

Data File : VU024586.D
Acq On : 15 Jun 2018 11:59
Operator : MD/SY
Sample : VSTD10043
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

Quant Time: Jun 16 00:22:57 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	329925	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310085	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	171213	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	187920	99.51	ug/L	0.00
7) Chloroethane-d5	1.68	69	148092	101.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	373726	99.05	ug/L	0.00
21) 2-Butanone-d5	4.18	46	338882	212.60	ug/L	0.00
24) Chloroform-d	4.65	84	389319	102.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	244067	102.28	ug/L	0.00
32) Benzene-d6	5.35	84	773461	102.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	257426	102.78	ug/L	0.00
41) Toluene-d8	7.57	98	776813	101.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	135264	105.83	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	279526	216.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	377281	102.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	333028	100.80	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	248143	92.983	ug/L	100
3) Chloromethane	1.33	50	228664	95.287	ug/L	99
5) Vinyl chloride	1.40	62	241695	94.020	ug/L	99
6) Bromomethane	1.63	94	122976	101.333	ug/L	97
8) Chloroethane	1.70	64	143236	94.892	ug/L	99
9) Trichlorofluoromethane	1.89	101	350062	92.758	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	198195	92.586	ug/L	98
12) 1,1-Dichloroethene	2.29	96	182436	93.032	ug/L	99
13) Acetone	2.32	43	303577	178.410	ug/L	99
14) Carbon disulfide	2.48	76	592524	92.209	ug/L	100
15) Methyl Acetate	2.62	43	252479	96.818	ug/L	100
16) Methylene chloride	2.71	84	219018	90.822	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	204325	92.339	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	679582	94.454	ug/L	99
19) 1,1-Dichloroethane	3.45	63	382442	93.891	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	239222	92.737	ug/L	100
22) 2-Butanone	4.26	43	414029	190.946	ug/L	99
23) Bromochloromethane	4.55	128	122760	94.872	ug/L	98
25) Chloroform	4.68	83	392221	93.353	ug/L	100
27) 1,2-Dichloroethane	5.41	62	309013	95.425	ug/L	99
29) Cyclohexane	5.00	56	361327	94.001	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	350499	93.310	ug/L	99
31) Carbon tetrachloride	5.14	117	322684	93.857	ug/L	100
33) Benzene	5.39	78	857449	94.101	ug/L	100
34) Trichloroethene	6.19	95	236888	94.067	ug/L	98
35) Methylcyclohexane	6.42	83	371358	91.731	ug/L	99
37) 1,2-Dichloropropane	6.44	63	238251	94.064	ug/L	100
38) Bromodichloromethane	6.76	83	317476	95.093	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	389164	98.019	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	730424	194.219	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	961426	94.949	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	355656	97.951	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	226343	94.971	ug/L	99
46) Tetrachloroethene	8.23	164	197809	93.312	ug/L	99
48) 2-Hexanone	8.36	43	602470	197.148	ug/L	99
49) Dibromochloromethane	8.48	129	283474	97.075	ug/L	98
50) 1,2-Dibromoethane	8.59	107	251395	96.114	ug/L	98
51) Chlorobenzene	9.12	112	640419	94.379	ug/L	99
52) Ethylbenzene	9.25	91	1102626	94.980	ug/L	100
53) m,p-Xylene	9.38	106	419677	93.943	ug/L	98
54) o-xylene	9.78	106	420194	95.342	ug/L	99
55) Styrene	9.80	104	724911	96.732	ug/L	98
56) Isopropylbenzene	10.17	105	1114334	95.829	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	391090	95.237	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	311380	96.708	ug/L	99
61) Bromoform	9.96	173	235844	94.976	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	536291	93.225	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	541033	93.242	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	535500	93.017	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	99490	98.748	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	437805	95.186	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	390610	102.111	ug/L	100
69) Naphthalene	13.74	128	1111761	105.225	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	391045	100.812	ug/L	99

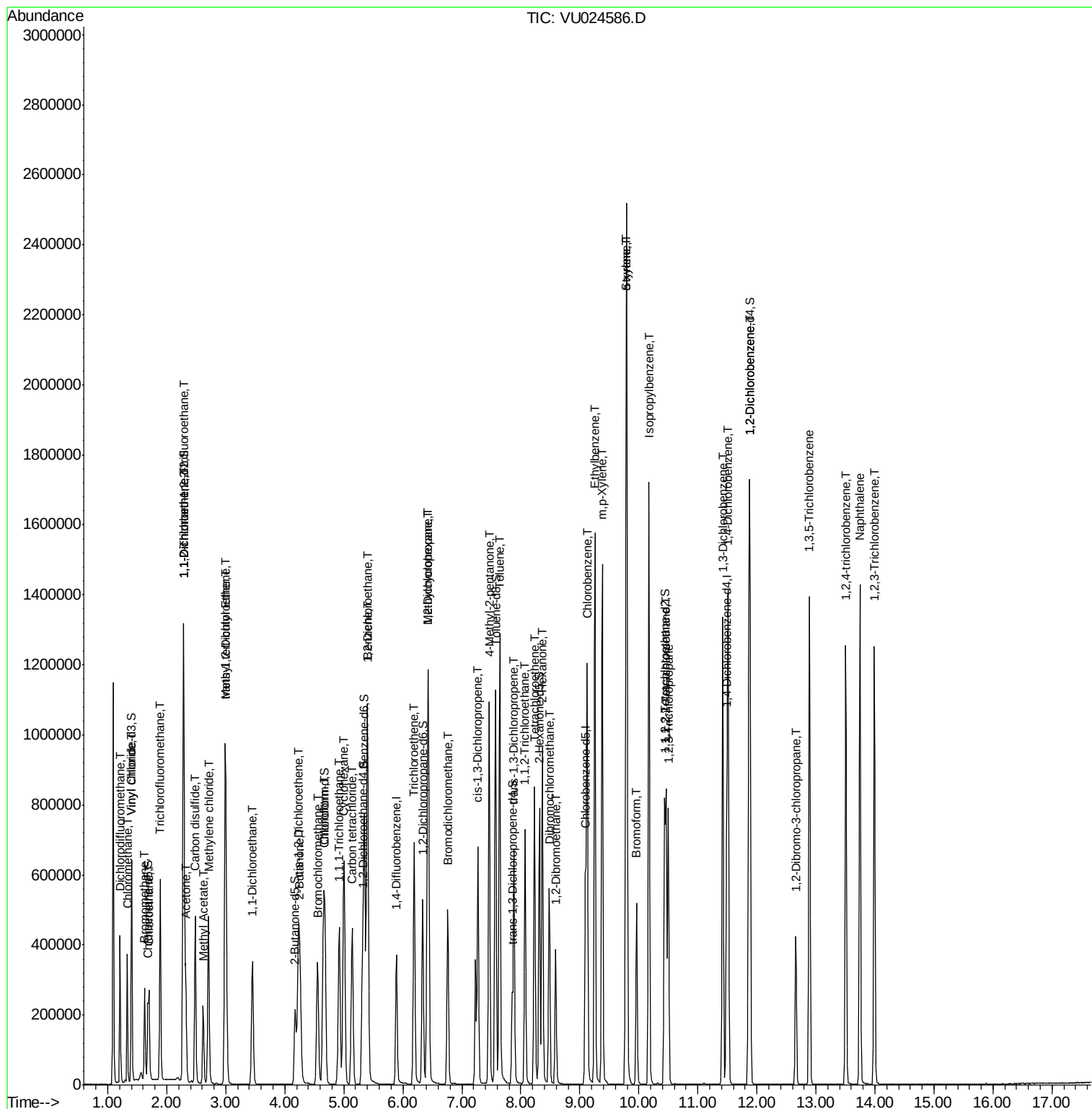
(#) = qualifier out of range (m) = manual integration (+) = signals summed

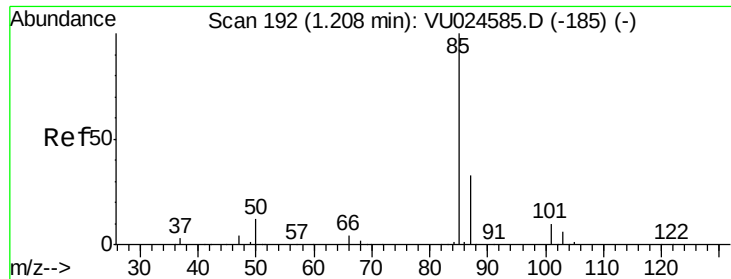
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#2

Dichlorodifluoromethane

Concen: 92.983 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

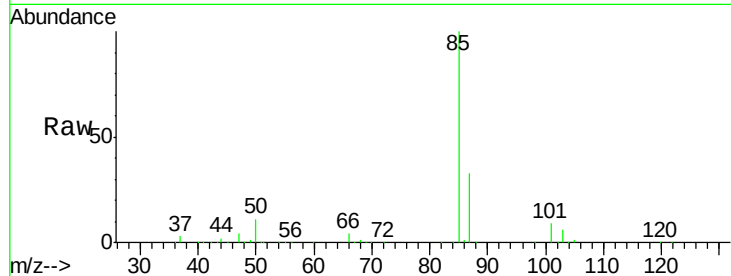
VSTD10043

Tgt Ion: 85 Resp: 248143

Ion Ratio Lower Upper

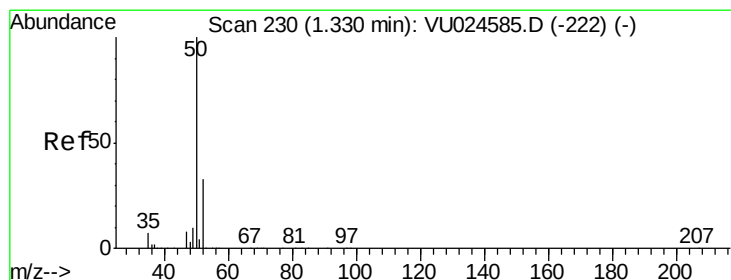
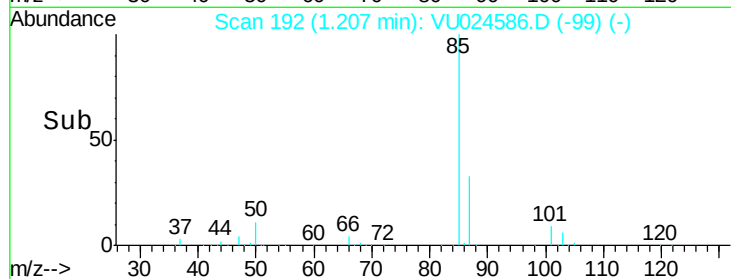
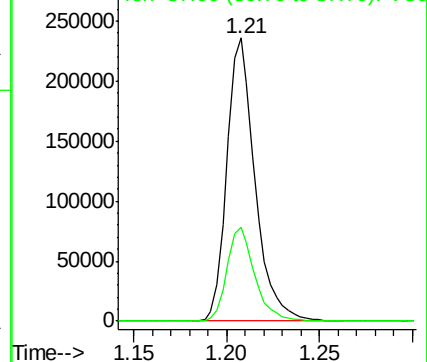
85 100

87 32.7 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: 95.287 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024586.D

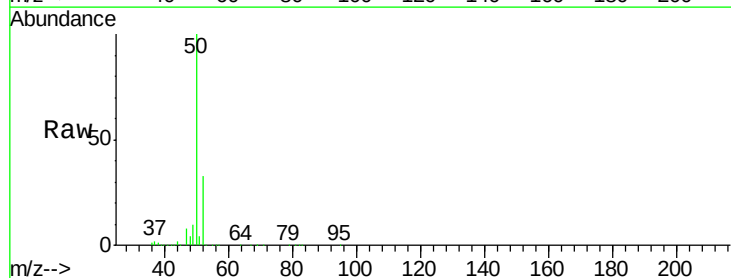
Acq: 15 Jun 2018 11:59

Tgt Ion: 50 Resp: 228664

Ion Ratio Lower Upper

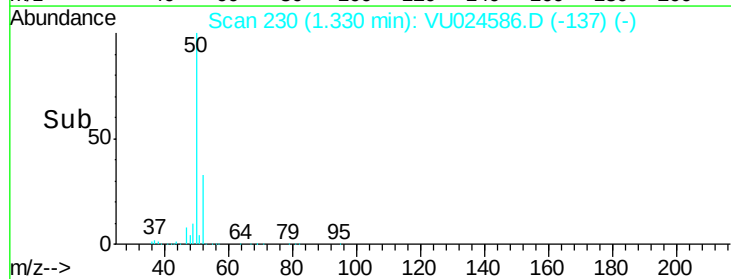
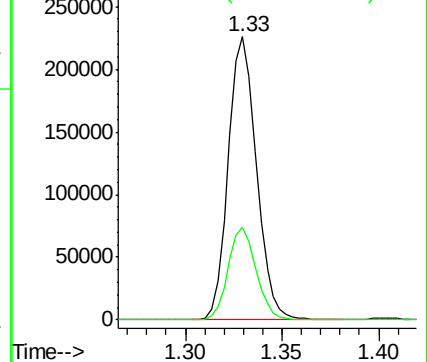
50 100

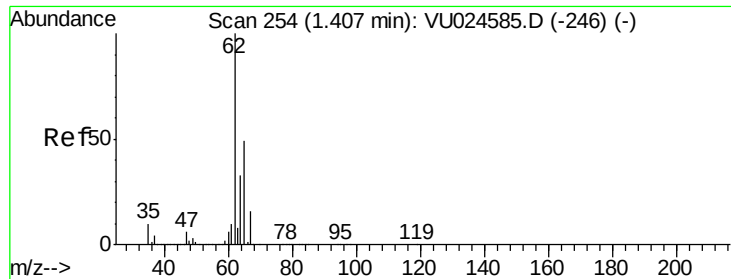
52 32.6 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 94.020 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

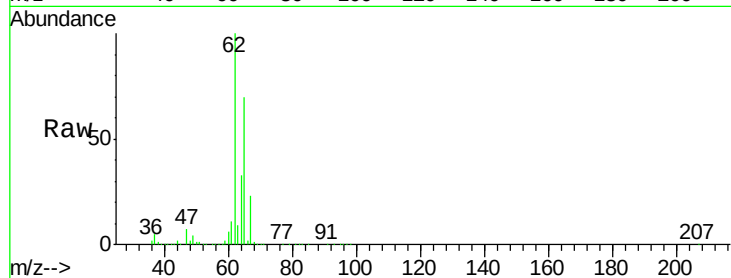
VSTD10043

Tgt Ion: 62 Resp: 241695

Ion Ratio Lower Upper

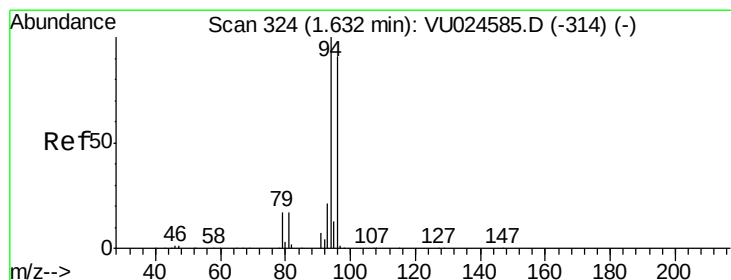
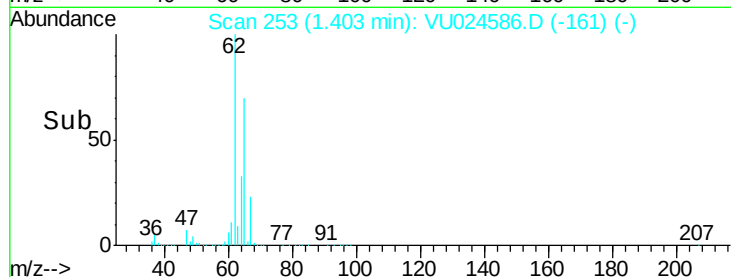
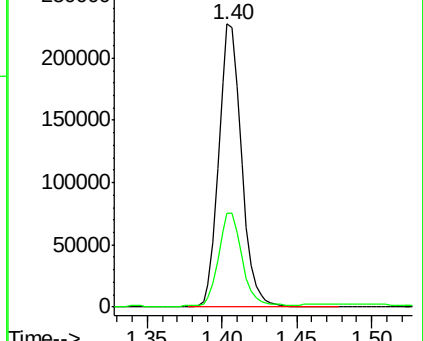
62 100

64 33.3 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: 101.333 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.01 min

Lab File: VU024586.D

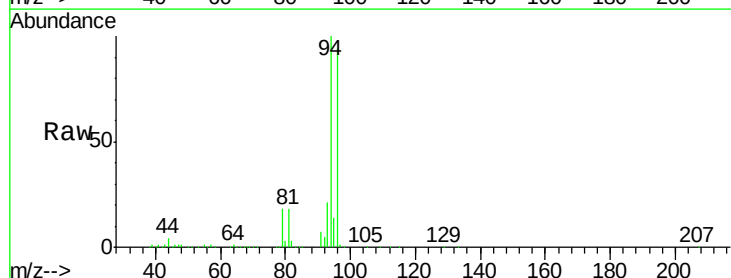
Acq: 15 Jun 2018 11:59

Tgt Ion: 94 Resp: 122976

Ion Ratio Lower Upper

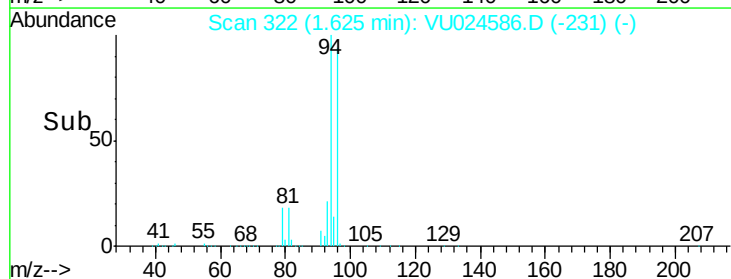
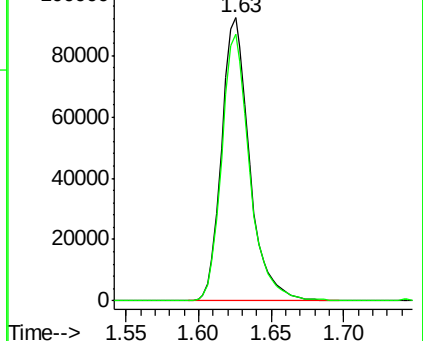
94 100

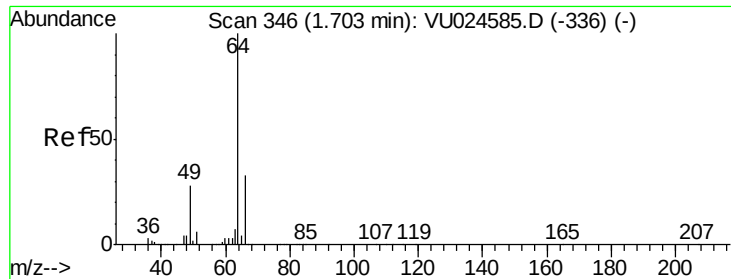
96 94.4 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 94.892 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

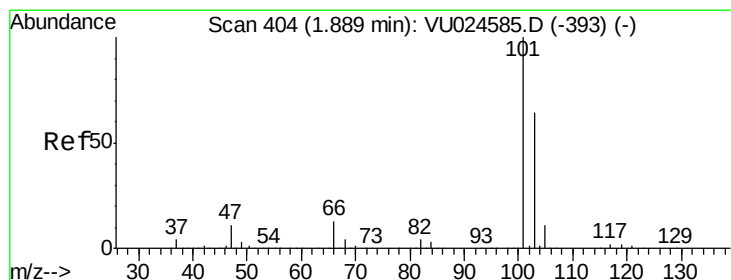
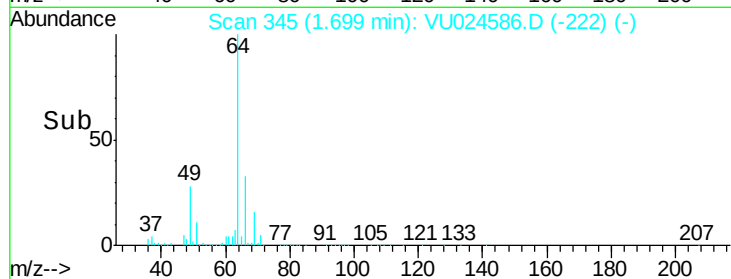
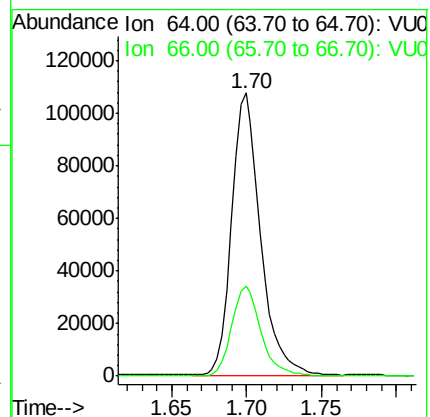
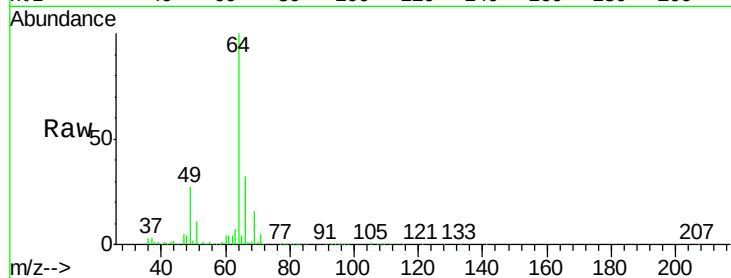
VSTD10043

Tgt Ion: 64 Resp: 143236

Ion Ratio Lower Upper

64 100

66 32.0 22.7 42.3



#9

Trichlorofluoromethane

Concen: 92.758 ug/L

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU024586.D

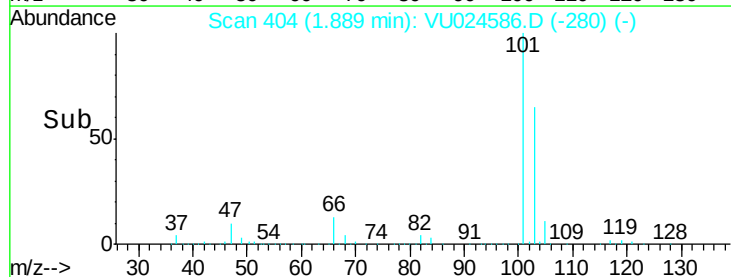
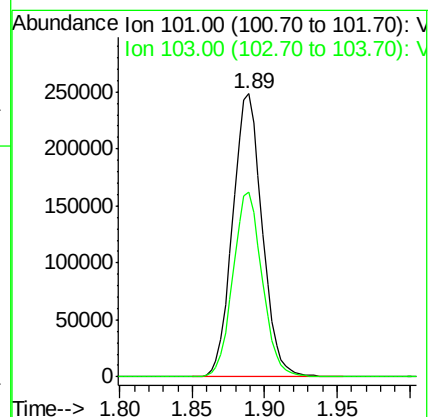
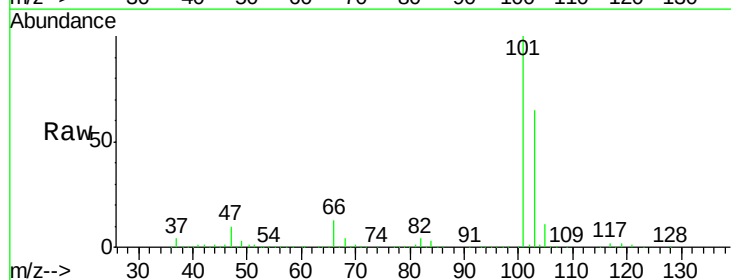
Acq: 15 Jun 2018 11:59

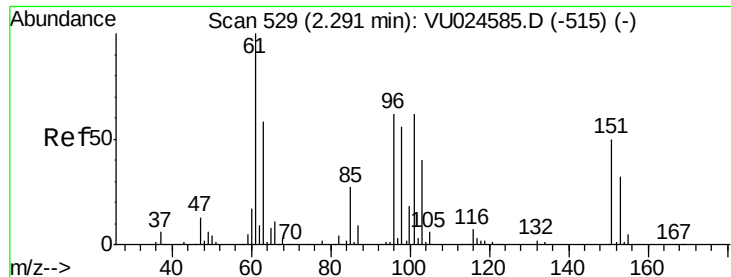
Tgt Ion: 101 Resp: 350062

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.6





#10

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

Concen: 92.586 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

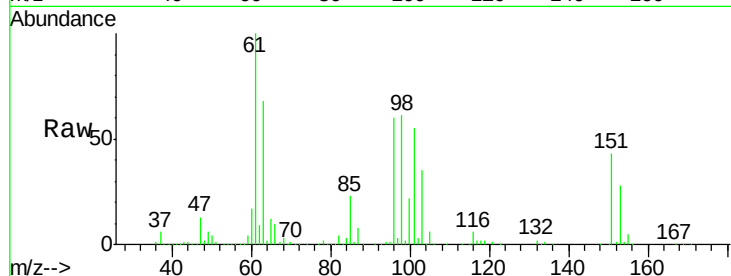
Tgt Ion: 101 Resp: 198195

Ion Ratio Lower Upper

101 100

85 42.4 35.2 52.8

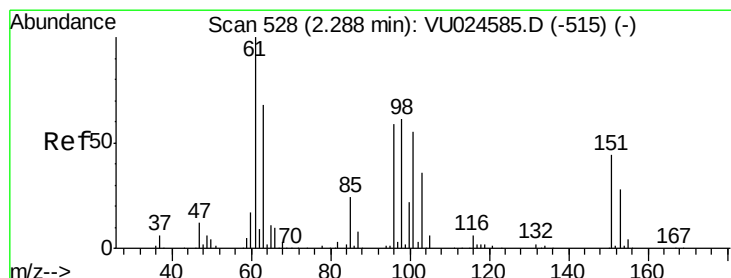
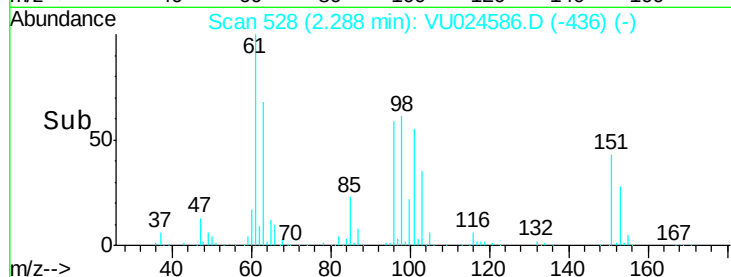
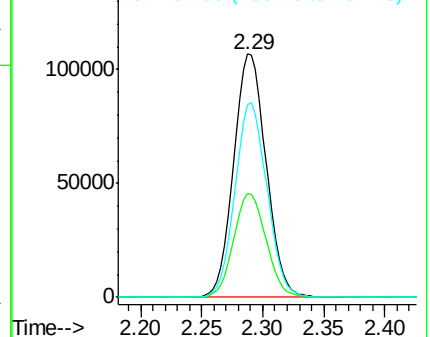
151 78.9 64.6 97.0



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: 93.032 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

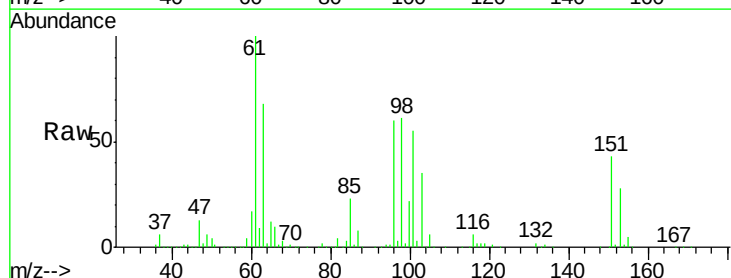
Tgt Ion: 96 Resp: 182436

Ion Ratio Lower Upper

96 100

61 167.6 117.9 218.9

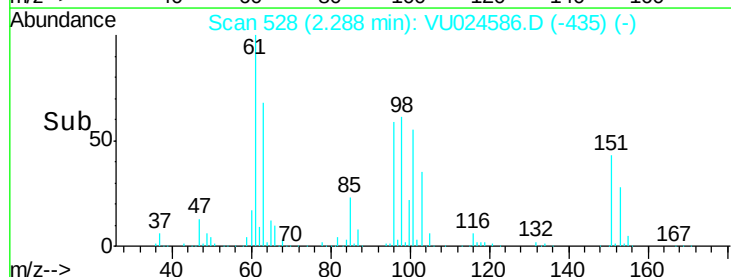
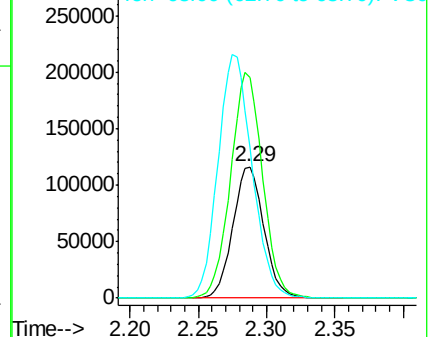
63 114.2 81.4 151.2

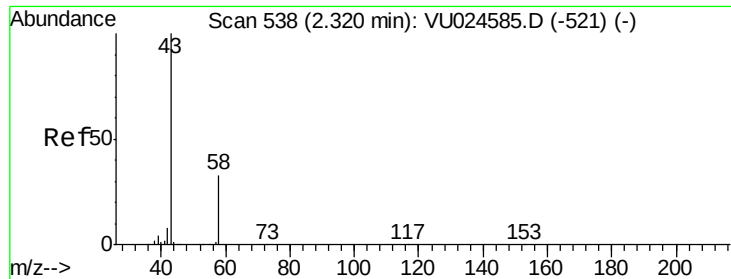


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 178.410 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

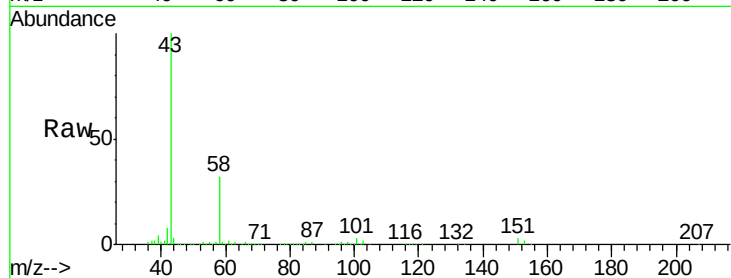
VSTD10043

Tgt Ion: 43 Resp: 303577

Ion Ratio Lower Upper

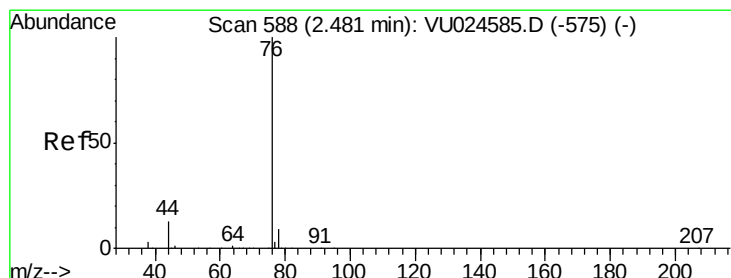
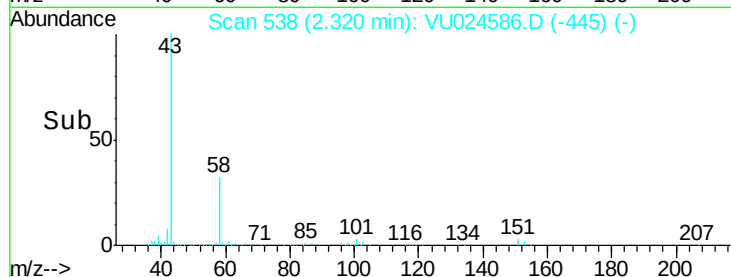
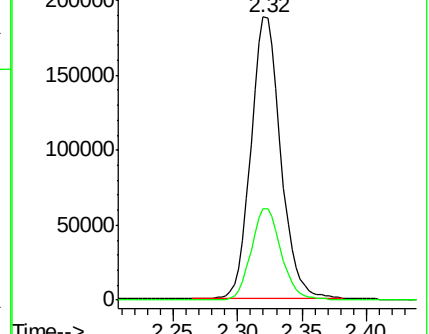
43 100

58 32.6 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 92.209 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024586.D

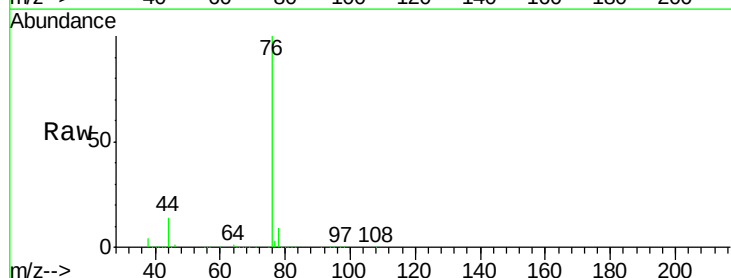
Acq: 15 Jun 2018 11:59

Tgt Ion: 76 Resp: 592524

Ion Ratio Lower Upper

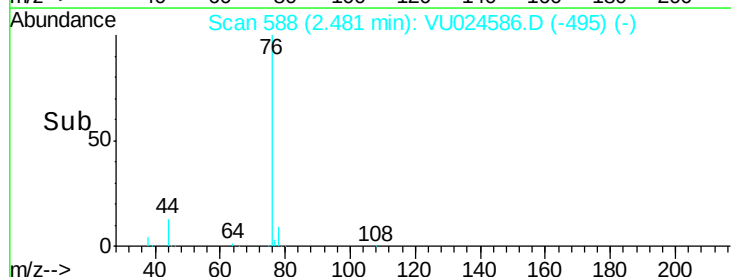
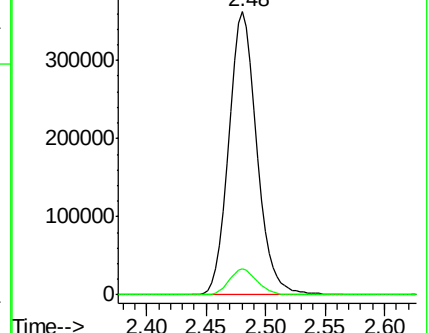
76 100

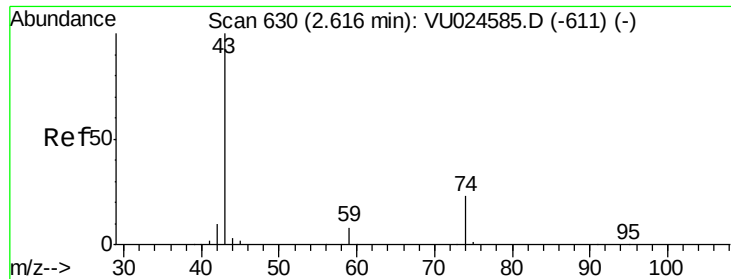
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

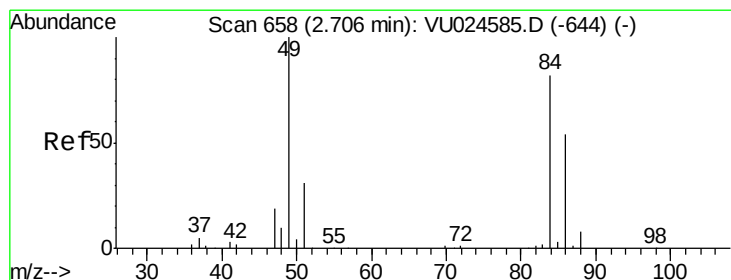
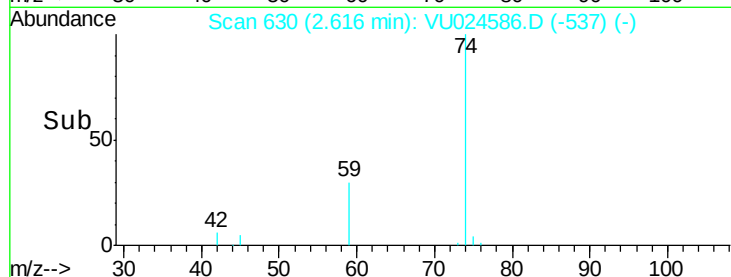
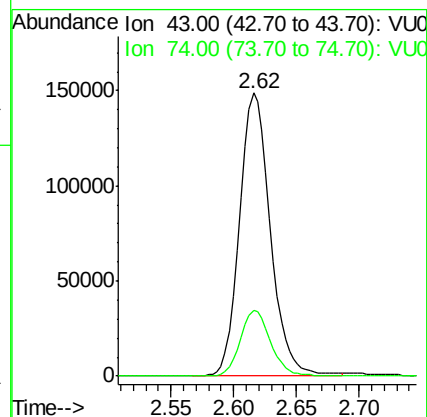
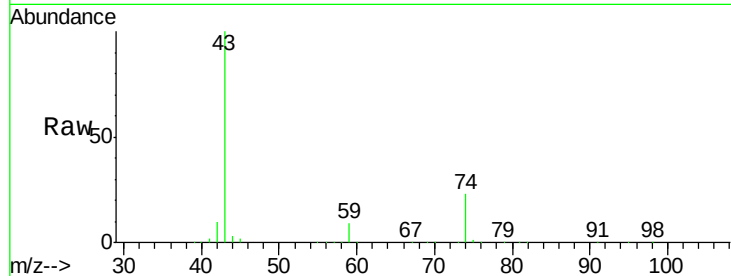




#15
Methyl Acetate
Concen: 96.818 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

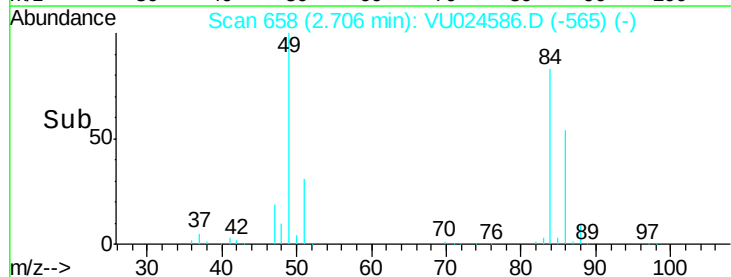
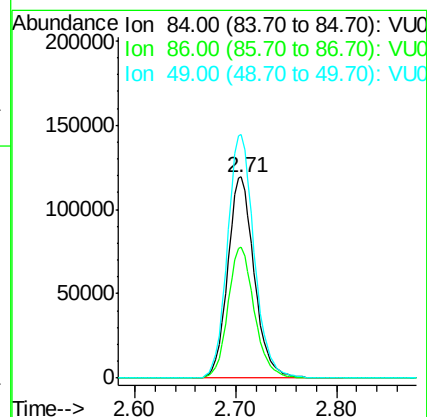
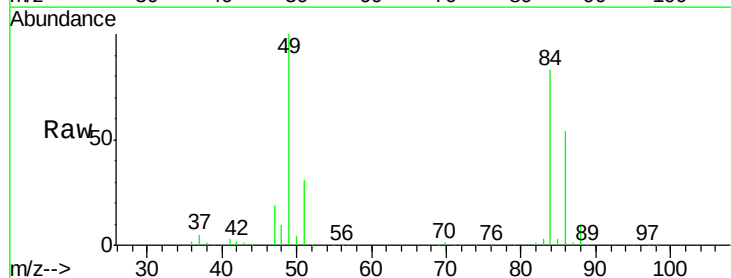
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

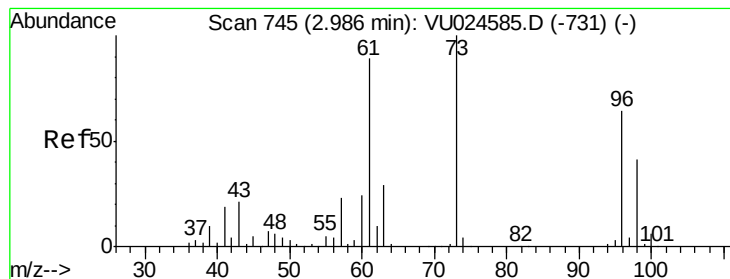
Tgt Ion: 43 Resp: 252479
Ion Ratio Lower Upper
43 100
74 23.2 18.4 27.6



#16
Methylene chloride
Concen: 90.822 ug/L
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

Tgt Ion: 84 Resp: 219018
Ion Ratio Lower Upper
84 100
86 65.0 46.1 85.7
49 121.0 85.5 158.9





#17

trans-1,2-Dichloroethene

Concen: 92.339 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

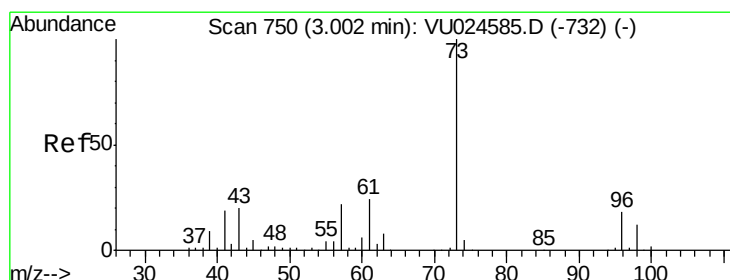
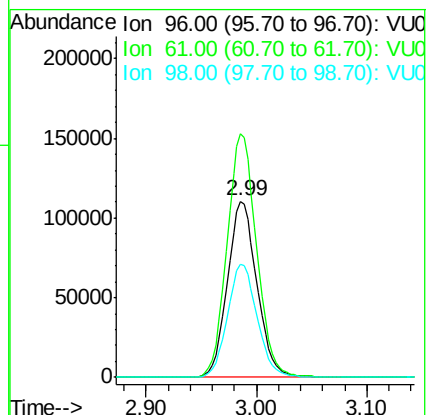
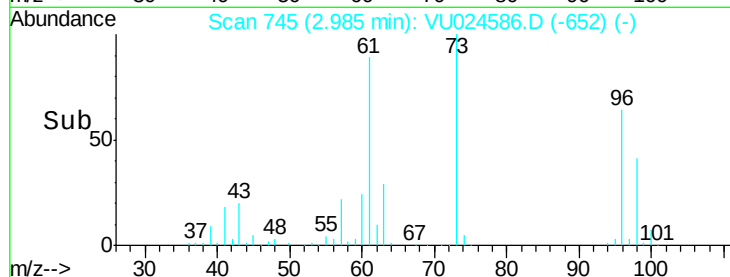
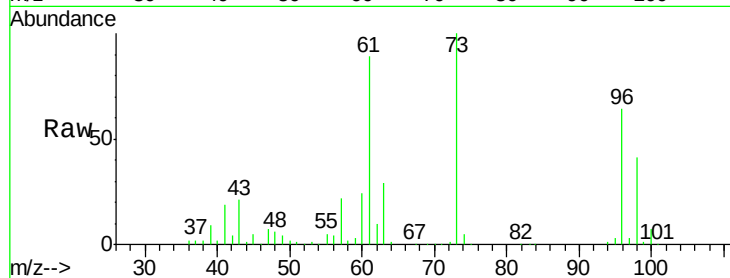
Tgt Ion: 96 Resp: 204325

Ion Ratio Lower Upper

96 100

61 138.3 97.4 180.8

98 64.2 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 94.454 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

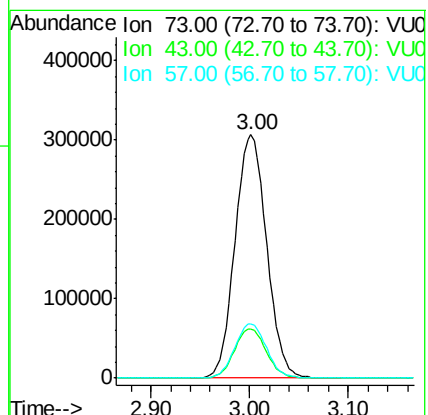
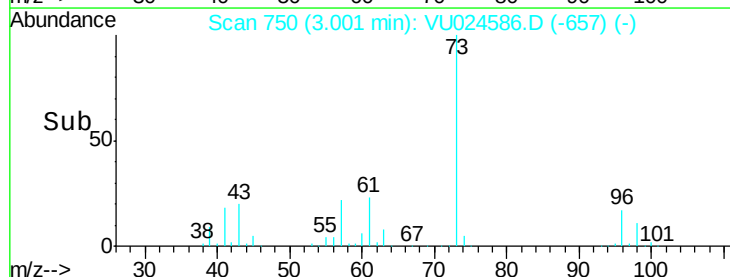
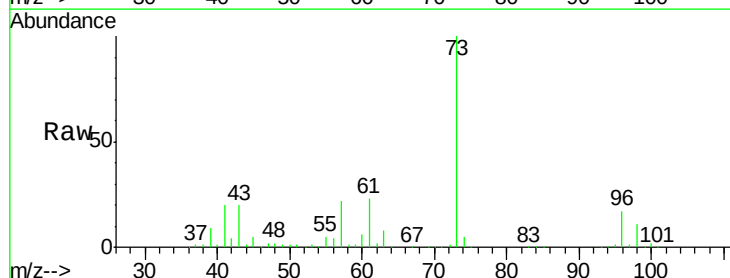
Tgt Ion: 73 Resp: 679582

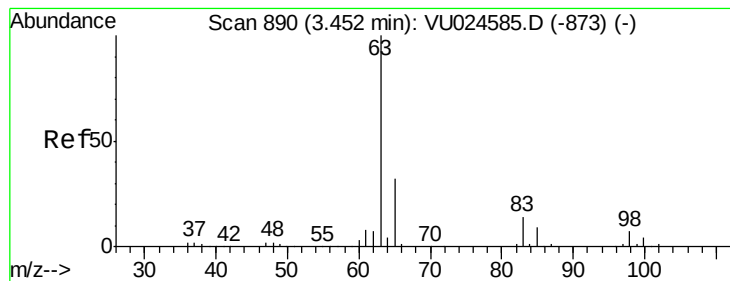
Ion Ratio Lower Upper

73 100

43 20.1 16.4 24.6

57 22.3 17.9 26.9





#19

1,1-Dichloroethane

Concen: 93.891 ug/L

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

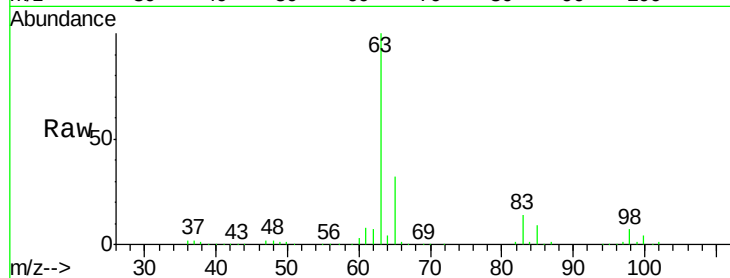
Tgt Ion: 63 Resp: 382442

Ion Ratio Lower Upper

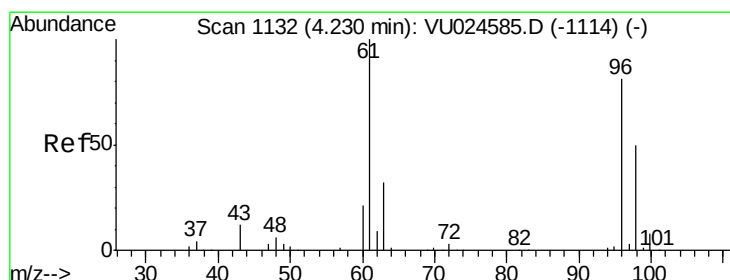
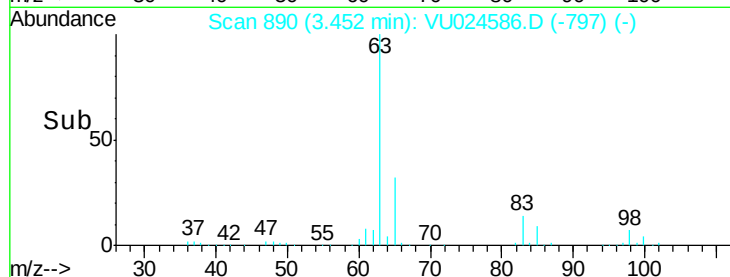
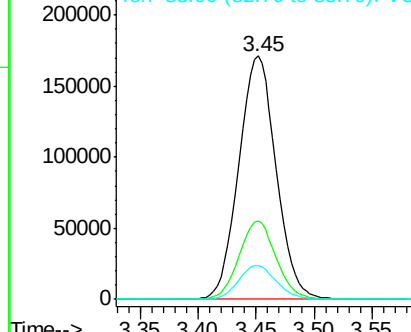
63 100

65 32.2 22.2 41.2

83 13.9 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: 92.737 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

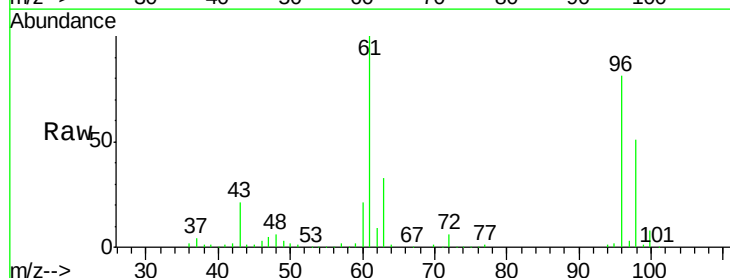
Tgt Ion: 96 Resp: 239222

Ion Ratio Lower Upper

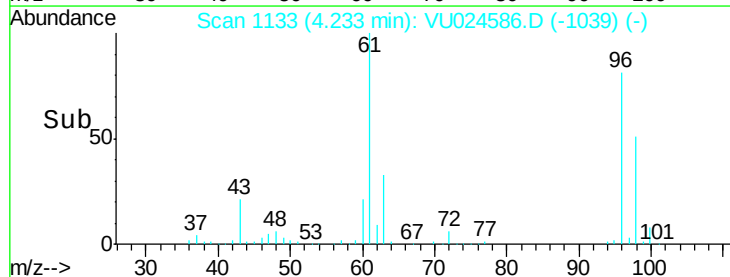
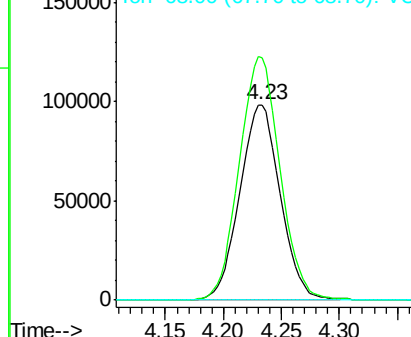
96 100

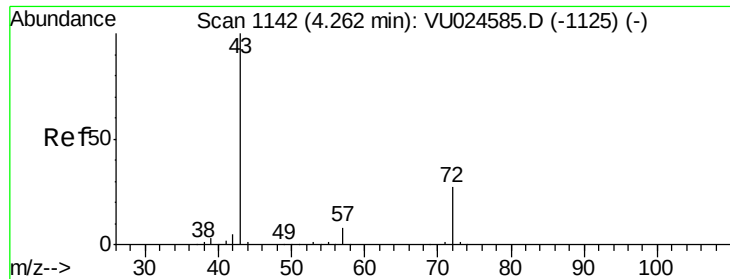
61 123.9 87.1 161.7

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

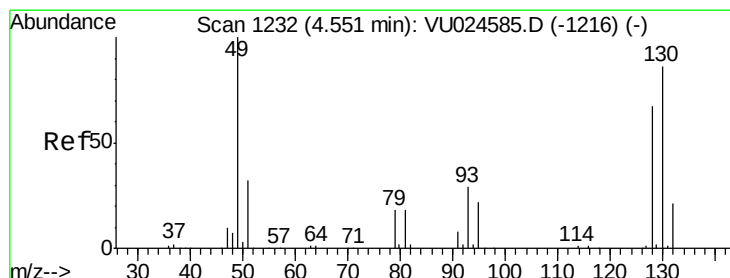
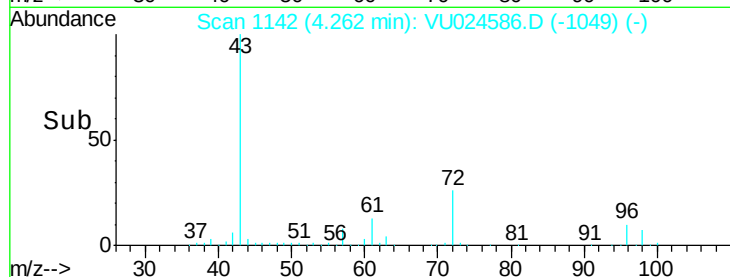
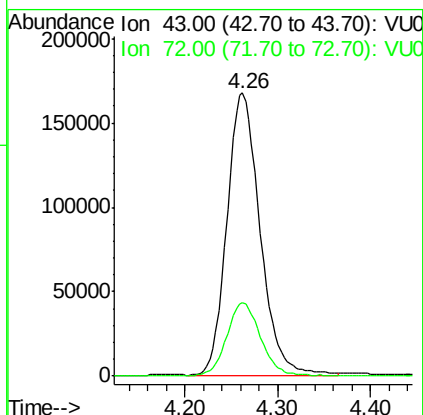
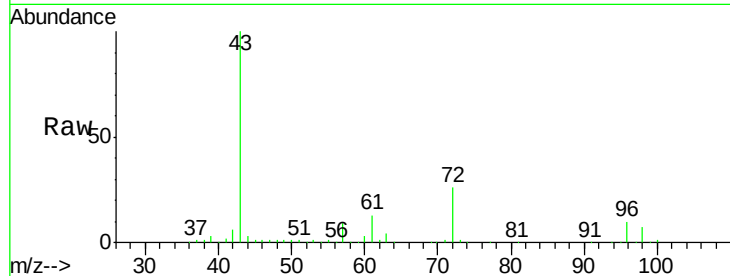




#22
 2-Butanone
 Concen: 190.946 ug/L
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

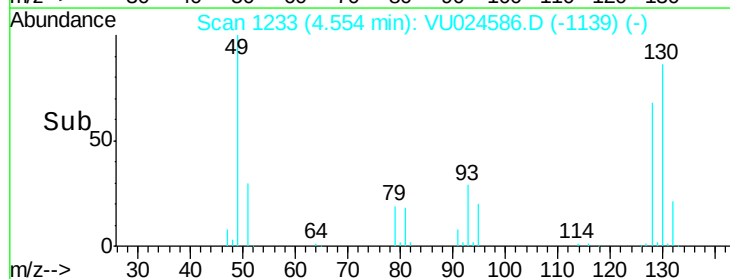
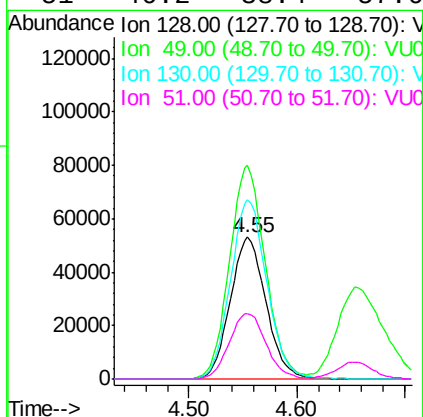
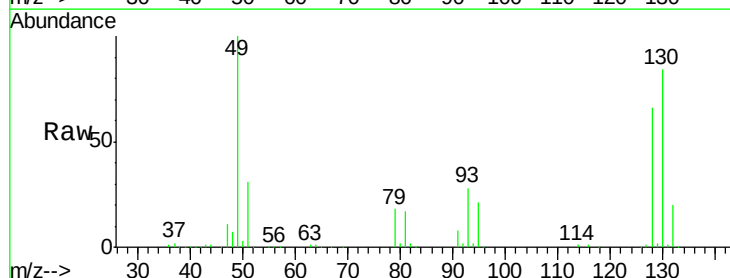
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

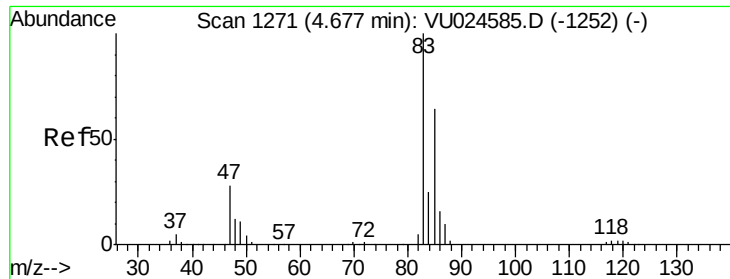
Tgt Ion: 43 Resp: 414029
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.1 39.3



#23
 Bromochloromethane
 Concen: 94.872 ug/L
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Tgt Ion: 128 Resp: 122760
 Ion Ratio Lower Upper
 128 100
 49 150.5 104.7 194.5
 130 126.4 90.2 167.6
 51 46.2 38.4 57.6

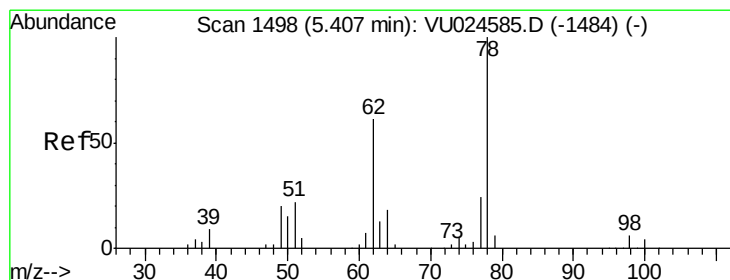
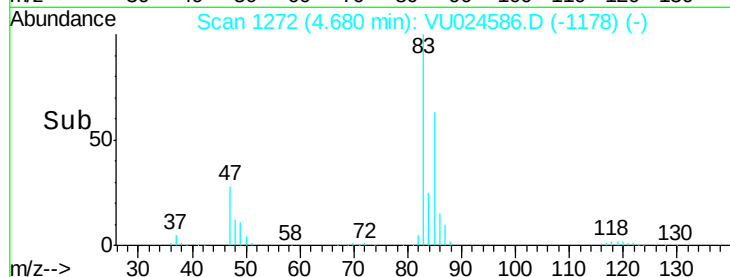
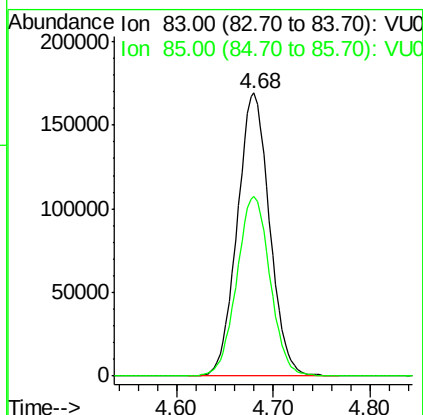
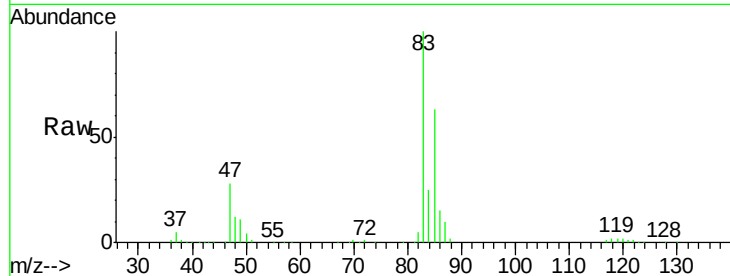




#25
Chloroform
Concen: 93.353 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

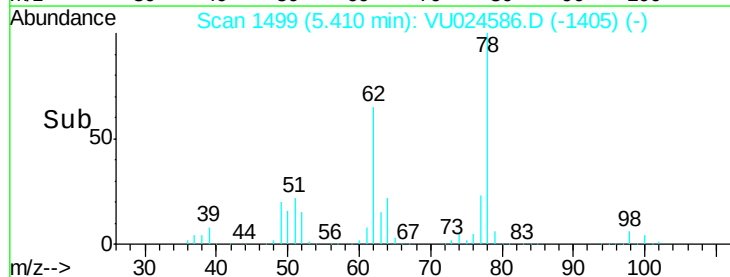
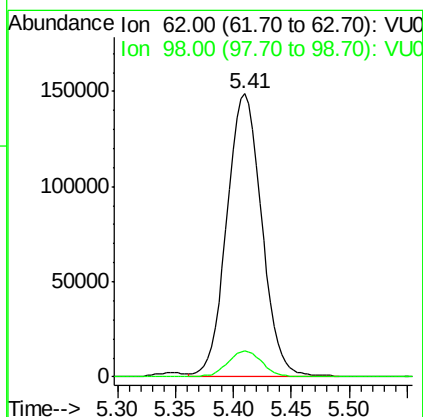
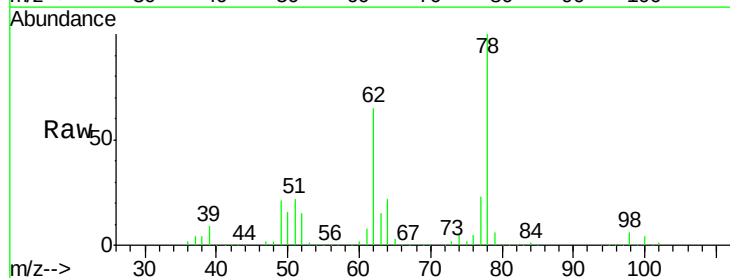
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

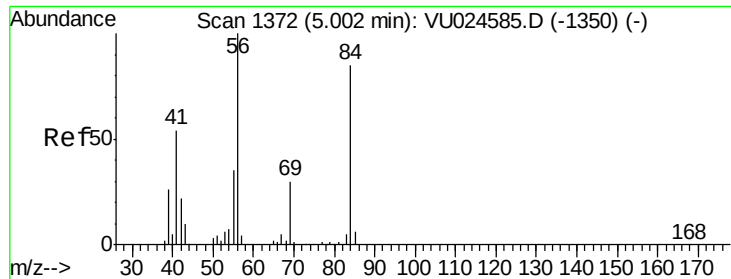
Tgt Ion: 83 Resp: 392221
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 95.425 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

Tgt Ion: 62 Resp: 309013
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.2

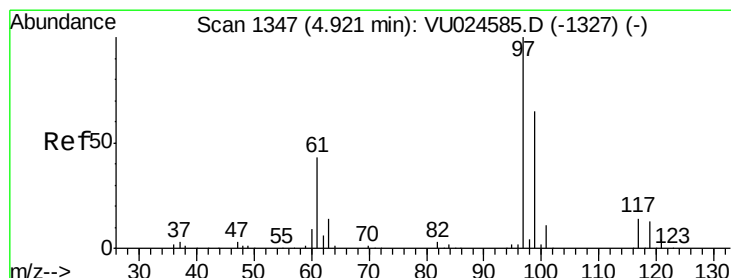
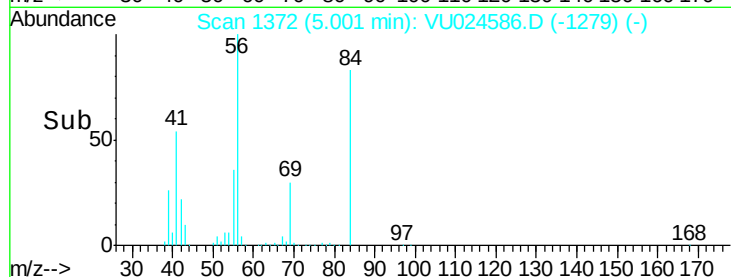
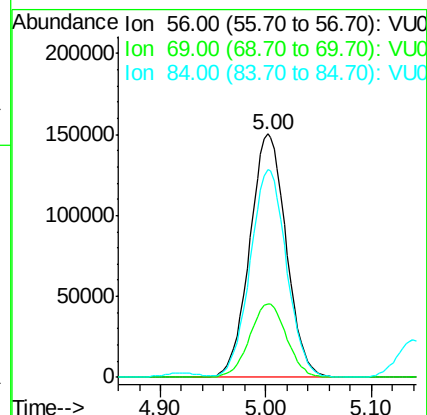
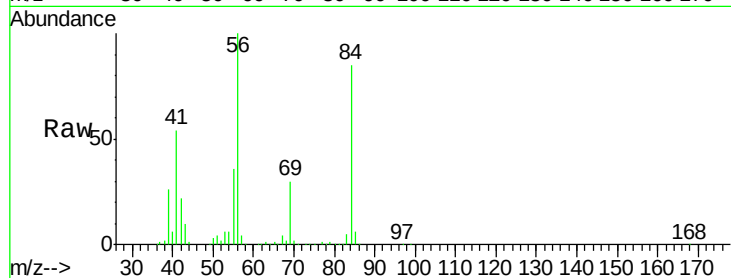




#29
Cyclohexane
Concen: 94.001 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

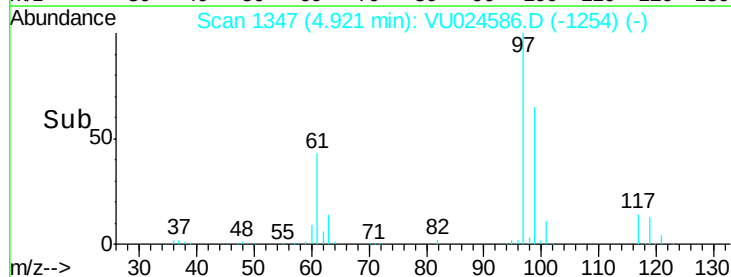
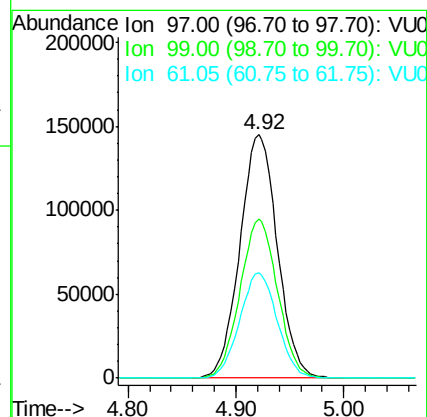
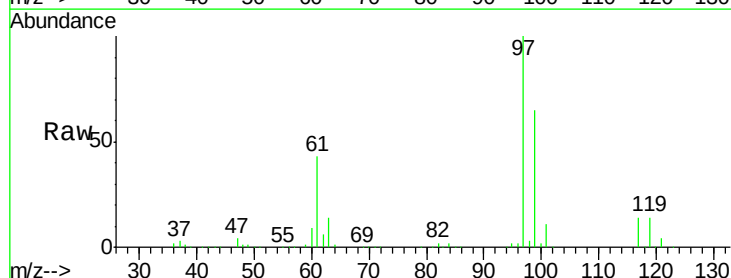
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

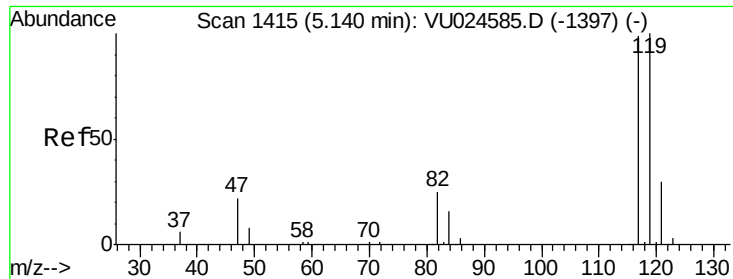
Tgt Ion: 56 Resp: 361327
Ion Ratio Lower Upper
56 100
69 30.7 24.7 37.1
84 84.8 68.8 103.2



#30
1,1,1-Trichloroethane
Concen: 93.310 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

Tgt Ion: 97 Resp: 350499
Ion Ratio Lower Upper
97 100
99 65.2 51.4 77.0
61 43.3 33.8 50.8

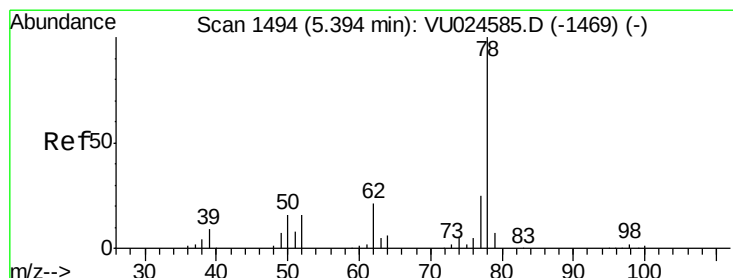
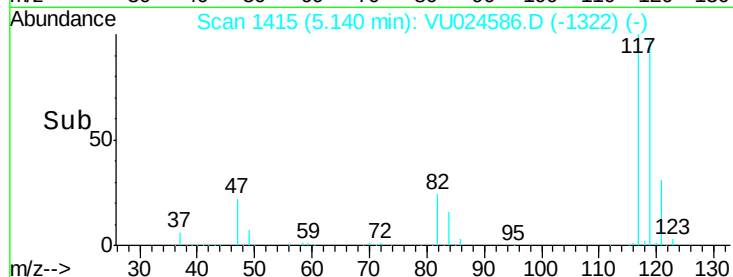
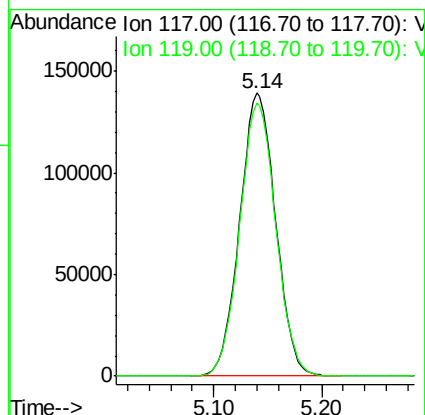
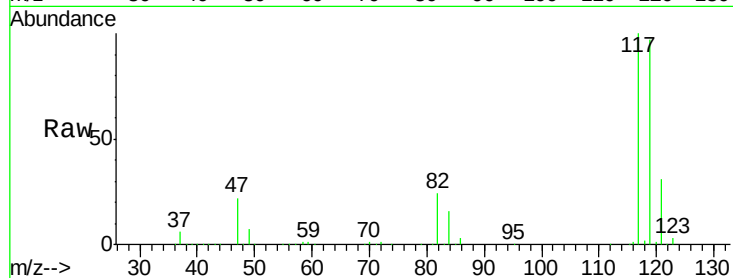




#31
Carbon tetrachloride
Concen: 93.857 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

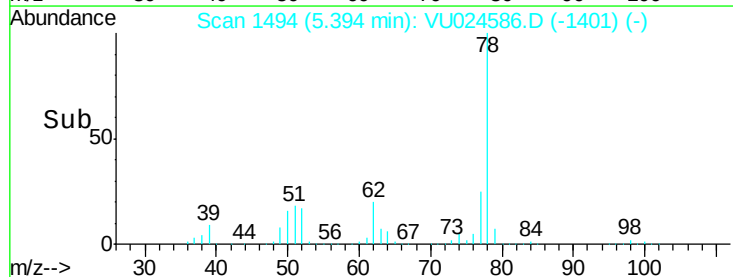
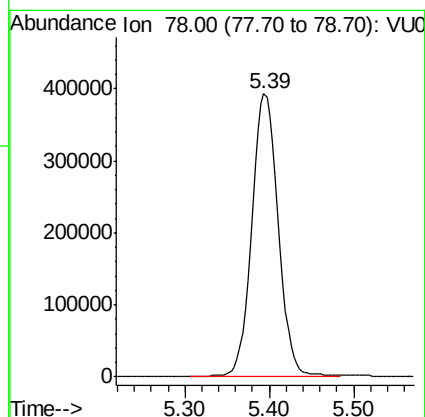
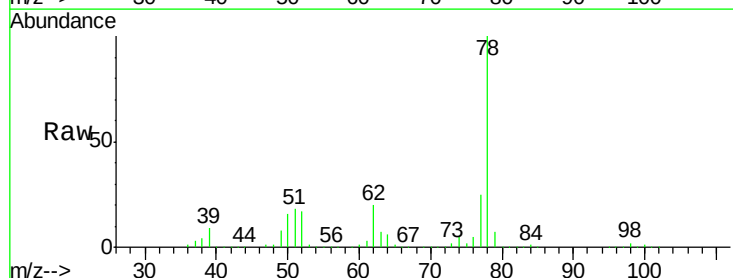
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

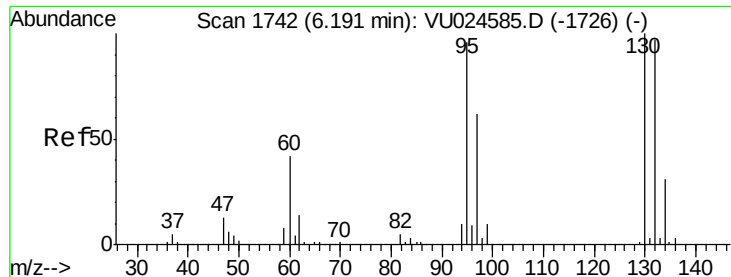
Tgt Ion:117 Resp: 322684
Ion Ratio Lower Upper
117 100
119 97.0 77.7 116.5



#33
Benzene
Concen: 94.101 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

Tgt Ion: 78 Resp: 857449





#34

Trichloroethene

Concen: 94.067 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

Tgt Ion: 95 Resp: 236888

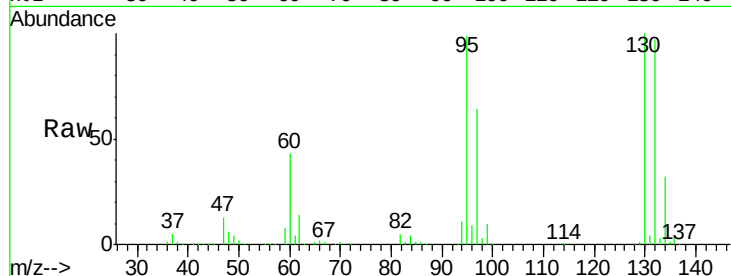
Ion Ratio Lower Upper

95 100

97 64.6 44.8 83.2

132 98.6 70.4 130.8

130 101.3 72.6 134.8

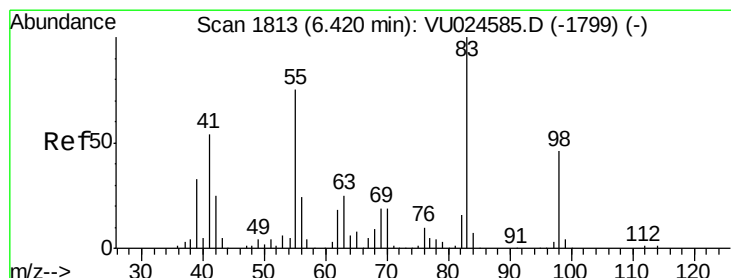
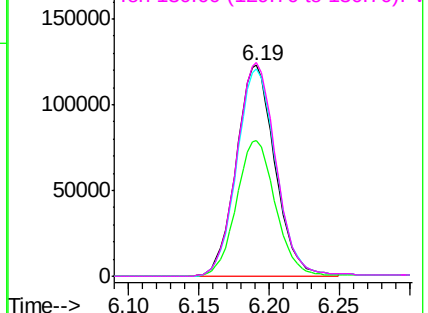
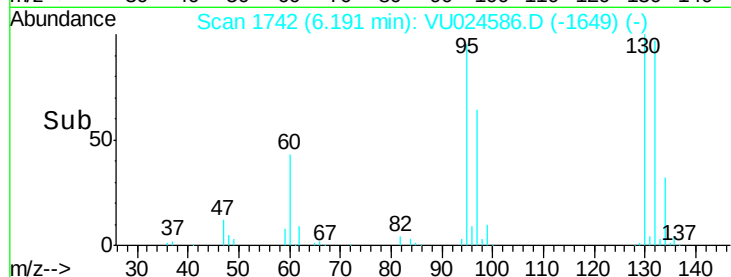


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 91.731 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

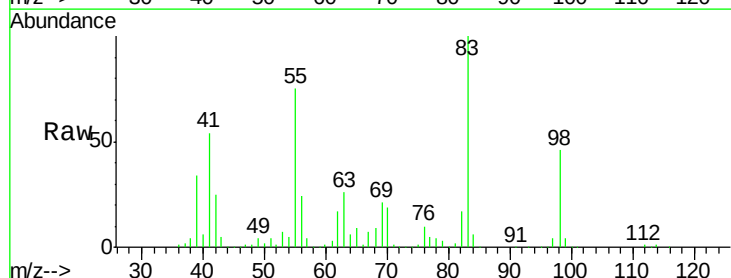
Tgt Ion: 83 Resp: 371358

Ion Ratio Lower Upper

83 100

55 75.2 59.4 89.0

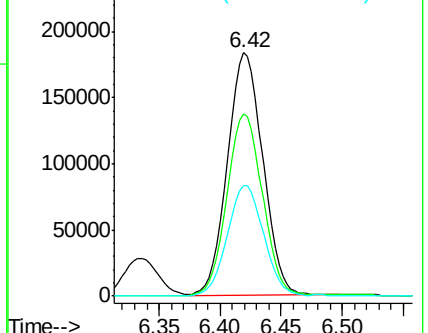
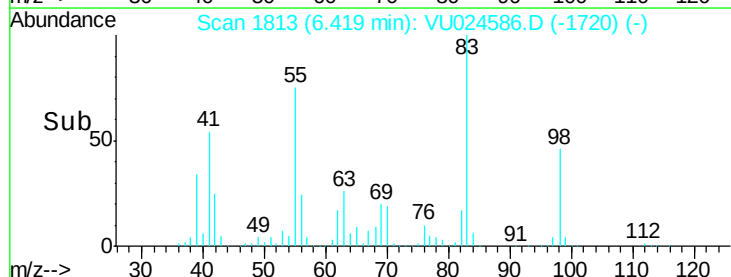
98 46.6 37.6 56.4

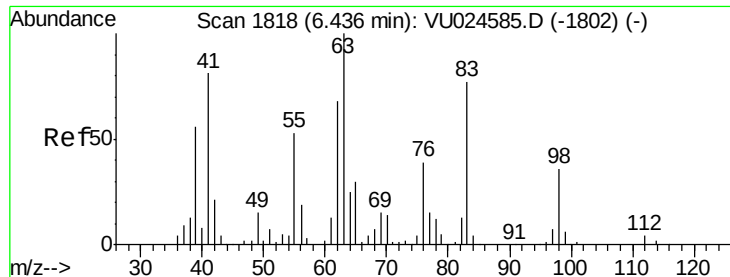


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

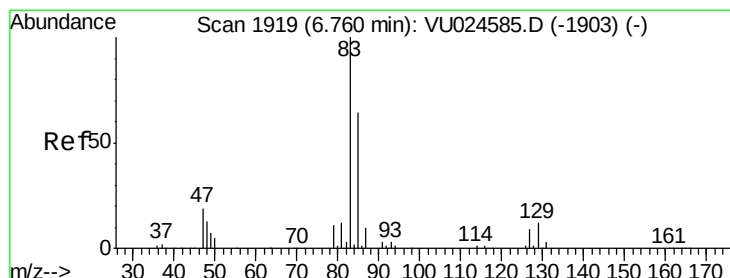
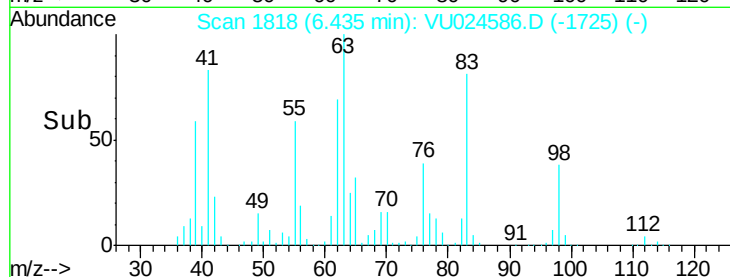
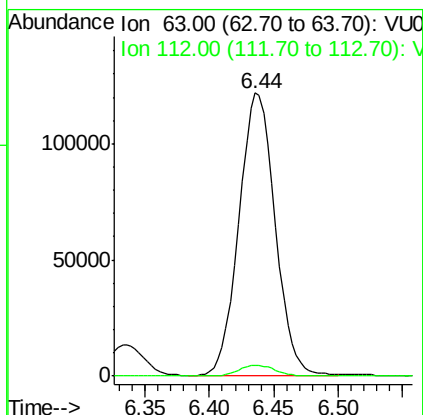
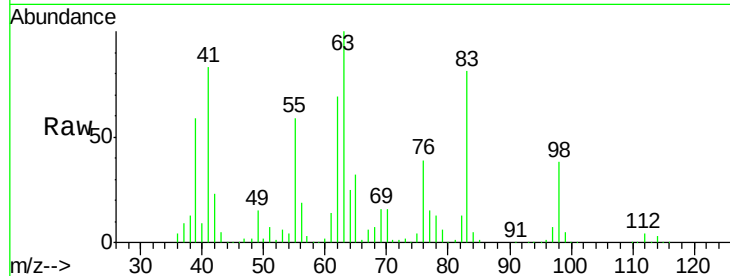




#37
 1,2-Dichloropropane
 Concen: 94.064 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

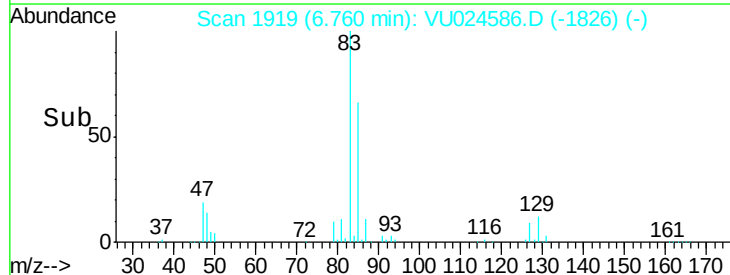
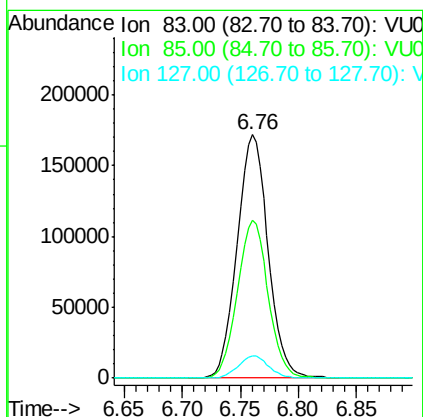
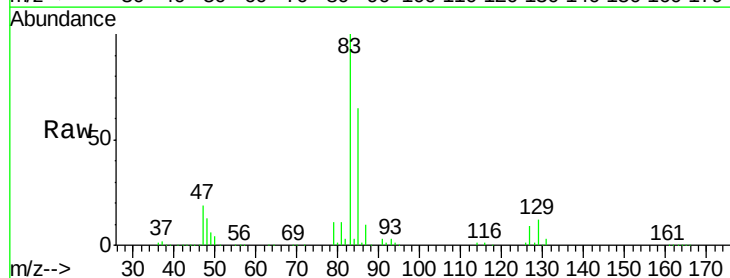
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

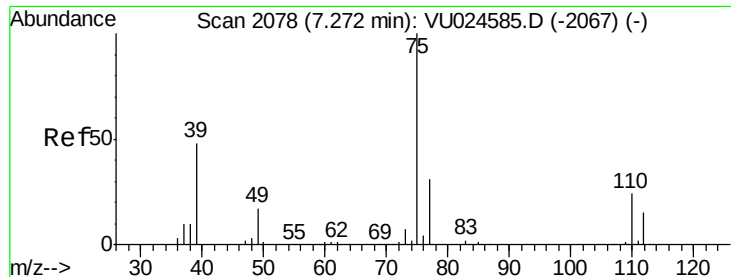
Tgt Ion: 63 Resp: 238251
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 95.093 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Tgt Ion: 83 Resp: 317476
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.9 83.3
 127 9.0 7.6 11.4

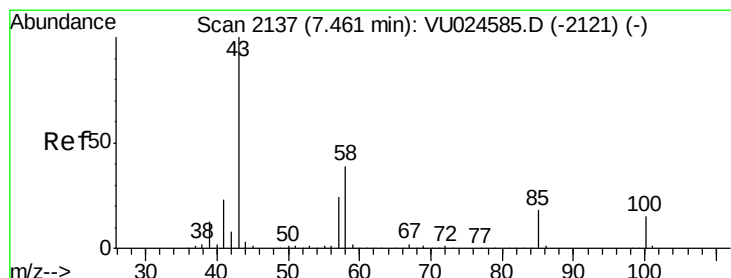
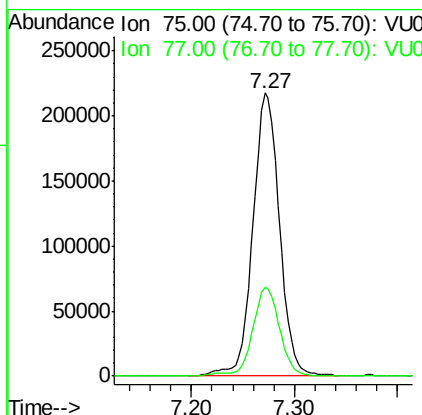
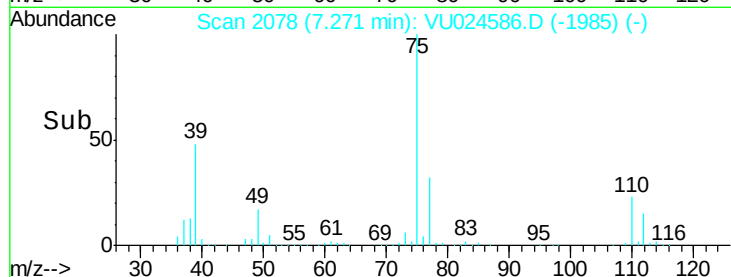
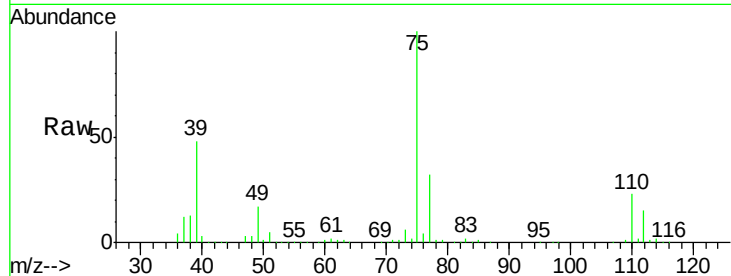




#39
 cis-1,3-Dichloropropene
 Concen: 98.019 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

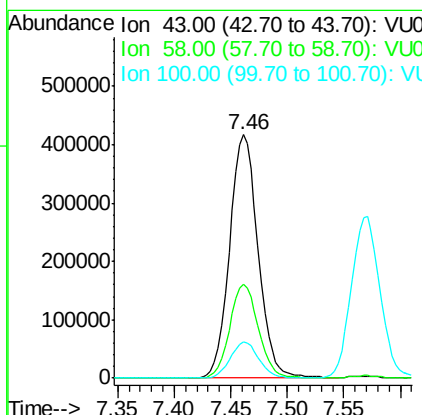
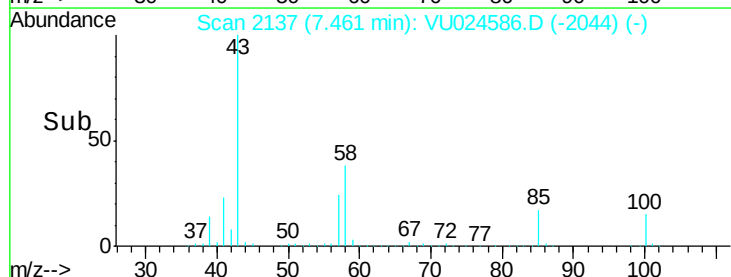
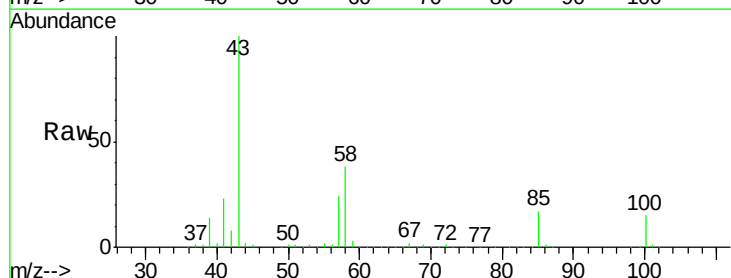
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

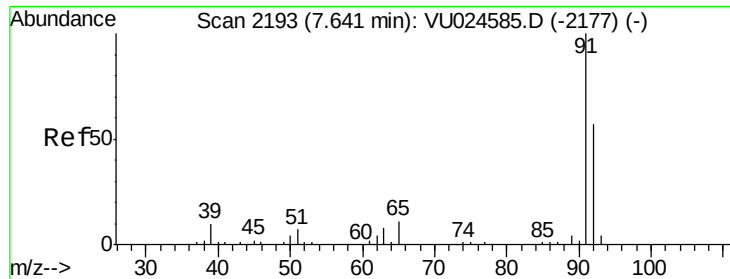
Tgt Ion: 75 Resp: 389164
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 194.219 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Tgt Ion: 43 Resp: 730424
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.0 46.6
 100 14.8 12.0 18.0





#42

Toluene

Concen: 94.949 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

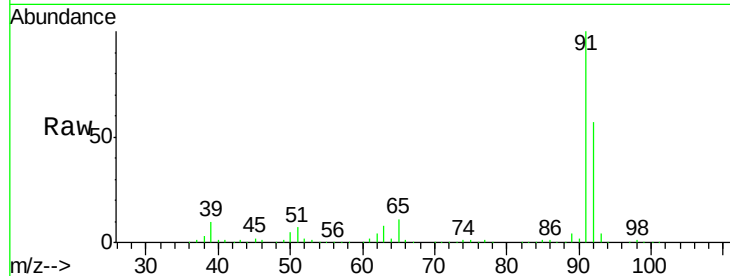
VSTD10043

Tgt Ion: 91 Resp: 961426

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

600000

500000

400000

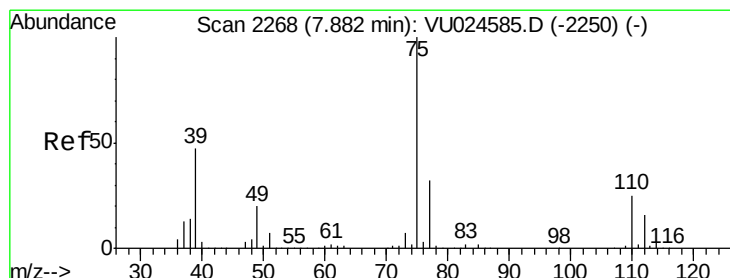
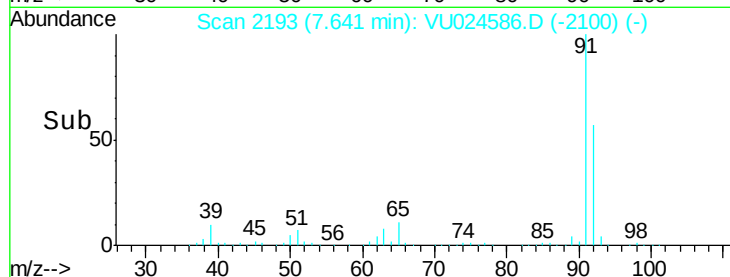
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 97.951 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024586.D

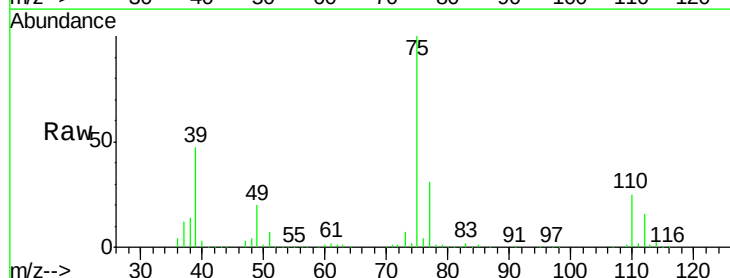
Acq: 15 Jun 2018 11:59

Tgt Ion: 75 Resp: 355656

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

250000

200000

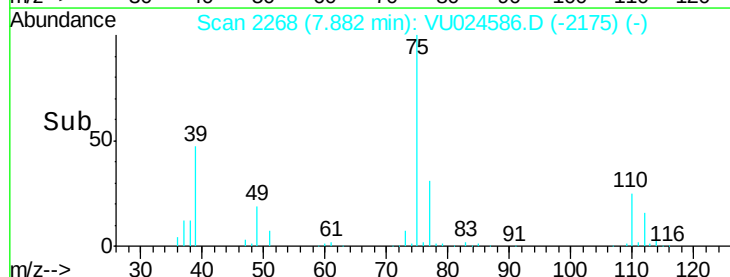
150000

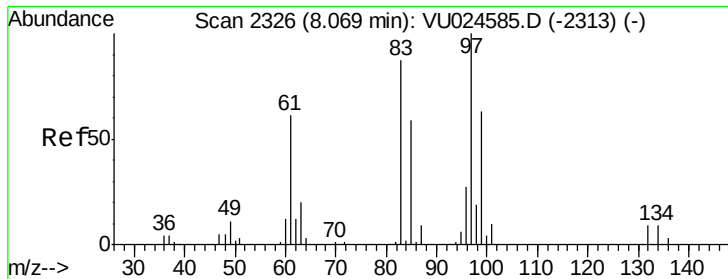
100000

50000

0

Time-->

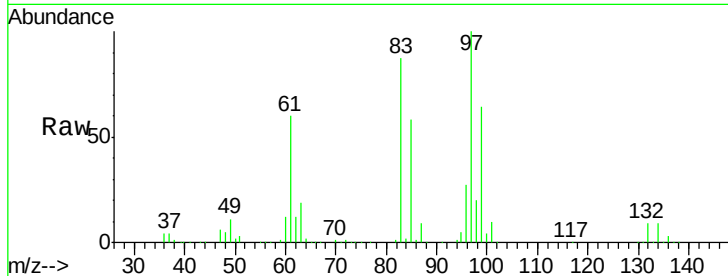




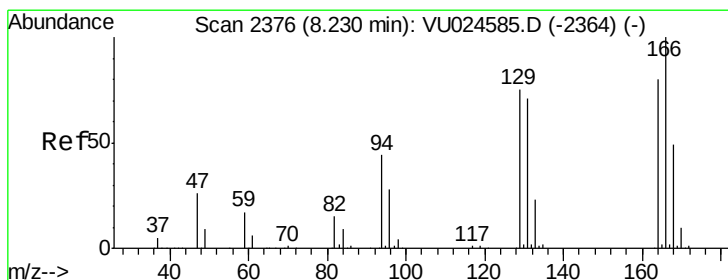
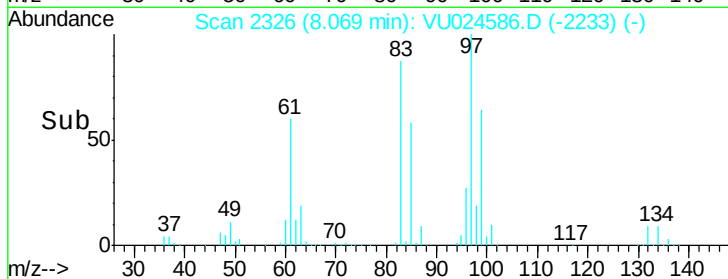
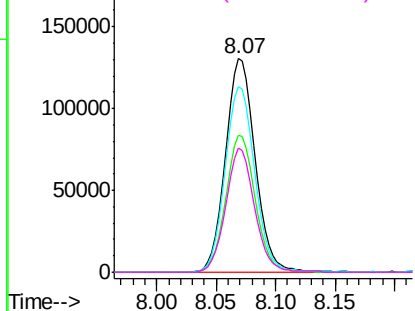
#45
 1,1,2-Trichloroethane
 Concen: 94.971 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

Tgt Ion:	97	Resp:	226343
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.0	81.8
83	86.9	61.0	113.2
85	57.9	41.3	76.7

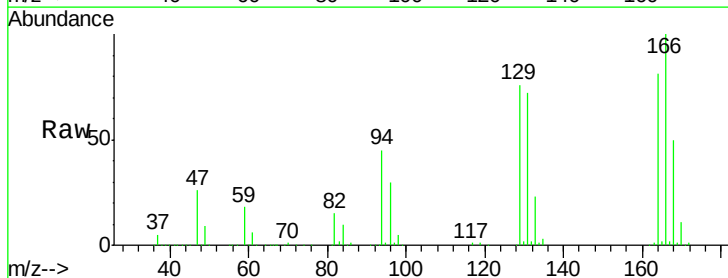


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

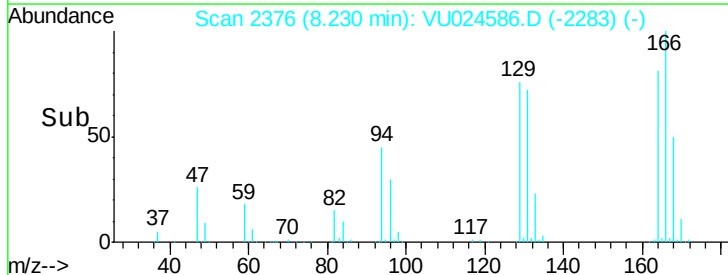
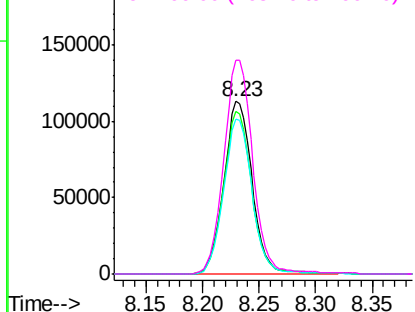


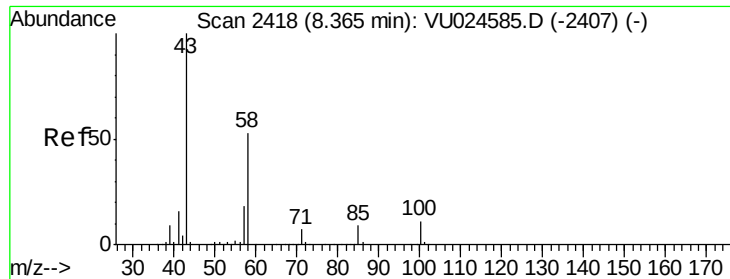
#46
 Tetrachloroethene
 Concen: 93.312 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Tgt Ion:	164	Resp:	197809
Ion	Ratio	Lower	Upper
164	100		
129	94.3	65.7	121.9
131	89.6	62.0	115.2
166	123.9	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

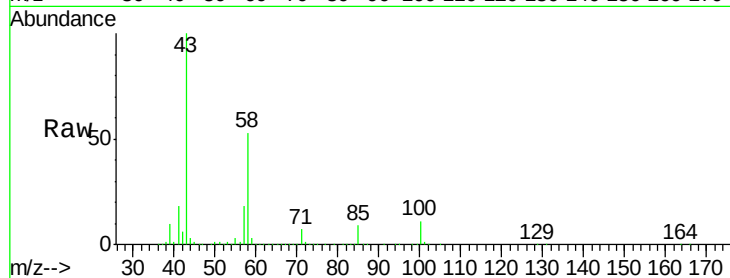




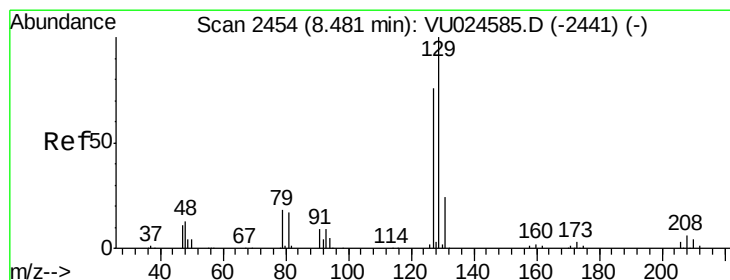
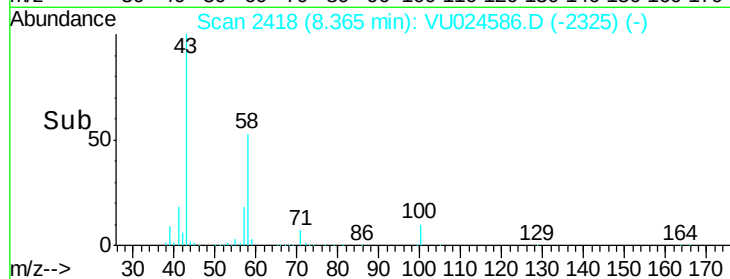
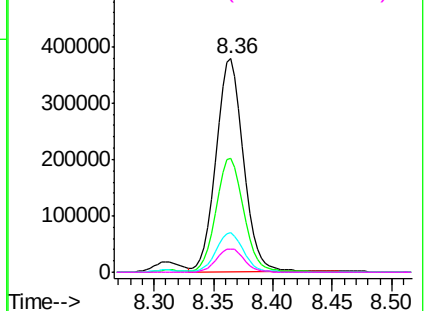
#48
2-Hexanone
Concen: 197.148 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

Tgt Ion: 43 Resp: 602470
Ion Ratio Lower Upper
43 100
58 53.8 42.6 63.8
57 18.7 14.7 22.1
100 11.2 9.0 13.4

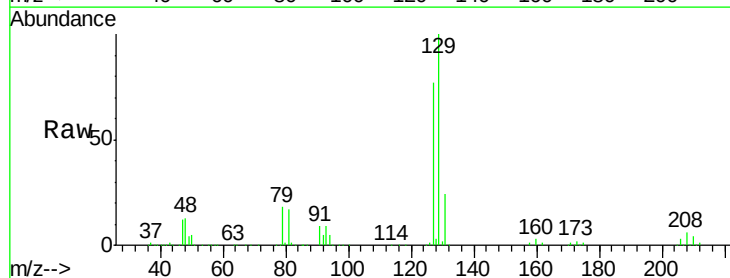


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

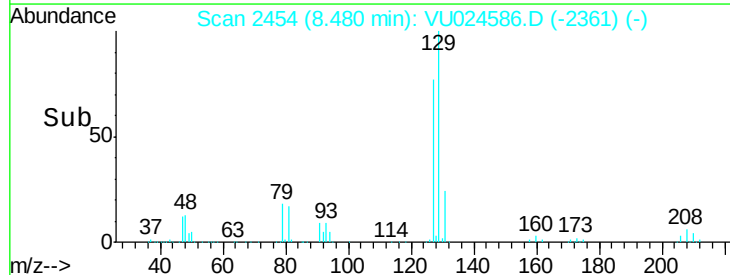
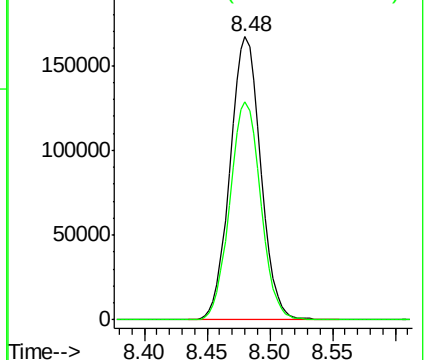


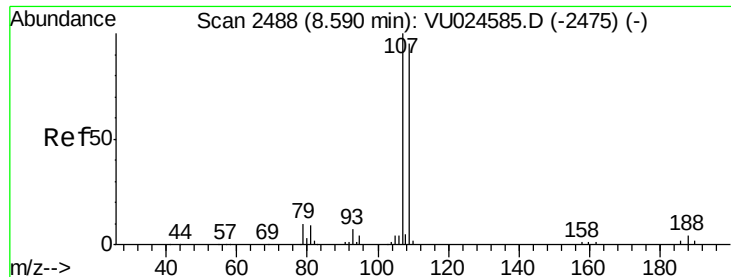
#49
Dibromochloromethane
Concen: 97.075 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

Tgt Ion: 129 Resp: 283474
Ion Ratio Lower Upper
129 100
127 77.1 52.9 98.3



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

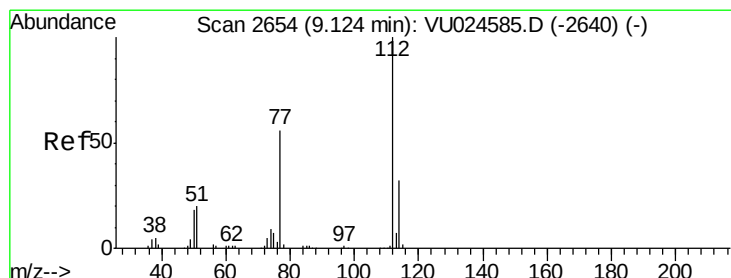
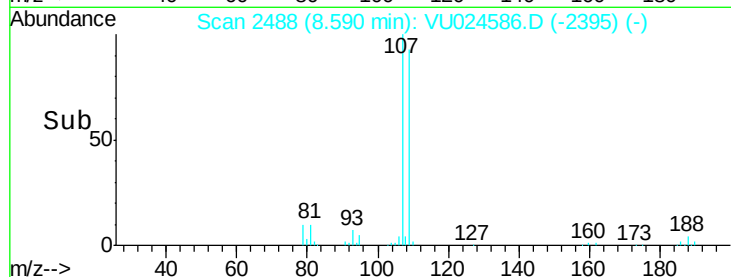
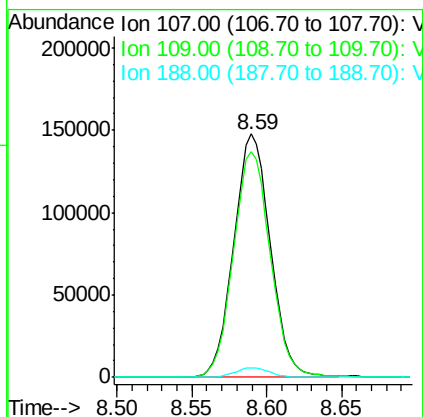
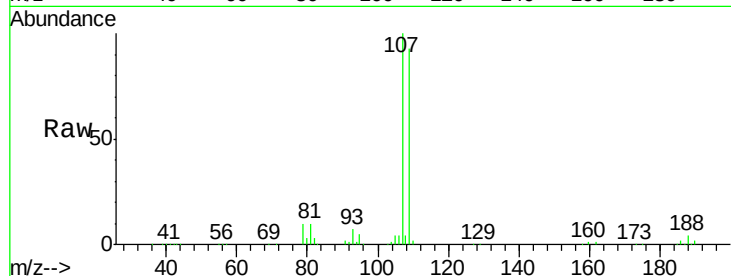




#50
1,2-Dibromoethane
Concen: 96.114 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

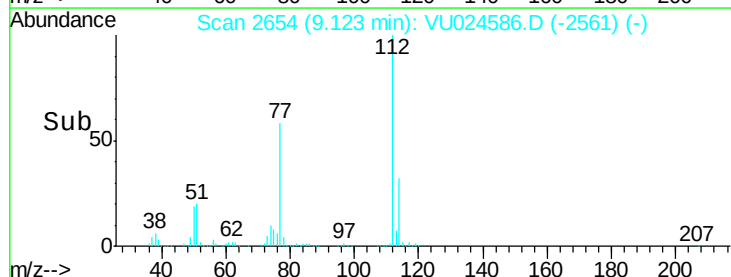
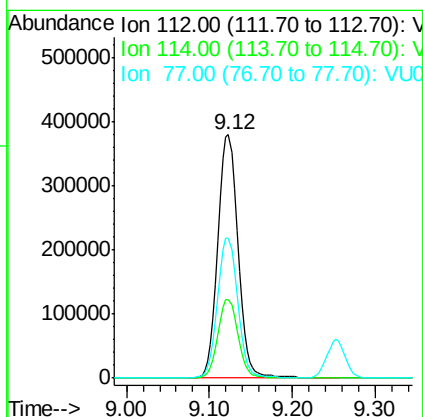
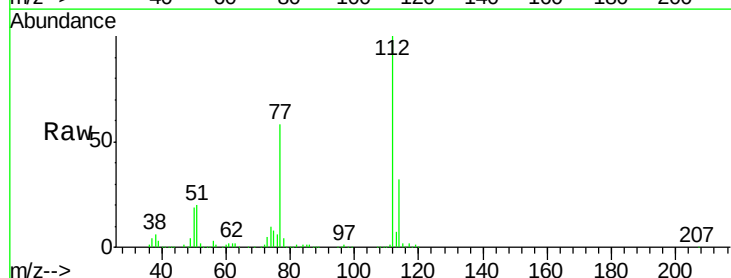
Instrument :
MSVOA_U
ClientSampleId :
VSTD10043

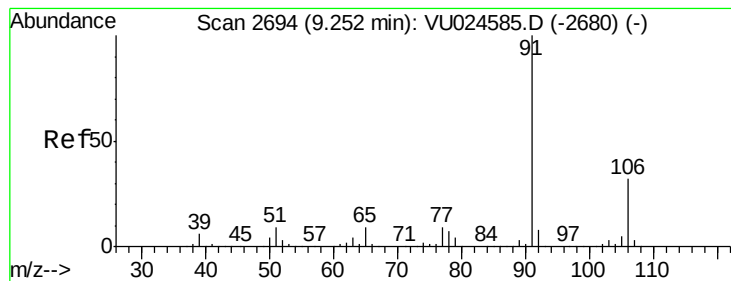
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	66.6	123.6
188	3.9	3.0	4.6



#51
Chlorobenzene
Concen: 94.379 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024586.D
Acq: 15 Jun 2018 11:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	57.7	45.0	67.6





#52

Ethylbenzene

Concen: 94.980 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

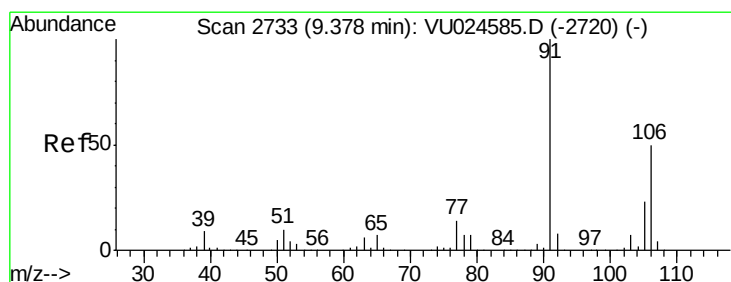
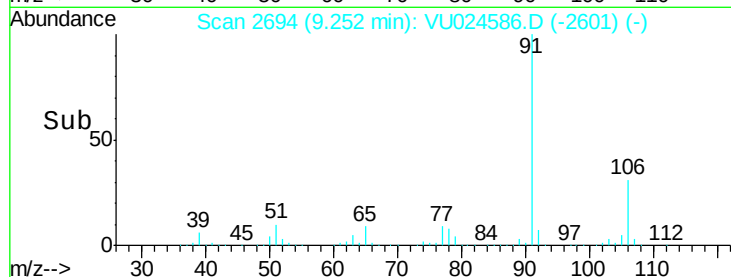
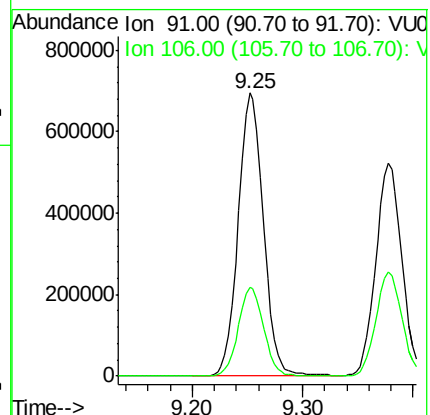
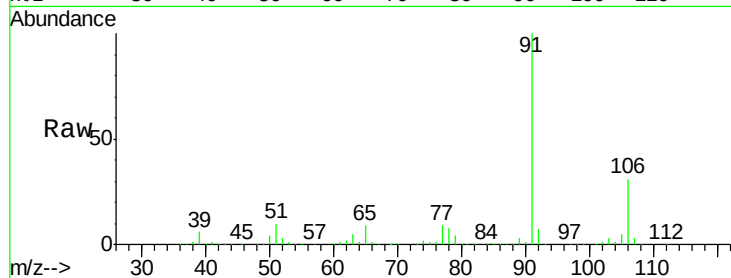
VSTD10043

Tgt Ion: 91 Resp: 1102626

Ion Ratio Lower Upper

91 100

106 31.4 22.0 41.0



#53

m,p-Xylene

Concen: 93.943 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024586.D

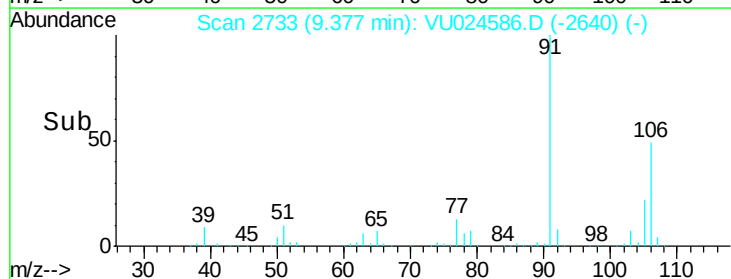
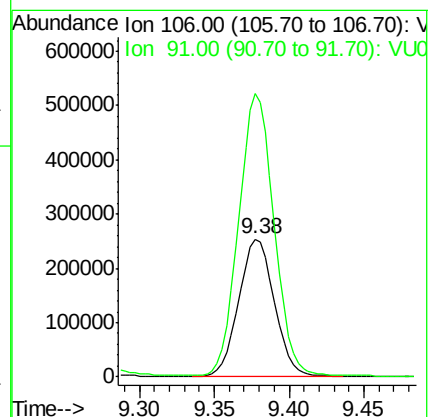
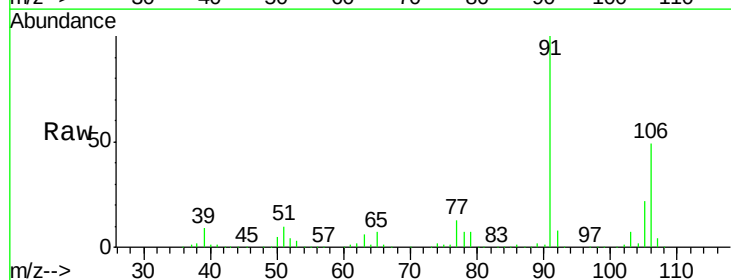
Acq: 15 Jun 2018 11:59

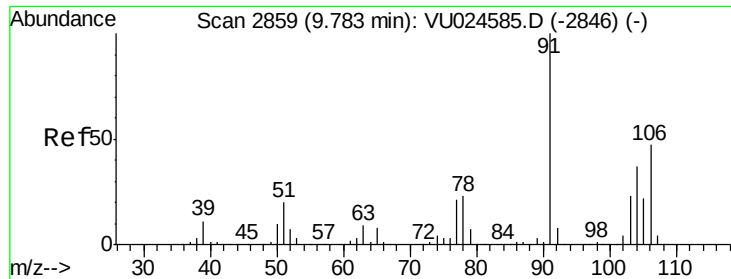
Tgt Ion: 106 Resp: 419677

Ion Ratio Lower Upper

106 100

91 205.1 141.5 262.7





#54

o-xylene

Concen: 95.342 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

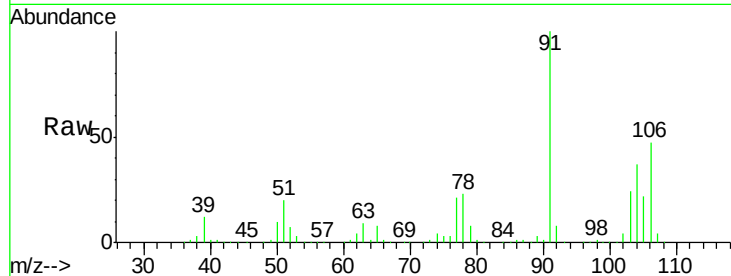
VSTD10043

Tgt Ion:106 Resp: 420194

Ion Ratio Lower Upper

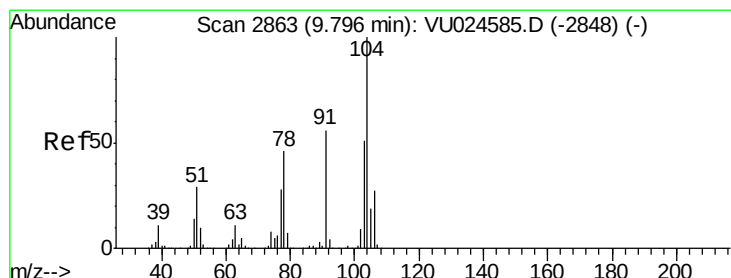
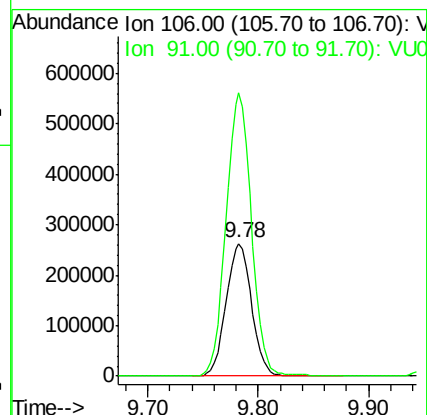
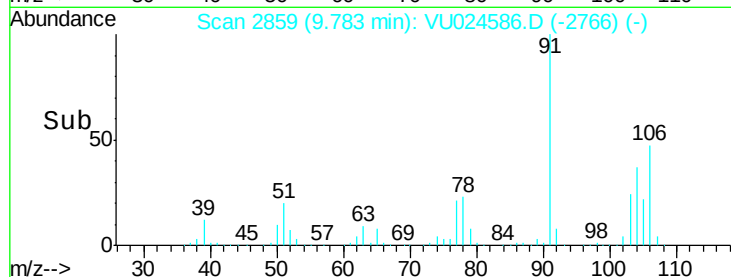
106 100

91 213.1 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 96.732 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU024586.D

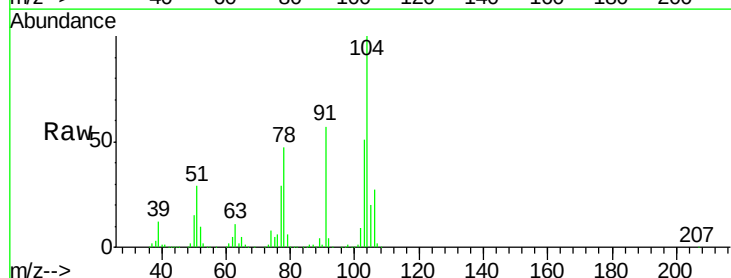
Acq: 15 Jun 2018 11:59

Tgt Ion:104 Resp: 724911

Ion Ratio Lower Upper

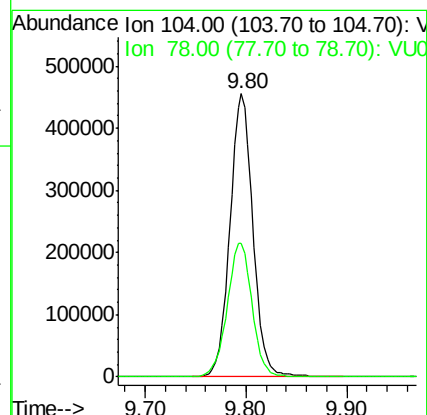
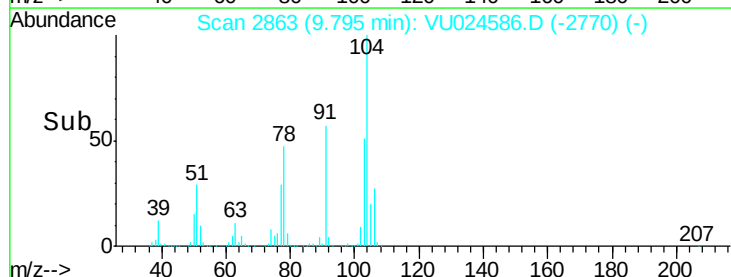
104 100

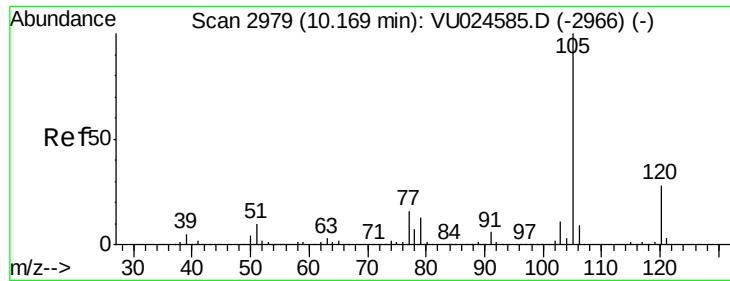
78 47.3 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 95.829 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

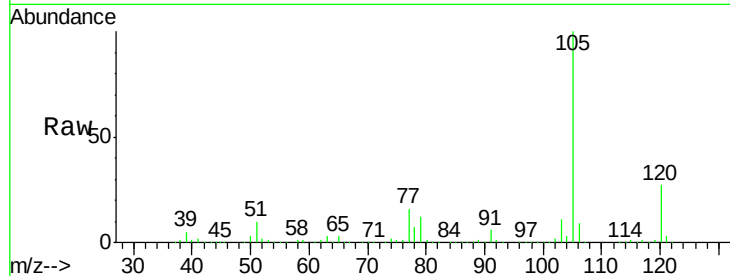
Tgt Ion:105 Resp: 1114334

Ion Ratio Lower Upper

105 100

120 27.1 22.1 33.1

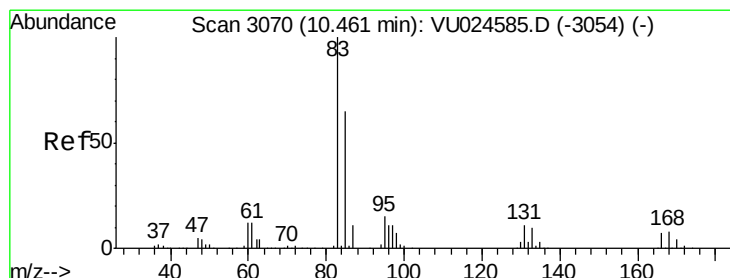
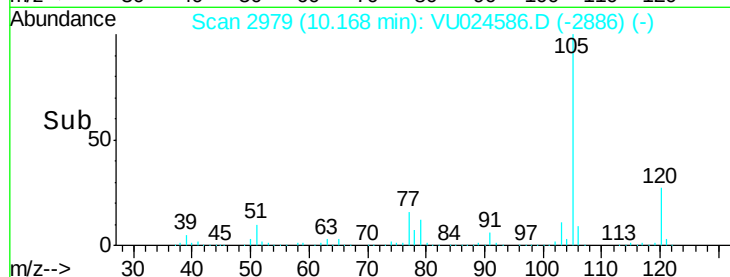
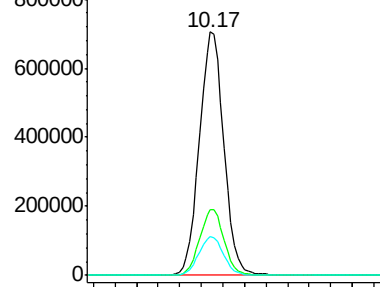
77 16.0 12.7 19.1



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: 95.237 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

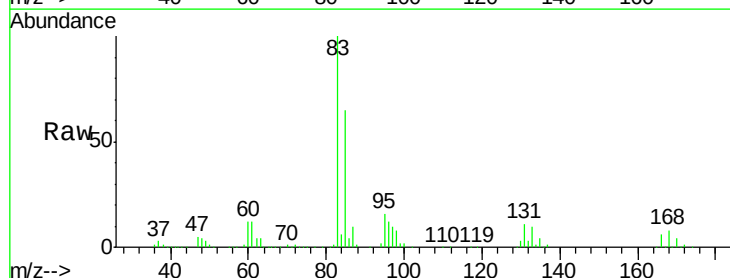
Tgt Ion: 83 Resp: 391090

Ion Ratio Lower Upper

83 100

85 65.0 45.9 85.3

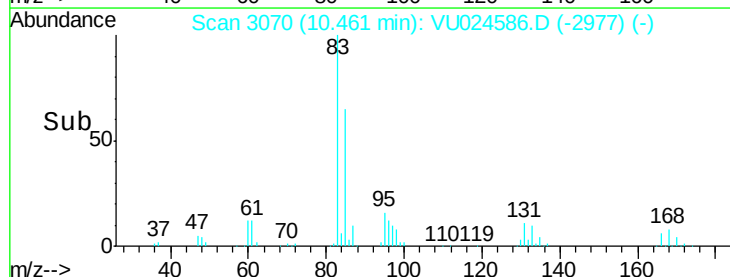
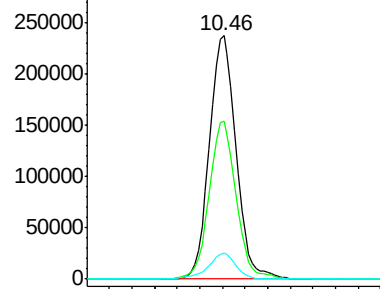
131 10.6 8.6 12.8

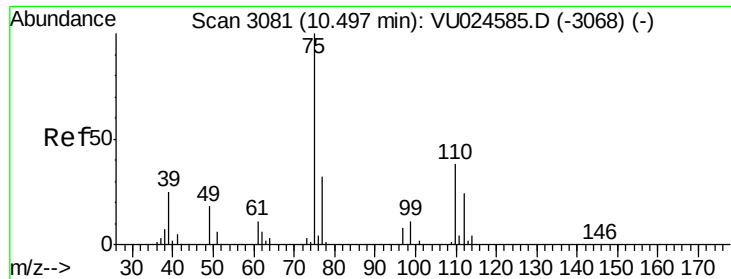


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

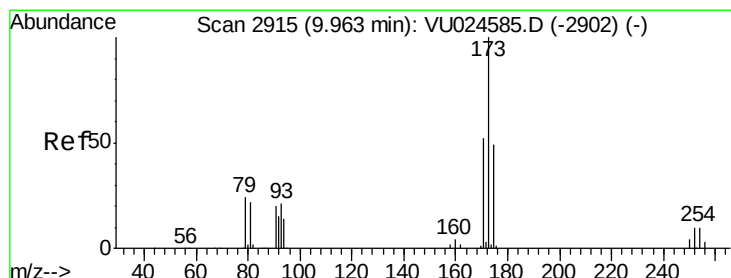
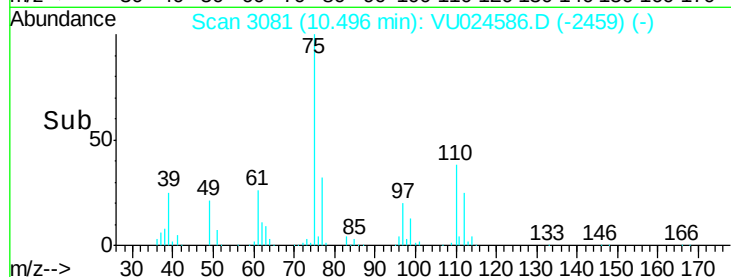
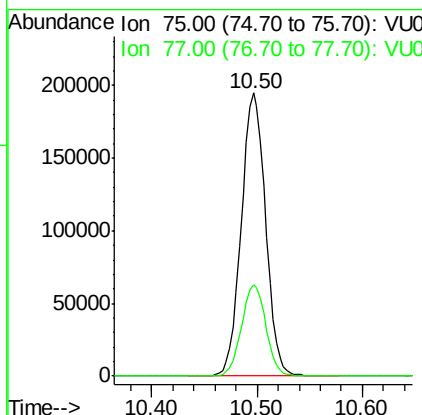
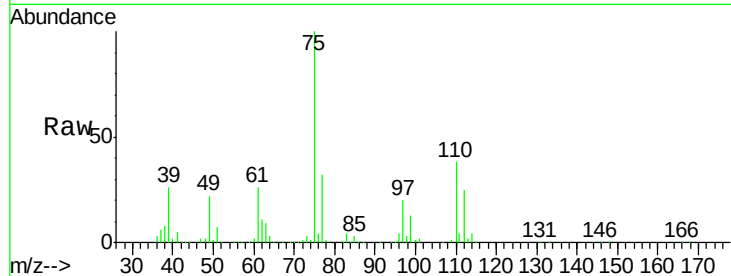




#59
 1,2,3-Trichloropropane
 Concen: 96.708 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

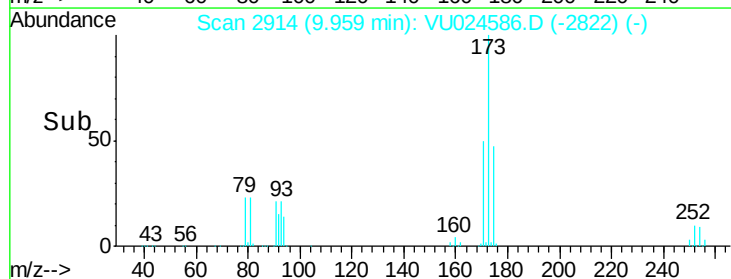
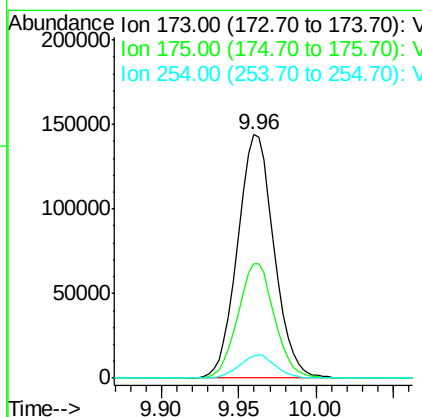
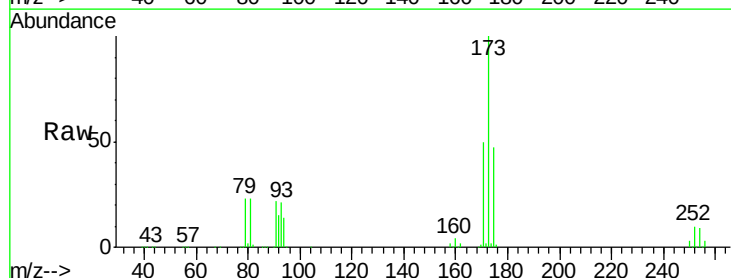
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

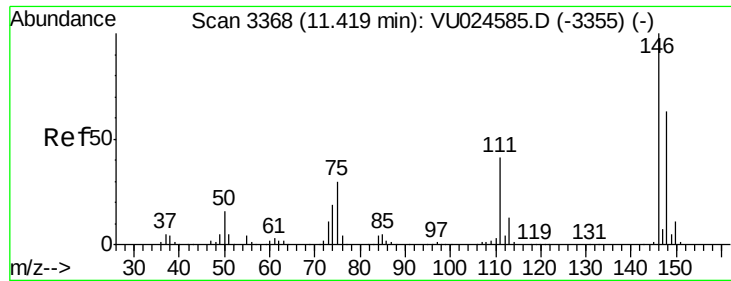
Tgt Ion: 75 Resp: 311380
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.3 39.5



#61
 Bromoform
 Concen: 94.976 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Tgt Ion: 173 Resp: 235844
 Ion Ratio Lower Upper
 173 100
 175 47.4 39.3 58.9
 254 9.5 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 93.225 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

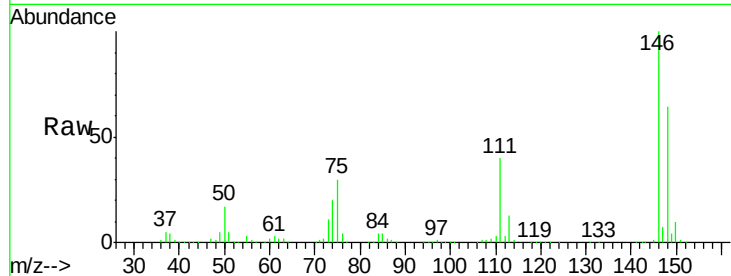
Tgt Ion:146 Resp: 536291

Ion Ratio Lower Upper

146 100

111 39.6 28.4 52.8

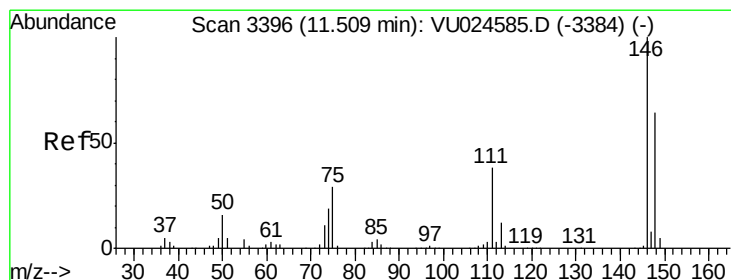
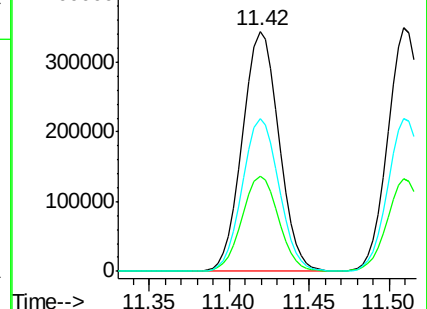
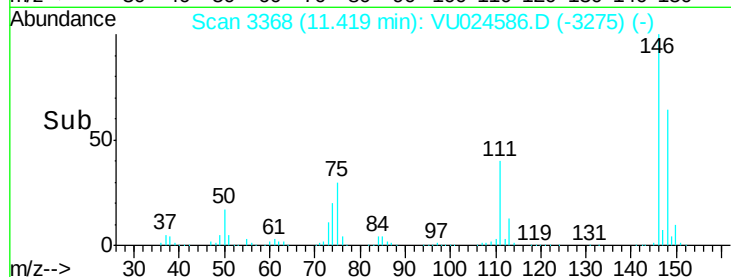
148 63.6 44.3 82.3



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: 93.242 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

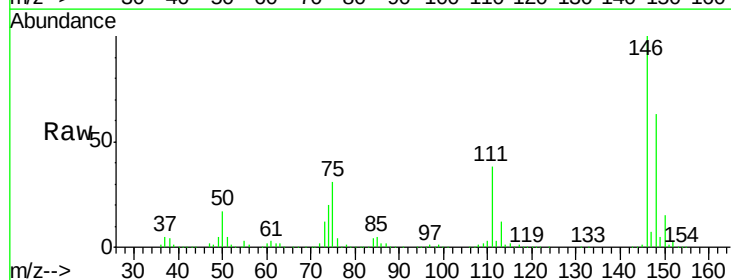
Tgt Ion:146 Resp: 541033

Ion Ratio Lower Upper

146 100

111 38.1 26.5 49.1

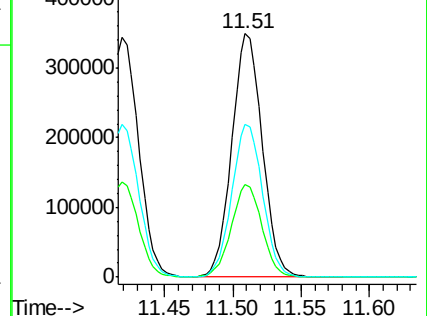
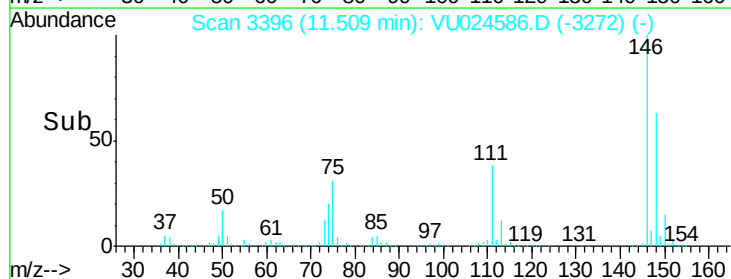
148 62.9 44.6 82.8

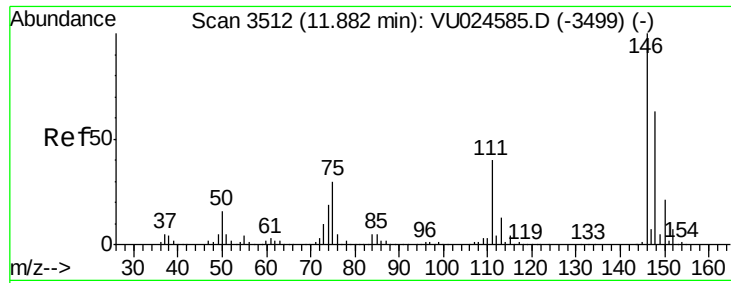


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

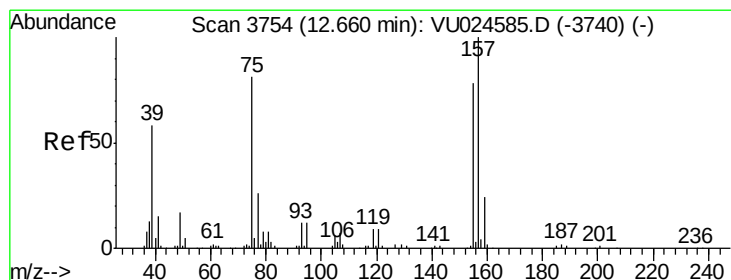
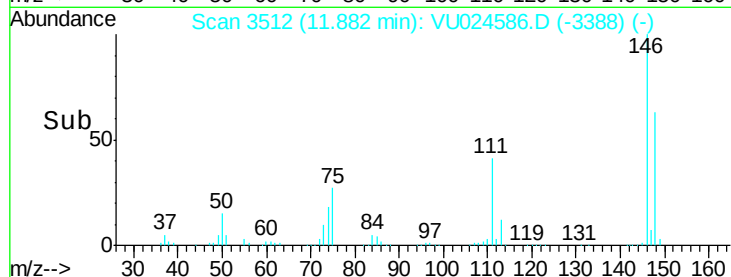
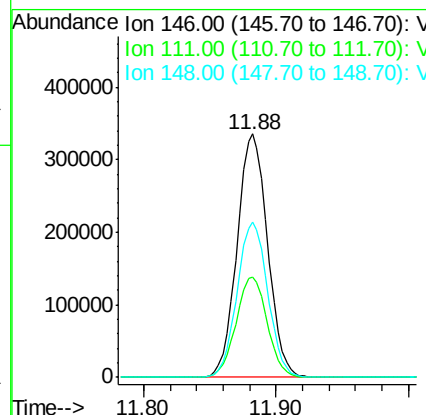
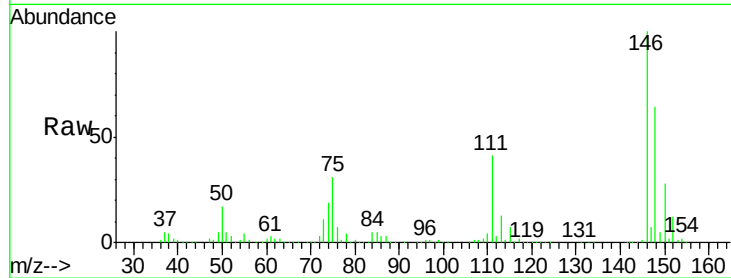




#65
 1,2-Dichlorobenzene
 Concen: 93.017 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

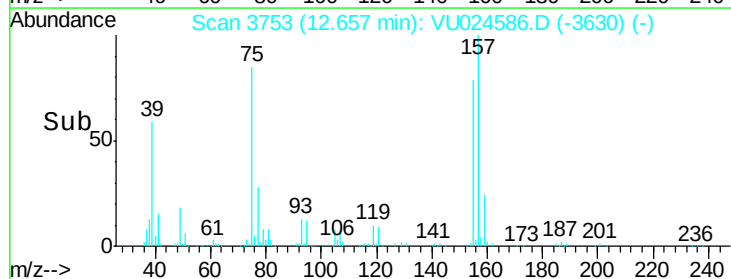
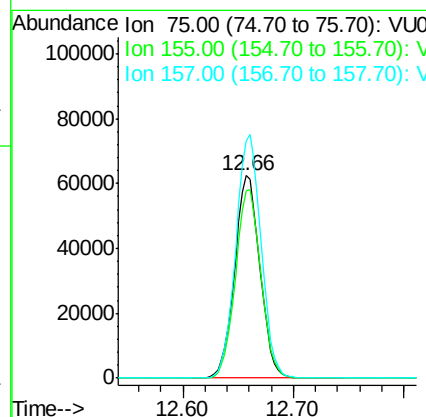
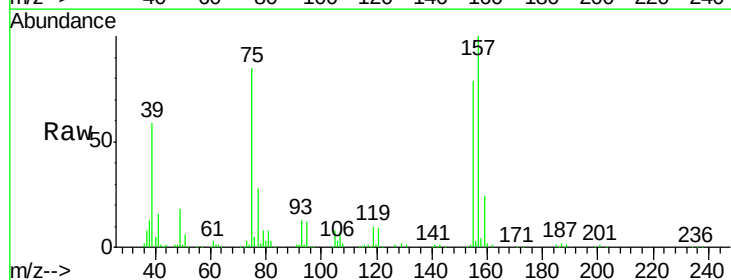
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

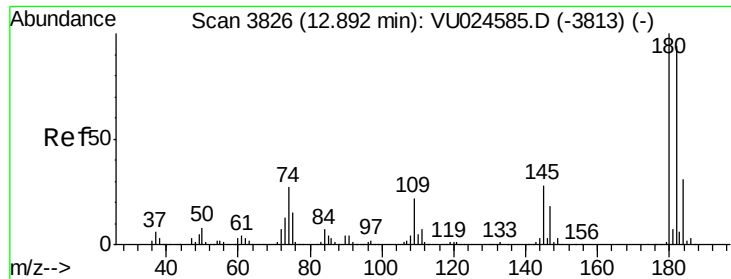
Tgt Ion: 146 Resp: 535500
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.2 48.4
 148 63.6 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 98.748 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Tgt Ion: 75 Resp: 99490
 Ion Ratio Lower Upper
 75 100
 155 92.6 76.8 115.2
 157 117.7 98.4 147.6

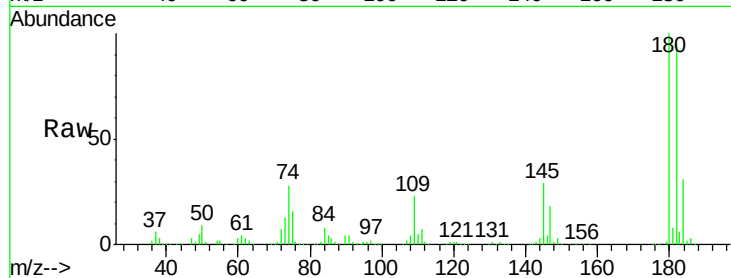




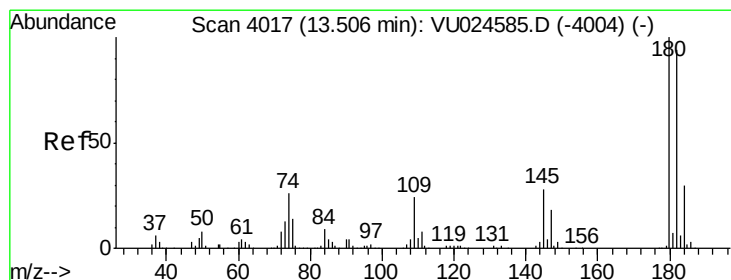
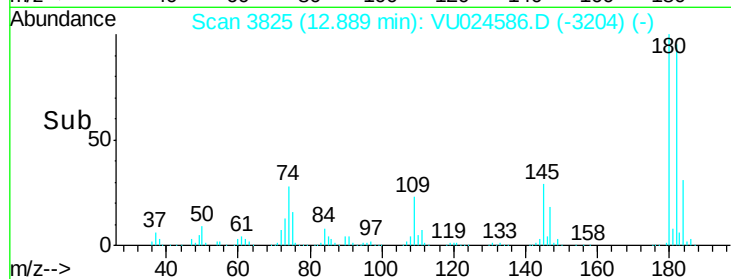
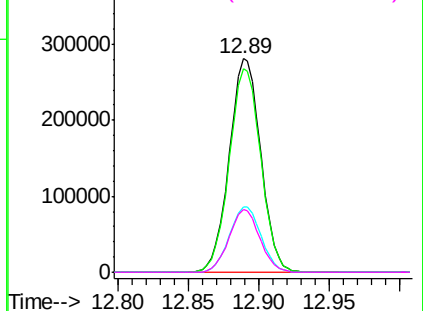
#67
 1,3,5-Trichlorobenzene
 Concen: 95.186 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10043

Tgt Ion:180 Resp: 437805
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 184 30.8 24.7 37.1
 145 28.7 22.6 34.0

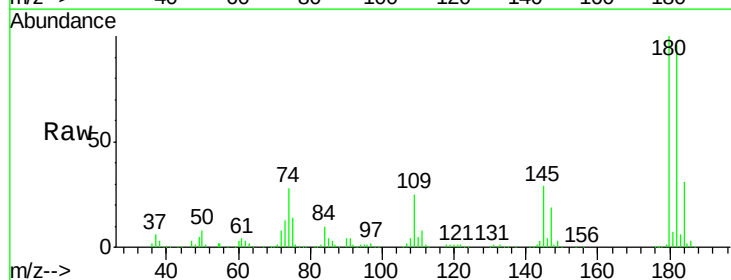


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

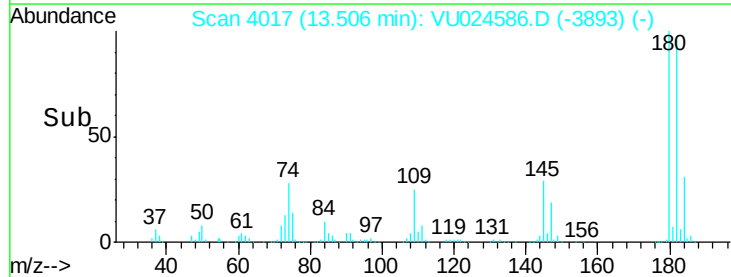
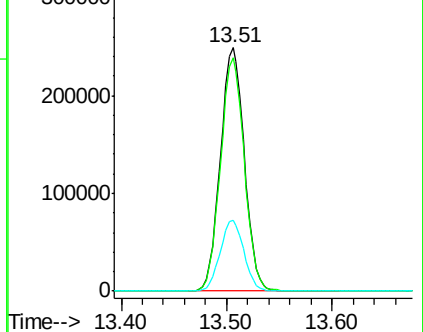


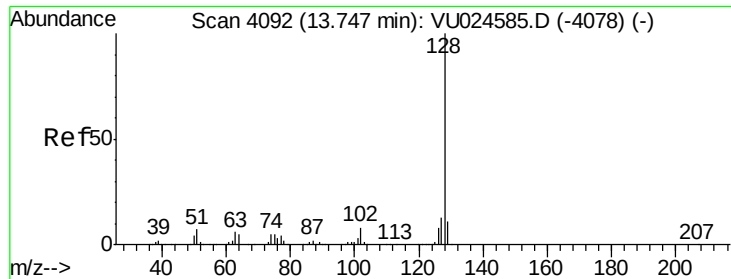
#68
 1,2,4-trichlorobenzene
 Concen: 102.111 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024586.D
 Acq: 15 Jun 2018 11:59

Tgt Ion:180 Resp: 390610
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 145 28.9 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: 105.225 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD10043

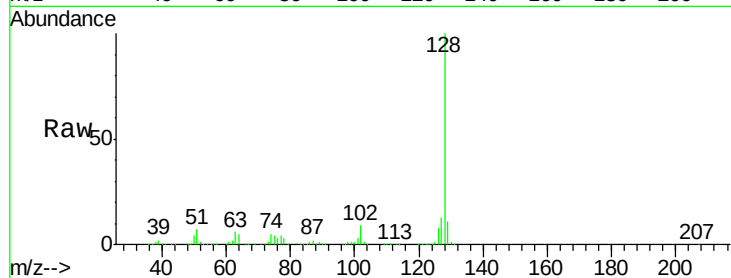
Tgt Ion:128 Resp: 1111761

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

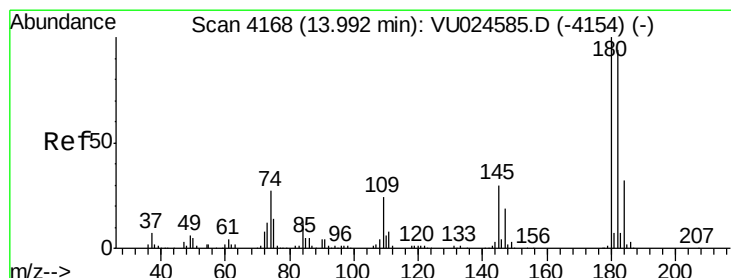
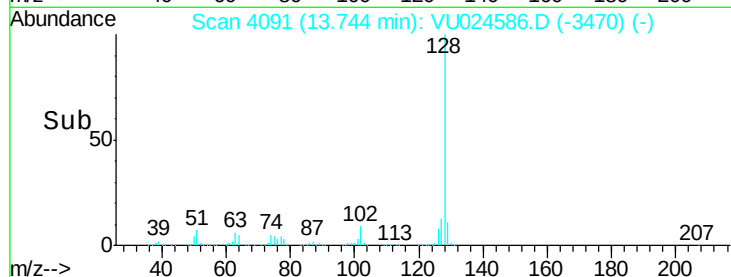
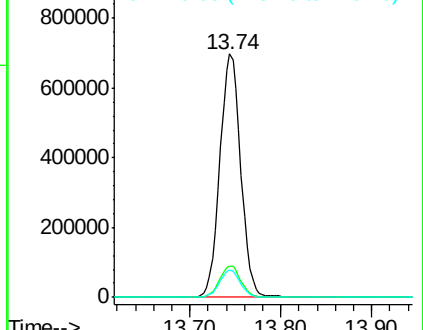
129 11.0 8.7 13.1



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: 100.812 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024586.D

Acq: 15 Jun 2018 11:59

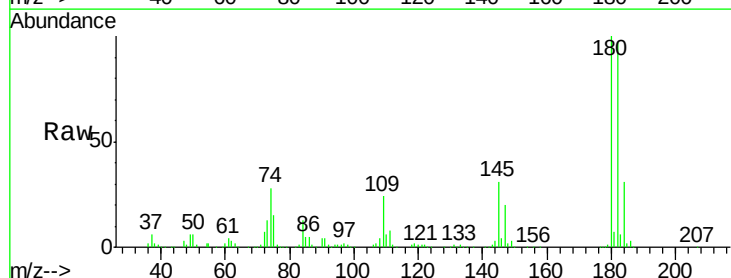
Tgt Ion:180 Resp: 391045

Ion Ratio Lower Upper

180 100

182 96.2 76.4 114.6

145 30.7 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

