

Data File : VU024583.D
Acq On : 15 Jun 2018 10:11
Operator : MD/SY
Sample : VSTD00540
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

Quant Time: Jun 16 00:21:42 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	335003	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	309804	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	164422	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	9996	5.21	ug/L	0.00
7) Chloroethane-d5	1.68	69	7657	5.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	20163	5.26	ug/L	0.00
21) 2-Butanone-d5	4.18	46	14970	9.25	ug/L	0.00
24) Chloroform-d	4.65	84	18938	4.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	11797	4.87	ug/L	0.00
32) Benzene-d6	5.35	84	37175	4.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	12285	4.91	ug/L	0.00
41) Toluene-d8	7.57	98	38807	5.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	6305	4.94	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	11450	8.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	17974	4.90	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	15662	4.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	15155	5.593 ug/L	99
3) Chloromethane	1.33	50	13380	5.491 ug/L	100
5) Vinyl chloride	1.41	62	14424	5.526 ug/L #	80
6) Bromomethane	1.64	94	6097	4.948 ug/L	92
8) Chloroethane	1.70	64	8451	5.514 ug/L	100
9) Trichlorofluoromethane	1.89	101	21825	5.695 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	12584	5.789 ug/L	96
12) 1,1-Dichloroethene	2.29	96	10924	5.486 ug/L	96
13) Acetone	2.32	43	21044	12.180 ug/L	91
14) Carbon disulfide	2.48	76	37166	5.696 ug/L	98
15) Methyl Acetate	2.62	43	14542	5.492 ug/L	98
16) Methylene chloride	2.71	84	14264	5.825 ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	13116	5.838 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	40973	5.608 ug/L	98
19) 1,1-Dichloroethane	3.45	63	22778	5.507 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	15027	5.737 ug/L	92
22) 2-Butanone	4.27	43	24926	11.321 ug/L #	71
23) Bromochloromethane	4.55	128	7194	5.475 ug/L	98
25) Chloroform	4.68	83	23910	5.605 ug/L	96
27) 1,2-Dichloroethane	5.41	62	17814	5.418 ug/L	99
29) Cyclohexane	5.00	56	21119	5.499 ug/L	93
30) 1,1,1-Trichloroethane	4.92	97	20973	5.589 ug/L	99
31) Carbon tetrachloride	5.14	117	19157	5.577 ug/L	95
33) Benzene	5.39	78	50442	5.541 ug/L	100
34) Trichloroethene	6.19	95	14336	5.698 ug/L	94
35) Methylcyclohexane	6.42	83	23002	5.687 ug/L	97
37) 1,2-Dichloropropane	6.44	63	13981	5.525 ug/L #	98
38) Bromodichloromethane	6.76	83	18264	5.476 ug/L	92
39) cis-1,3-Dichloropropene	7.27	75	22203	5.597 ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	40235	10.708 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	55867	5.522	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	18699	5.155	ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	13531	5.683	ug/L	95
46) Tetrachloroethene	8.23	164	11936	5.636	ug/L	94
48) 2-Hexanone	8.37	43	32746	10.725	ug/L	95
49) Dibromochloromethane	8.48	129	15410	5.282	ug/L	97
50) 1,2-Dibromoethane	8.59	107	14184	5.428	ug/L	99
51) Chlorobenzene	9.12	112	37801	5.576	ug/L	98
52) Ethylbenzene	9.26	91	63869	5.507	ug/L	99
53) m,p-Xylene	9.38	106	24542	5.499	ug/L	99
54) o-xylene	9.78	106	24440	5.550	ug/L	96
55) Styrene	9.80	104	39805	5.316	ug/L	99
56) Isopropylbenzene	10.17	105	62776	5.403	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	22355	5.449	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	17263	5.366	ug/L	97
61) Bromoform	9.96	173	13257	5.559	ug/L #	95
62) 1,3-Dichlorobenzene	11.42	146	31113	5.632	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	30661	5.502	ug/L	99
65) 1,2-Dichlorobenzene	11.89	146	30691	5.551	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	5208	5.383	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	23014	5.210	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	16346	4.450	ug/L	92
69) Naphthalene	13.75	128	44340	4.370	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	17293	4.642	ug/L	99

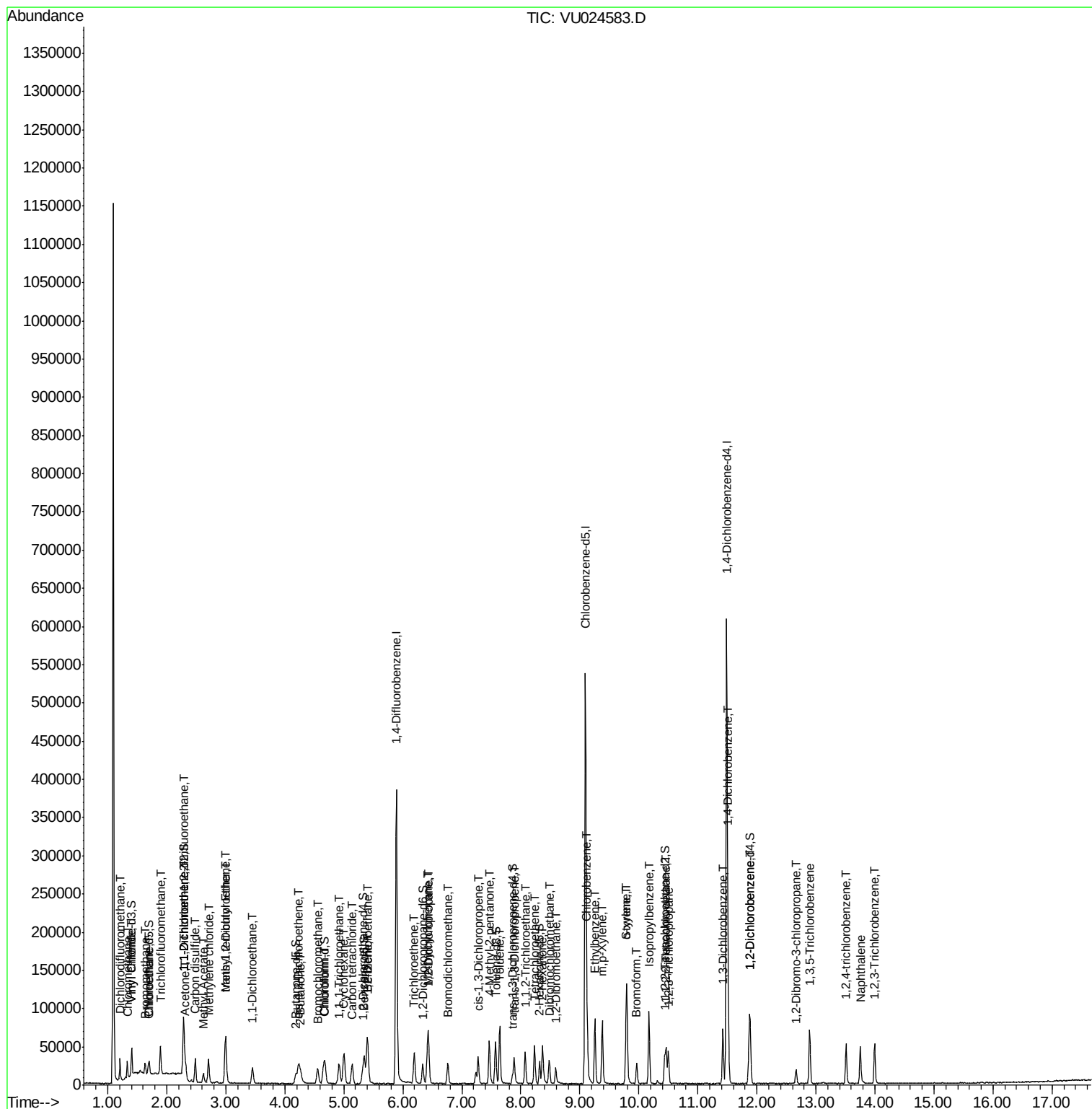
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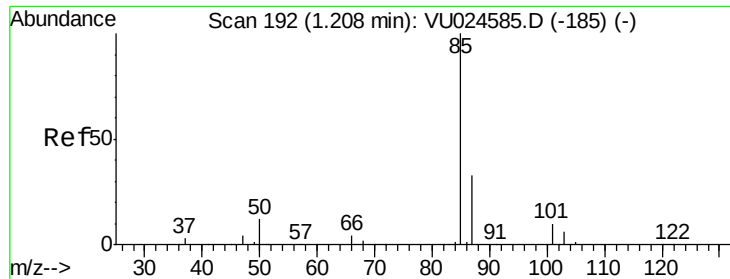
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#2

Dichlorodifluoromethane

Concen: 5.593 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

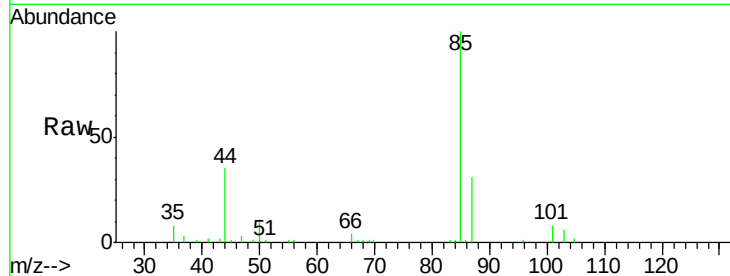
VSTD00540

Tgt Ion: 85 Resp: 15155

Ion Ratio Lower Upper

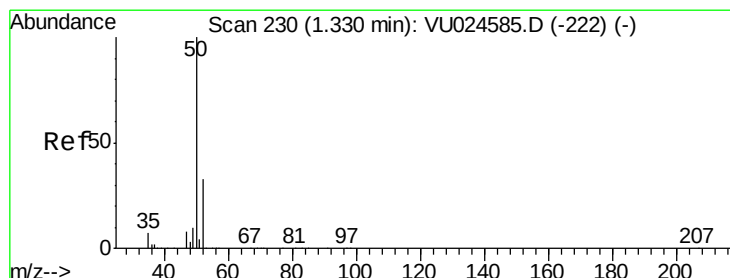
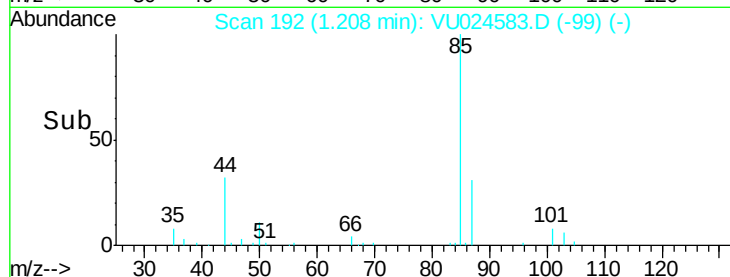
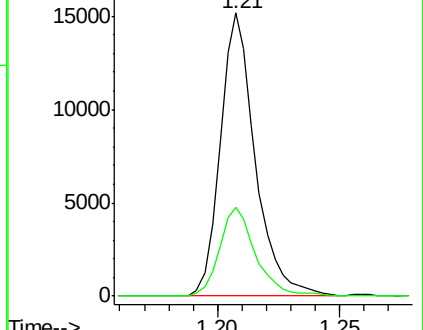
85 100

87 32.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU024583.D (-185) (-)

Ion 87.00 (86.70 to 87.70): VU024583.D (-185) (-)



#3

Chloromethane

Concen: 5.491 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024583.D

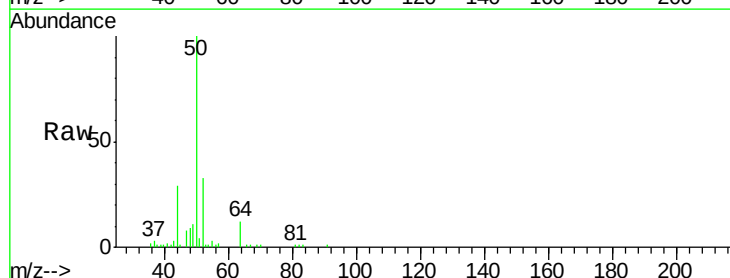
Acq: 15 Jun 2018 10:11

Tgt Ion: 50 Resp: 13380

Ion Ratio Lower Upper

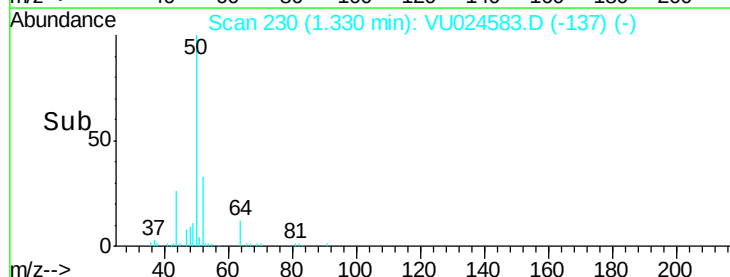
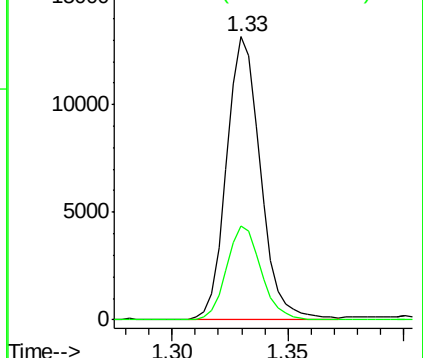
50 100

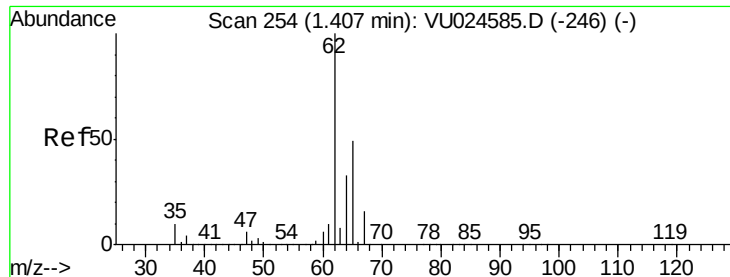
52 33.2 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU024583.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU024583.D (-137) (-)





#5

Vinyl chloride

Concen: 5.526 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

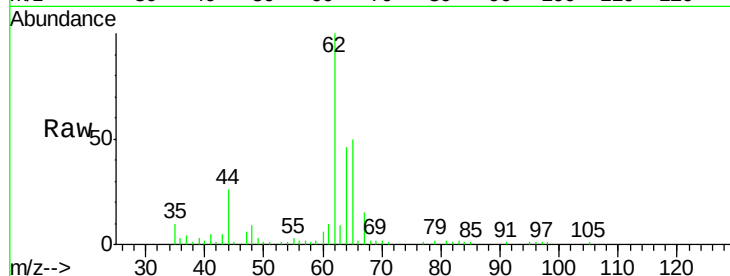
VSTD00540

Tgt Ion: 62 Resp: 14424

Ion Ratio Lower Upper

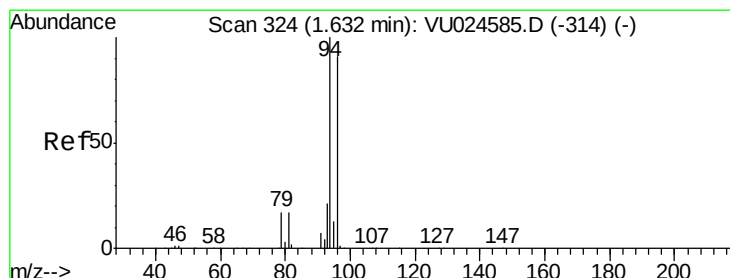
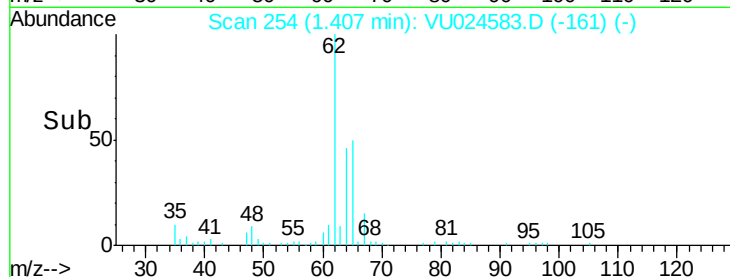
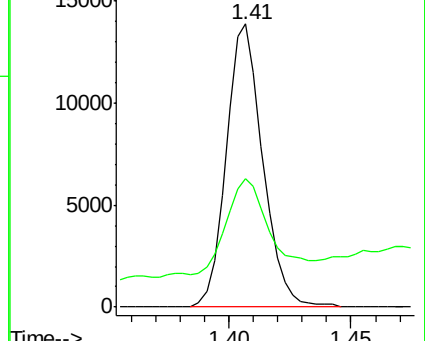
62 100

64 45.6 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: 4.948 ug/L

RT: 1.64 min Scan# 325

Delta R.T. 0.00 min

Lab File: VU024583.D

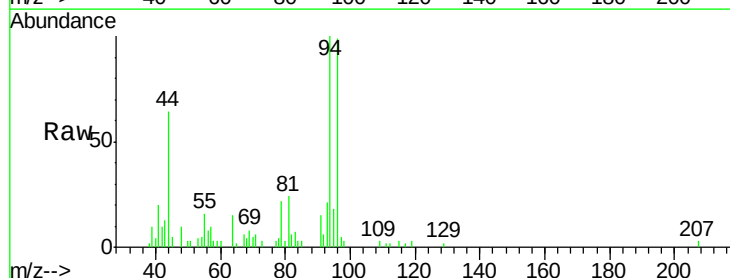
Acq: 15 Jun 2018 10:11

Tgt Ion: 94 Resp: 6097

Ion Ratio Lower Upper

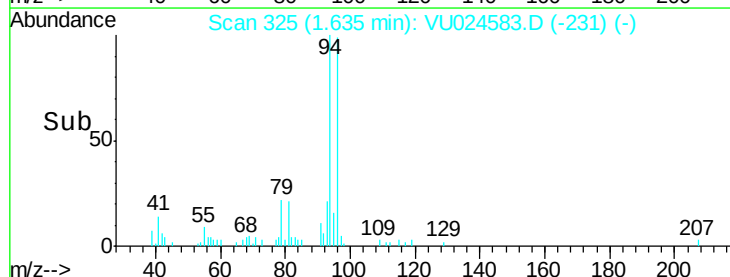
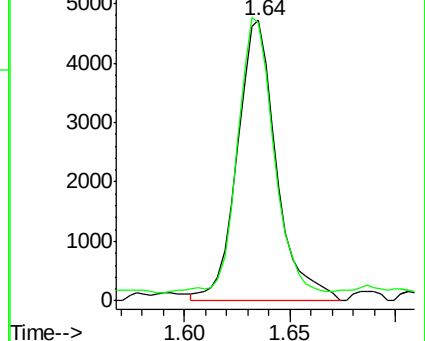
94 100

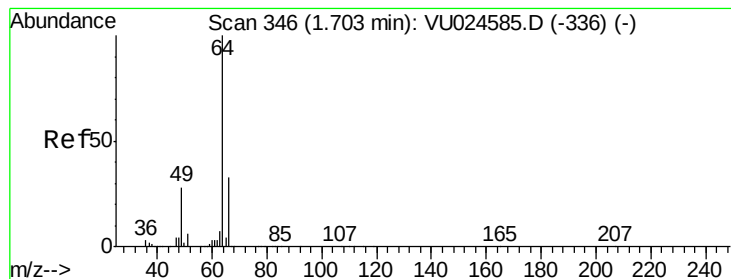
96 99.5 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.514 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

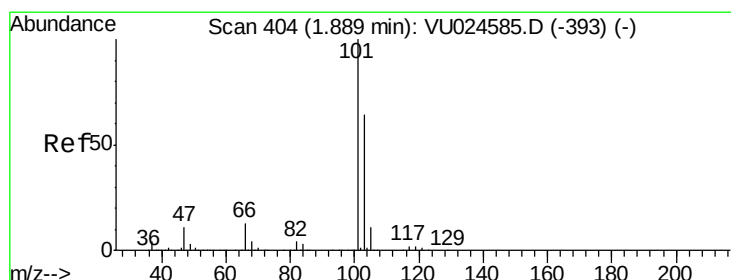
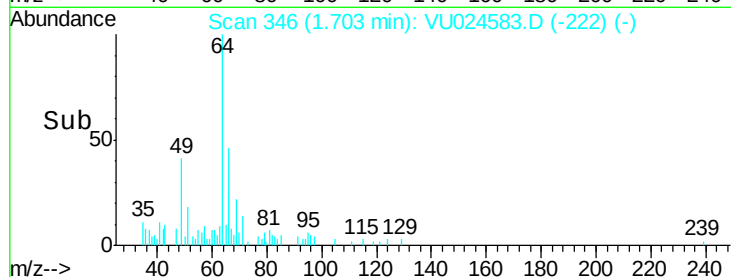
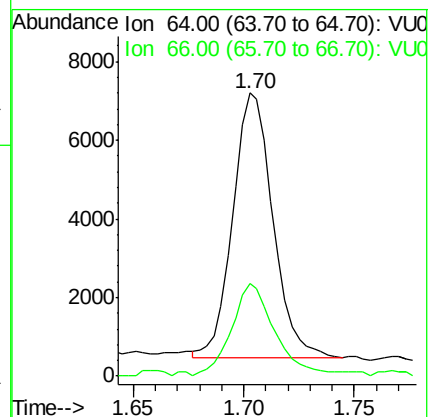
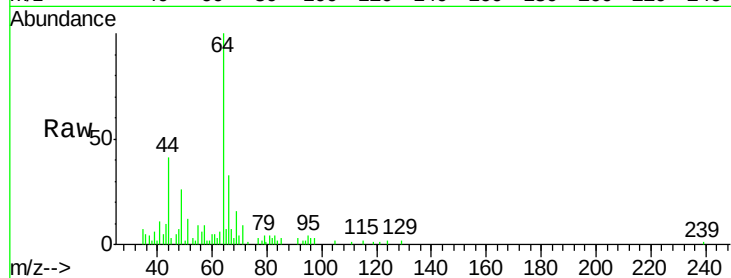
VSTD00540

Tgt Ion: 64 Resp: 8451

Ion Ratio Lower Upper

64 100

66 32.8 22.7 42.3



#9

Trichlorofluoromethane

Concen: 5.695 ug/L

RT: 1.89 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU024583.D

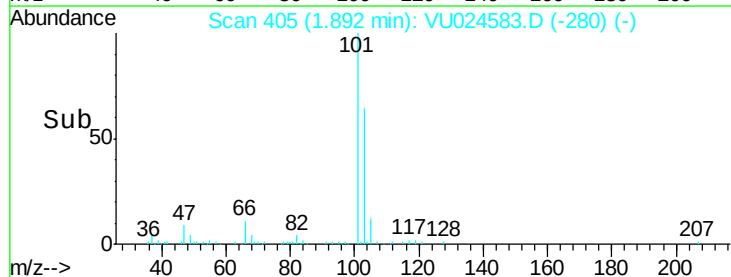
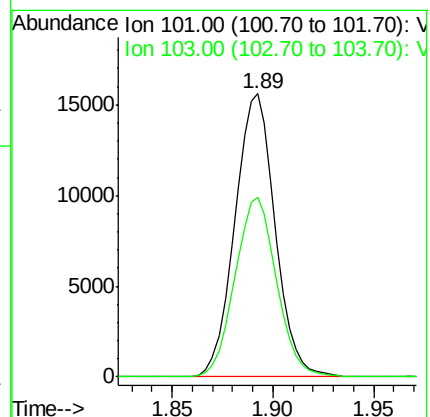
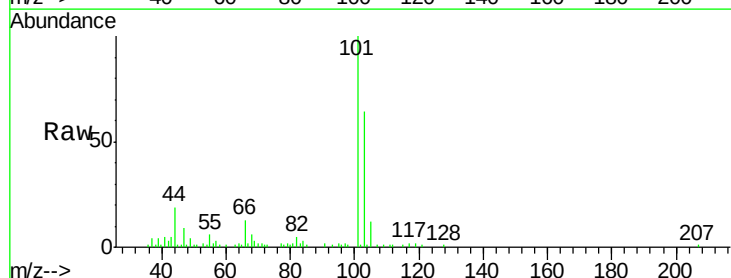
Acq: 15 Jun 2018 10:11

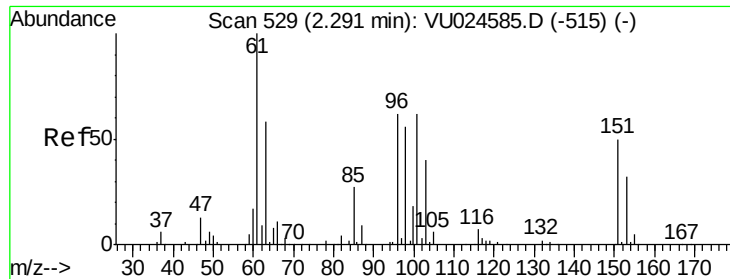
Tgt Ion: 101 Resp: 21825

Ion Ratio Lower Upper

101 100

103 65.5 51.8 77.6





#10

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

Concen: 5.789 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

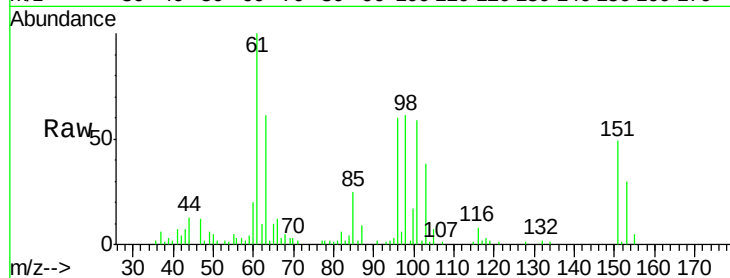
Tgt Ion:101 Resp: 12584

Ion Ratio Lower Upper

101 100

85 46.5 35.2 52.8

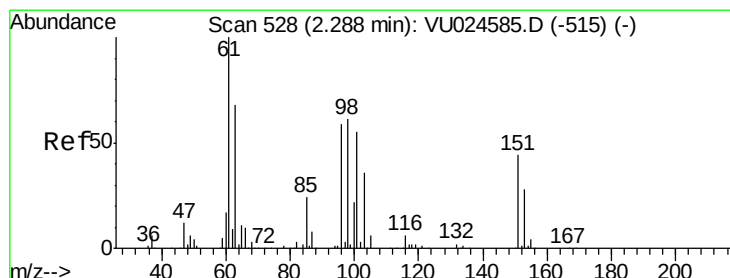
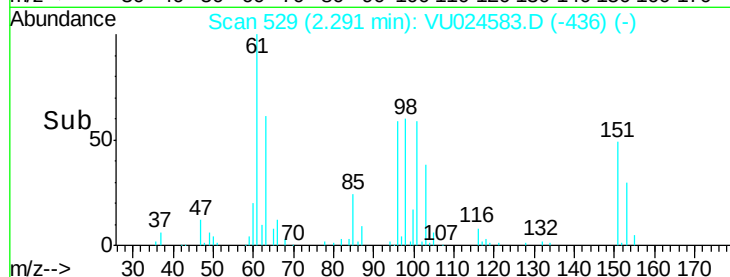
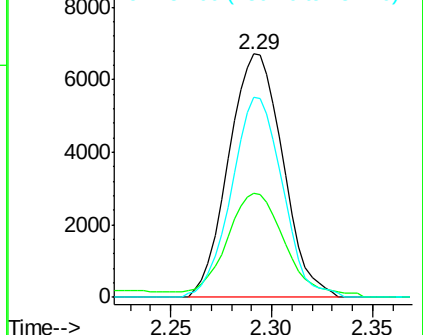
151 77.6 64.6 97.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.486 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

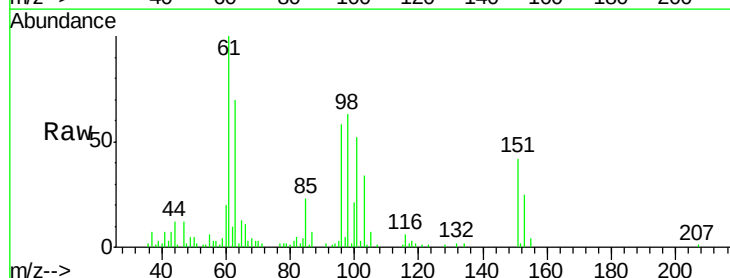
Tgt Ion: 96 Resp: 10924

Ion Ratio Lower Upper

96 100

61 173.5 117.9 218.9

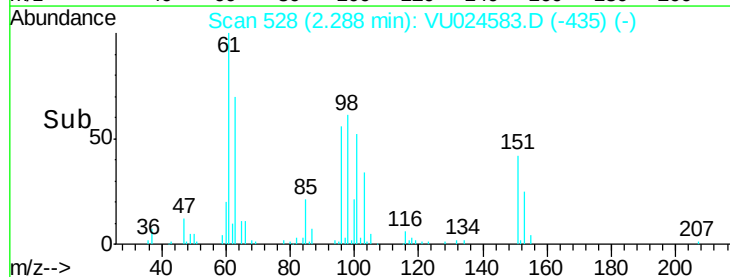
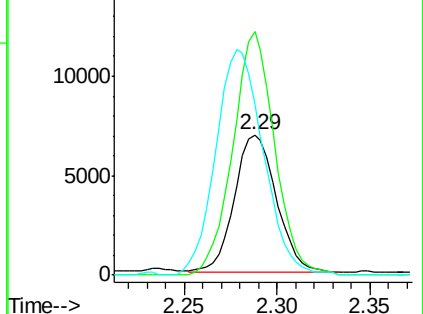
63 121.4 81.4 151.2

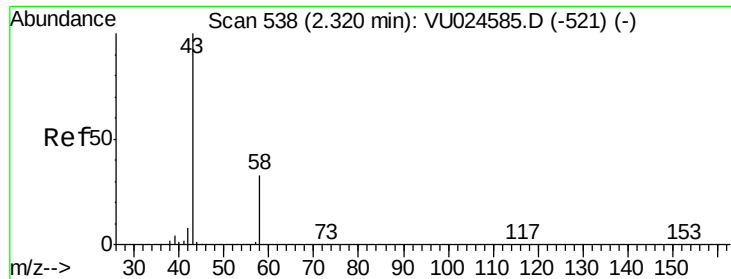


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.180 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

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Acq: 15 Jun 2018 10:11

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MSVOA_U

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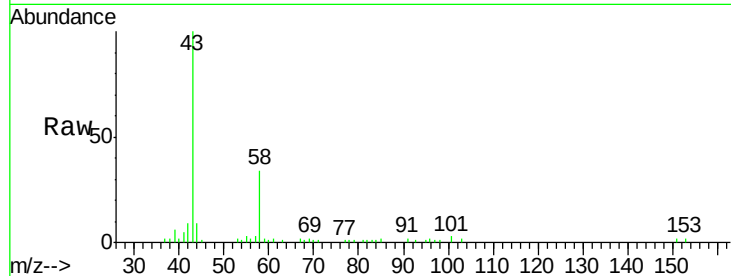
VSTD00540

Tgt Ion: 43 Resp: 21044

Ion Ratio Lower Upper

43 100

58 36.9 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

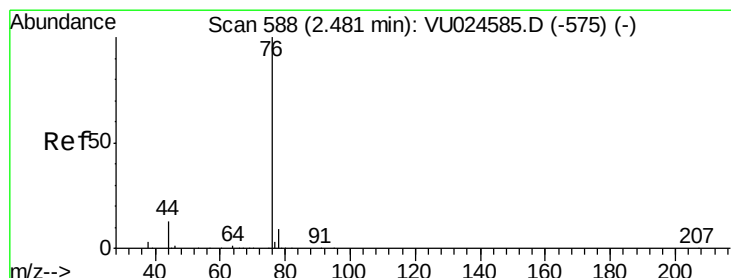
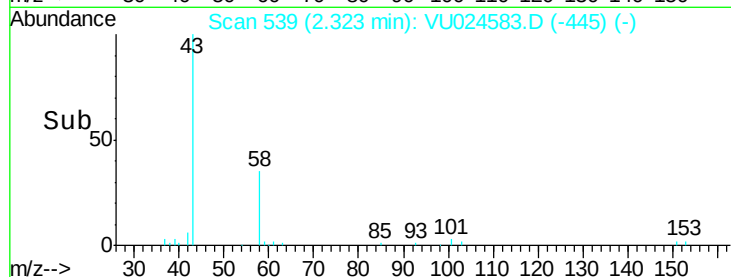
15000

10000

5000

0

Time--> 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 5.696 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024583.D

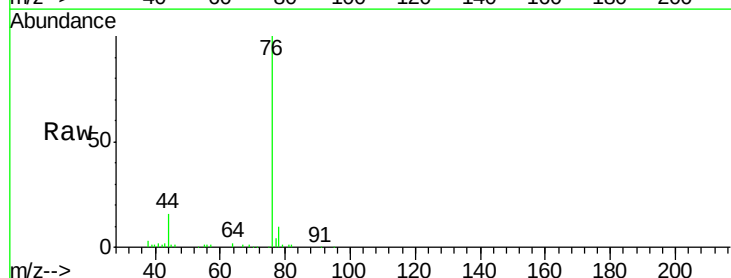
Acq: 15 Jun 2018 10:11

Tgt Ion: 76 Resp: 37166

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

25000

20000

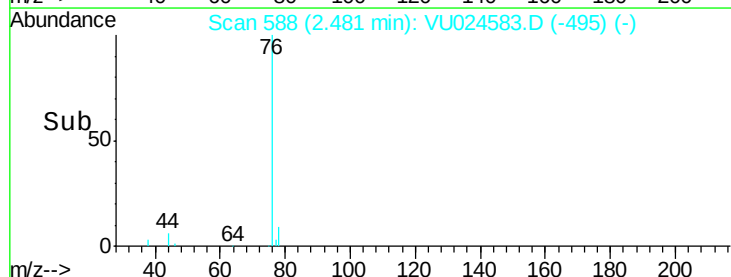
15000

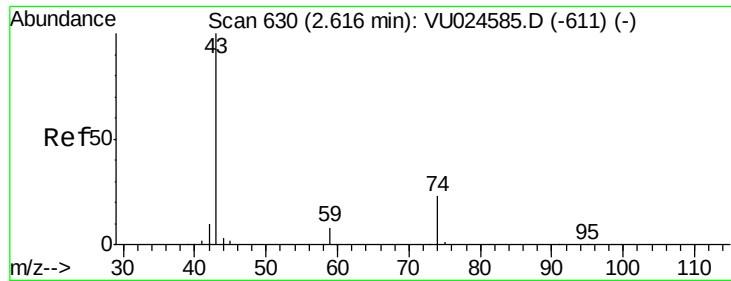
10000

5000

0

Time--> 2.45 2.50 2.55

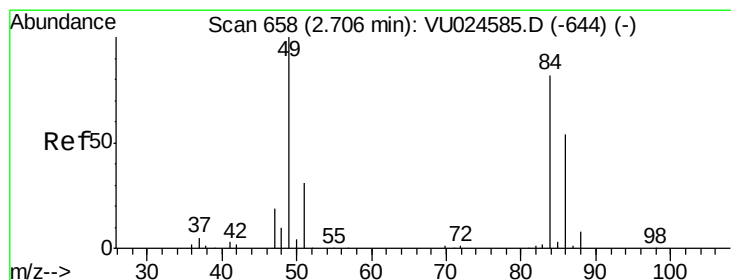
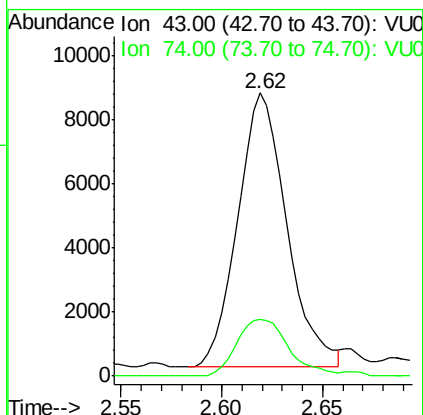
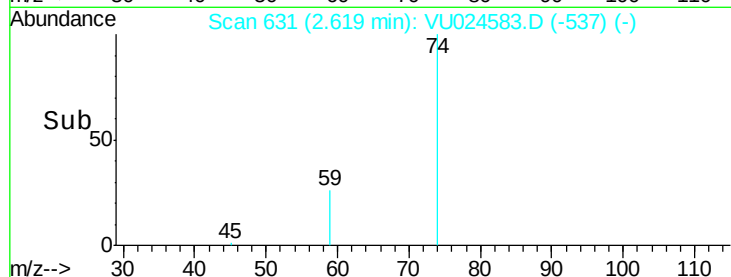
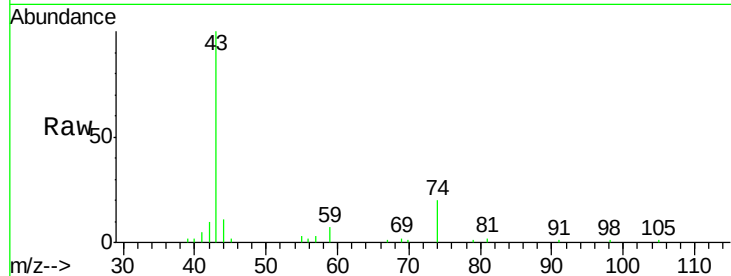




#15
Methyl Acetate
Concen: 5.492 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU024583.D
Acq: 15 Jun 2018 10:11

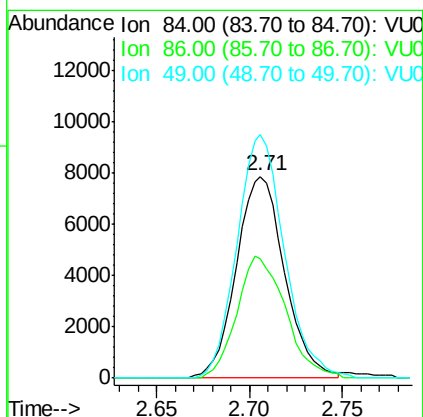
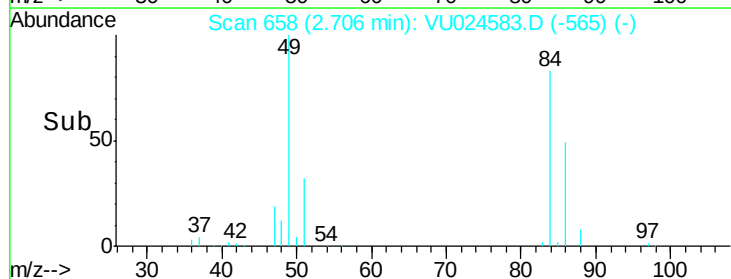
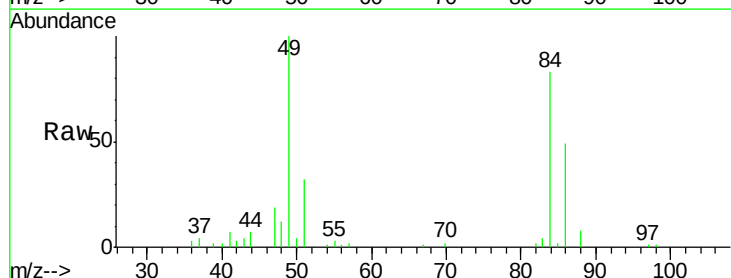
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

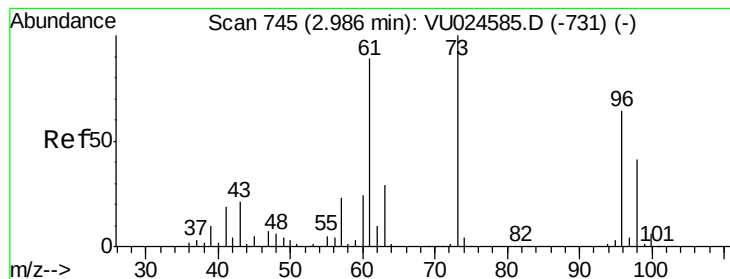
Tgt Ion: 43 Resp: 14542
Ion Ratio Lower Upper
43 100
74 22.0 18.4 27.6



#16
Methylene chloride
Concen: 5.825 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024583.D
Acq: 15 Jun 2018 10:11

Tgt Ion: 84 Resp: 14264
Ion Ratio Lower Upper
84 100
86 59.0 46.1 85.7
49 120.6 85.5 158.9





#17

trans-1,2-Dichloroethene

Concen: 5.838 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

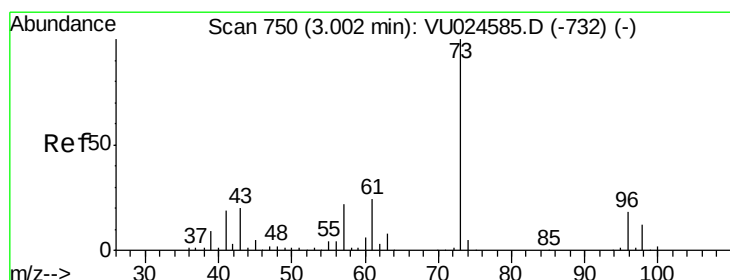
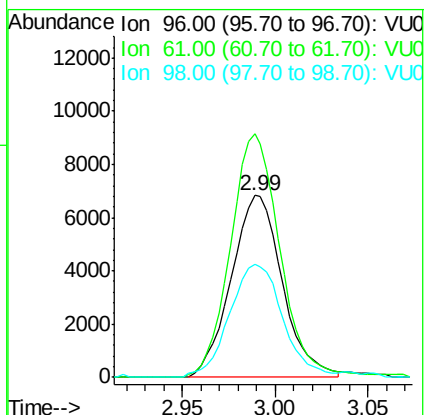
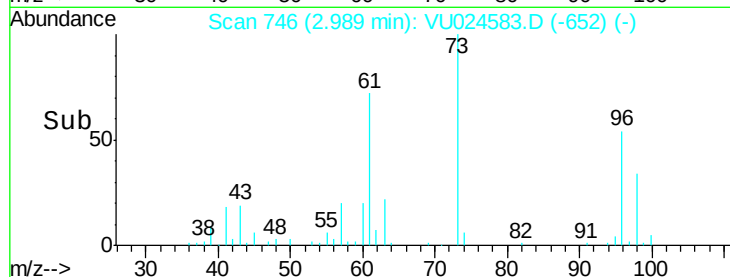
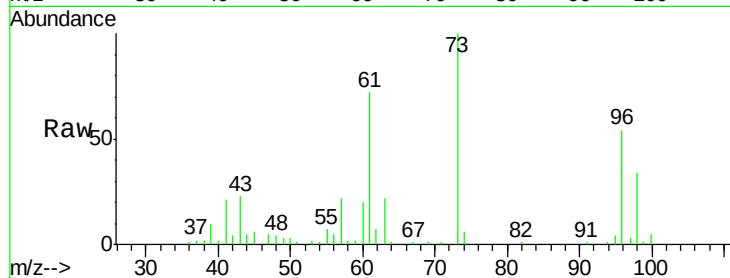
Tgt Ion: 96 Resp: 13116

Ion Ratio Lower Upper

96 100

61 133.9 97.4 180.8

98 62.5 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 5.608 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

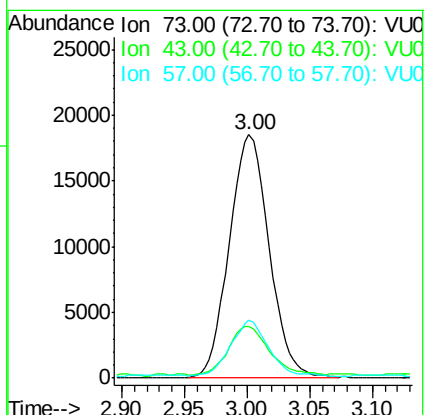
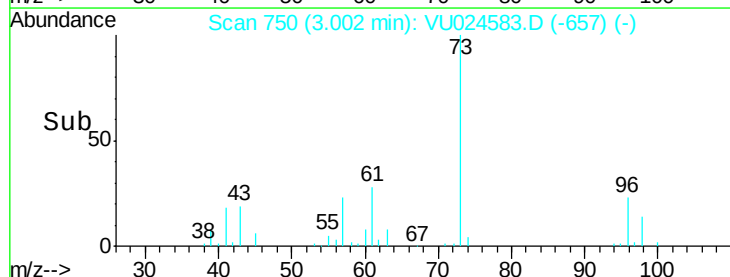
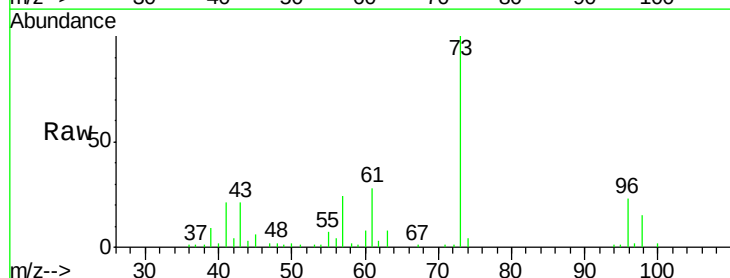
Tgt Ion: 73 Resp: 40973

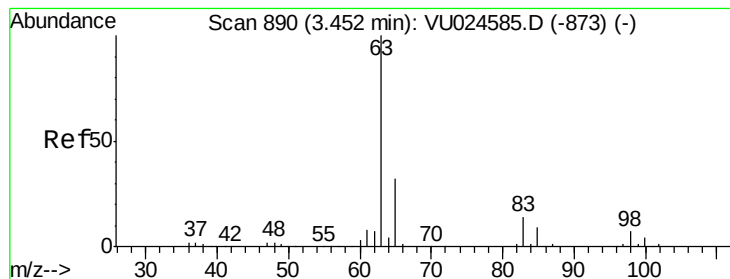
Ion Ratio Lower Upper

73 100

43 19.9 16.4 24.6

57 21.2 17.9 26.9





#19

1,1-Dichloroethane

Concen: 5.507 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

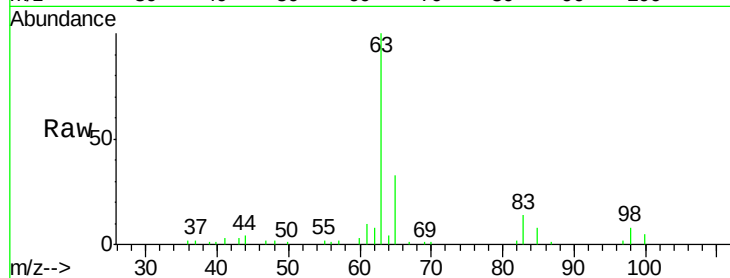
Tgt Ion: 63 Resp: 22778

Ion Ratio Lower Upper

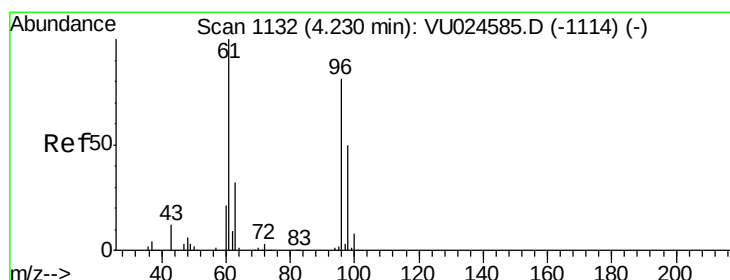
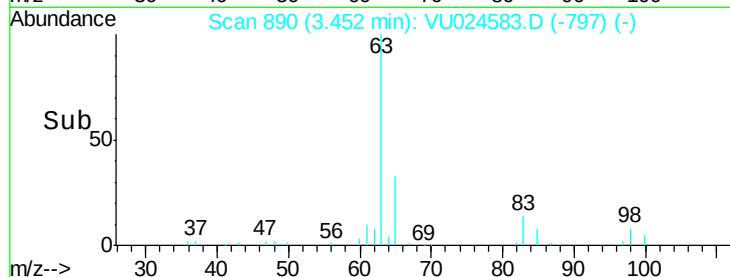
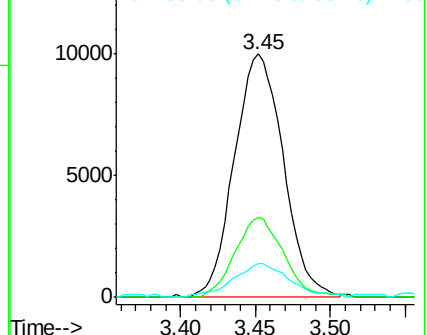
63 100

65 32.9 22.2 41.2

83 14.1 10.1 18.9



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



#20

cis-1,2-Dichloroethene

Concen: 5.737 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

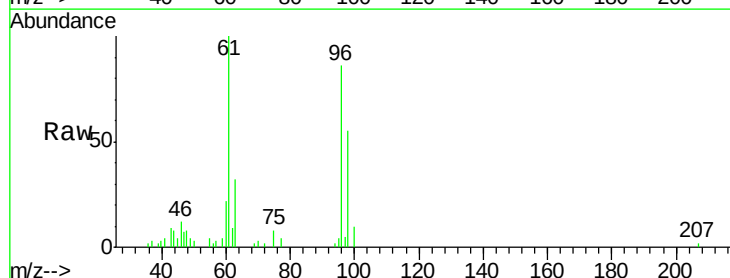
Tgt Ion: 96 Resp: 15027

Ion Ratio Lower Upper

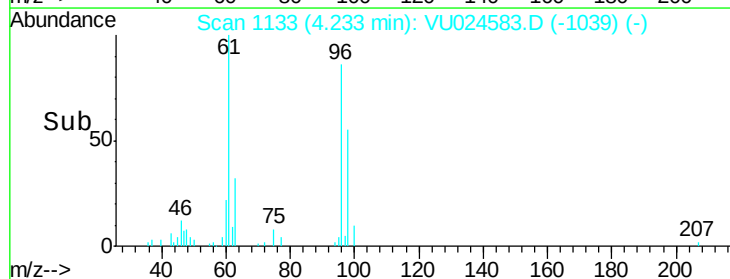
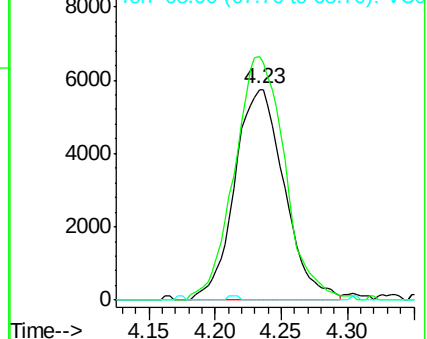
96 100

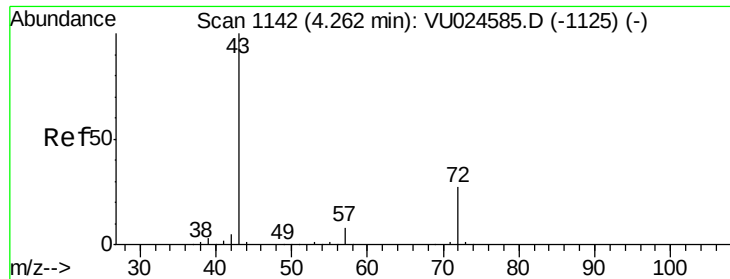
61 115.8 87.1 161.7

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 11.321 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

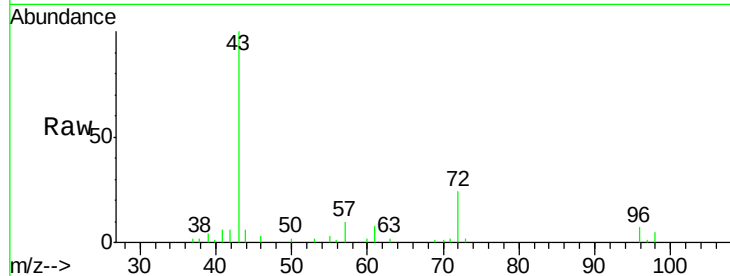
VSTD00540

Tgt Ion: 43 Resp: 24926

Ion Ratio Lower Upper

43 100

72 11.4 13.1 39.3#

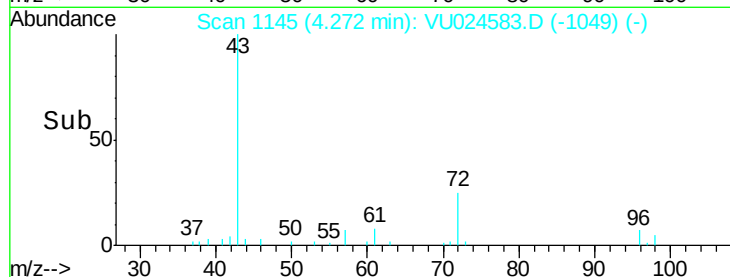


Abundance Ion 43.00 (42.70 to 43.70): VU024583.D (-1145) (-)

Ion 72.00 (71.70 to 72.70): VU024583.D (-1145) (-)

4.27

Time-->



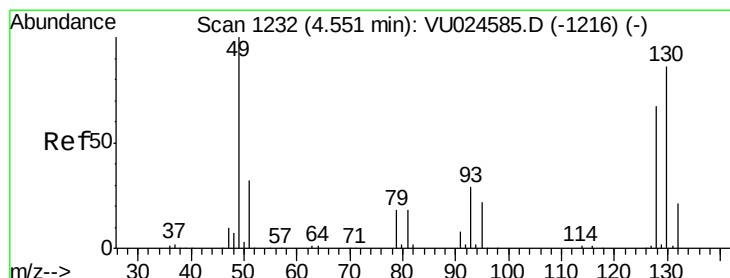
Abundance

Ion 43.00 (42.70 to 43.70): VU024583.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU024583.D (-1049) (-)

4.27

Time-->



#23

Bromochloromethane

Concen: 5.475 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Tgt Ion: 128 Resp: 7194

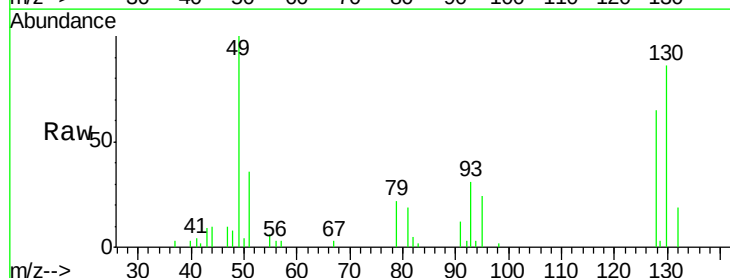
Ion Ratio Lower Upper

128 100

49 148.1 104.7 194.5

130 127.7 90.2 167.6

51 53.6 38.4 57.6



Abundance Ion 128.00 (127.70 to 128.70): VU024583.D (-1233) (-)

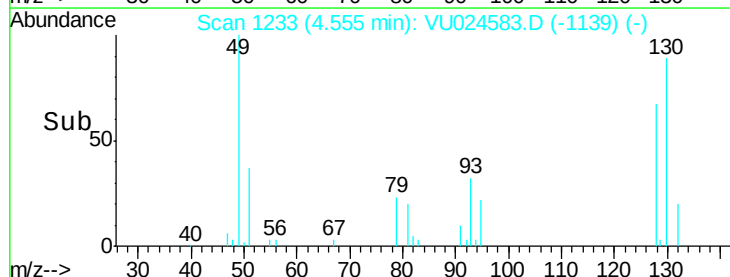
Ion 49.00 (48.70 to 49.70): VU024583.D (-1233) (-)

Ion 130.00 (129.70 to 130.70): VU024583.D (-1233) (-)

Ion 51.00 (50.70 to 51.70): VU024583.D (-1233) (-)

4.55

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VU024583.D (-1139) (-)

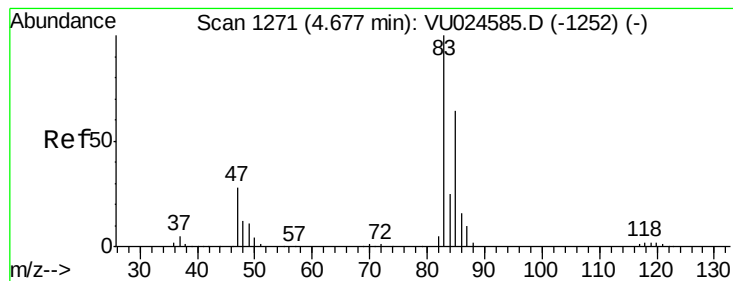
Ion 49.00 (48.70 to 49.70): VU024583.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU024583.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU024583.D (-1139) (-)

4.55

Time-->



#25

Chloroform

Concen: 5.605 ug/L

RT: 4.68 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

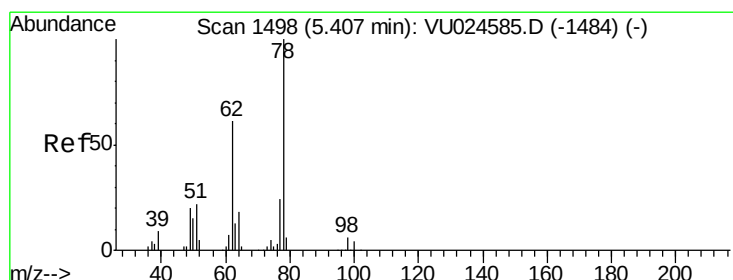
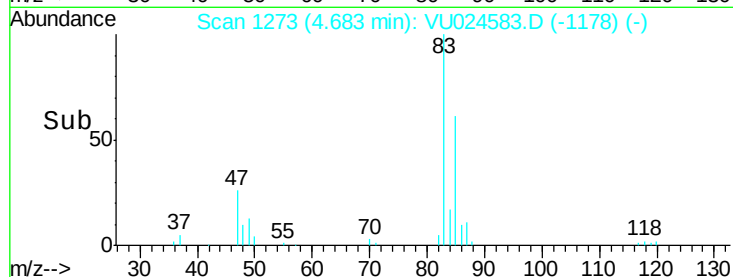
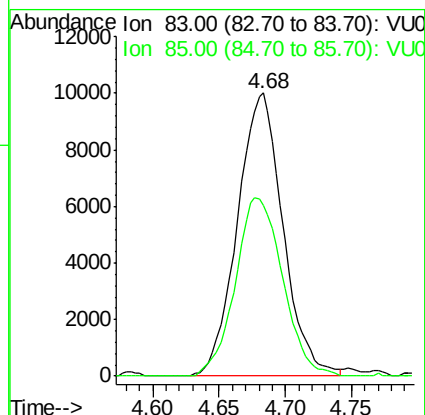
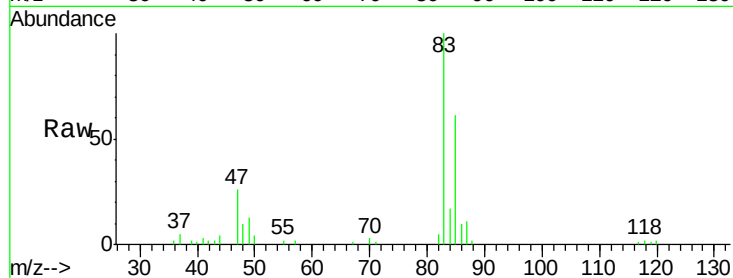
VSTD00540

Tgt Ion: 83 Resp: 23910

Ion Ratio Lower Upper

83 100

85 60.5 44.4 82.5



#27

1,2-Dichloroethane

Concen: 5.418 ug/L

RT: 5.41 min Scan# 1500

Delta R.T. 0.01 min

Lab File: VU024583.D

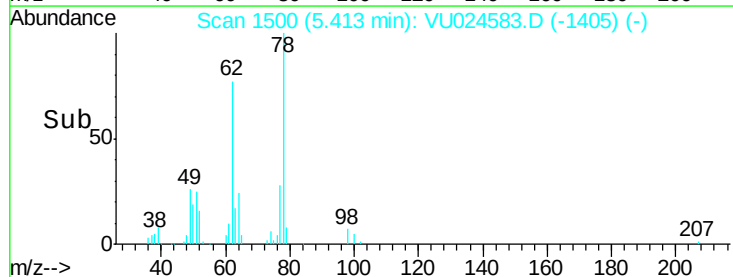
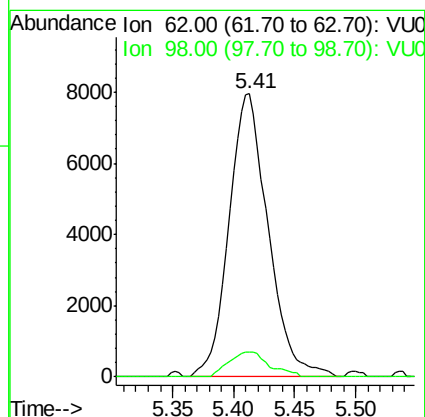
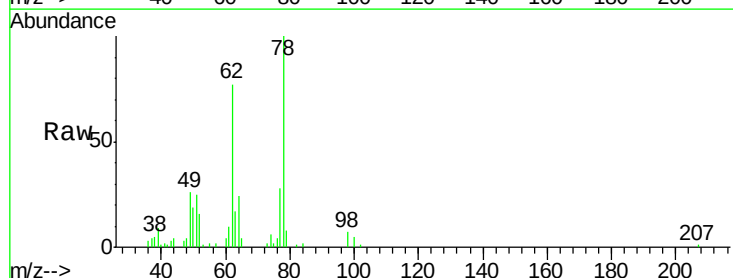
Acq: 15 Jun 2018 10:11

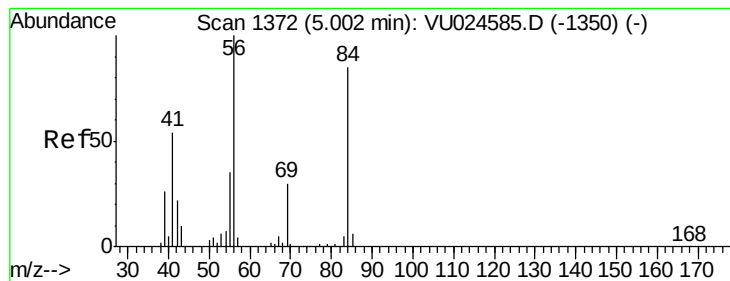
Tgt Ion: 62 Resp: 17814

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.2





#29

Cyclohexane

Concen: 5.499 ug/L

RT: 5.00 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

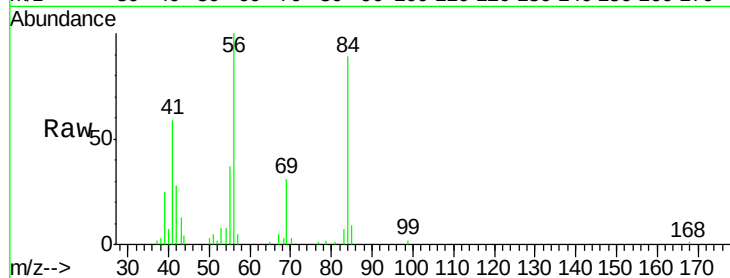
Tgt Ion: 56 Resp: 21119

Ion Ratio Lower Upper

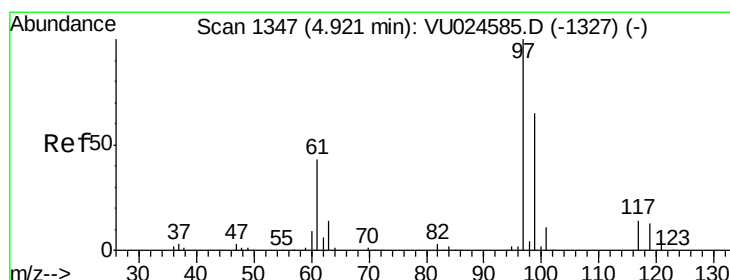
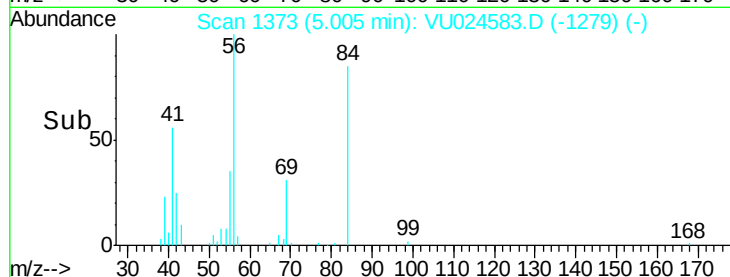
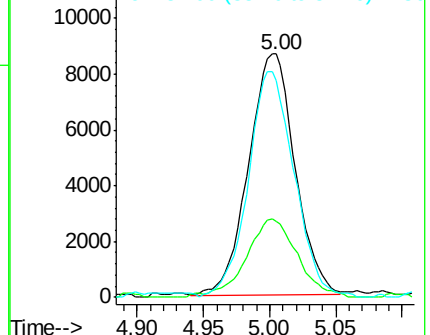
56 100

69 35.2 24.7 37.1

84 92.3 68.8 103.2



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



#30

1,1,1-Trichloroethane

Concen: 5.589 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

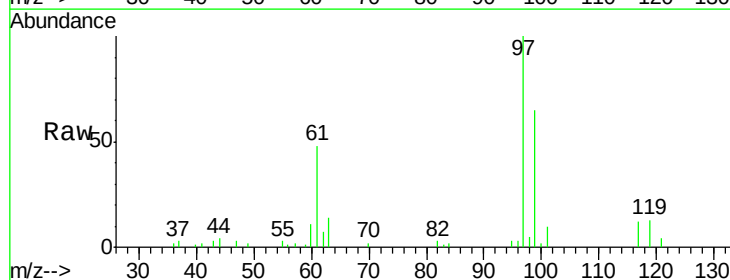
Tgt Ion: 97 Resp: 20973

Ion Ratio Lower Upper

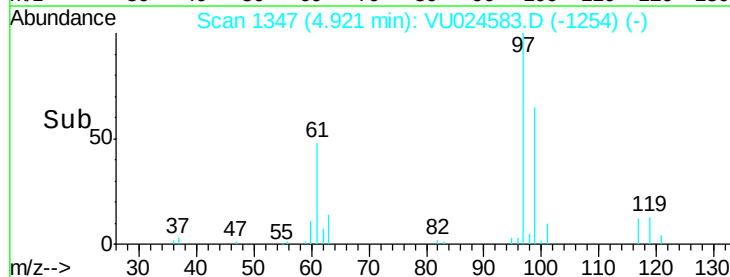
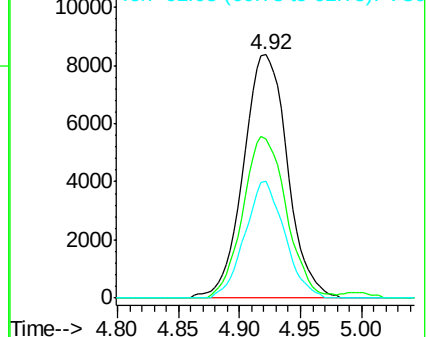
97 100

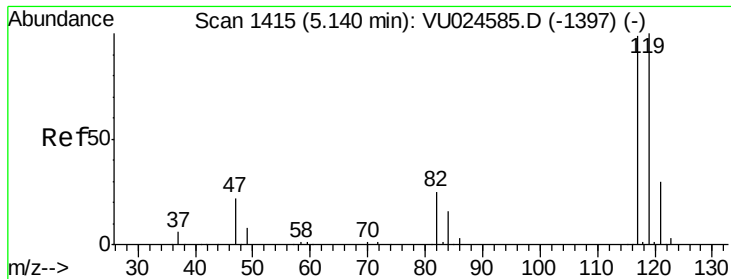
99 65.5 51.4 77.0

61 43.1 33.8 50.8



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





#31

Carbon tetrachloride

Concen: 5.577 ug/L

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

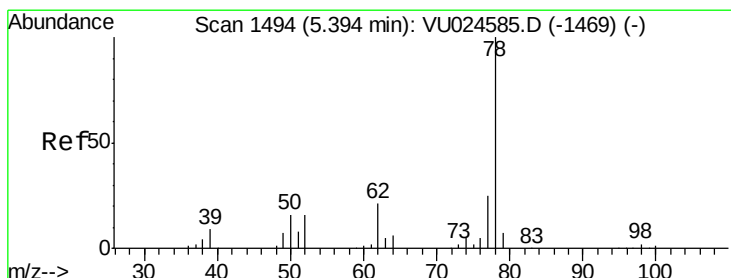
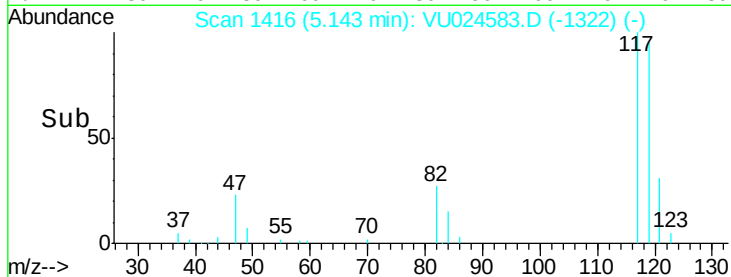
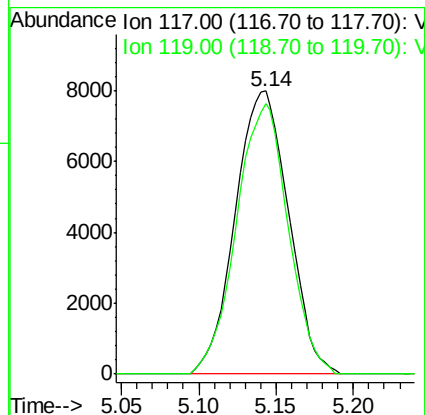
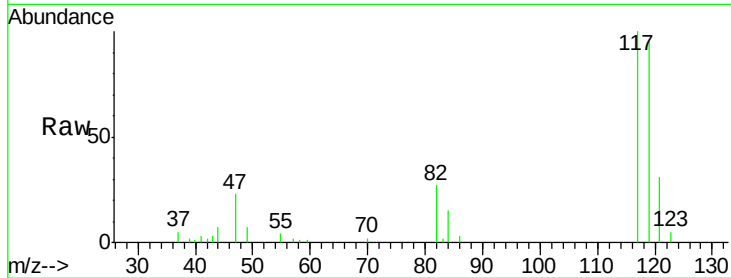
VSTD00540

Tgt Ion:117 Resp: 19157

Ion Ratio Lower Upper

117 100

119 92.6 77.7 116.5



#33

Benzene

Concen: 5.541 ug/L

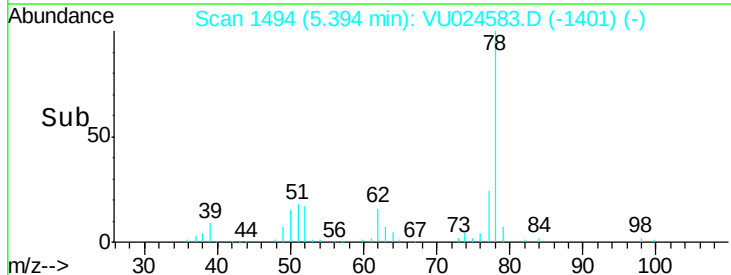
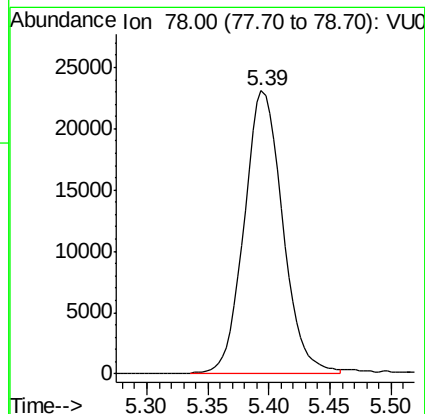
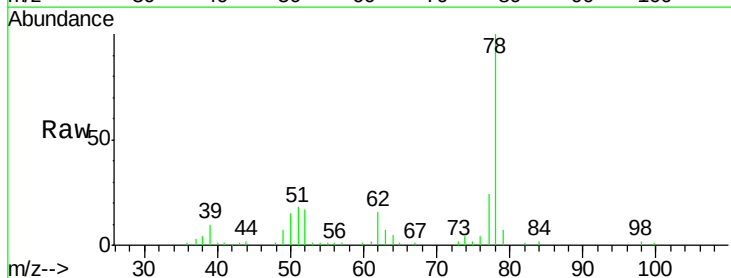
RT: 5.39 min Scan# 1494

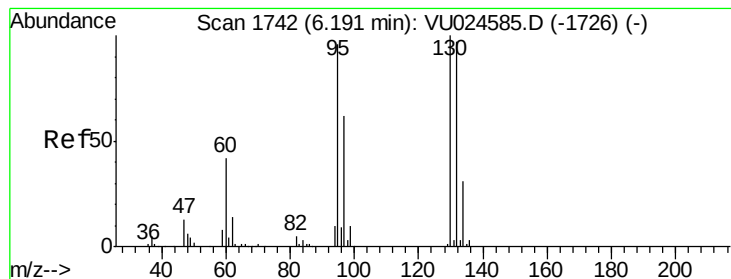
Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Tgt Ion: 78 Resp: 50442





#34

Trichloroethene

Concen: 5.698 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

Tgt Ion: 95 Resp: 14336

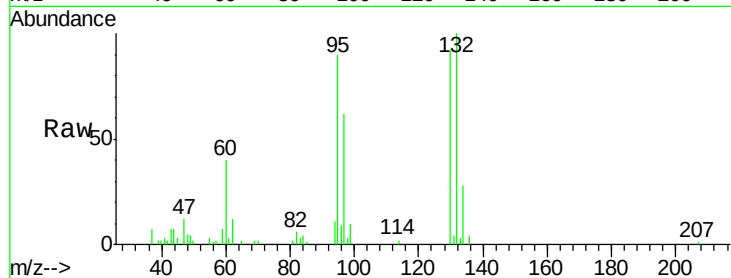
Ion Ratio Lower Upper

95 100

97 68.5 44.8 83.2

132 111.1 70.4 130.8

130 102.2 72.6 134.8

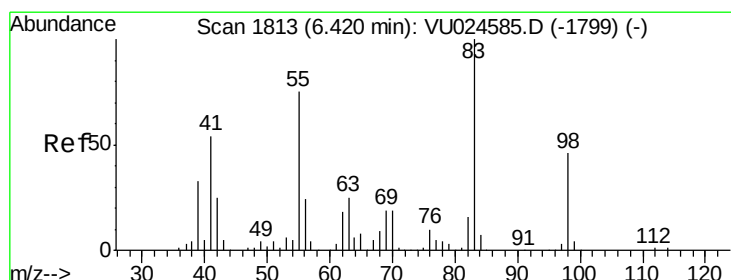
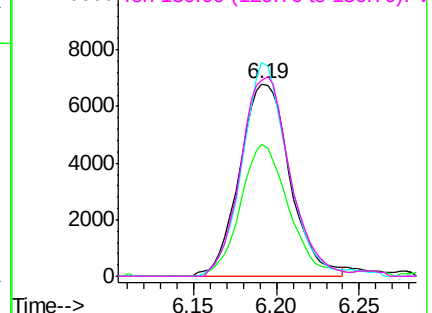
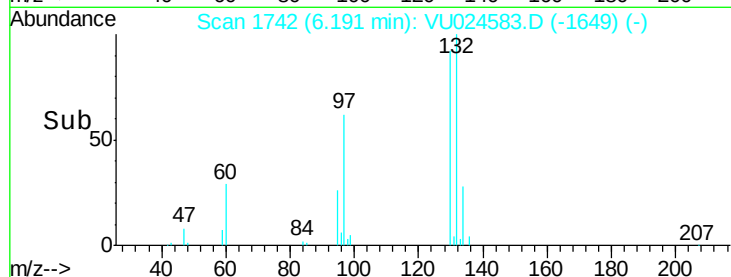


Abundance Ion 95.00 (94.70 to 95.70): VU024583.D (-1726) (-)

Ion 97.00 (96.70 to 97.70): VU024583.D (-1726) (-)

Ion 132.00 (131.70 to 132.70): VU024583.D (-1726) (-)

Ion 130.00 (129.70 to 130.70): VU024583.D (-1726) (-)



#35

Methylcyclohexane

Concen: 5.687 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

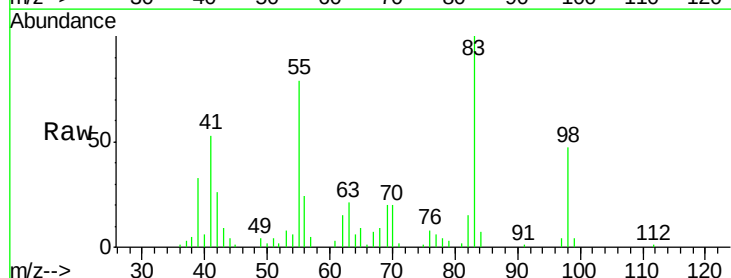
Tgt Ion: 83 Resp: 23002

Ion Ratio Lower Upper

83 100

55 75.2 59.4 89.0

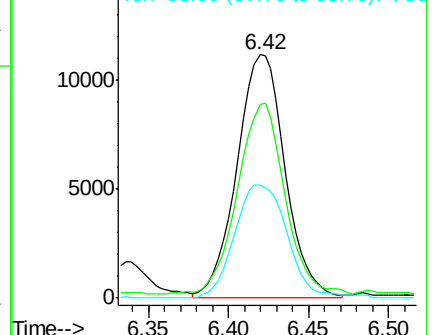
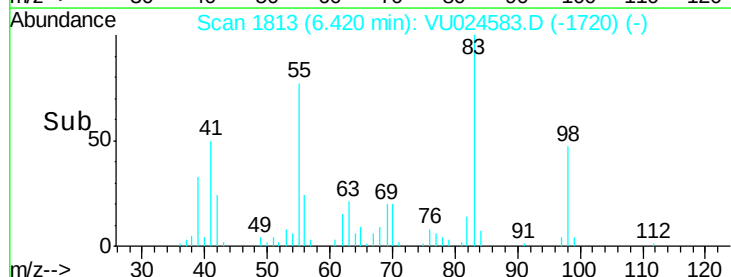
98 50.7 37.6 56.4

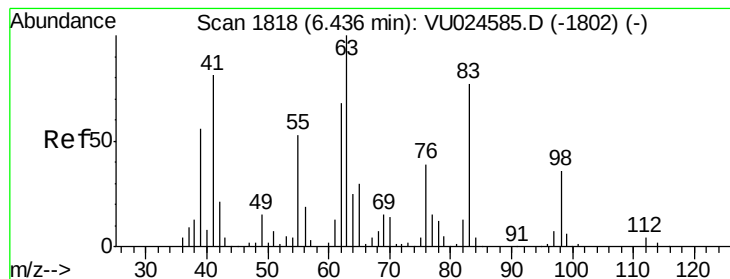


Abundance Ion 83.00 (82.70 to 83.70): VU024583.D (-1720) (-)

Ion 55.00 (54.70 to 55.70): VU024583.D (-1720) (-)

Ion 98.00 (97.70 to 98.70): VU024583.D (-1720) (-)





#37

1,2-Dichloropropane

Concen: 5.525 ug/L

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

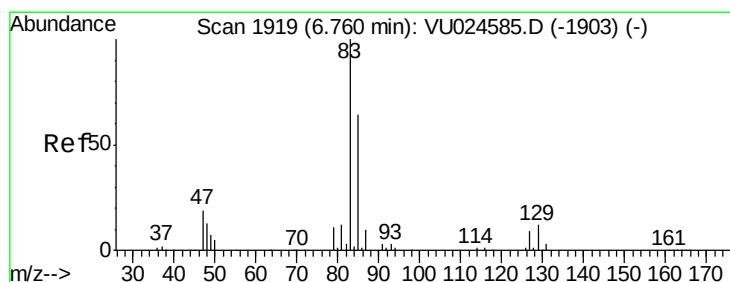
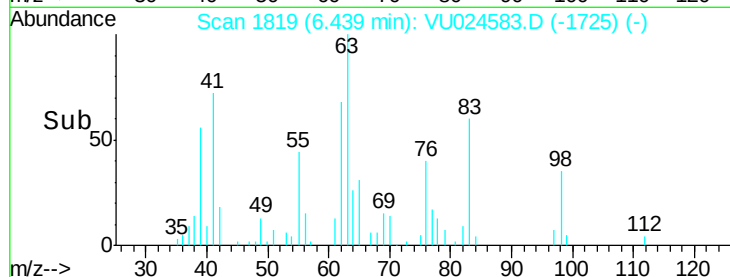
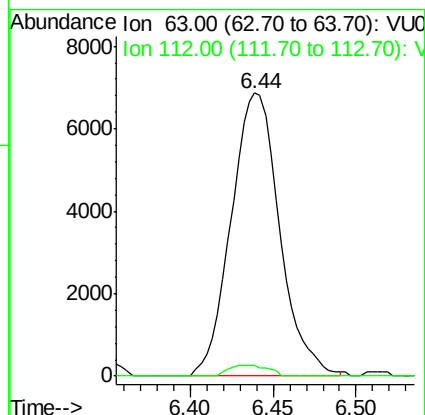
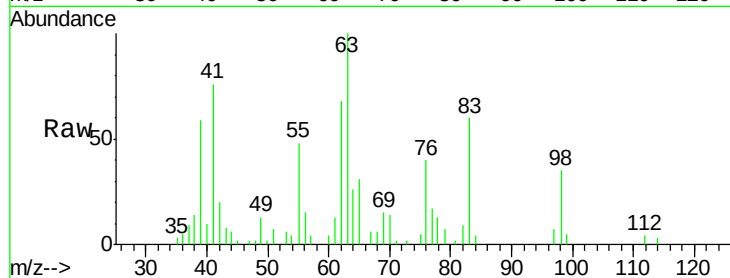
VSTD00540

Tgt Ion: 63 Resp: 13981

Ion Ratio Lower Upper

63 100

112 3.1 3.1 4.7#



#38

Bromodichloromethane

Concen: 5.476 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

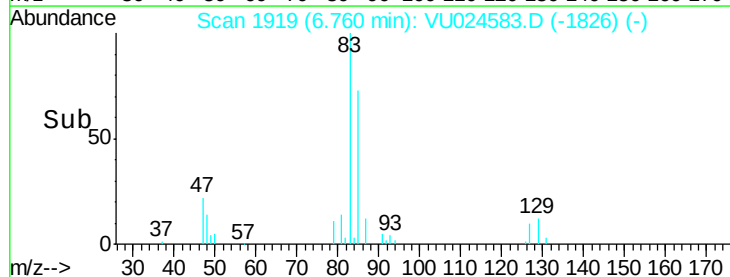
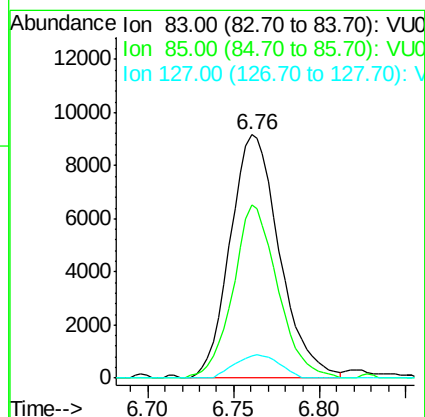
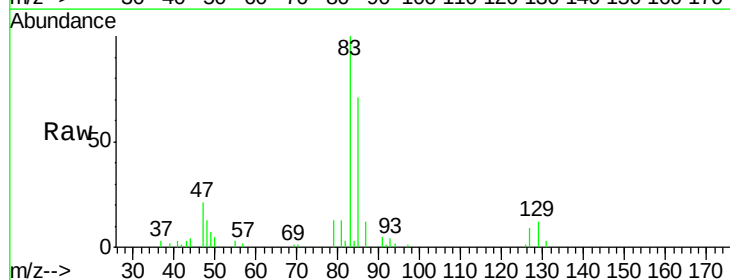
Tgt Ion: 83 Resp: 18264

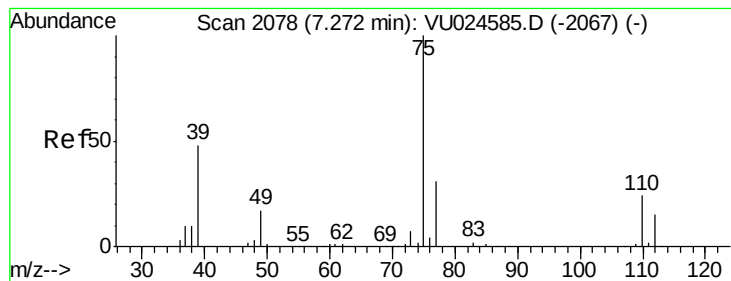
Ion Ratio Lower Upper

83 100

85 71.2 44.9 83.3

127 9.2 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 5.597 ug/L

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

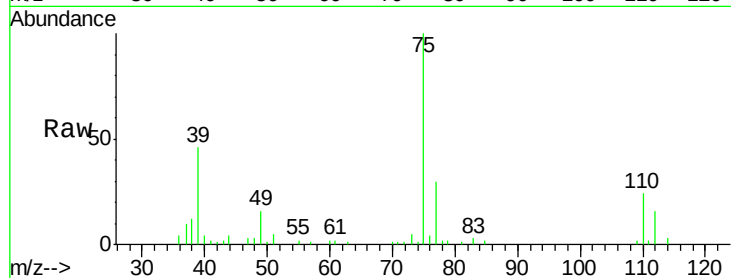
VSTD00540

Tgt Ion: 75 Resp: 22203

Ion Ratio Lower Upper

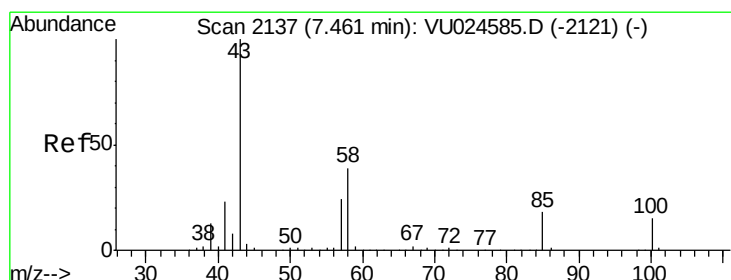
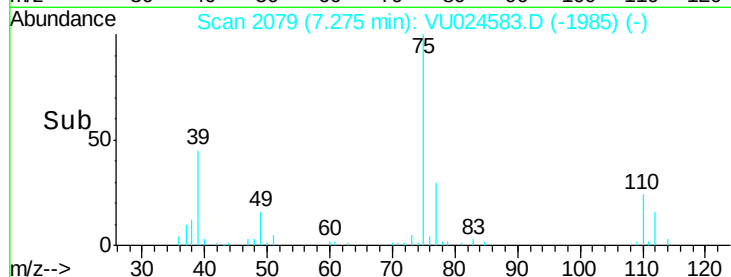
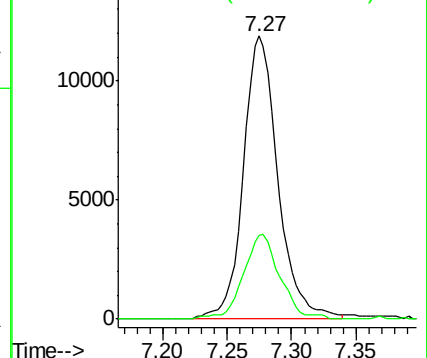
75 100

77 29.7 22.2 41.2



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: 10.708 ug/L

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

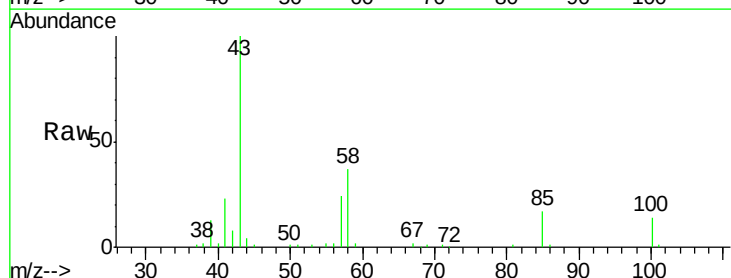
Tgt Ion: 43 Resp: 40235

Ion Ratio Lower Upper

43 100

58 39.1 31.0 46.6

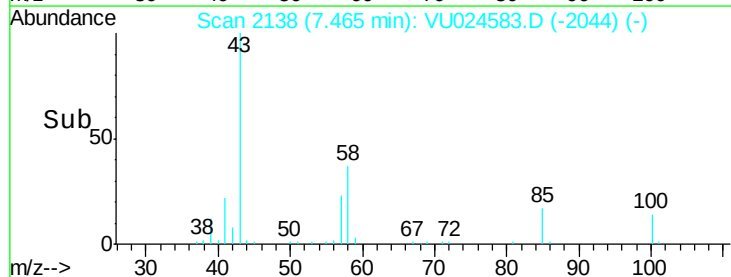
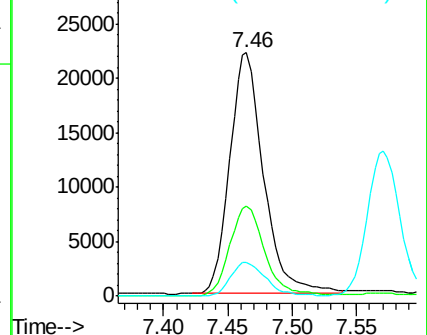
100 14.5 12.0 18.0

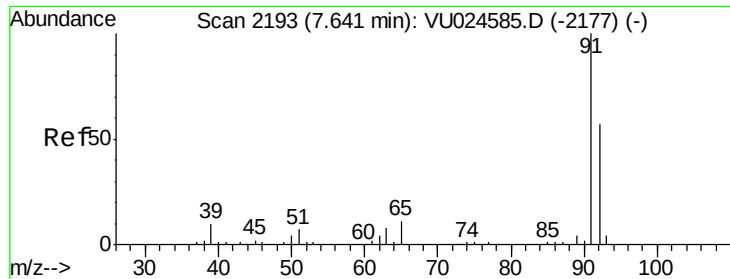


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 5.522 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

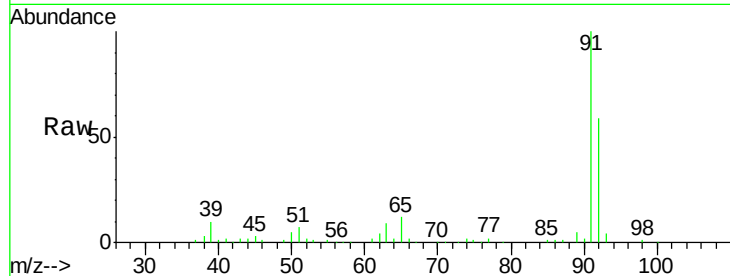
VSTD00540

Tgt Ion: 91 Resp: 55867

Ion Ratio Lower Upper

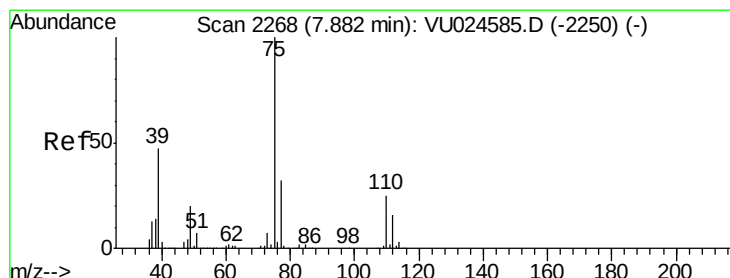
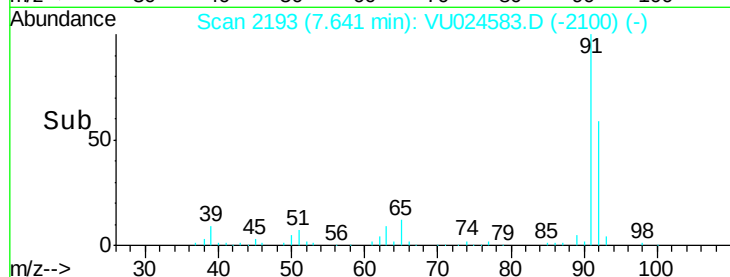
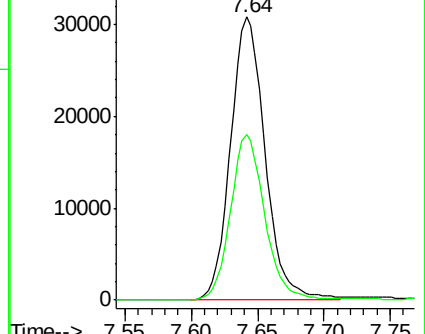
91 100

92 58.6 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: 5.155 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU024583.D

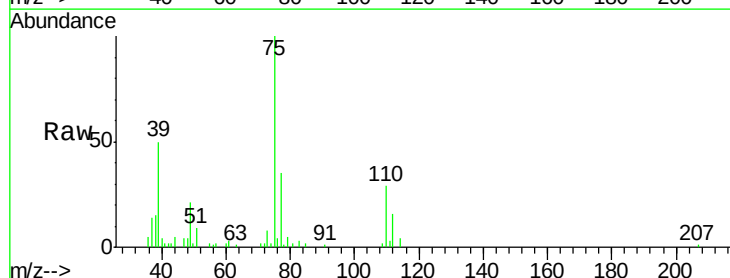
Acq: 15 Jun 2018 10:11

Tgt Ion: 75 Resp: 18699

Ion Ratio Lower Upper

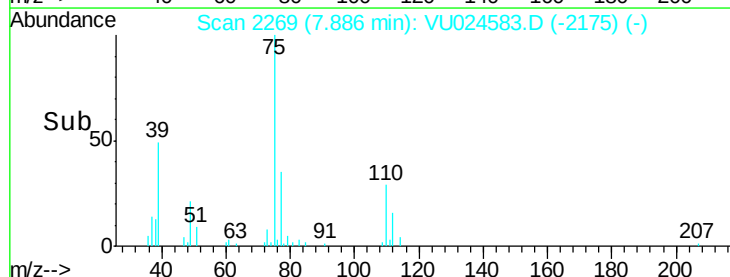
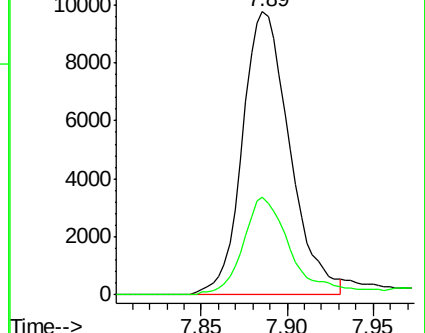
75 100

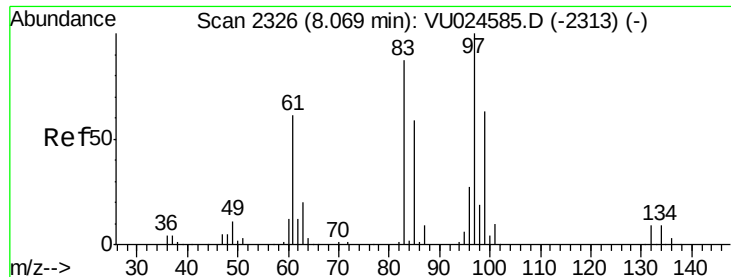
77 34.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

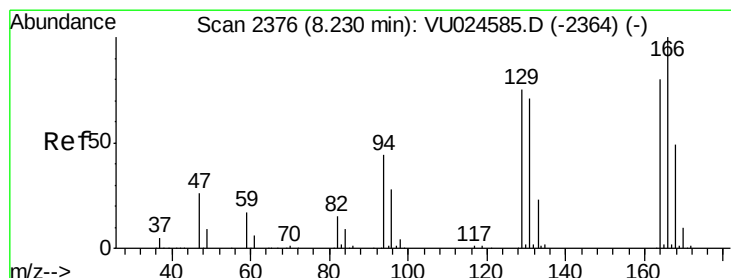
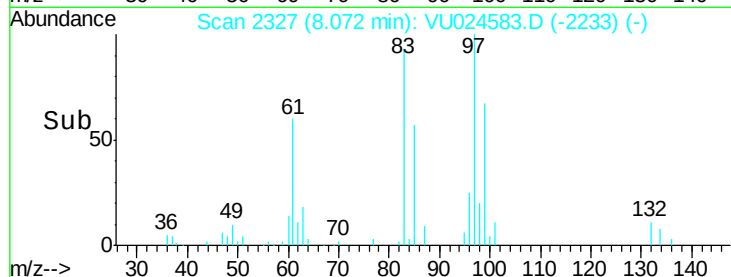
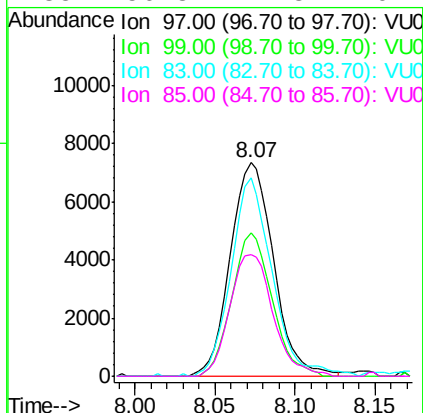
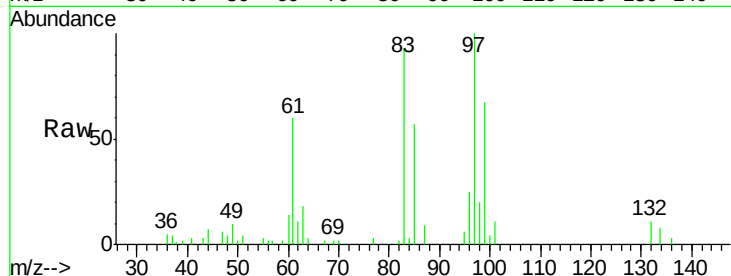




#45
 1,1,2-Trichloroethane
 Concen: 5.683 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

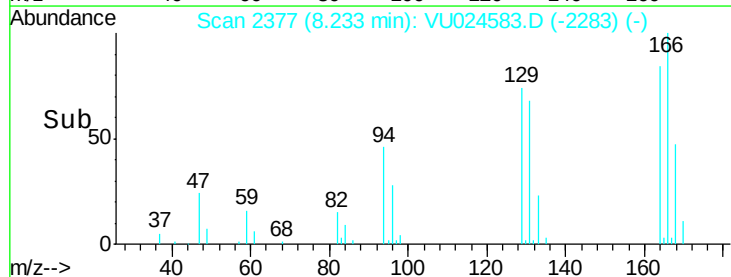
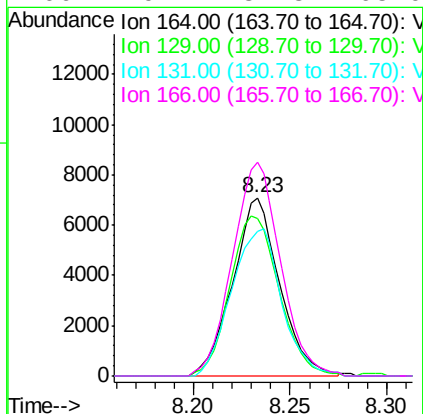
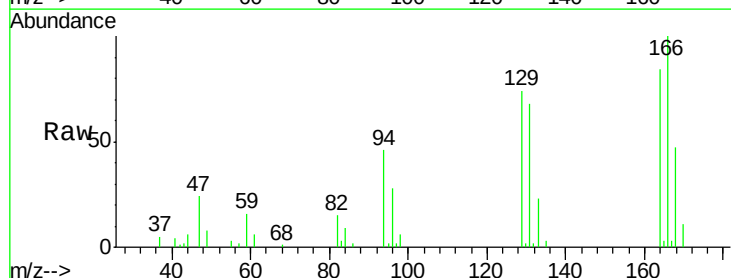
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

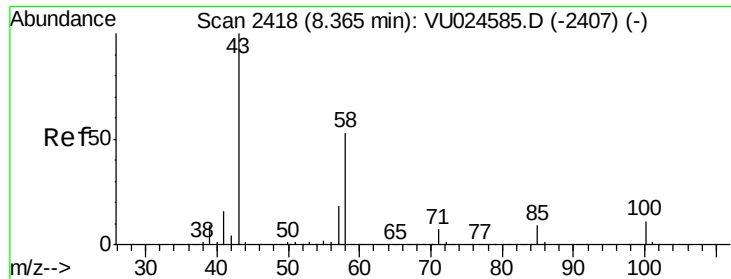
Tgt Ion:	97	Resp:	13531
Ion	Ratio	Lower	Upper
97	100		
99	67.2	44.0	81.8
83	92.7	61.0	113.2
85	56.8	41.3	76.7



#46
 Tetrachloroethene
 Concen: 5.636 ug/L
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

Tgt Ion:	164	Resp:	11936
Ion	Ratio	Lower	Upper
164	100		
129	88.1	65.7	121.9
131	81.2	62.0	115.2
166	119.7	87.8	163.0

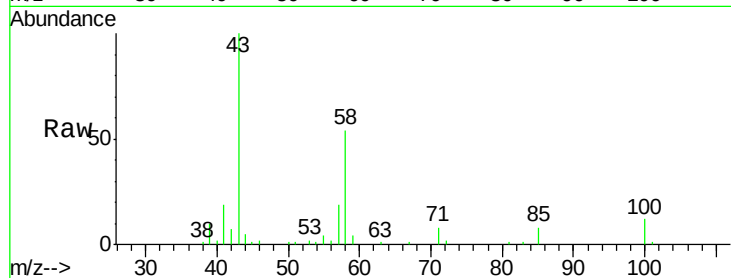




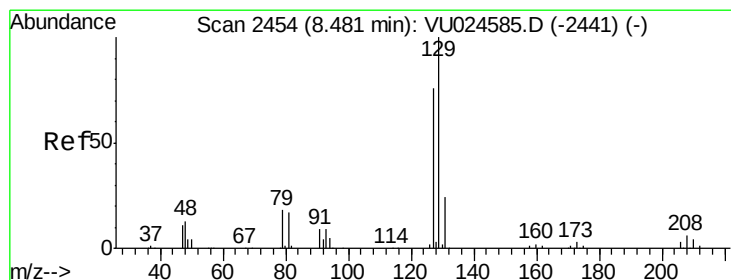
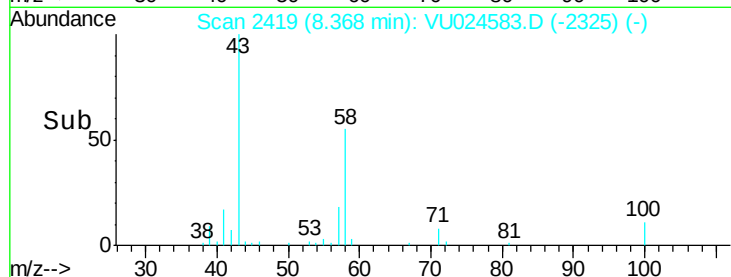
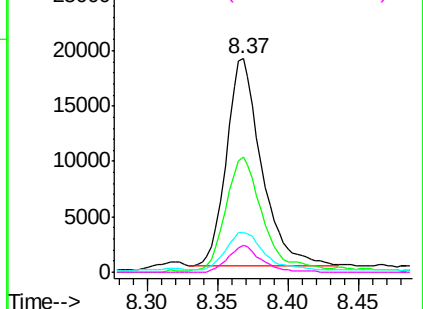
#48
2-Hexanone
Concen: 10.725 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU024583.D
Acq: 15 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

Tgt Ion: 43 Resp: 32746
Ion Ratio Lower Upper
43 100
58 57.9 42.6 63.8
57 19.7 14.7 22.1
100 11.9 9.0 13.4

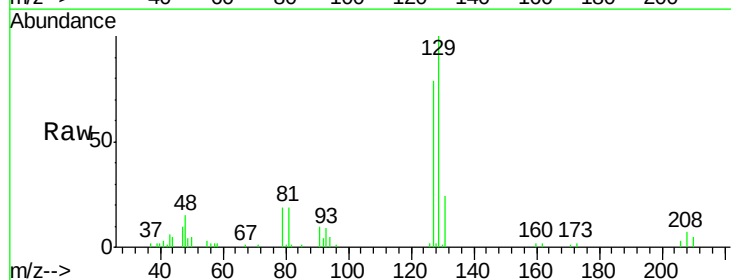


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

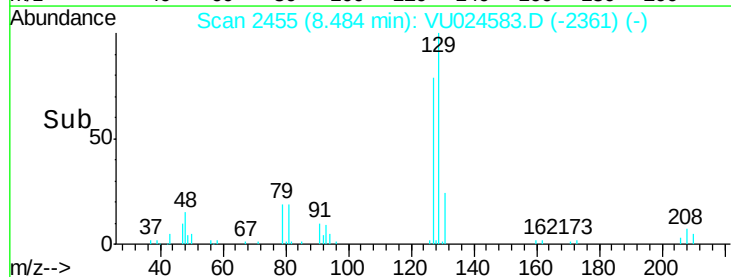
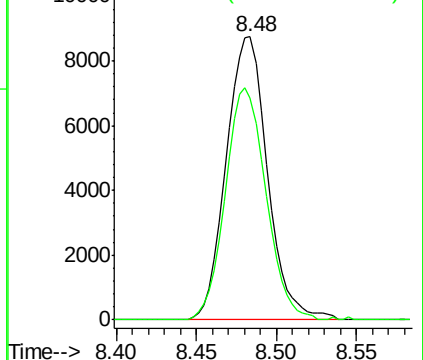


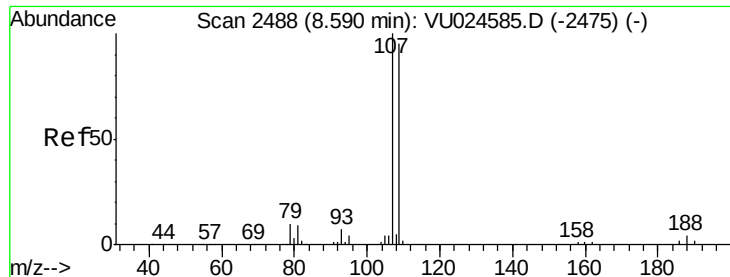
#49
Dibromochloromethane
Concen: 5.282 ug/L
RT: 8.48 min Scan# 2455
Delta R.T. 0.00 min
Lab File: VU024583.D
Acq: 15 Jun 2018 10:11

Tgt Ion: 129 Resp: 15410
Ion Ratio Lower Upper
129 100
127 78.5 52.9 98.3



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

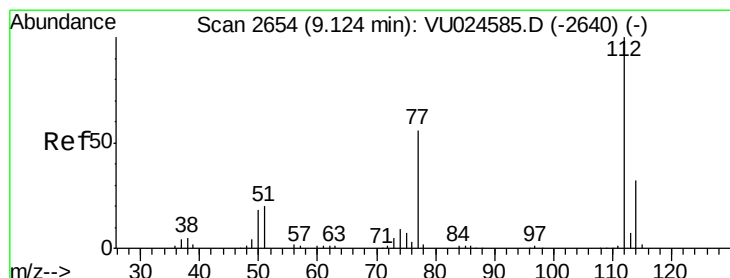
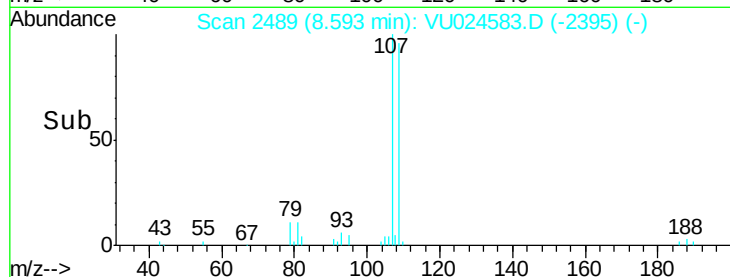
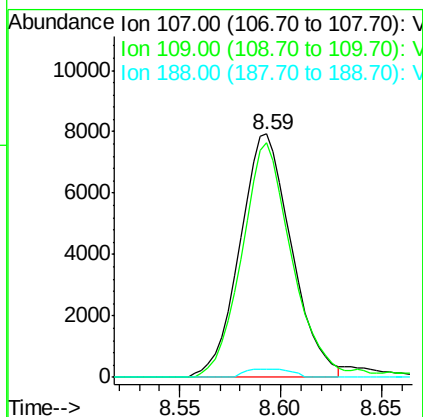
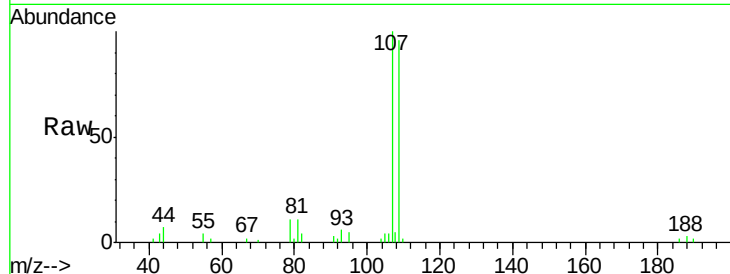




#50
1,2-Dibromoethane
Concen: 5.428 ug/L
RT: 8.59 min Scan# 2489
Delta R.T. 0.00 min
Lab File: VU024583.D
Acq: 15 Jun 2018 10:11

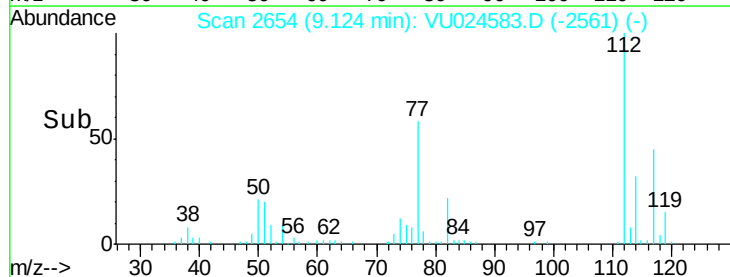
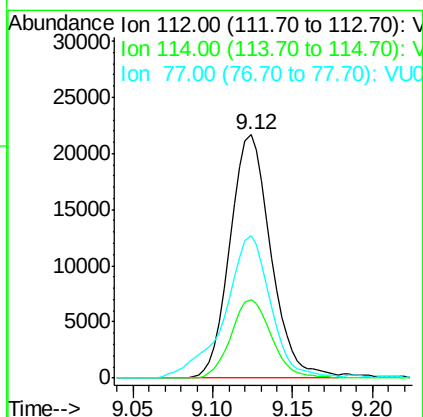
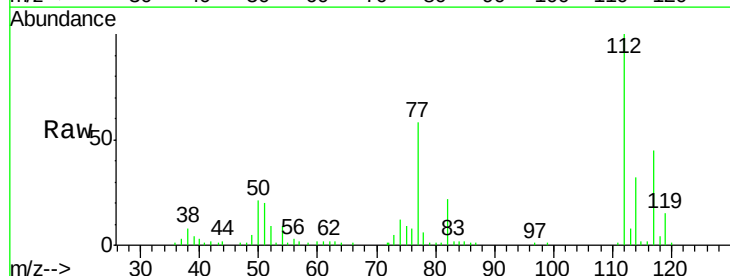
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

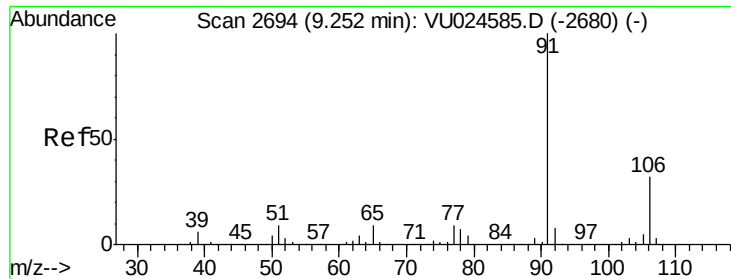
Tgt Ion:107 Resp: 14184
Ion Ratio Lower Upper
107 100
109 96.4 66.6 123.6
188 3.3 3.0 4.6



#51
Chlorobenzene
Concen: 5.576 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024583.D
Acq: 15 Jun 2018 10:11

Tgt Ion:112 Resp: 37801
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.1
77 58.4 45.0 67.6





#52

Ethylbenzene

Concen: 5.507 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

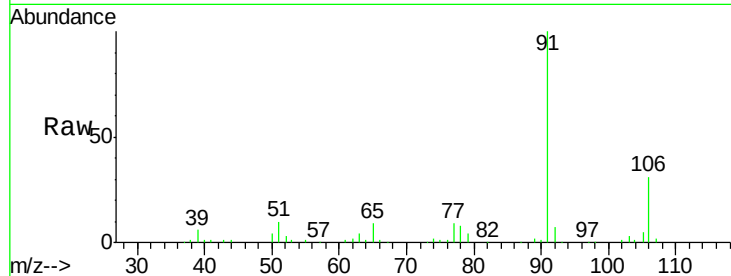
VSTD00540

Tgt Ion: 91 Resp: 63869

Ion Ratio Lower Upper

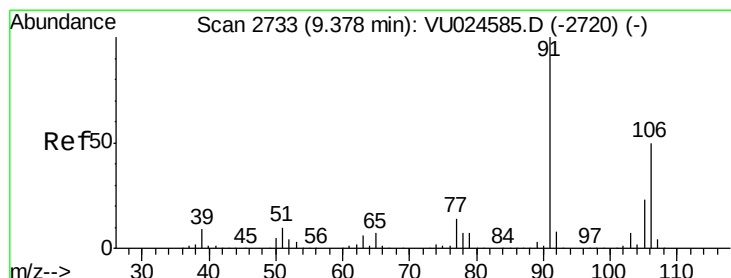
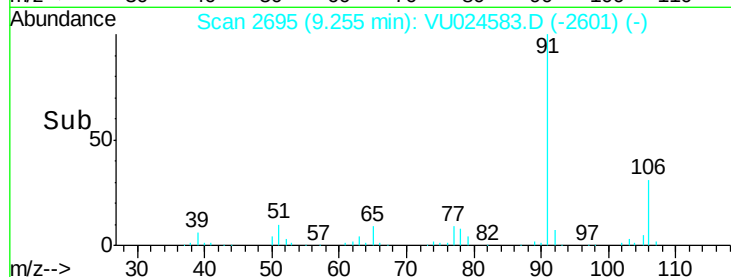
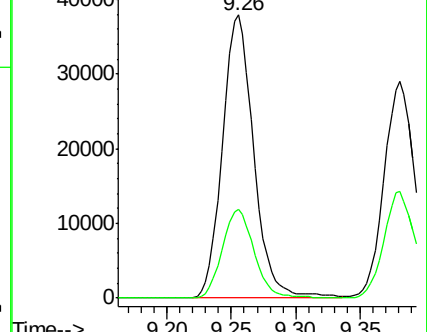
91 100

106 31.2 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU024583.D (-2694) (-)

Ion 106.00 (105.70 to 106.70): VU024583.D (-2694) (-)



#53

m,p-Xylene

Concen: 5.499 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU024583.D

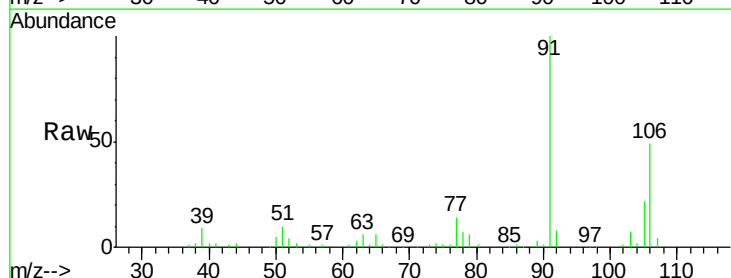
Acq: 15 Jun 2018 10:11

Tgt Ion: 106 Resp: 24542

Ion Ratio Lower Upper

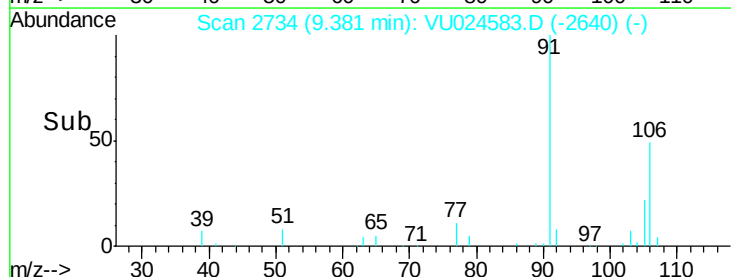
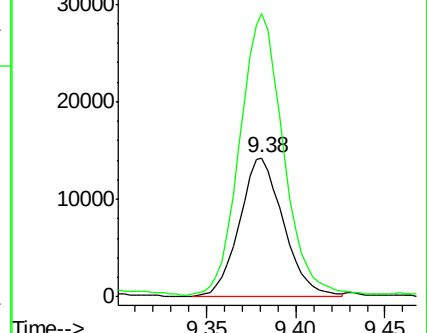
106 100

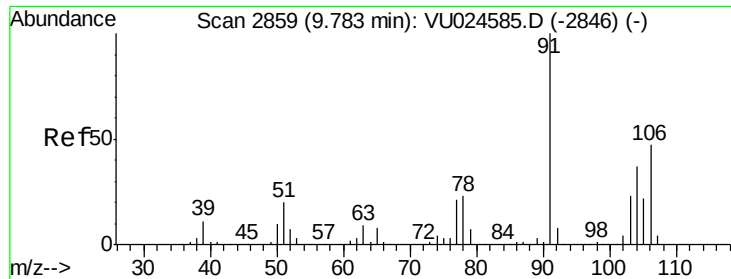
91 203.9 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): VU024583.D (-2733) (-)

Ion 91.00 (90.70 to 91.70): VU024583.D (-2733) (-)





#54

o-xylene

Concen: 5.550 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

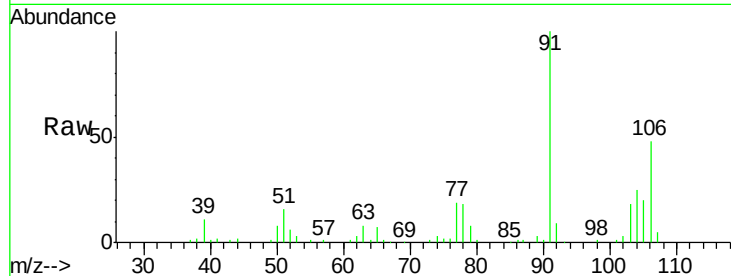
VSTD00540

Tgt Ion:106 Resp: 24440

Ion Ratio Lower Upper

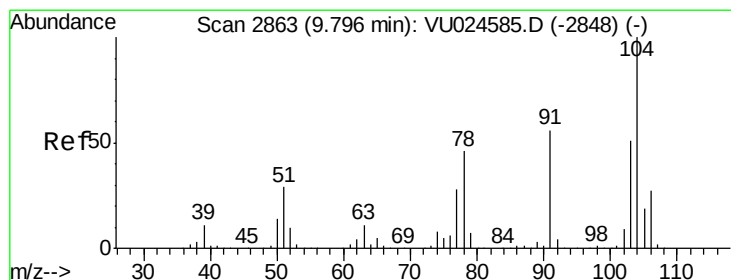
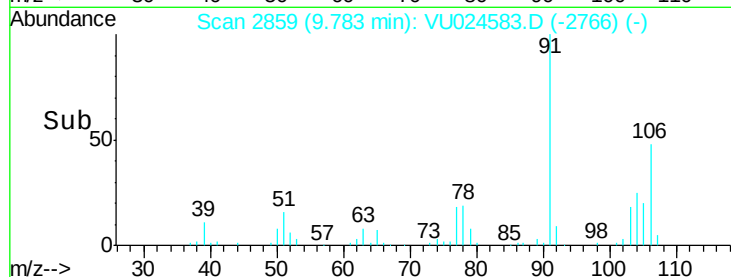
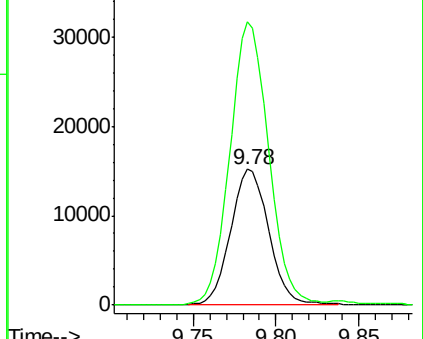
106 100

91 208.2 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 5.316 ug/L

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU024583.D

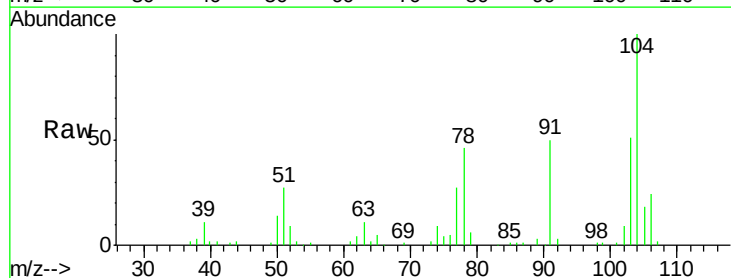
Acq: 15 Jun 2018 10:11

Tgt Ion:104 Resp: 39805

Ion Ratio Lower Upper

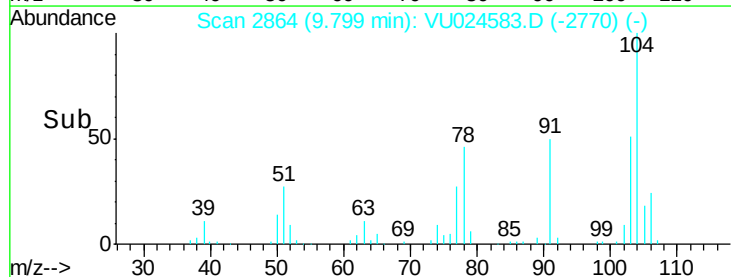
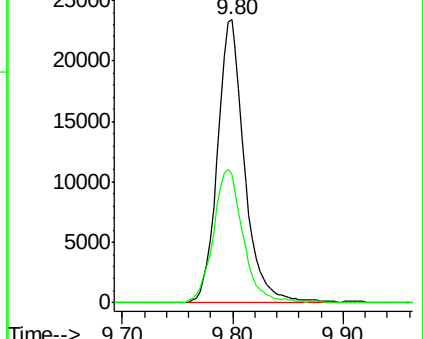
104 100

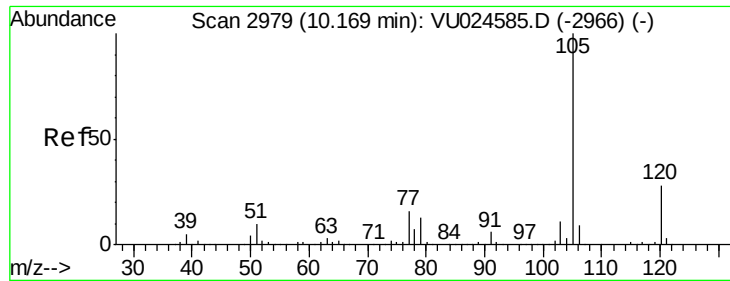
78 45.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 5.403 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

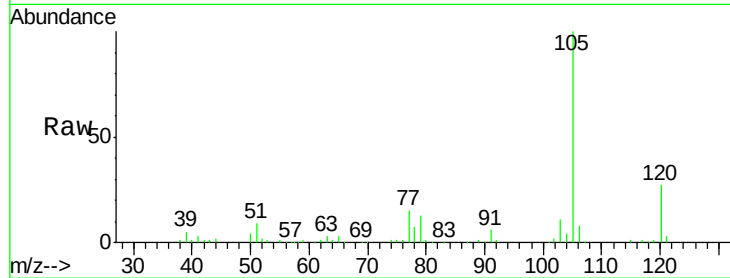
Tgt Ion: 105 Resp: 62776

Ion Ratio Lower Upper

105 100

120 27.3 22.1 33.1

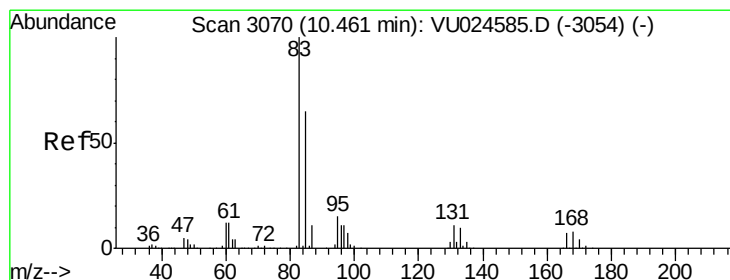
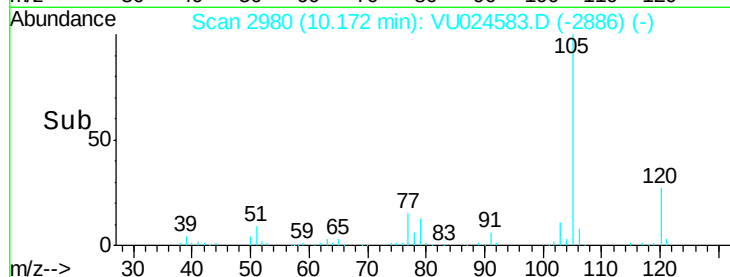
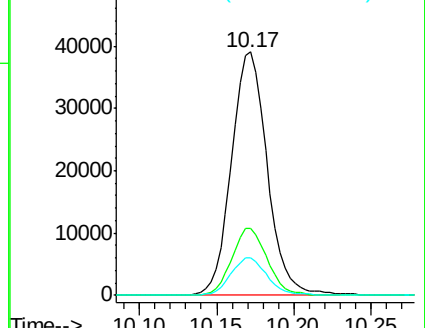
77 15.5 12.7 19.1



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: 5.449 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

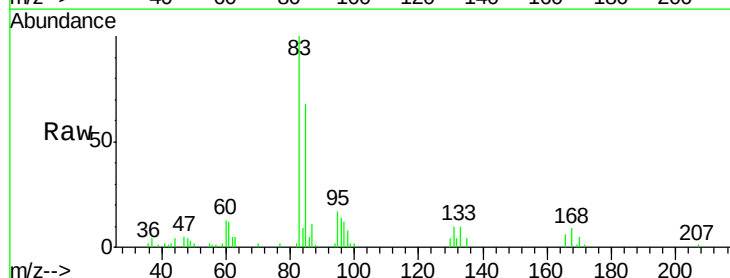
Tgt Ion: 83 Resp: 22355

Ion Ratio Lower Upper

83 100

85 67.5 45.9 85.3

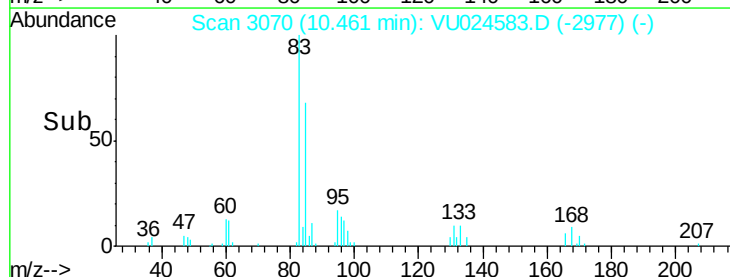
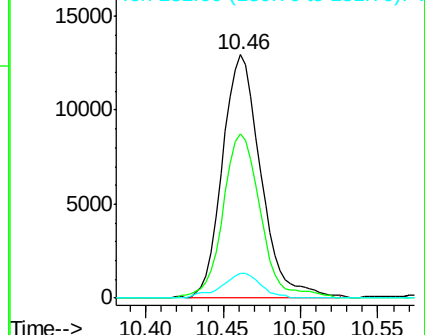
131 10.3 8.6 12.8

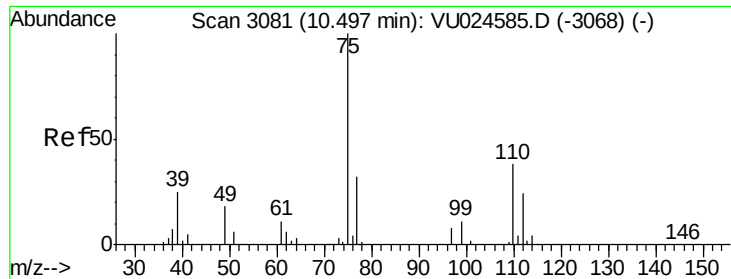


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

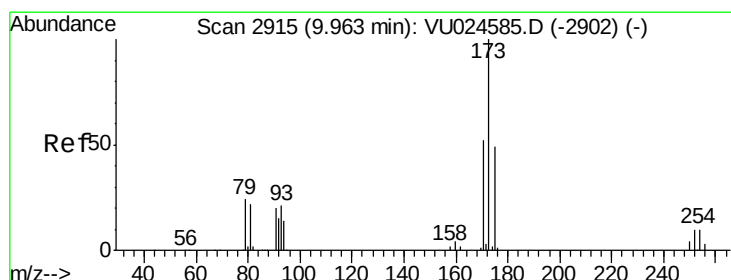
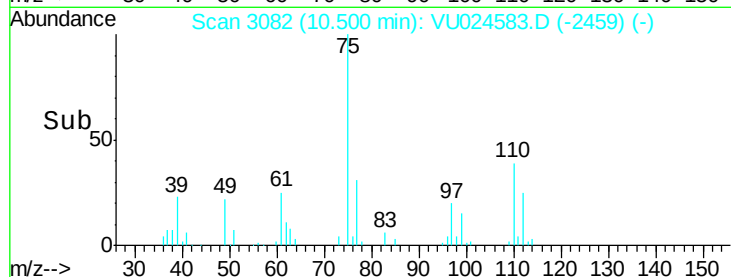
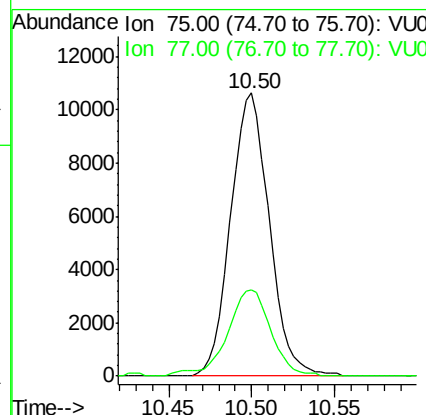
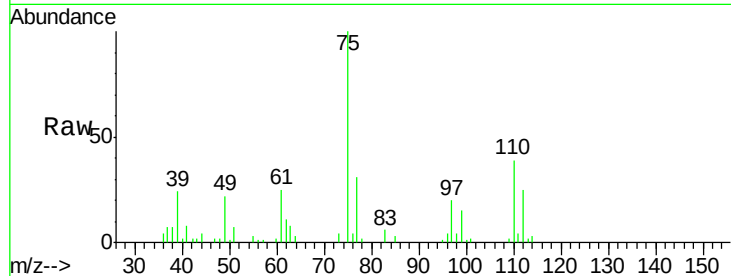




#59
 1,2,3-Trichloropropane
 Concen: 5.366 ug/L
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

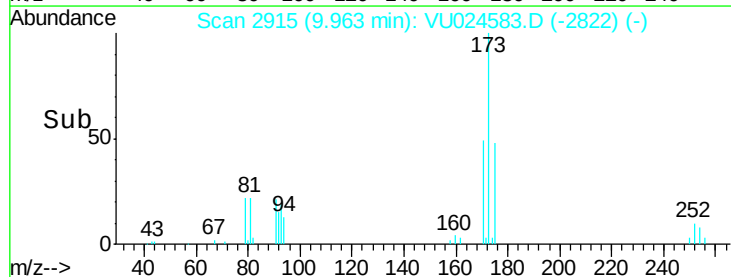
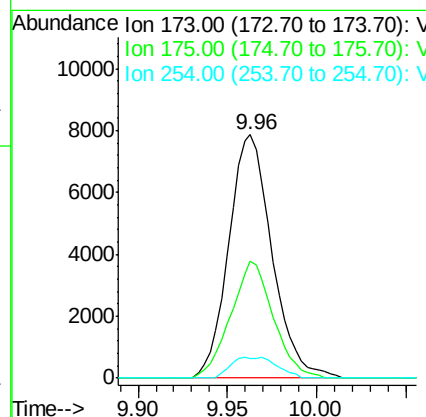
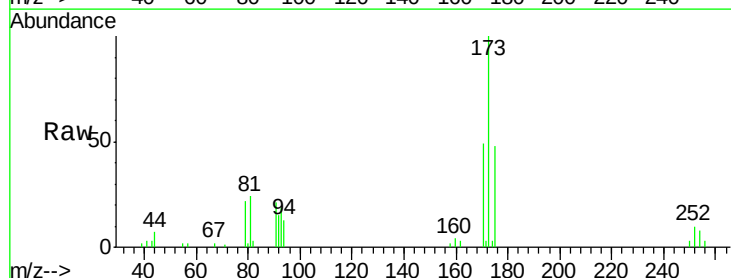
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

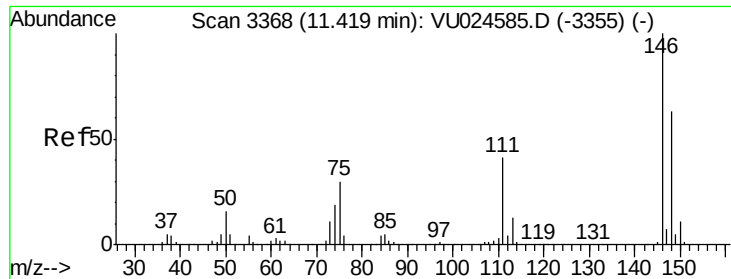
Tgt Ion: 75 Resp: 17263
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.3 39.5



#61
 Bromoform
 Concen: 5.559 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

Tgt Ion: 173 Resp: 13257
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.3 58.9
 254 4.2 7.8 11.6#

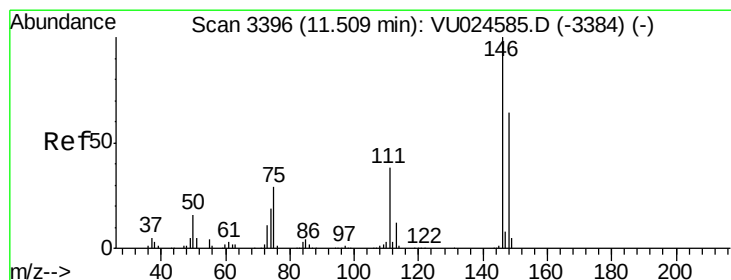
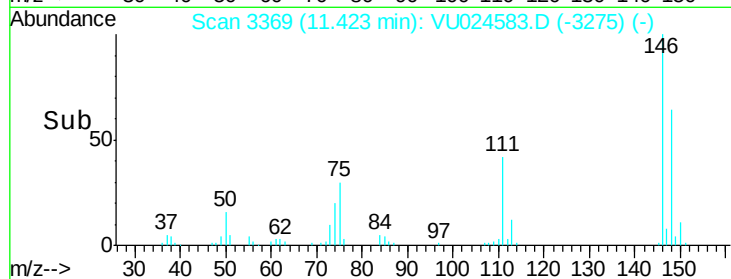
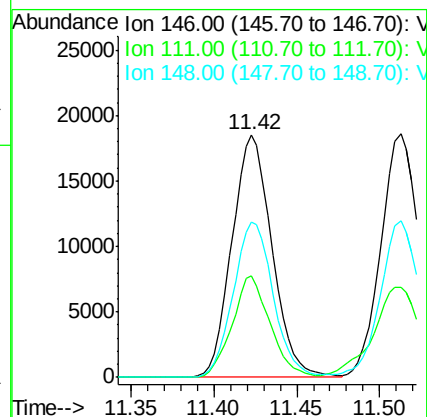
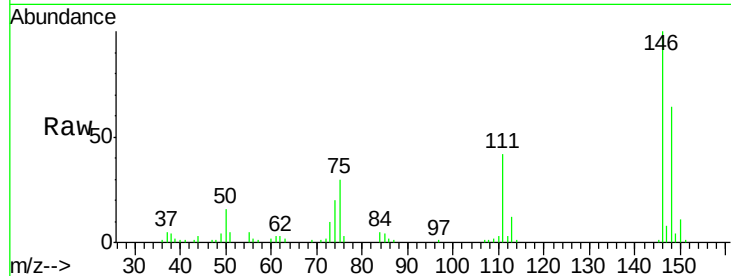




#62
 1,3-Dichlorobenzene
 Concen: 5.632 ug/L
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

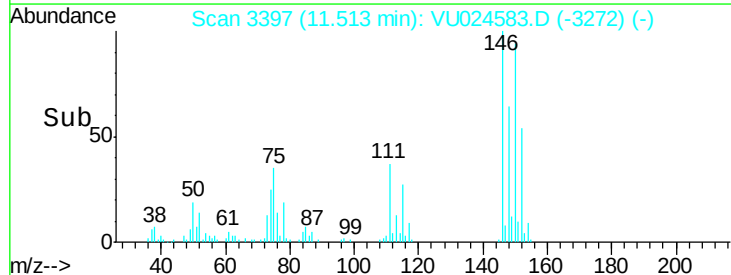
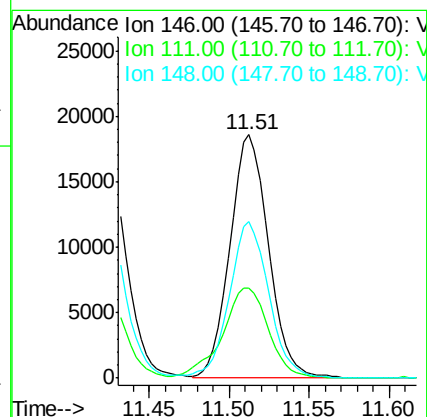
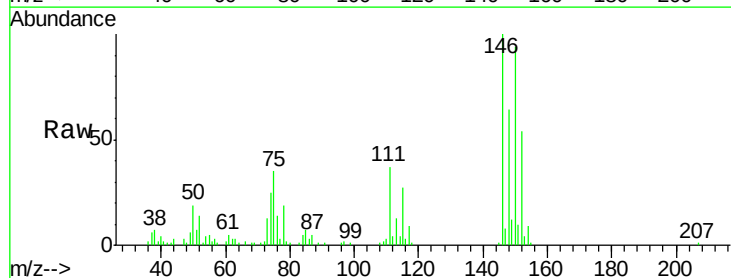
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

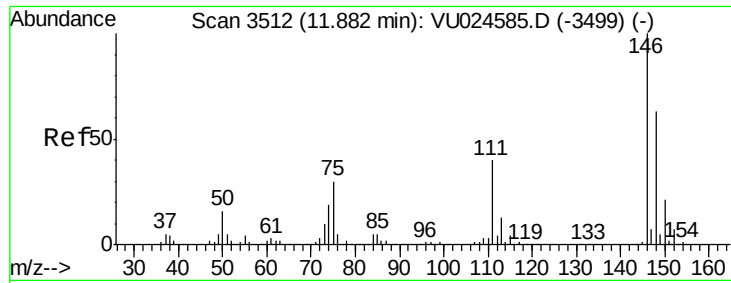
Tgt Ion:146 Resp: 31113
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.4 52.8
 148 63.8 44.3 82.3



#63
 1,4-Dichlorobenzene
 Concen: 5.502 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

Tgt Ion:146 Resp: 30661
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.5 49.1
 148 64.2 44.6 82.8

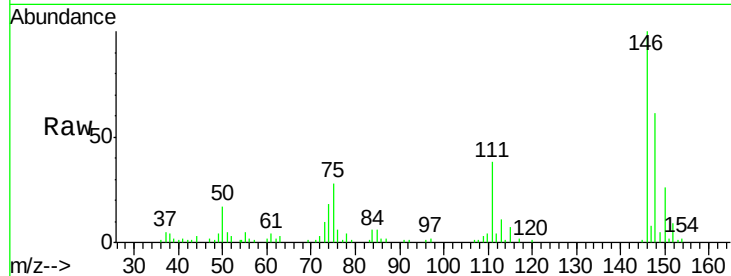




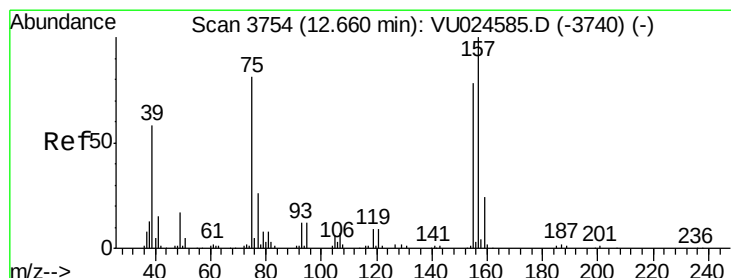
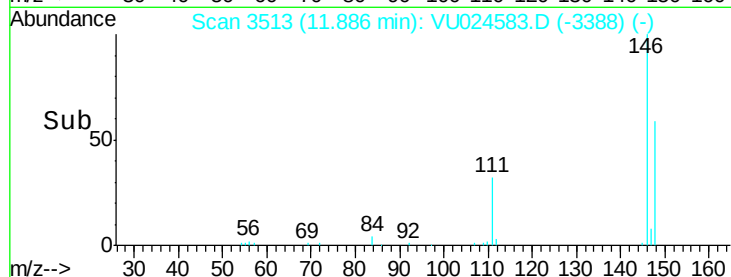
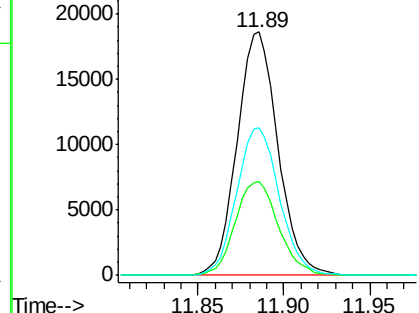
#65
 1,2-Dichlorobenzene
 Concen: 5.551 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Tgt Ion: 146 Resp: 30691
 Ion Ratio Lower Upper
 146 100
 111 38.4 32.2 48.4
 148 60.6 50.8 76.2

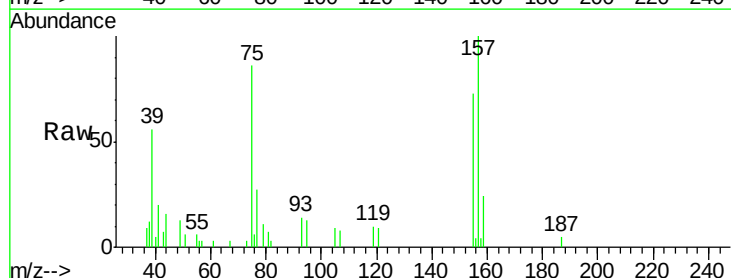


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

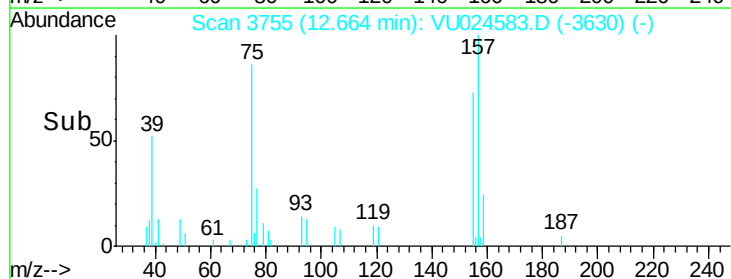
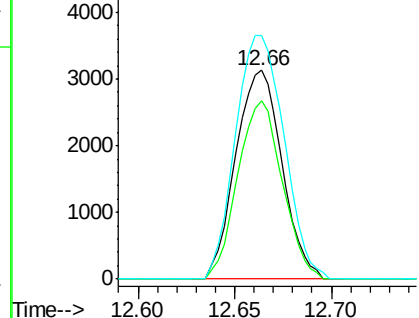


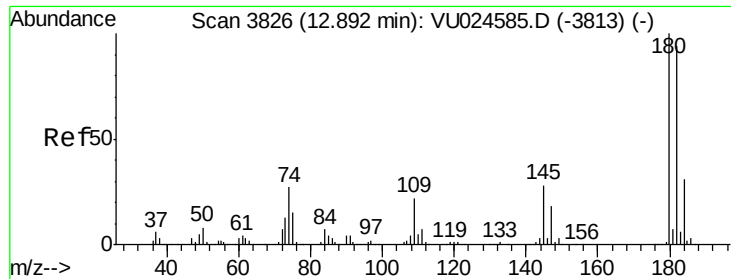
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.383 ug/L
 RT: 12.66 min Scan# 3755
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

Tgt Ion: 75 Resp: 5208
 Ion Ratio Lower Upper
 75 100
 155 89.4 76.8 115.2
 157 116.6 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

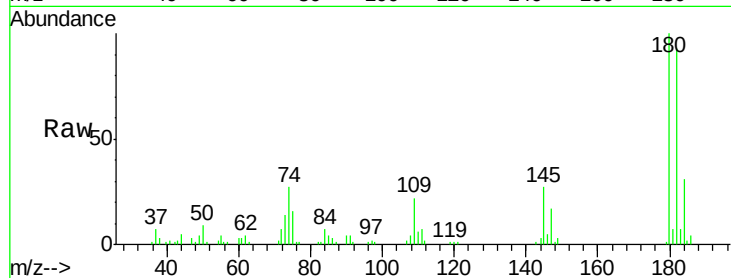




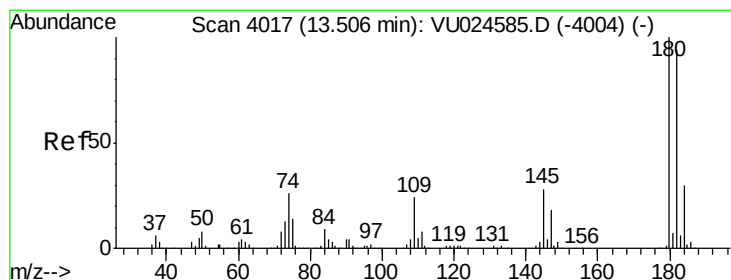
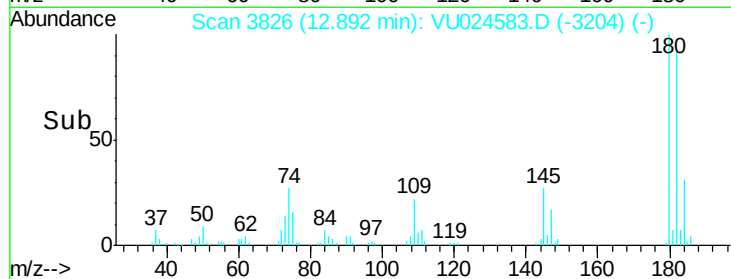
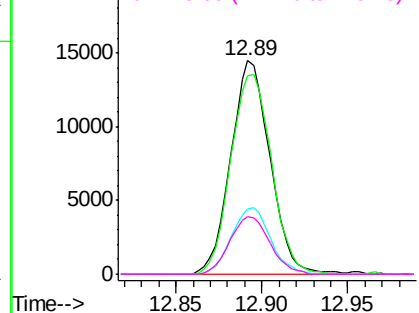
#67
 1,3,5-Trichlorobenzene
 Concen: 5.210 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Tgt Ion:180 Resp: 23014
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.2 114.4
 184 31.0 24.7 37.1
 145 27.4 22.6 34.0

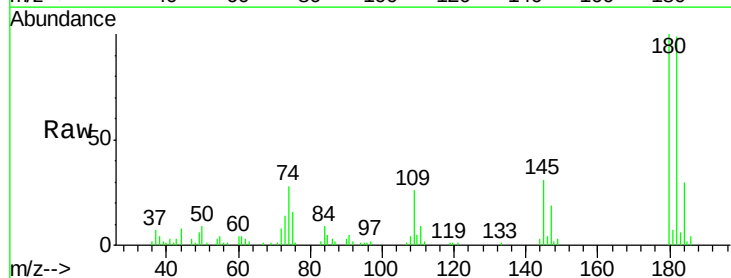


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

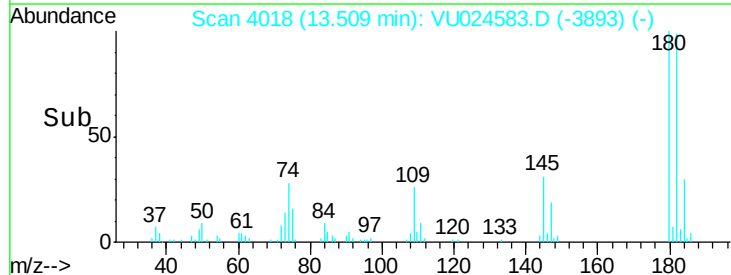
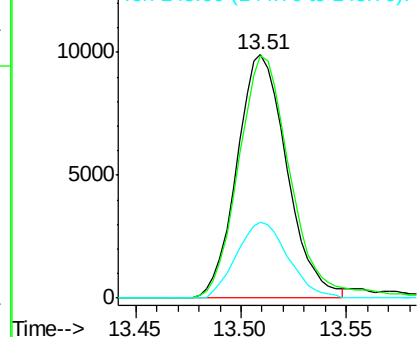


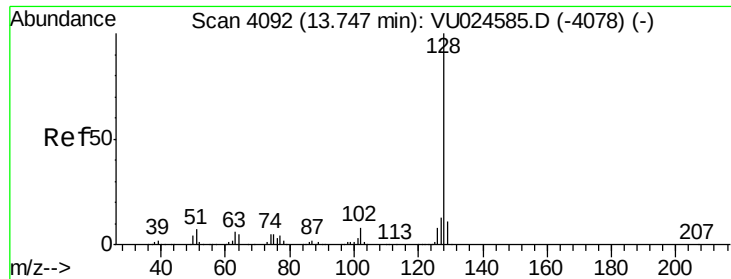
#68
 1,2,4-trichlorobenzene
 Concen: 4.450 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU024583.D
 Acq: 15 Jun 2018 10:11

Tgt Ion:180 Resp: 16346
 Ion Ratio Lower Upper
 180 100
 182 103.7 76.2 114.2
 145 32.0 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: 4.370 ug/L

RT: 13.75 min Scan# 4093

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

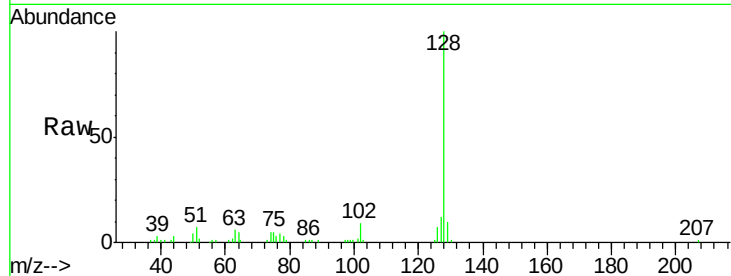
Tgt Ion:128 Resp: 44340

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

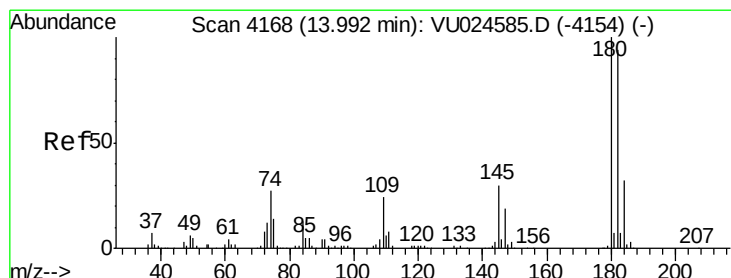
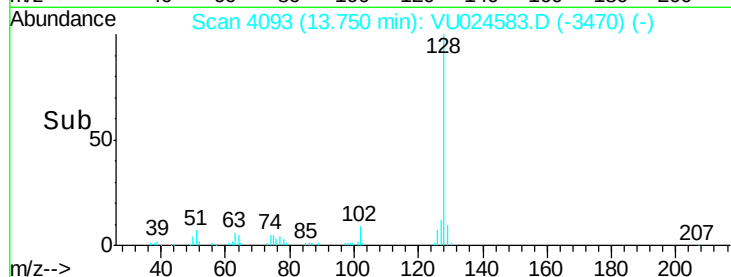
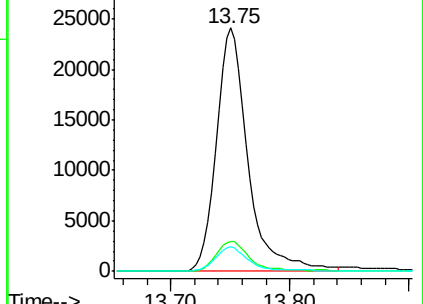
129 10.3 8.7 13.1



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: 4.642 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024583.D

Acq: 15 Jun 2018 10:11

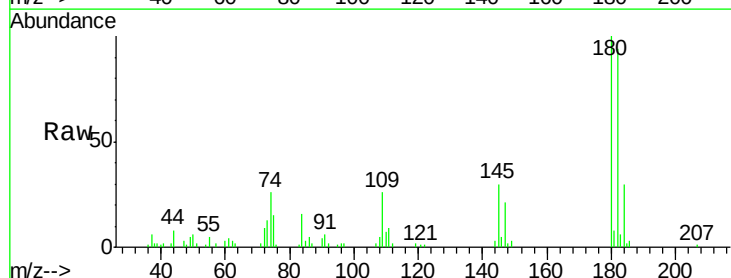
Tgt Ion:180 Resp: 17293

Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

145 32.1 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

