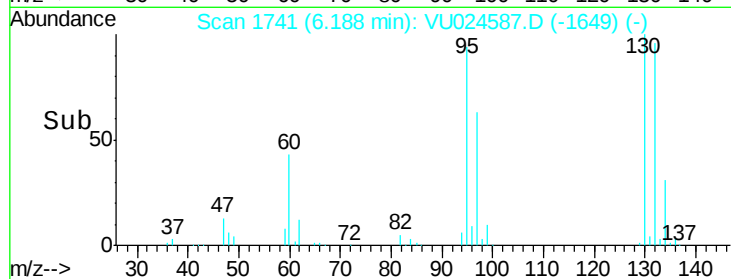
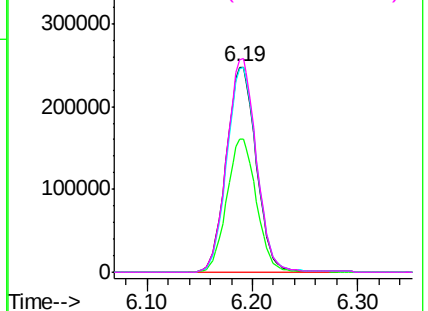
#34
 Trichloroethene
 Concen: 183.902 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU024587.D
 Acq: 15 Jun 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

Tgt Ion:	95	Resp:	486676
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.8	83.2
132	99.3	70.4	130.8
130	103.9	72.6	134.8

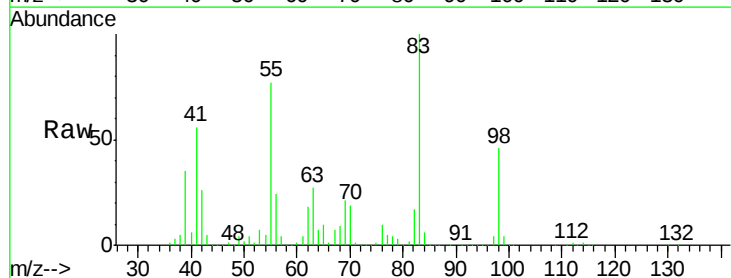


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

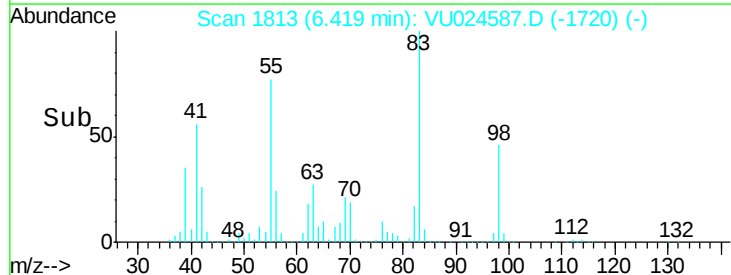
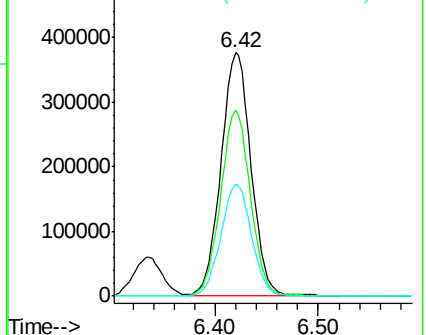


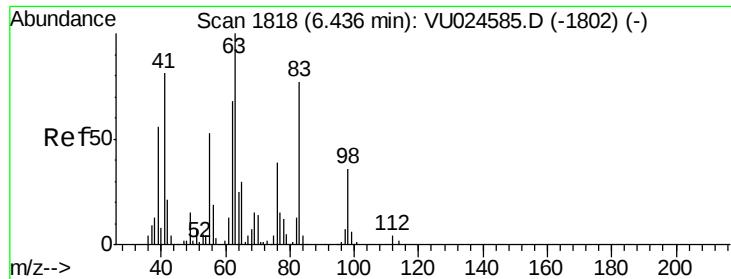
#35
 Methylcyclohexane
 Concen: 179.646 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024587.D
 Acq: 15 Jun 2018 12:22

Tgt Ion:	83	Resp:	764261
Ion	Ratio	Lower	Upper
83	100		
55	75.5	59.4	89.0
98	46.6	37.6	56.4



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

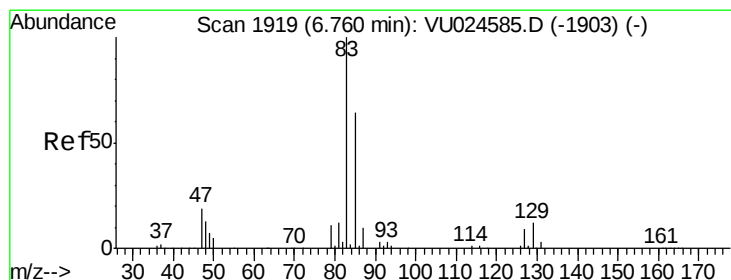
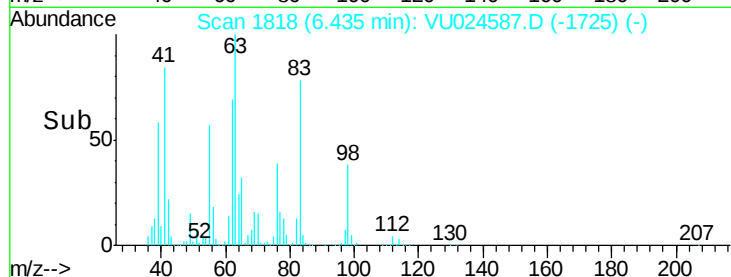
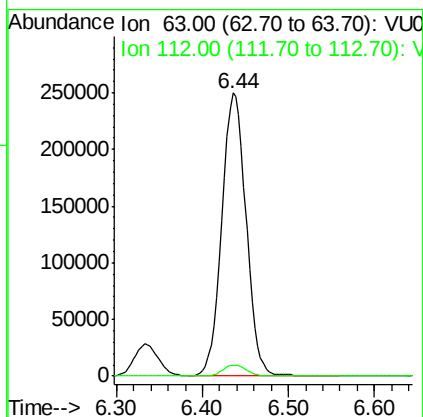
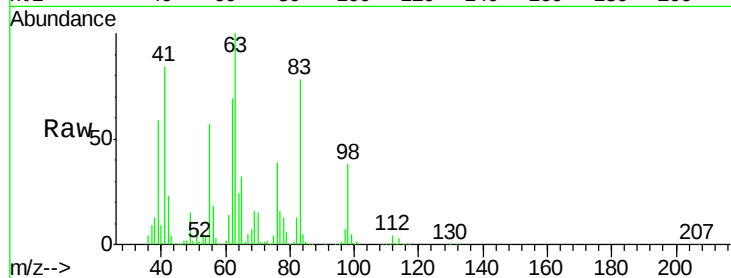




#37
 1,2-Dichloropropane
 Concen: 184.940 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024587.D
 Acq: 15 Jun 2018 12:22

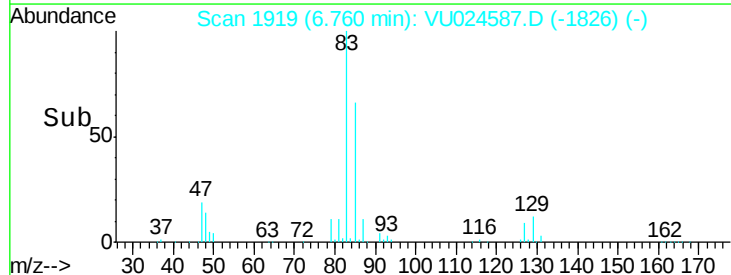
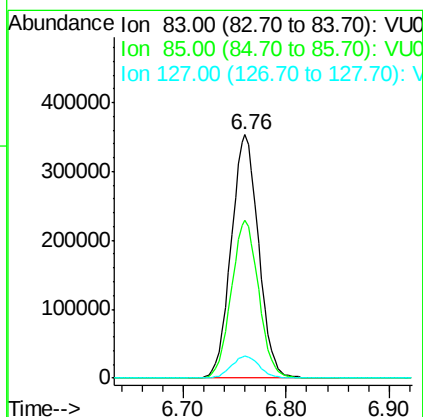
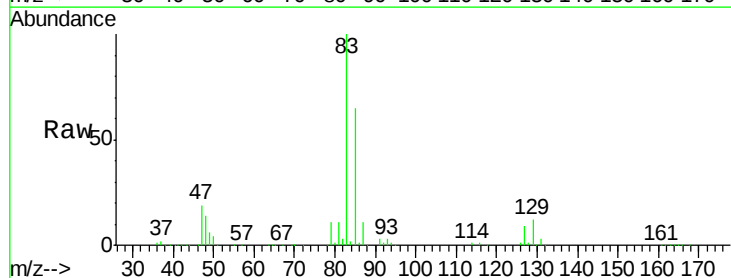
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20044

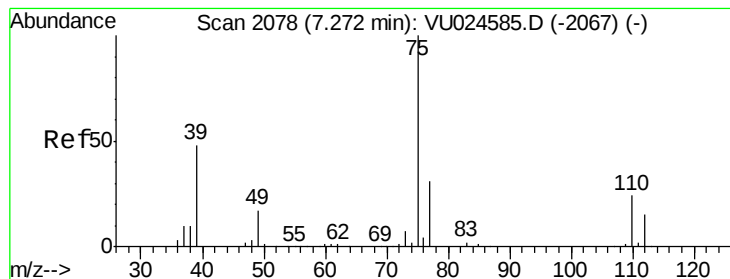
Tgt Ion: 63 Resp: 492252
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 185.718 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024587.D
 Acq: 15 Jun 2018 12:22

Tgt Ion: 83 Resp: 651574
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.9 83.3
 127 8.9 7.6 11.4



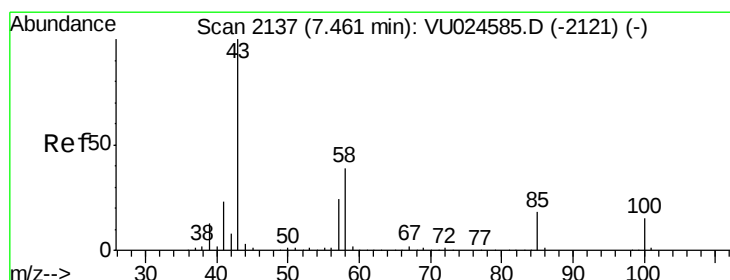
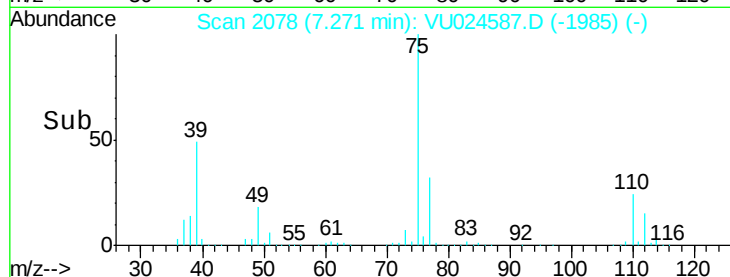
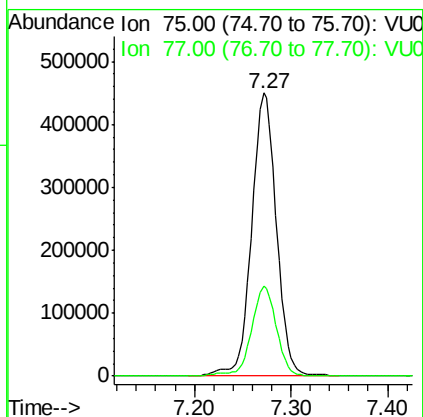
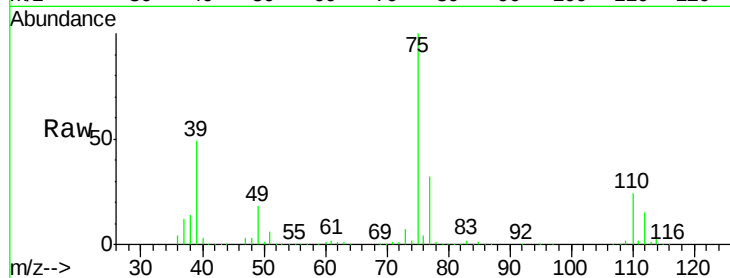


#39

cis-1,3-Dichloropropene
Concen: 191.561 ug/L
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

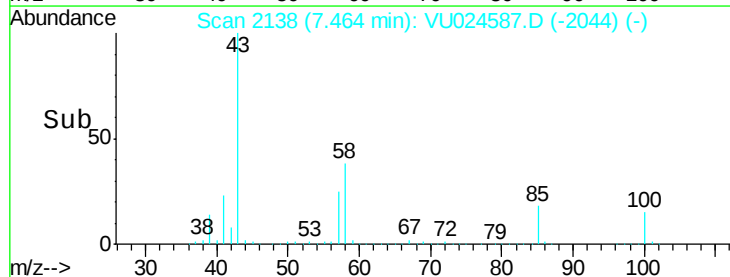
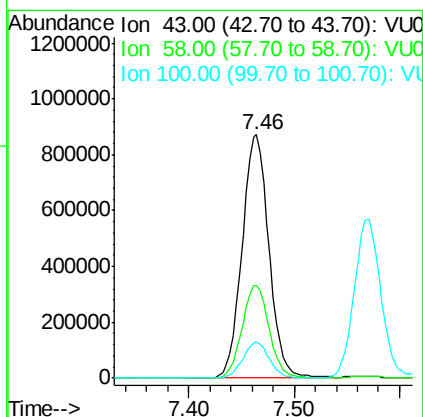
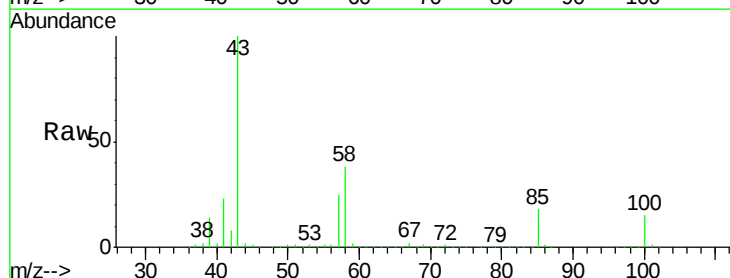
Tgt Ion: 75 Resp: 799234
Ion Ratio Lower Upper
75 100
77 31.6 22.2 41.2

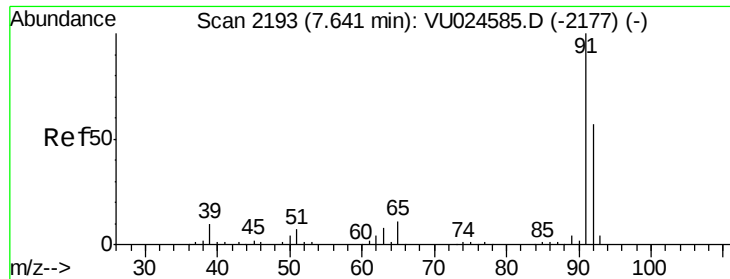


#40

4-Methyl-2-pentanone
Concen: 388.646 ug/L
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Tgt Ion: 43 Resp: 1535973
Ion Ratio Lower Upper
43 100
58 38.5 31.0 46.6
100 14.6 12.0 18.0





#42

Toluene

Concen: 186.333 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

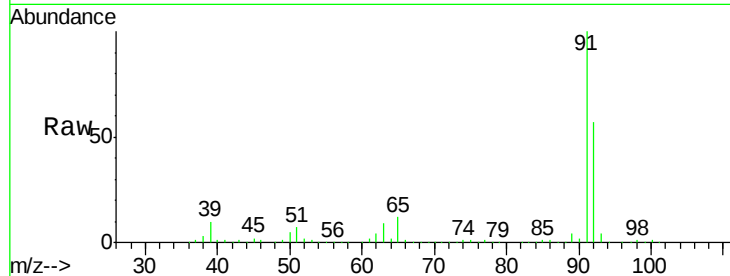
VSTD20044

Tgt Ion: 91 Resp: 1982721

Ion Ratio Lower Upper

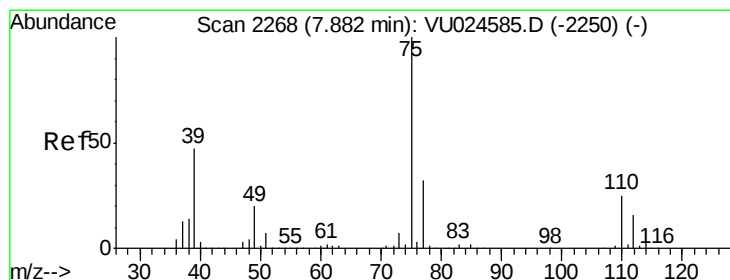
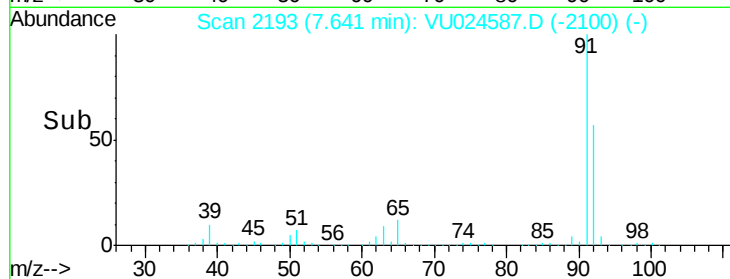
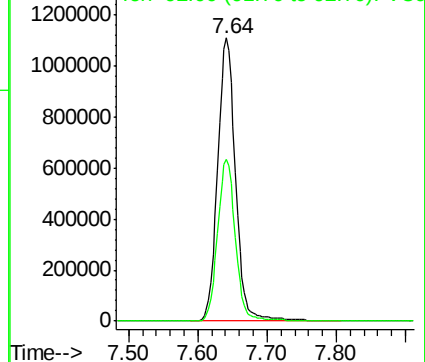
91 100

92 57.3 39.8 73.8



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: 197.908 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024587.D

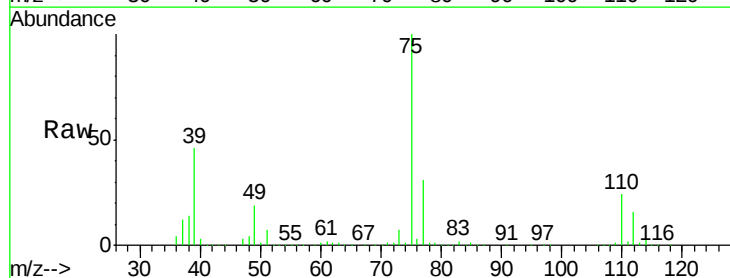
Acq: 15 Jun 2018 12:22

Tgt Ion: 75 Resp: 755143

Ion Ratio Lower Upper

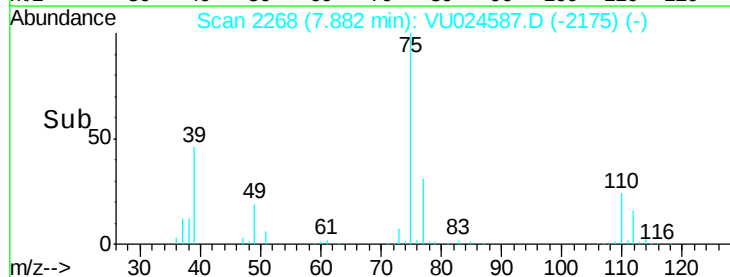
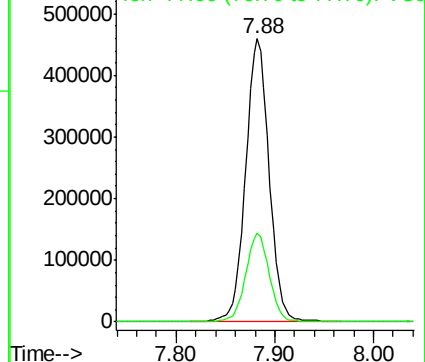
75 100

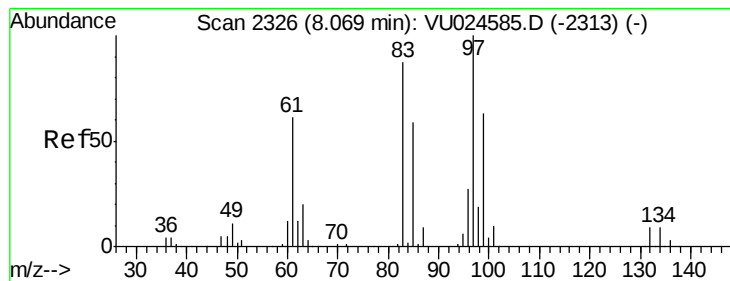
77 31.4 22.4 41.6



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: 185.113 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

Tgt Ion: 97 Resp: 463617

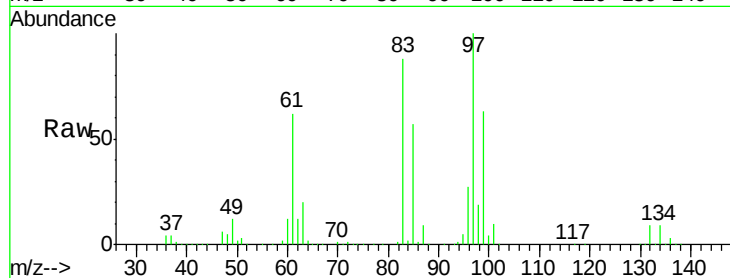
Ion Ratio Lower Upper

97 100

99 62.9 44.0 81.8

83 88.1 61.0 113.2

85 57.1 41.3 76.7

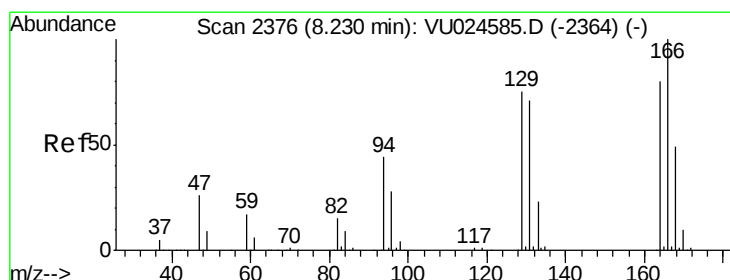
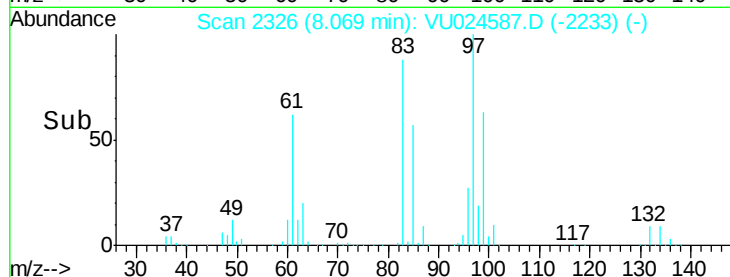
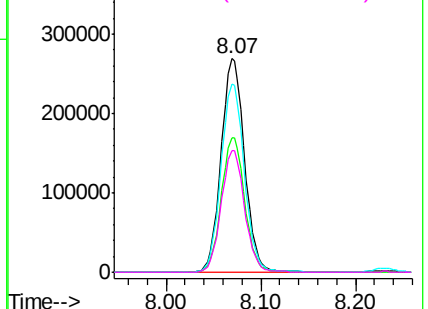


Abundance Ion 97.00 (96.70 to 97.70): VU0

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



#46

Tetrachloroethene

Concen: 179.553 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Tgt Ion:164 Resp: 399990

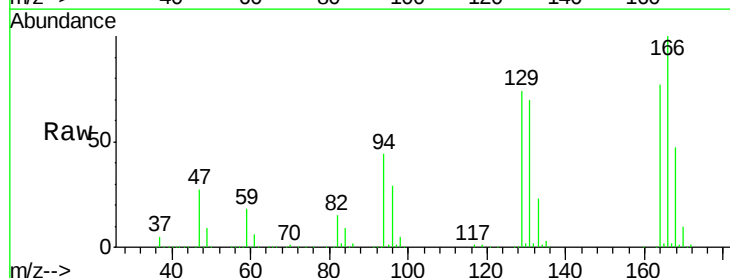
Ion Ratio Lower Upper

164 100

129 95.8 65.7 121.9

131 90.5 62.0 115.2

166 129.3 87.8 163.0

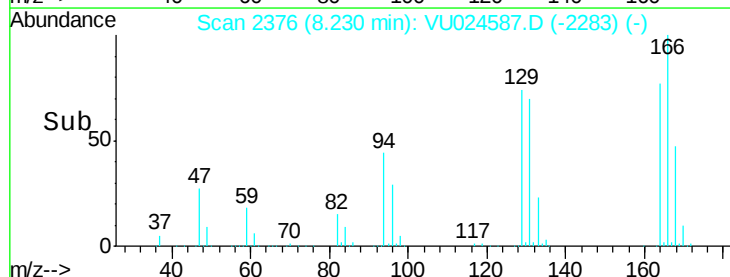
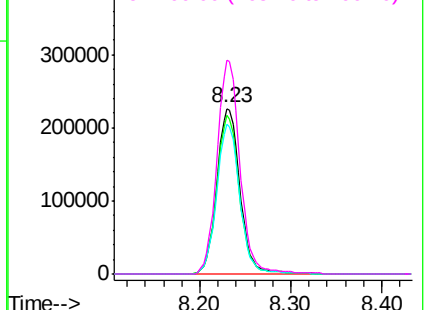


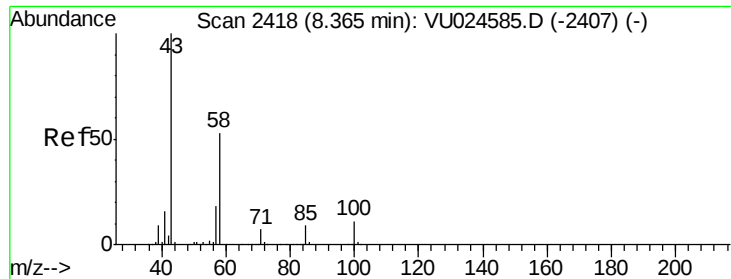
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



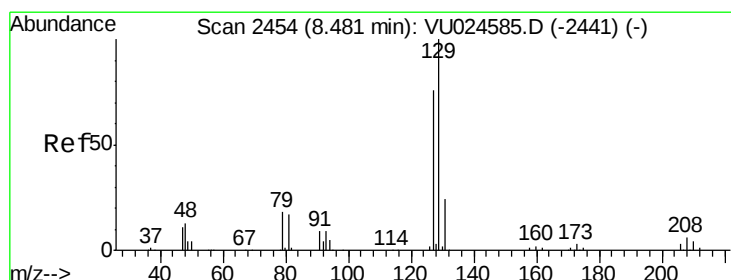
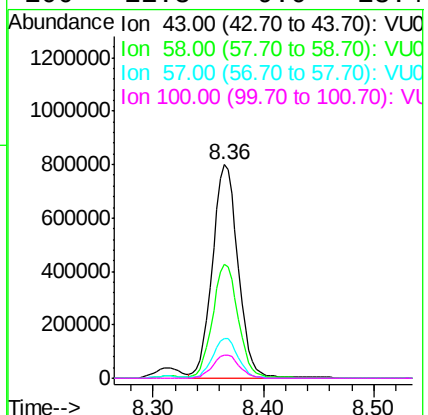
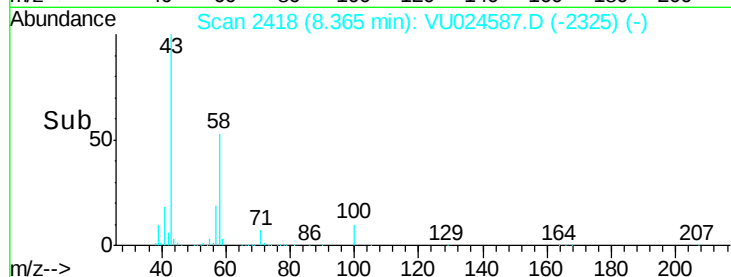
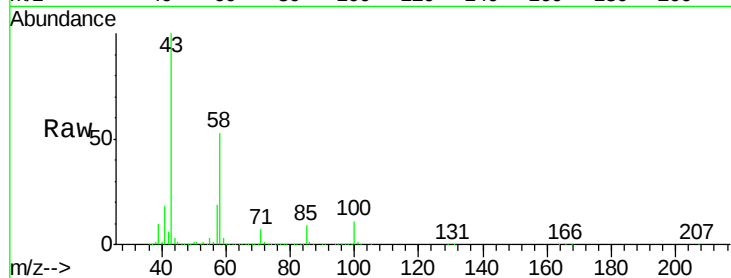


#48
2-Hexanone
Concen: 396.438 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

Tgt Ion: 43 Resp: 1273107

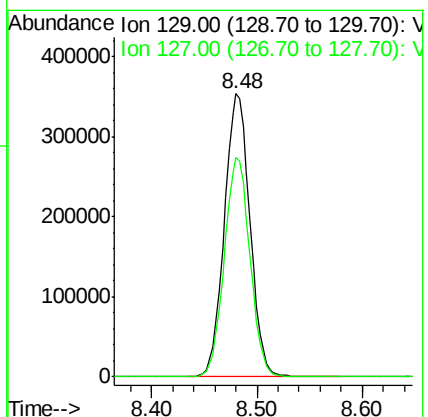
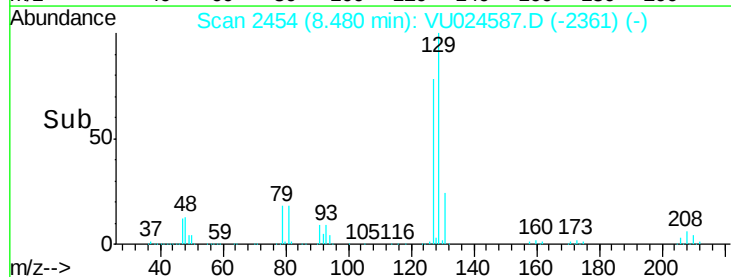
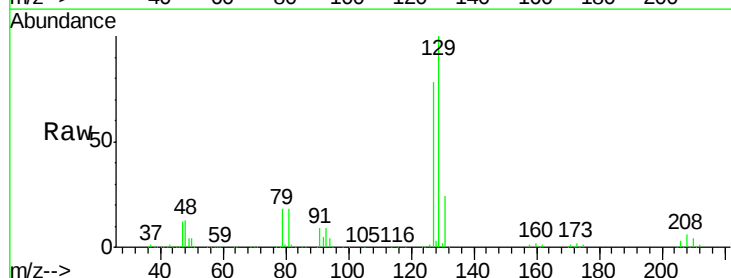
Ion	Ratio	Lower	Upper
43	100		
58	53.1	42.6	63.8
57	18.8	14.7	22.1
100	11.3	9.0	13.4

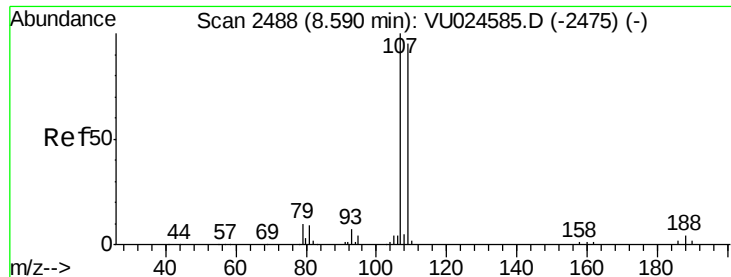


#49
Dibromochloromethane
Concen: 193.408 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Tgt Ion: 129 Resp: 593508

Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.9	98.3

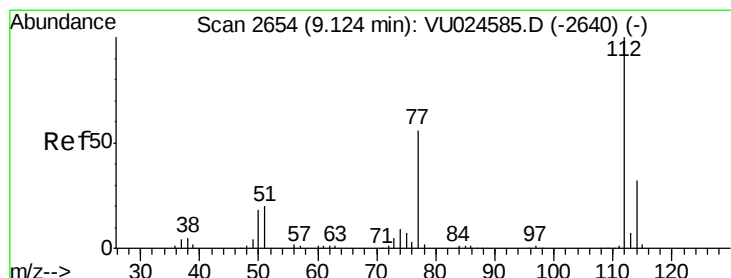
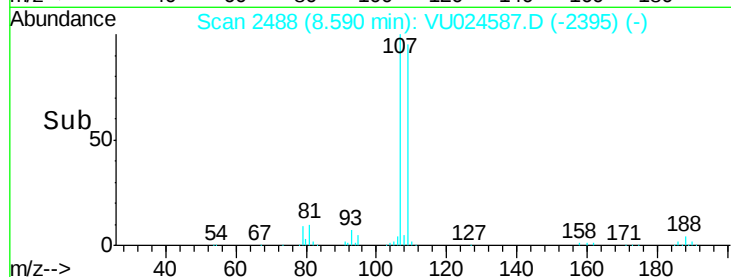
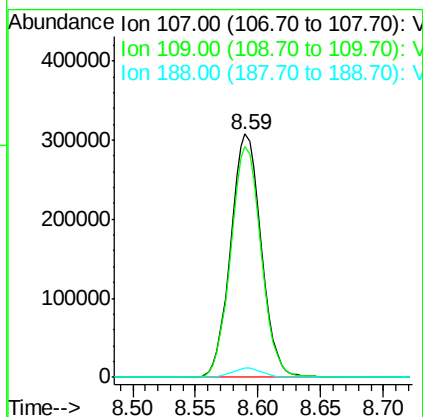
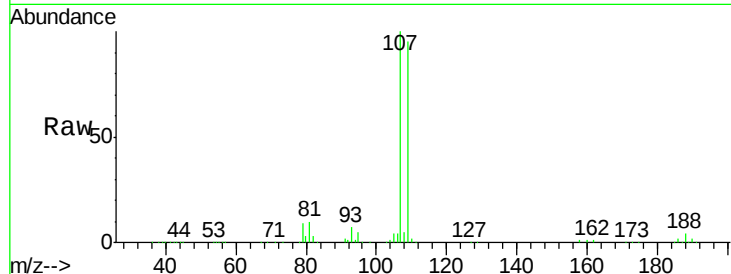




#50
1,2-Dibromoethane
Concen: 189.221 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

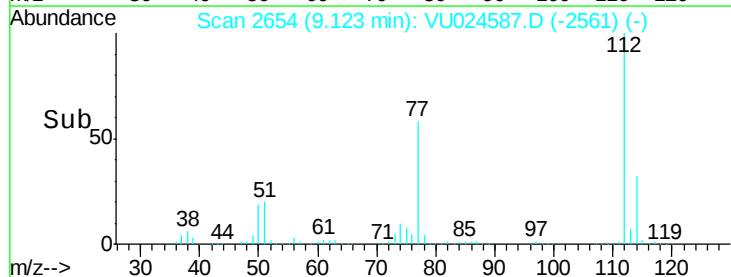
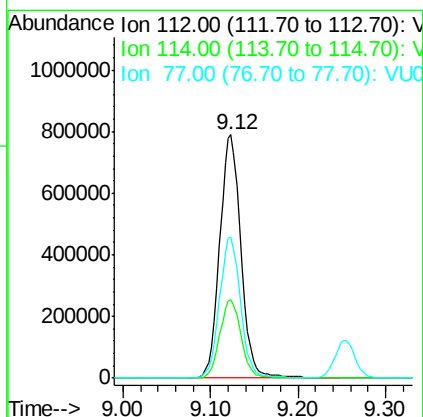
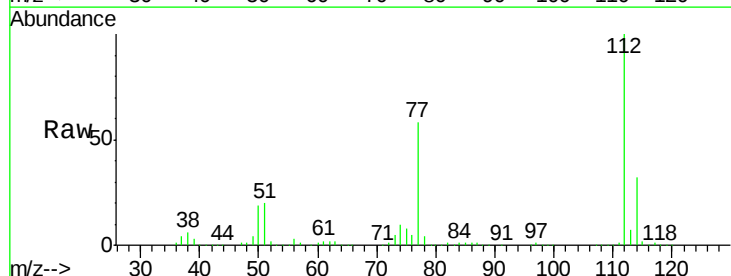
Instrument :
MSVOA_U
ClientSampleId :
VSTD20044

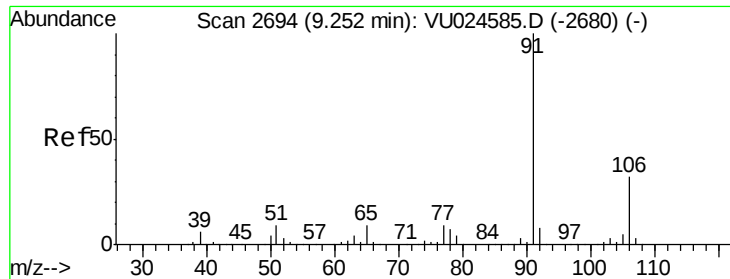
Tgt Ion:107 Resp: 520096
Ion Ratio Lower Upper
107 100
109 94.9 66.6 123.6
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 186.318 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024587.D
Acq: 15 Jun 2018 12:22

Tgt Ion:112 Resp: 1328587
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.1
77 57.9 45.0 67.6





#52

Ethylbenzene

Concen: 186.743 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

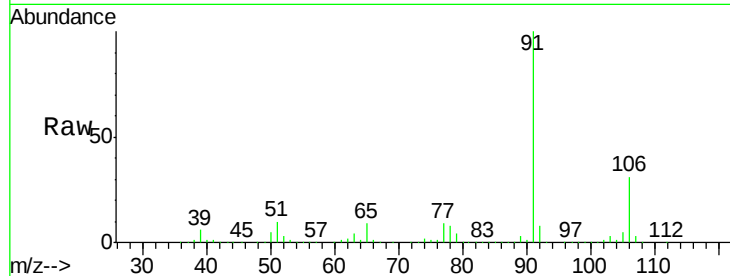
VSTD20044

Tgt Ion: 91 Resp: 2278173

Ion Ratio Lower Upper

91 100

106 31.3 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU024587.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU024587.D (-2680) (-)

1500000

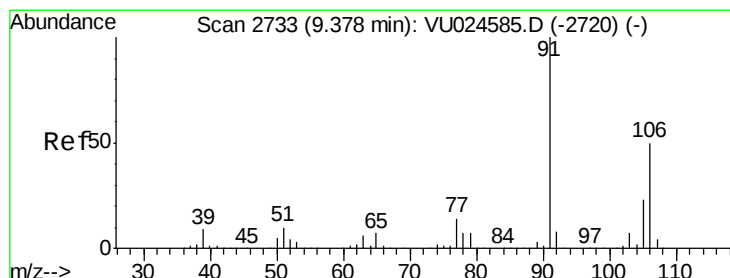
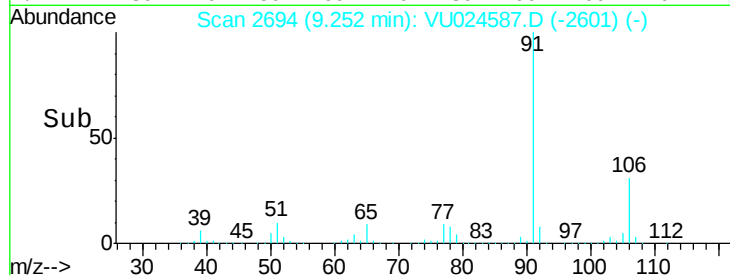
9.25

1000000

500000

0

Time-->



#53

m,p-Xylene

Concen: 188.436 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024587.D

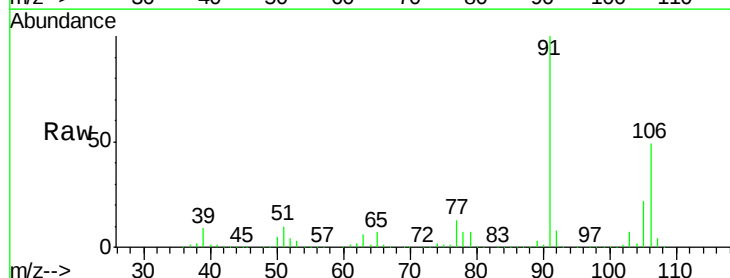
Acq: 15 Jun 2018 12:22

Tgt Ion: 106 Resp: 884626

Ion Ratio Lower Upper

106 100

91 205.2 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): VU024587.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU024587.D (-2720) (-)

1500000

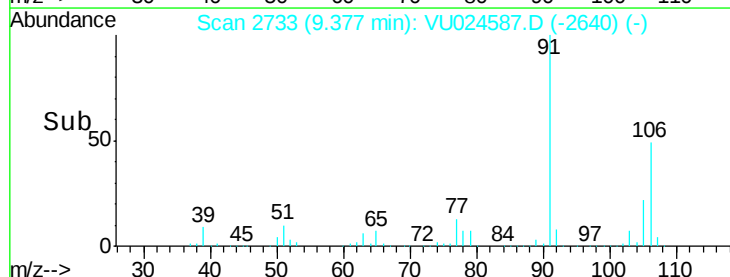
9.38

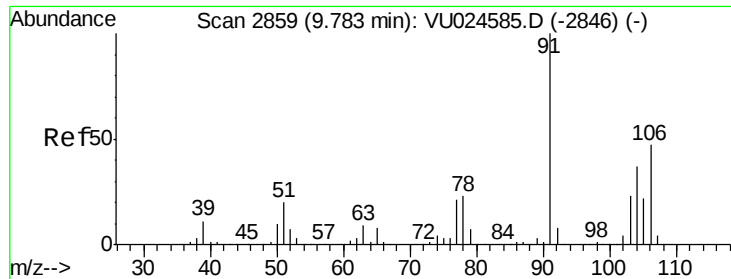
1000000

500000

0

Time-->





#54

o-xylene

Concen: 187.448 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

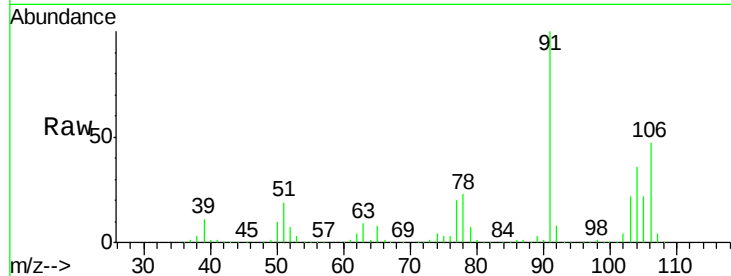
VSTD20044

Tgt Ion:106 Resp: 868150

Ion Ratio Lower Upper

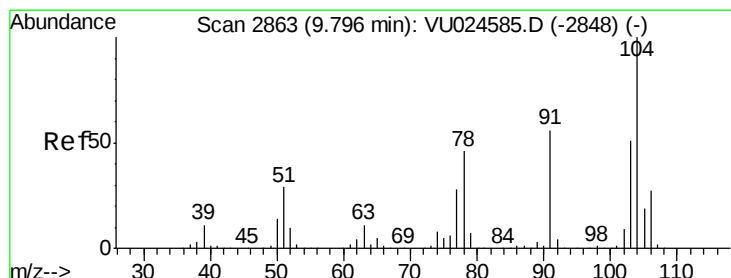
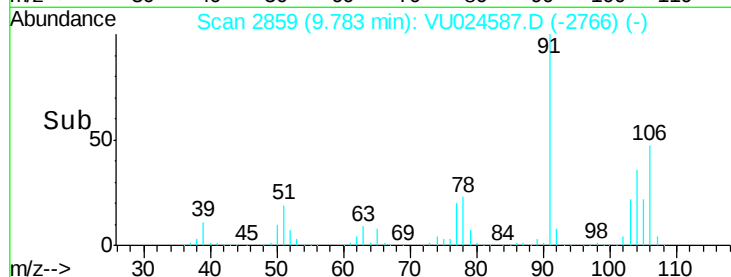
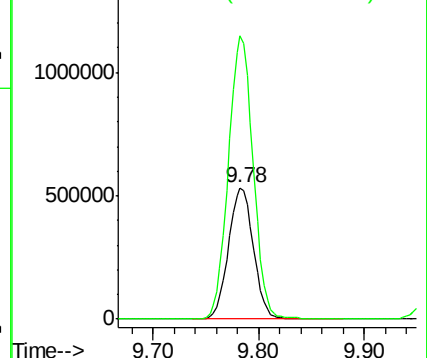
106 100

91 215.0 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 195.543 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU024587.D

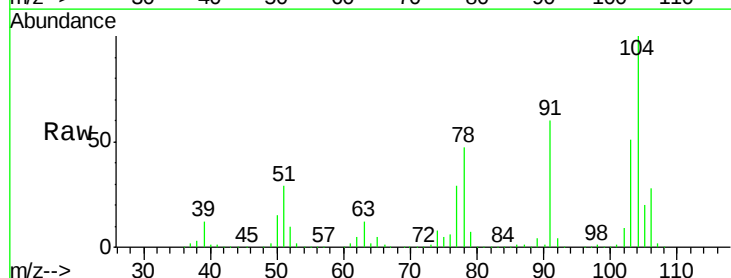
Acq: 15 Jun 2018 12:22

Tgt Ion:104 Resp: 1539943

Ion Ratio Lower Upper

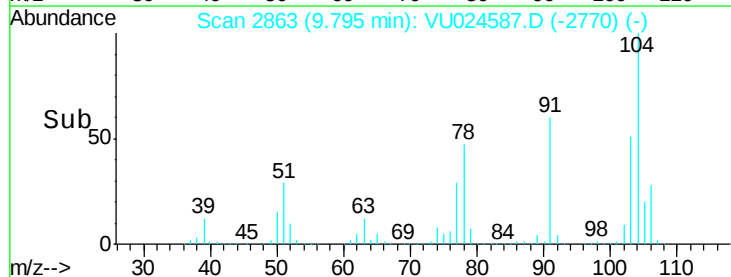
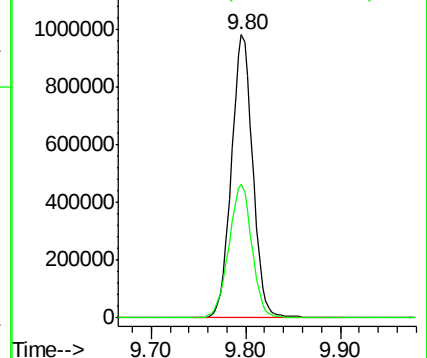
104 100

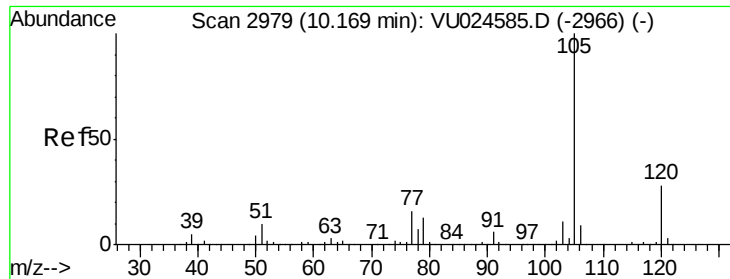
78 47.4 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 189.200 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

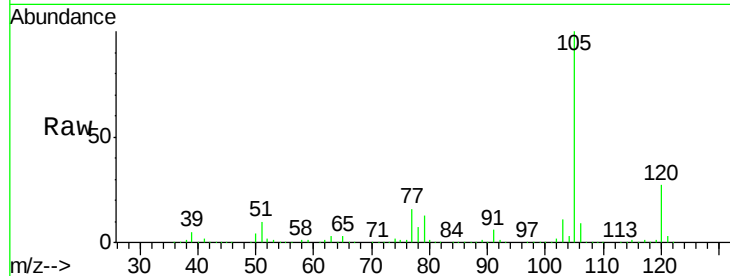
Tgt Ion: 105 Resp: 2311983

Ion Ratio Lower Upper

105 100

120 27.3 22.1 33.1

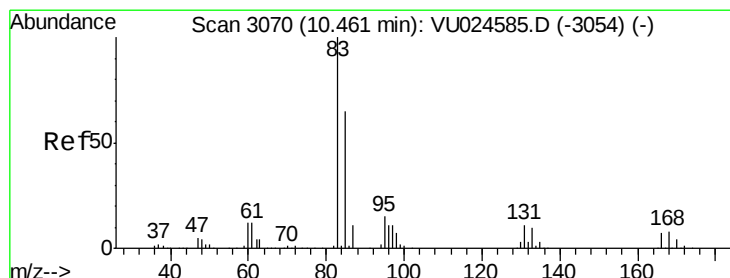
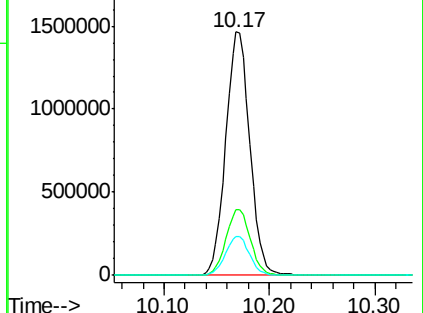
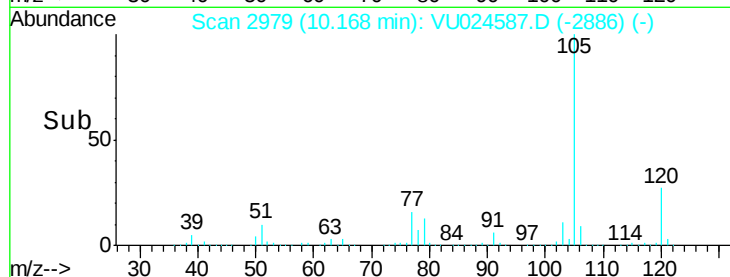
77 16.0 12.7 19.1



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: 193.229 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

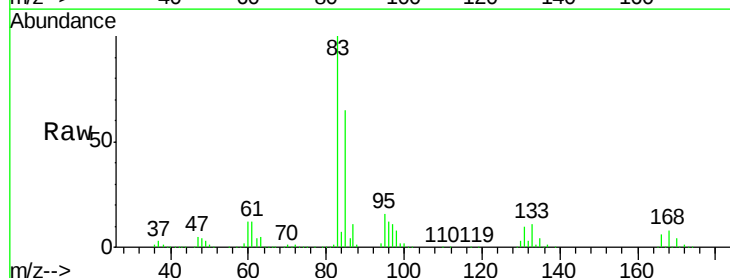
Tgt Ion: 83 Resp: 833856

Ion Ratio Lower Upper

83 100

85 64.9 45.9 85.3

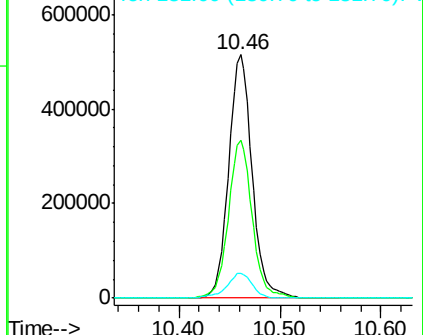
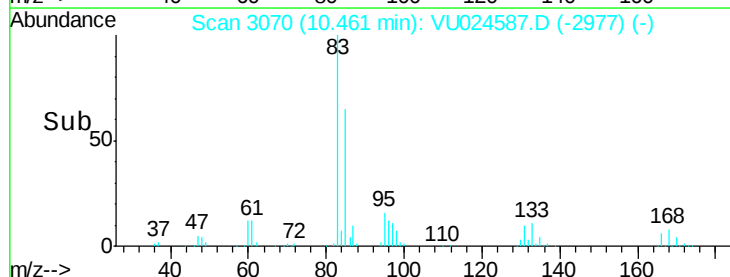
131 10.2 8.6 12.8

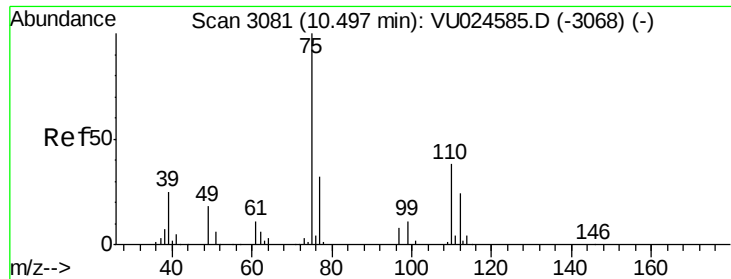


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 195.620 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

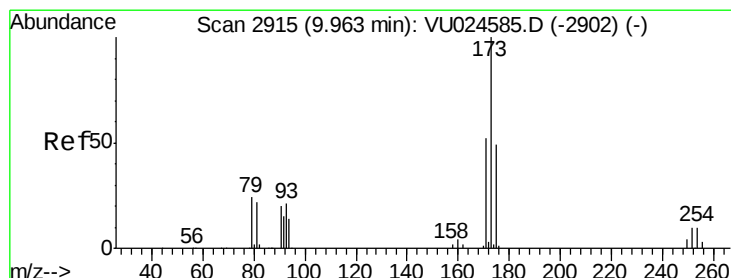
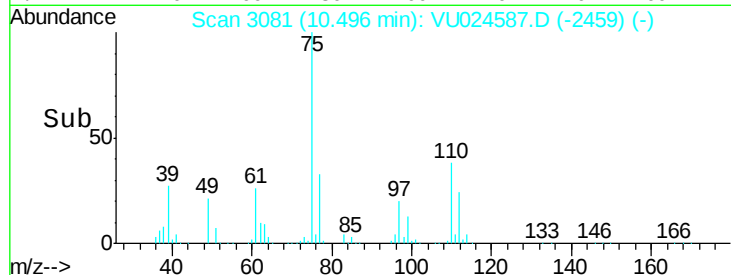
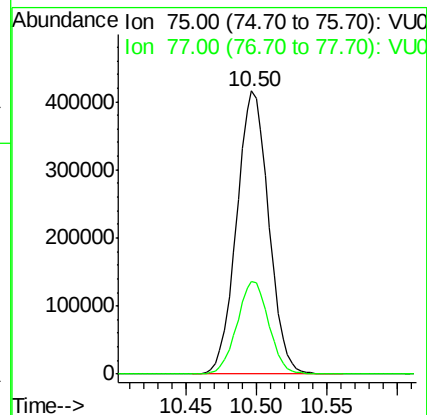
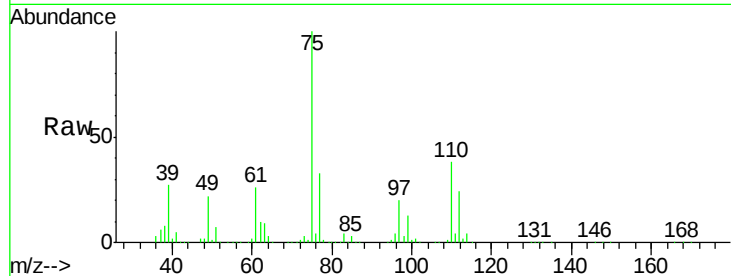
VSTD20044

Tgt Ion: 75 Resp: 661895

Ion Ratio Lower Upper

75 100

77 32.5 26.3 39.5



#61

Bromoform

Concen: 192.605 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

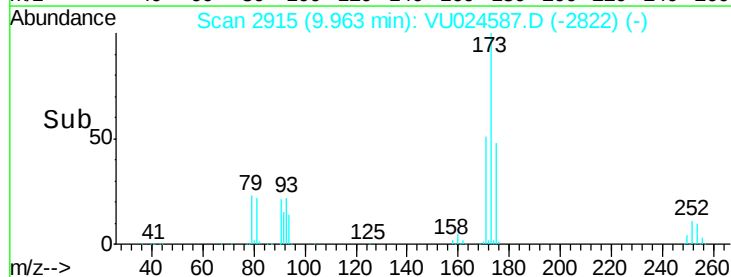
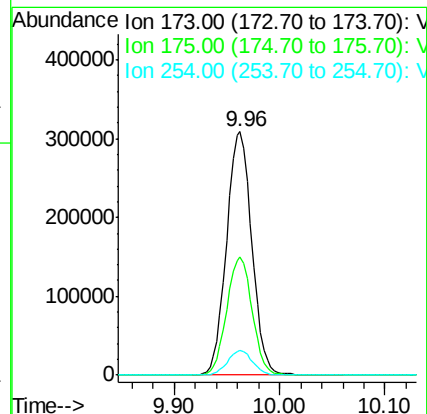
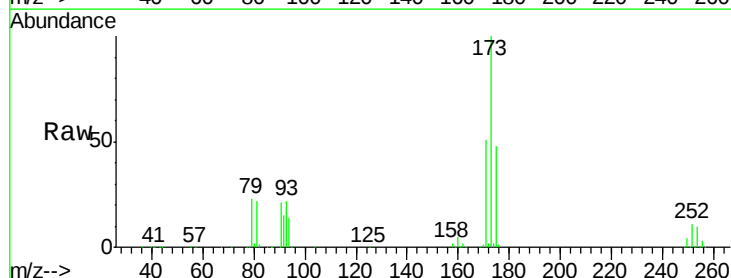
Tgt Ion: 173 Resp: 512322

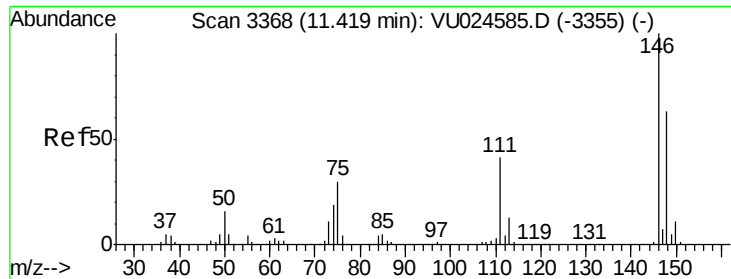
Ion Ratio Lower Upper

173 100

175 48.8 39.3 58.9

254 9.9 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 184.302 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

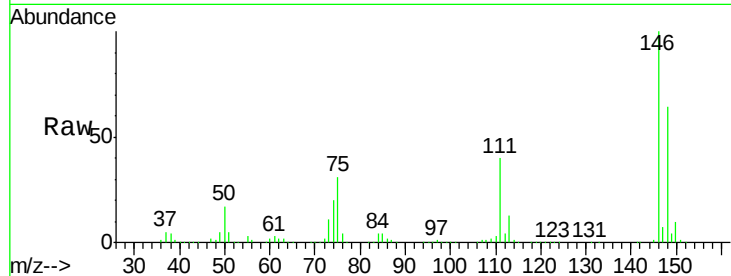
Tgt Ion:146 Resp: 1135713

Ion Ratio Lower Upper

146 100

111 40.4 28.4 52.8

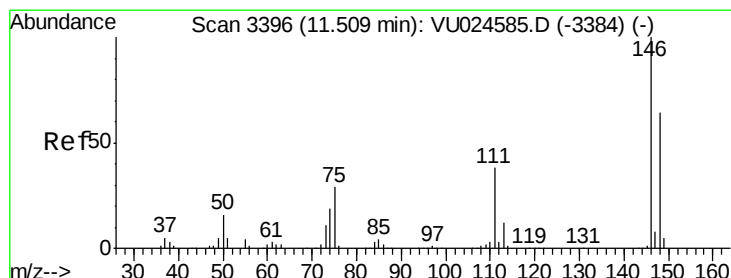
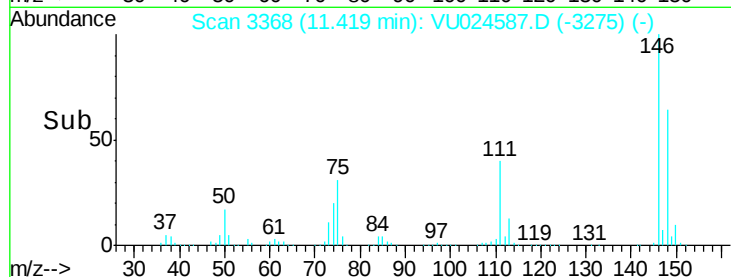
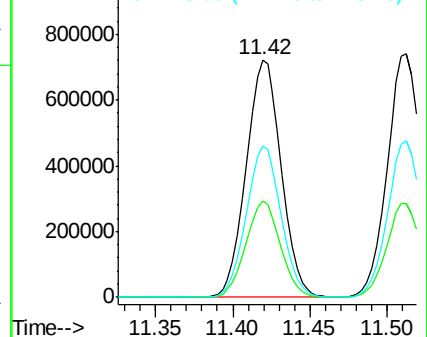
148 64.0 44.3 82.3



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: 184.006 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

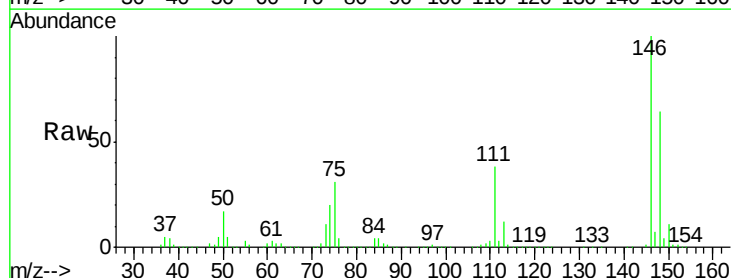
Tgt Ion:146 Resp: 1143696

Ion Ratio Lower Upper

146 100

111 38.4 26.5 49.1

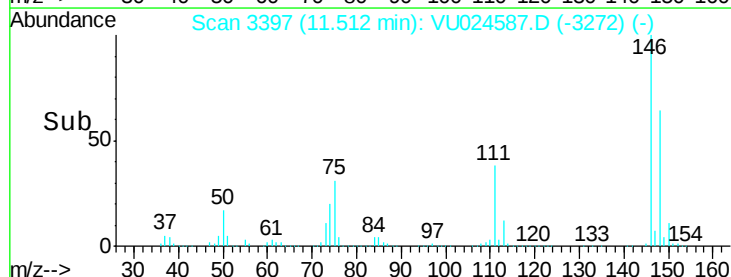
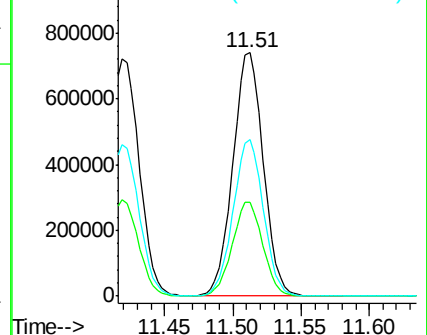
148 64.1 44.6 82.8

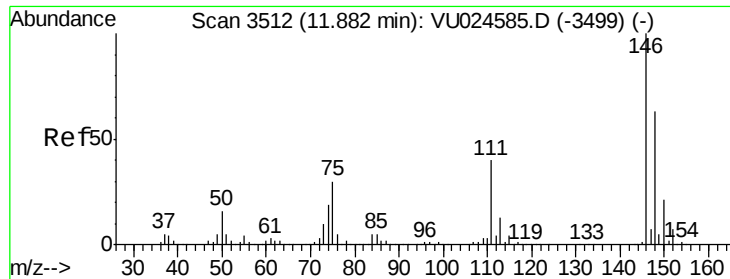


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 186.913 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

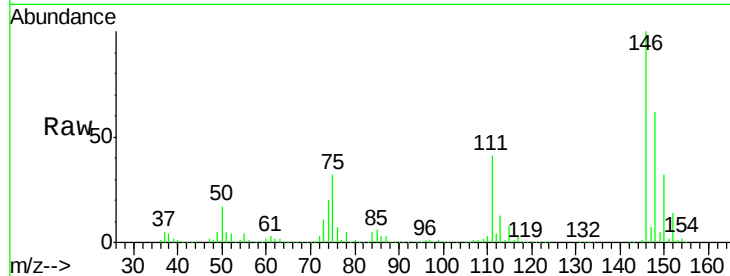
Tgt Ion:146 Resp: 1152672

Ion Ratio Lower Upper

146 100

111 41.0 32.2 48.4

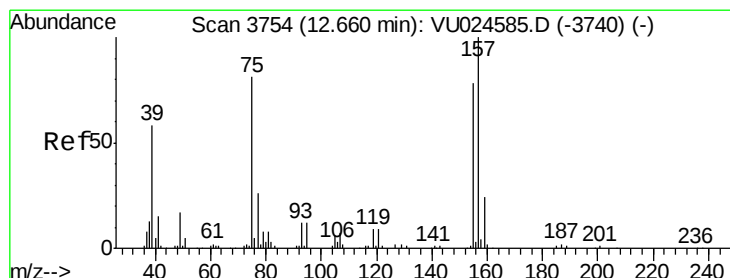
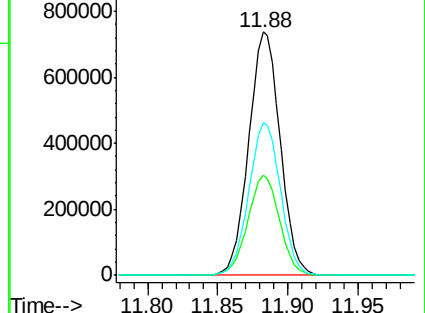
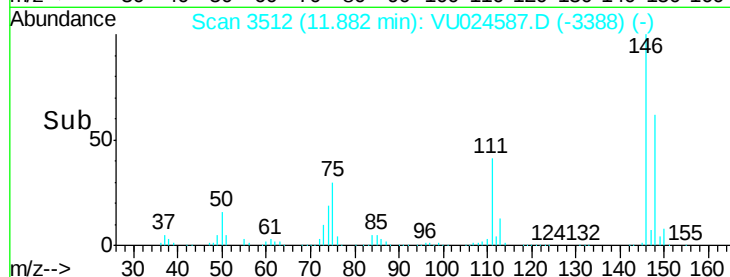
148 62.5 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 203.111 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

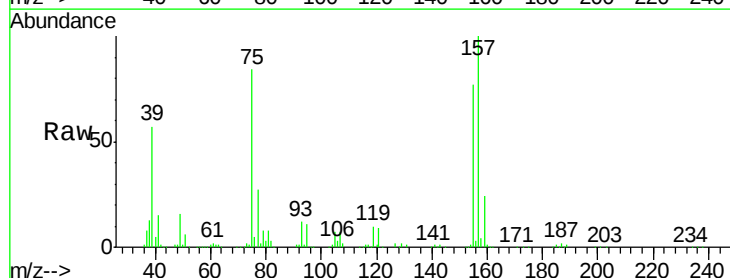
Tgt Ion: 75 Resp: 219206

Ion Ratio Lower Upper

75 100

155 91.8 76.8 115.2

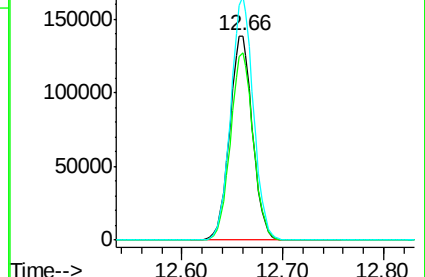
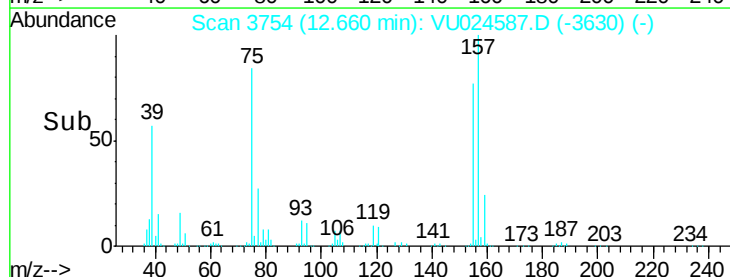
157 119.1 98.4 147.6

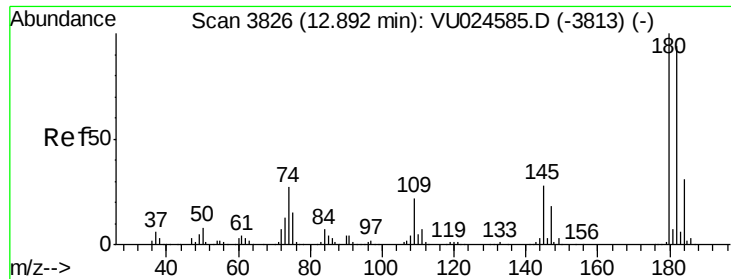


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

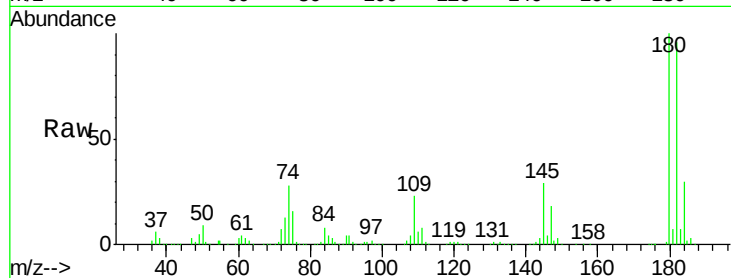




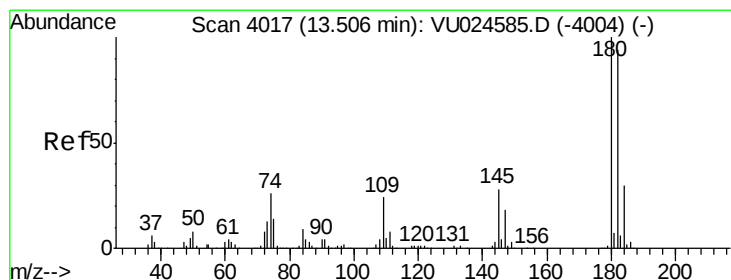
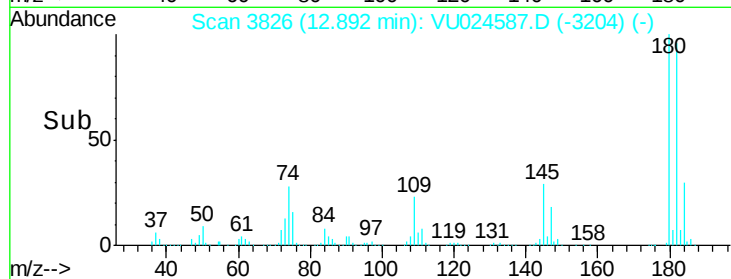
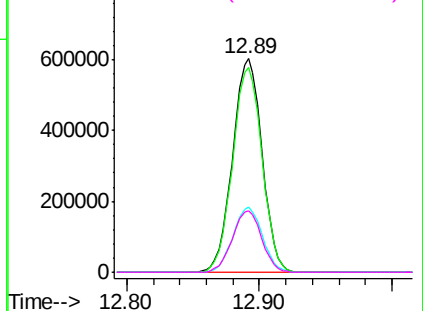
#67
 1,3,5-Trichlorobenzene
 Concen: 188.079 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU024587.D
 Acq: 15 Jun 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20044

Tgt Ion:180 Resp: 926648
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.2 114.4
 184 30.4 24.7 37.1
 145 28.7 22.6 34.0

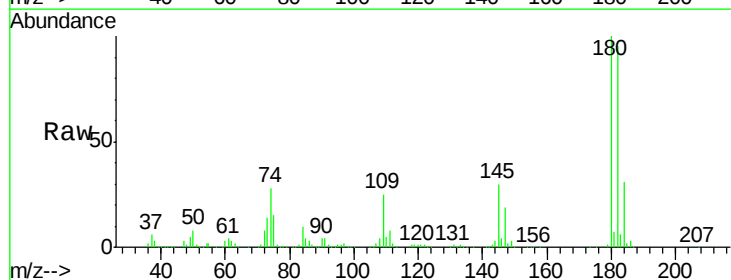


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

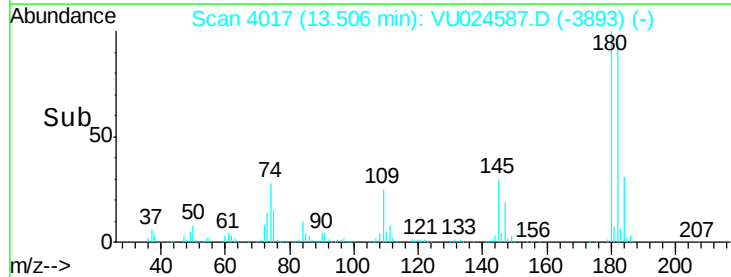
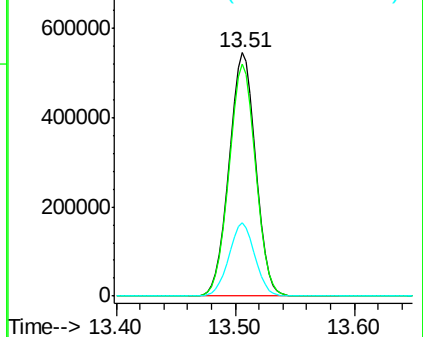


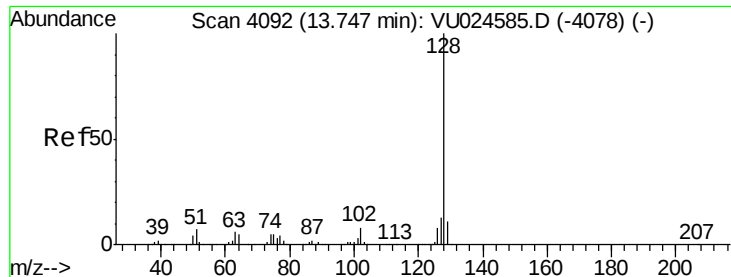
#68
 1,2,4-trichlorobenzene
 Concen: 205.538 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024587.D
 Acq: 15 Jun 2018 12:22

Tgt Ion:180 Resp: 842230
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 145 29.4 23.0 34.6



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: 213.432 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20044

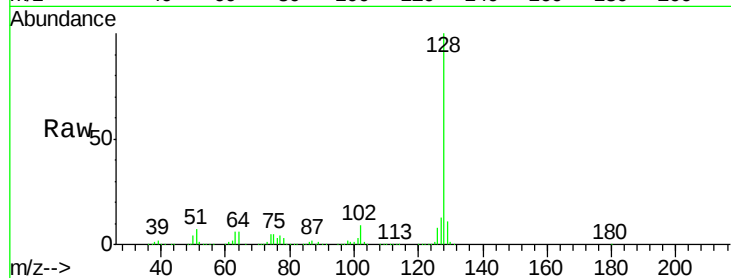
Tgt Ion:128 Resp: 2415567

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

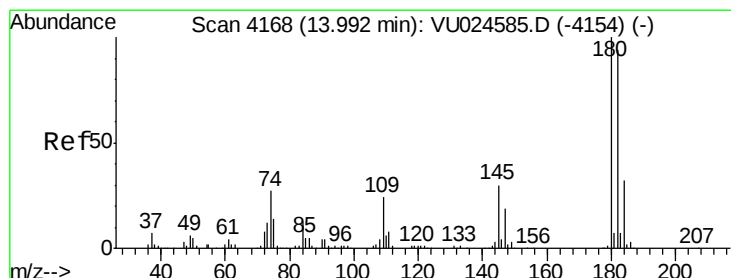
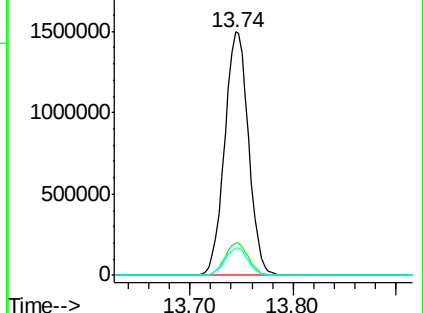
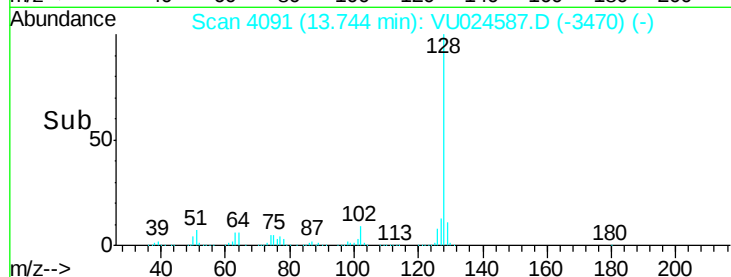
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 203.211 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU024587.D

Acq: 15 Jun 2018 12:22

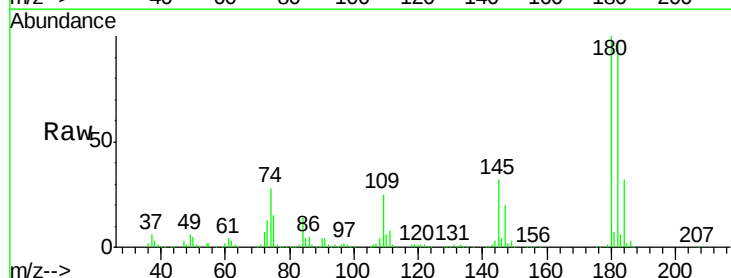
Tgt Ion:180 Resp: 844362

Ion Ratio Lower Upper

180 100

182 96.8 76.4 114.6

145 31.1 24.5 36.7



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

