

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
 Data File : VU025982.D
 Acq On : 08 Aug 2018 20:54
 Operator : MD/SY
 Sample : VSTD20046
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20046

Quant Time: Aug 09 01:28:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:26:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	325715	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	317858	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	174953	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	473743	249.33	ug/L	0.00
7) Chloroethane-d5	1.66	69	367683	254.42	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	874489	234.39	ug/L	0.00
21) 2-Butanone-d5	4.18	46	798945	583.55	ug/L	0.00
24) Chloroform-d	4.65	84	1007070	266.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	659246	263.66	ug/L	0.00
32) Benzene-d6	5.34	84	1945107	257.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	624384	264.19	ug/L	0.00
41) Toluene-d8	7.57	98	1905543	261.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	334972	272.85	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	630098	624.41	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	944471	283.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	837060	266.72	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	556492	218.420	ug/L	99
3) Chloromethane	1.33	50	492311	227.239	ug/L	99
5) Vinyl chloride	1.40	62	491621	214.605	ug/L	98
6) Bromomethane	1.60	94	221458	206.867	ug/L	99
8) Chloroethane	1.68	64	282262	213.176	ug/L	96
9) Trichlorofluoromethane	1.88	101	679013	207.299	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	385357	207.571	ug/L	99
12) 1,1-Dichloroethene	2.28	96	360552	213.069	ug/L	93
13) Acetone	2.32	43	445520	312.847	ug/L	98
14) Carbon disulfide	2.47	76	1238892	208.747	ug/L	99
15) Methyl Acetate	2.61	43	488954	212.114	ug/L	98
16) Methylene chloride	2.70	84	452759	208.696	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	417085	204.910	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	1399560	215.385	ug/L	99
19) 1,1-Dichloroethane	3.45	63	793948	213.253	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	481864	211.475	ug/L	100
22) 2-Butanone	4.26	43	706375	388.471	ug/L	99
23) Bromochloromethane	4.55	128	254842	211.291	ug/L	98
25) Chloroform	4.67	83	834437	211.464	ug/L	99
27) 1,2-Dichloroethane	5.41	62	666707	210.298	ug/L	99
29) Cyclohexane	5.00	56	718852	211.966	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	759255	206.425	ug/L	99
31) Carbon tetrachloride	5.14	117	708927	214.477	ug/L	100
33) Benzene	5.39	78	1752403	207.872	ug/L	100
34) Trichloroethene	6.19	95	461312	198.534	ug/L	98
35) Methylcyclohexane	6.42	83	757524	214.761	ug/L	99
37) 1,2-Dichloropropane	6.44	63	480286	212.801	ug/L	100
38) Bromodichloromethane	6.76	83	646870	211.387	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	763494	208.897	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1389265	449.159	ug/L	99

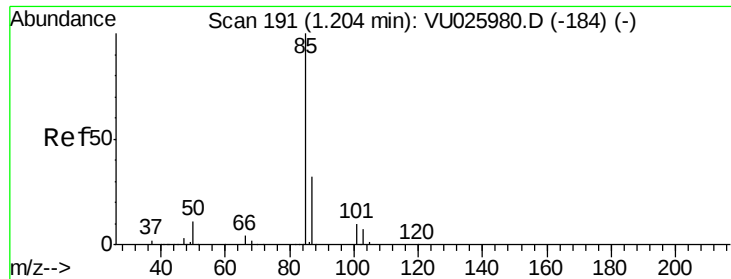
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:26:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1938036	211.136	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	752322	219.204	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	459456	211.905	ug/L	97
46) Tetrachloroethene	8.23	164	402222	202.406	ug/L	99
48) 2-Hexanone	8.37	43	1099023	443.980	ug/L	99
49) Dibromochloromethane	8.48	129	585277	221.322	ug/L	100
50) 1,2-Dibromoethane	8.59	107	511203	212.684	ug/L	100
51) Chlorobenzene	9.12	112	1304790	208.500	ug/L	99
52) Ethylbenzene	9.25	91	2208920	213.411	ug/L	100
53) m,p-Xylene	9.38	106	859509	211.491	ug/L	98
54) o-xylene	9.78	106	849398	218.983	ug/L	99
55) Styrene	9.80	104	1475236	226.195	ug/L	99
56) Isopropylbenzene	10.17	105	2250678	218.688	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	811524	222.264	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	635606	220.744	ug/L	99
61) Bromoform	9.96	173	469163	229.029	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	1089453	207.954	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	1104876	205.917	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1115113	209.555	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	188959	228.235	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	825826	212.819	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	747206	225.040	ug/L	100
69) Naphthalene	13.74	128	2460781	245.025	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	780390	224.741	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 218.420 ug/L

RT: 1.20 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

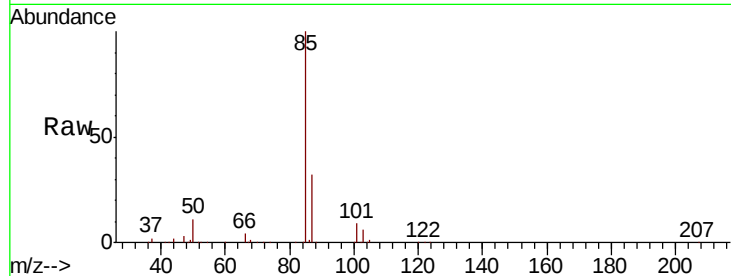
VSTD20046

Tgt Ion: 85 Resp: 556492

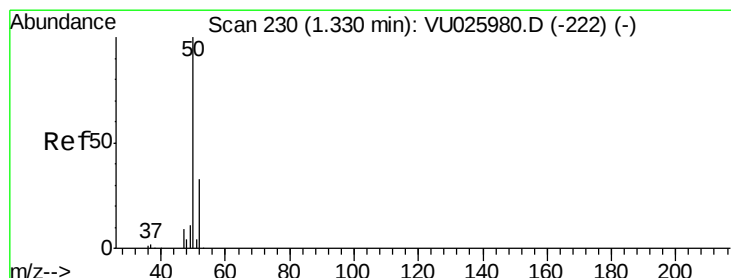
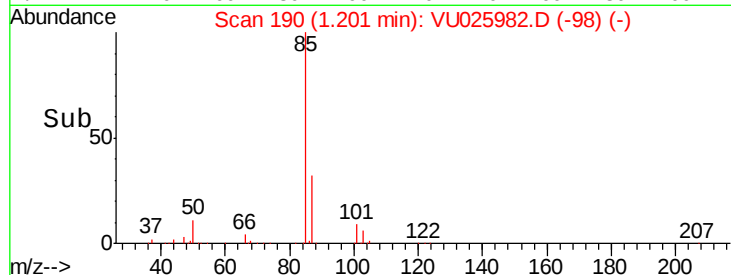
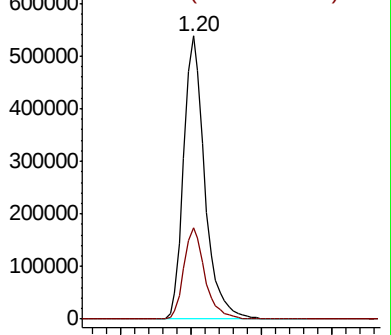
Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU025980.D (-184) (-)



#3

Chloromethane

Concen: 227.239 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025982.D

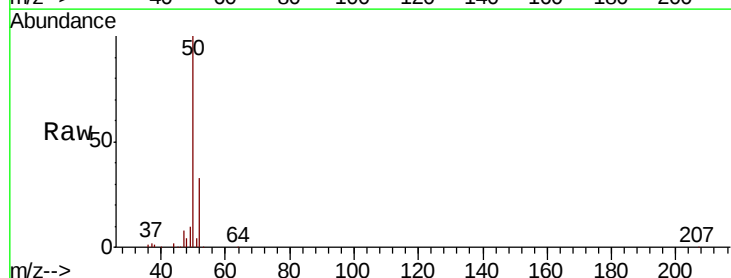
Acq: 08 Aug 2018 20:54

Tgt Ion: 50 Resp: 492311

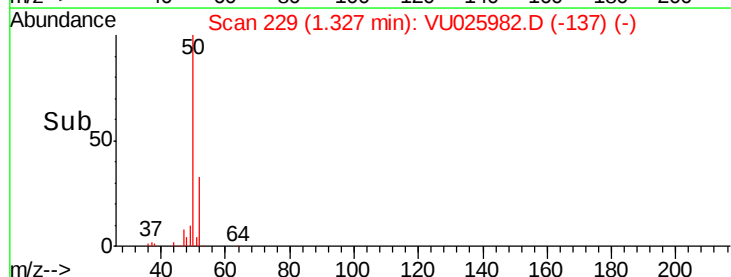
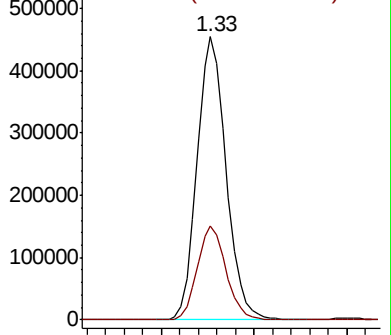
Ion Ratio Lower Upper

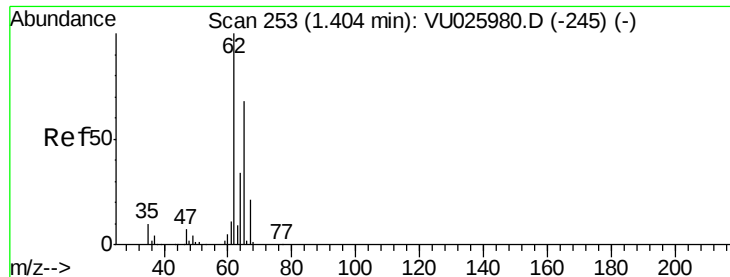
50 100

52 33.1 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU025980.D (-222) (-)





#5

Vinyl chloride

Concen: 214.605 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

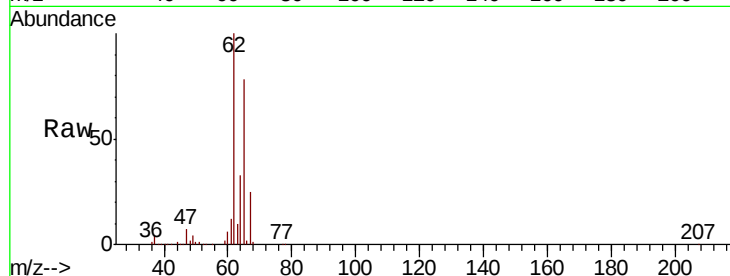
VSTD20046

Tgt Ion: 62 Resp: 491621

Ion Ratio Lower Upper

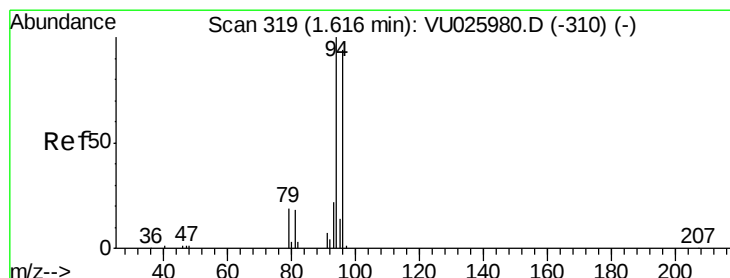
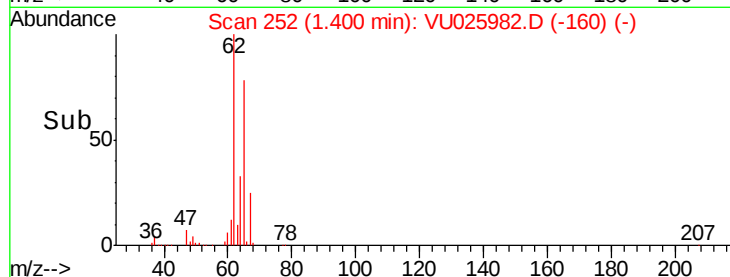
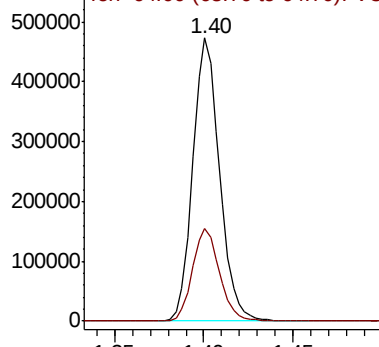
62 100

64 32.9 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 206.867 ug/L

RT: 1.60 min Scan# 315

Delta R.T. -0.01 min

Lab File: VU025982.D

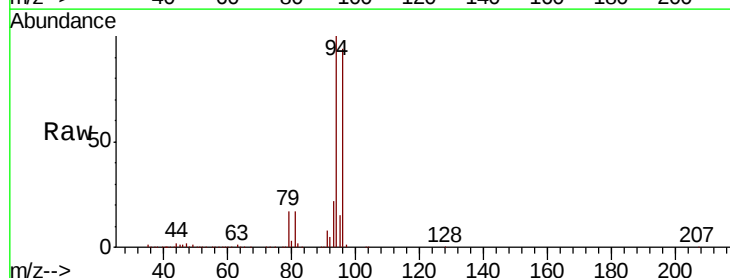
Acq: 08 Aug 2018 20:54

Tgt Ion: 94 Resp: 221458

Ion Ratio Lower Upper

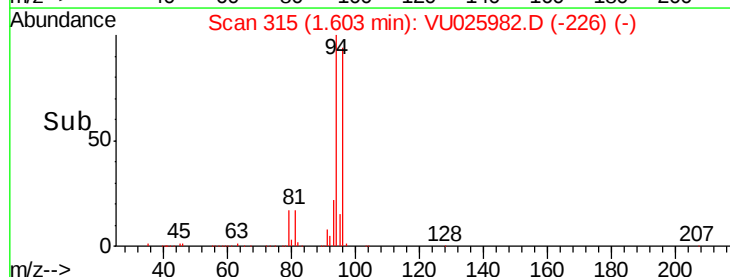
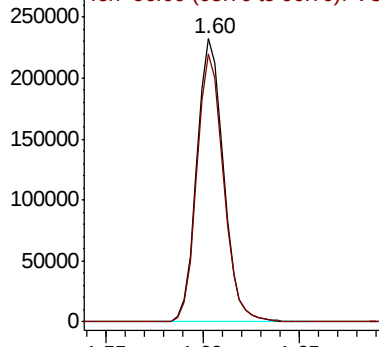
94 100

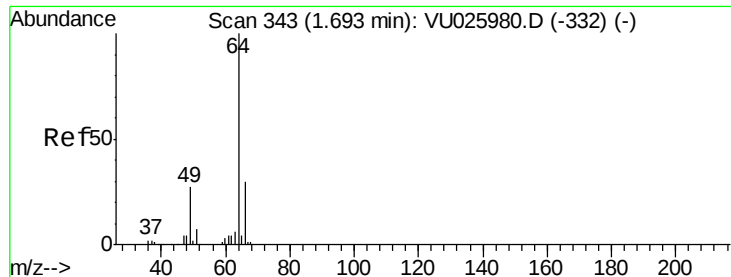
96 94.5 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 213.176 ug/L

RT: 1.68 min Scan# 339

Delta R.T. -0.01 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

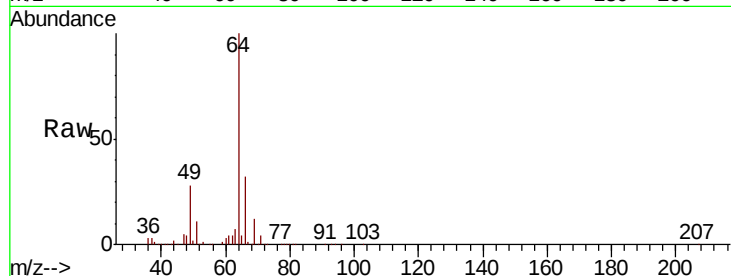
VSTD20046

Tgt Ion: 64 Resp: 282262

Ion Ratio Lower Upper

64 100

66 32.3 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VU025980.D (-332) (-)

Ion 66.00 (65.70 to 66.70): VU025980.D (-332) (-)

1.68

200000

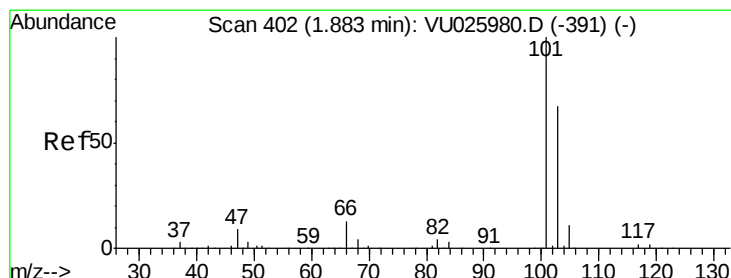
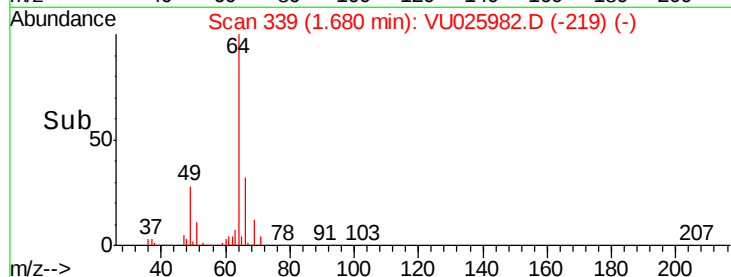
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 207.299 ug/L

RT: 1.88 min Scan# 400

Delta R.T. -0.01 min

Lab File: VU025982.D

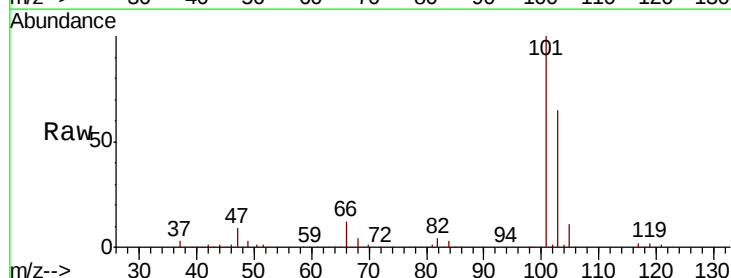
Acq: 08 Aug 2018 20:54

Tgt Ion: 101 Resp: 679013

Ion Ratio Lower Upper

101 100

103 65.1 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU025980.D (-391) (-)

Ion 103.00 (102.70 to 103.70): VU025980.D (-391) (-)

1.88

500000

400000

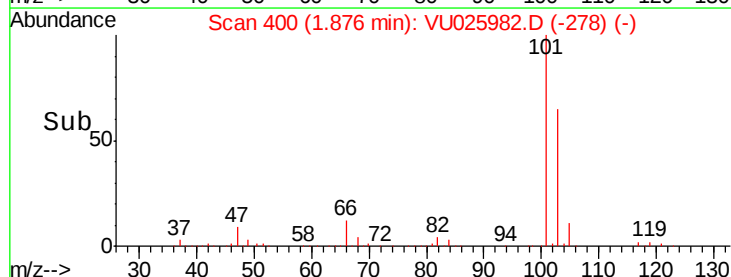
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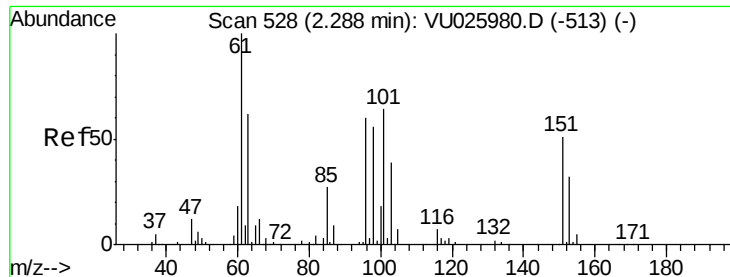
200000

100000

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Time-->





#10

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

Concen: 207.571 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD20046

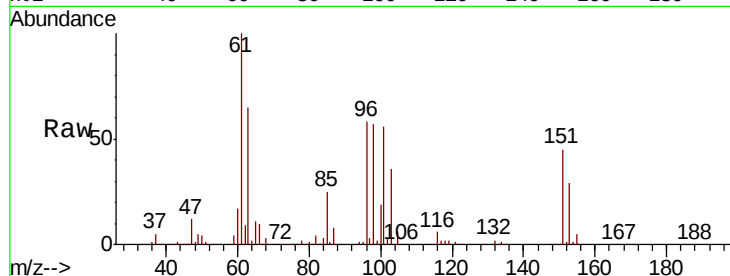
Tgt Ion: 101 Resp: 385357

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

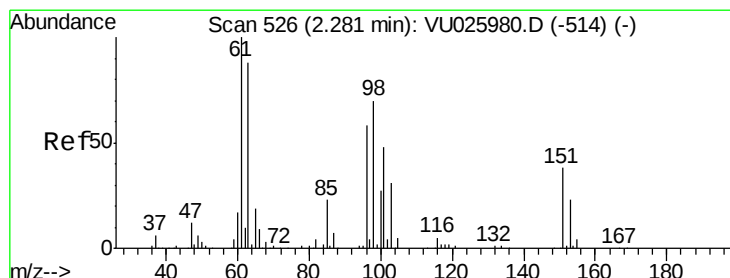
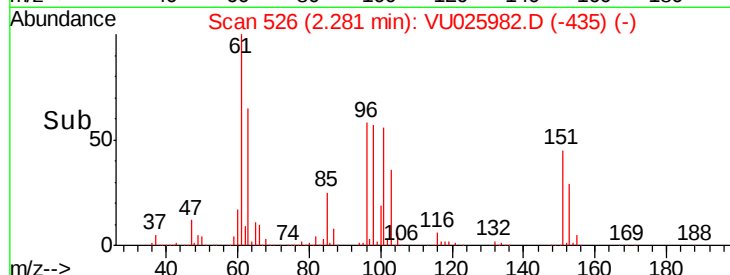
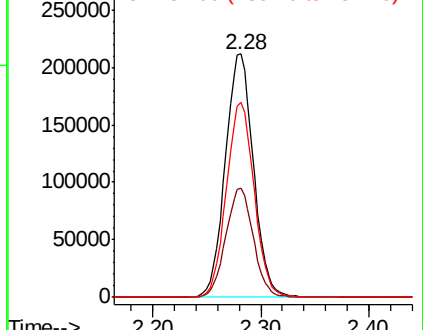
151 79.1 64.2 96.2



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: 213.069 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

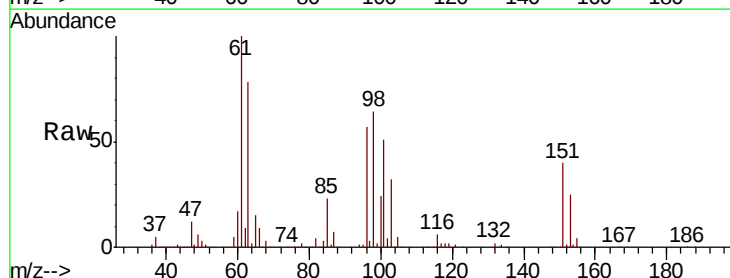
Tgt Ion: 96 Resp: 360552

Ion Ratio Lower Upper

96 100

61 176.9 121.2 225.2

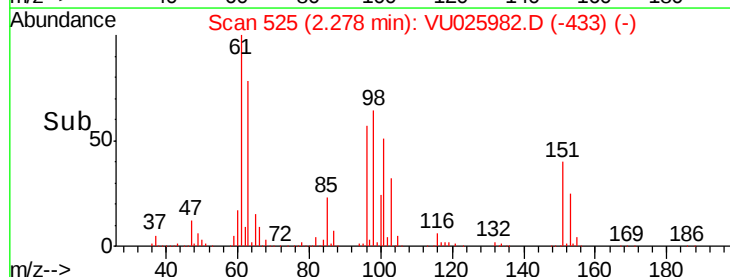
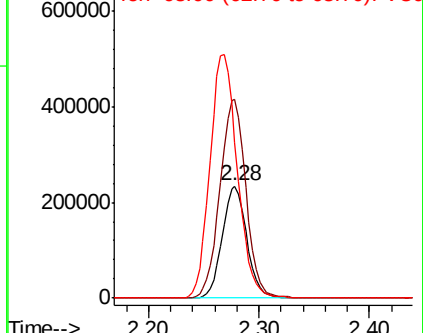
63 138.7 108.7 201.9

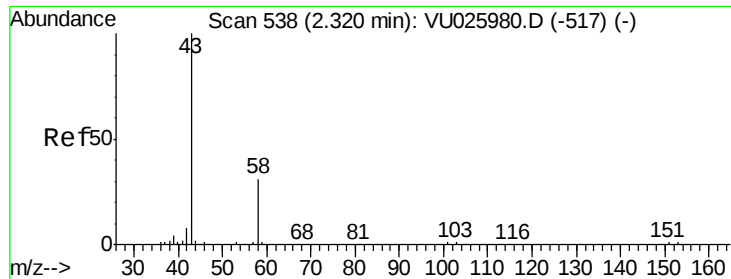


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 312.847 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

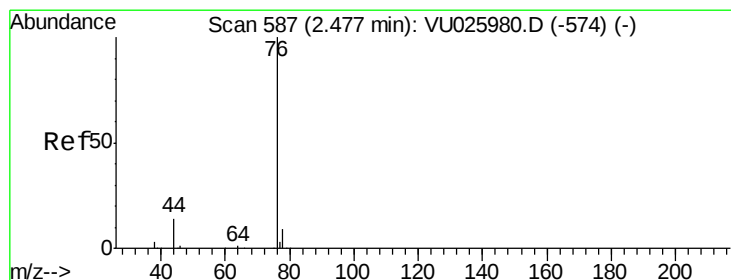
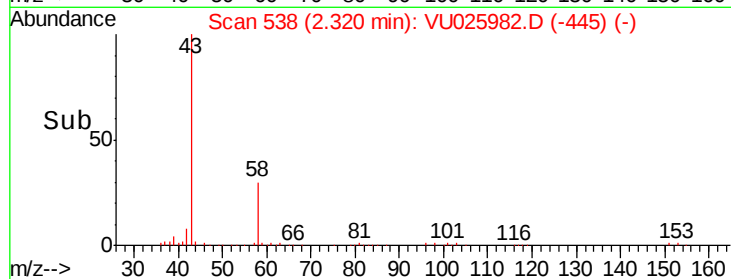
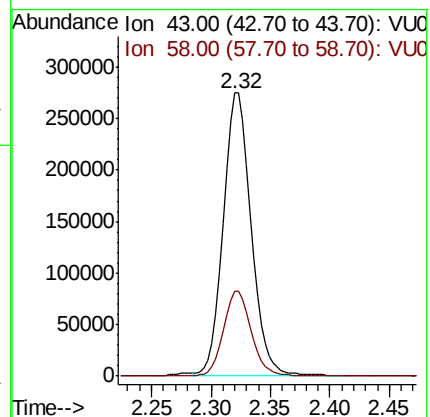
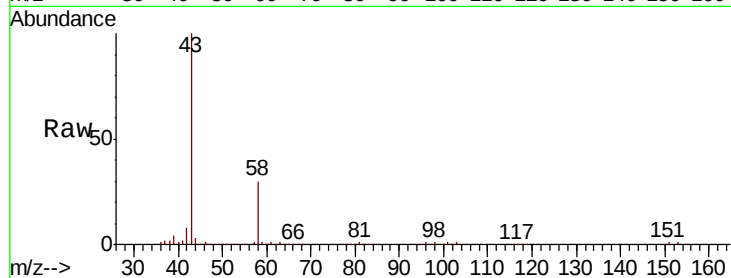
VSTD20046

Tgt Ion: 43 Resp: 445520

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.8



#14

Carbon disulfide

Concen: 208.747 ug/L

RT: 2.47 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU025982.D

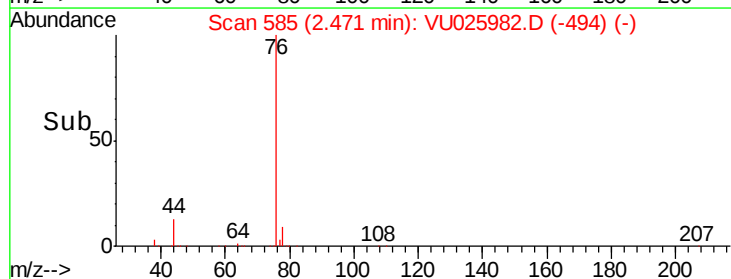
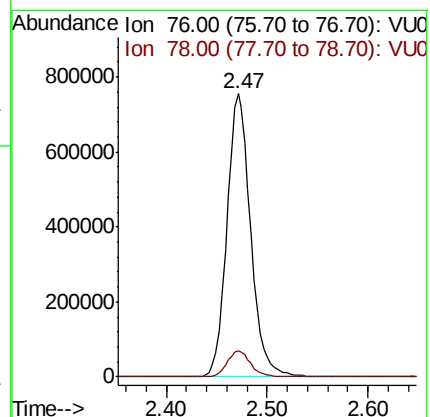
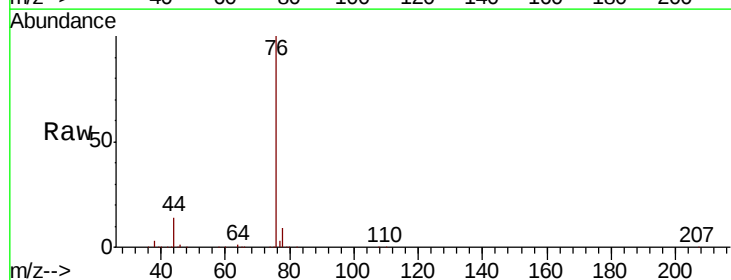
Acq: 08 Aug 2018 20:54

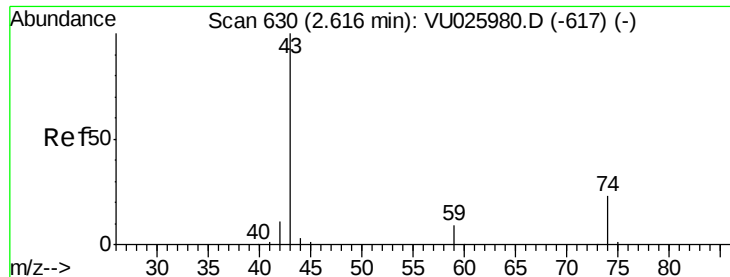
Tgt Ion: 76 Resp: 1238892

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8





#15

Methyl Acetate

Concen: 212.114 ug/L

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

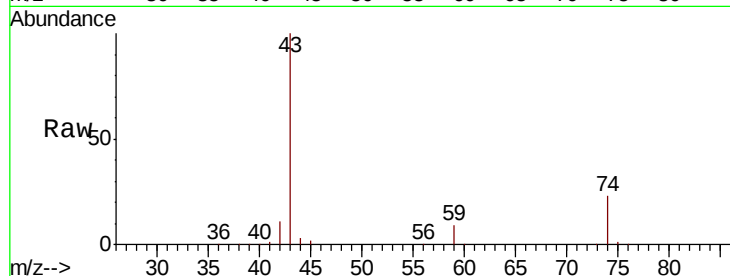
VSTD20046

Tgt Ion: 43 Resp: 488954

Ion Ratio Lower Upper

43 100

74 23.5 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU025982.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025982.D (-537) (-)

2.61

300000

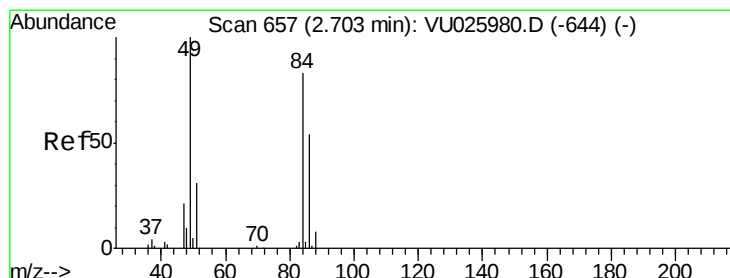
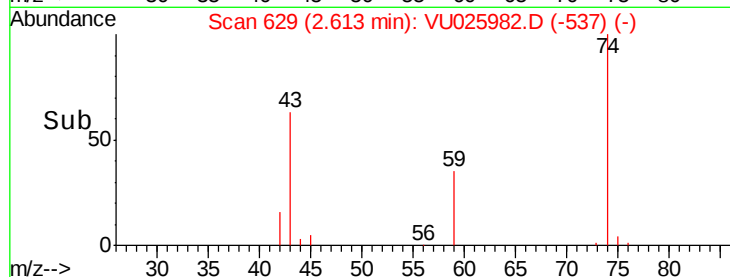
200000

100000

0

Time-->

2.50 2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 208.696 ug/L

RT: 2.70 min Scan# 655

Delta R.T. -0.01 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

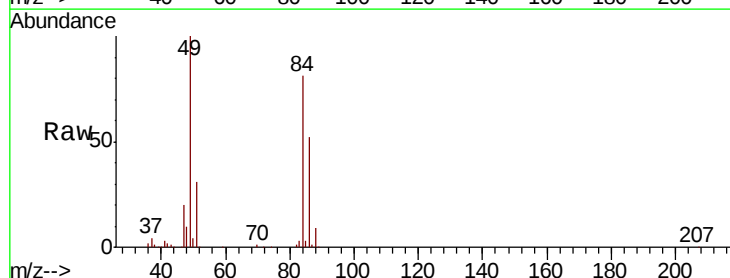
Tgt Ion: 84 Resp: 452759

Ion Ratio Lower Upper

84 100

86 64.3 45.8 85.0

49 123.5 85.0 157.8



Abundance Ion 84.00 (83.70 to 84.70): VU025982.D (-564) (-)

Ion 86.00 (85.70 to 86.70): VU025982.D (-564) (-)

Ion 49.00 (48.70 to 49.70): VU025982.D (-564) (-)

2.70

400000

300000

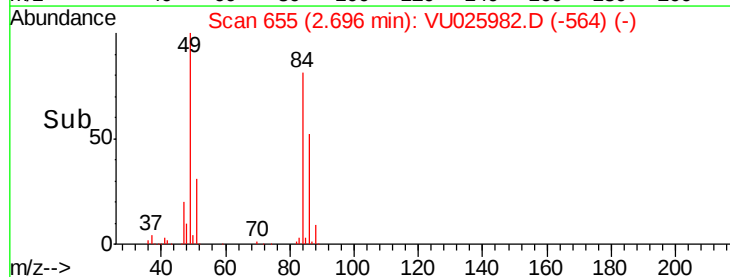
200000

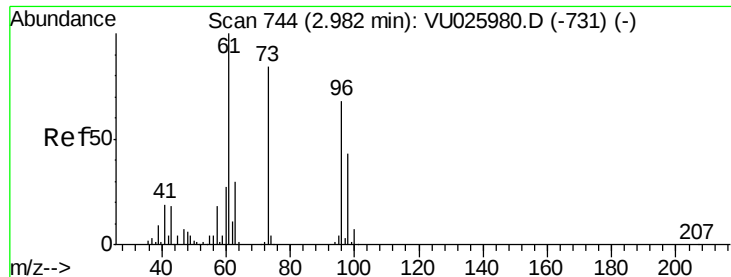
100000

0

Time-->

2.60 2.70 2.80





#17

trans-1,2-Dichloroethene

Concen: 204.910 ug/L

RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD20046

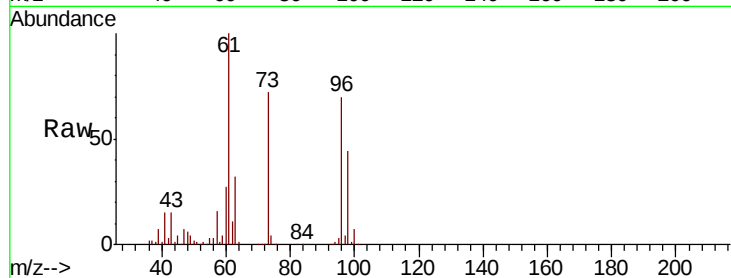
Tgt Ion: 96 Resp: 417085

Ion Ratio Lower Upper

96 100

61 143.5 102.8 190.8

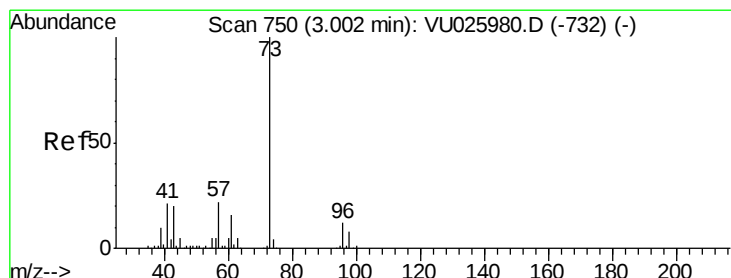
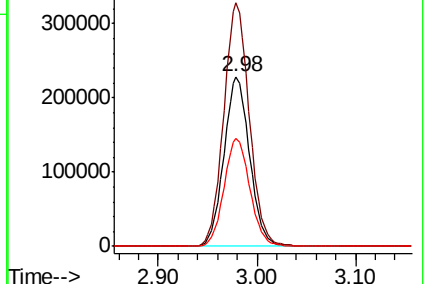
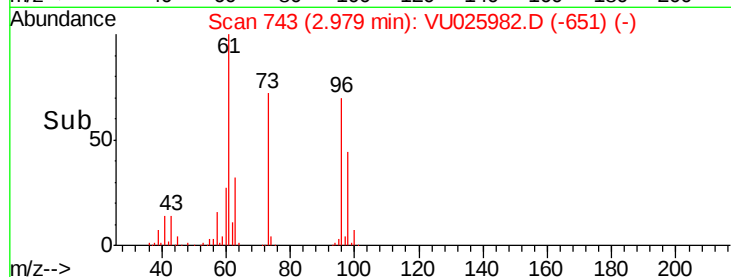
98 63.6 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU025982.D (-651) (-)

Ion 61.00 (60.70 to 61.70): VU025982.D (-651) (-)

Ion 98.00 (97.70 to 98.70): VU025982.D (-651) (-)



#18

Methyl tert-butyl Ether

Concen: 215.385 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

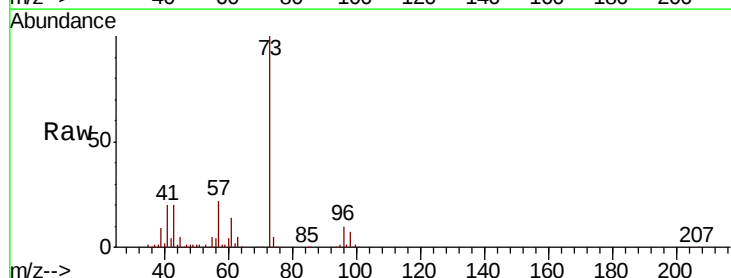
Tgt Ion: 73 Resp: 1399560

Ion Ratio Lower Upper

73 100

43 19.7 16.3 24.5

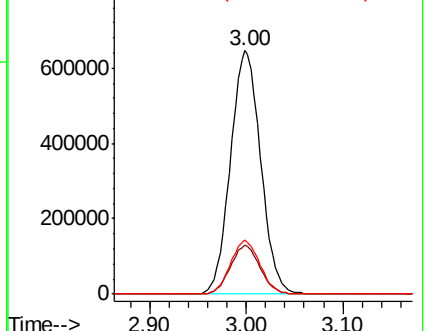
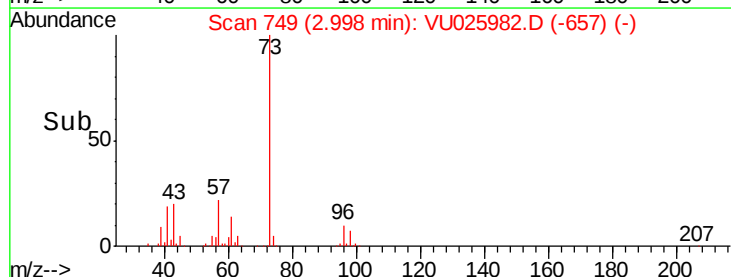
57 21.6 17.1 25.7

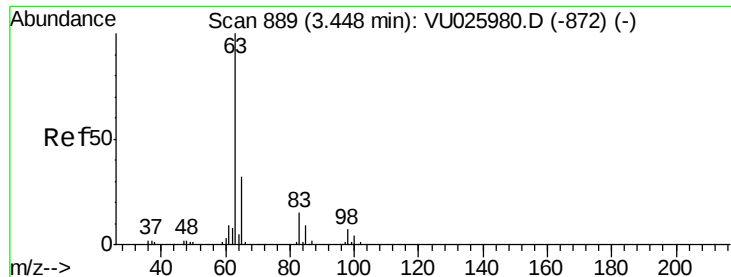


Abundance Ion 73.00 (72.70 to 73.70): VU025982.D (-657) (-)

Ion 43.00 (42.70 to 43.70): VU025982.D (-657) (-)

Ion 57.00 (56.70 to 57.70): VU025982.D (-657) (-)





#19

1,1-Dichloroethane

Concen: 213.253 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD20046

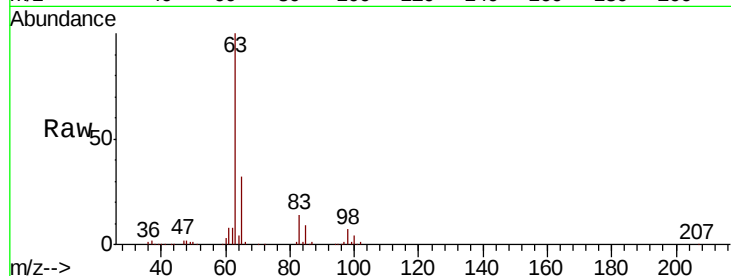
Tgt Ion: 63 Resp: 793948

Ion Ratio Lower Upper

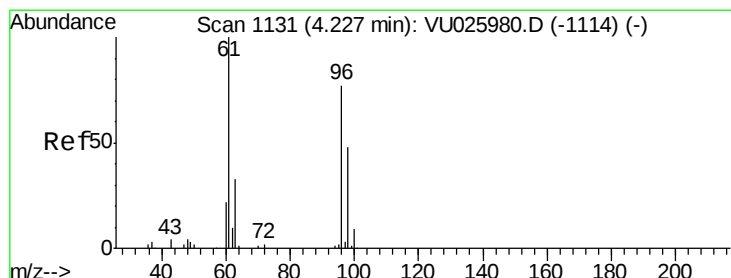
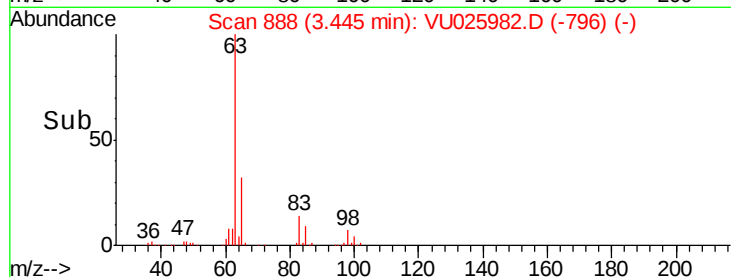
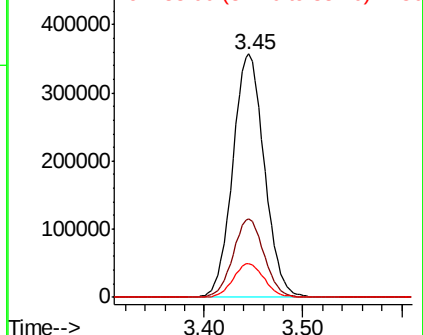
63 100

65 32.1 22.4 41.6

83 13.8 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: 211.475 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

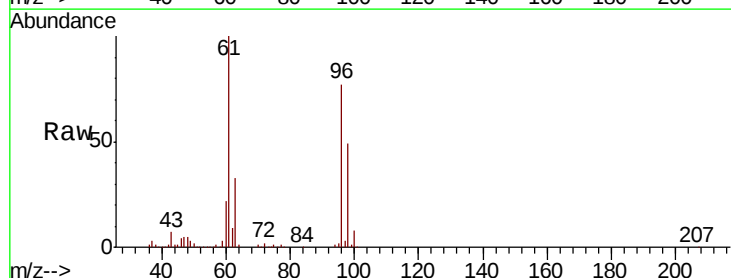
Tgt Ion: 96 Resp: 481864

Ion Ratio Lower Upper

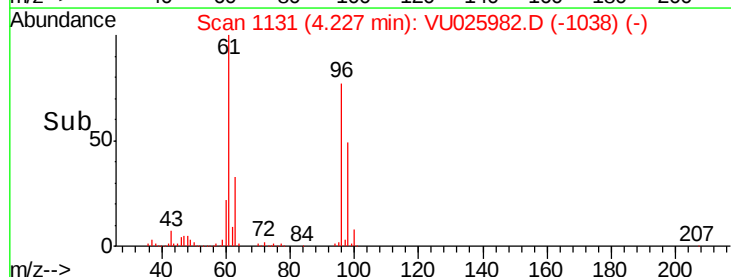
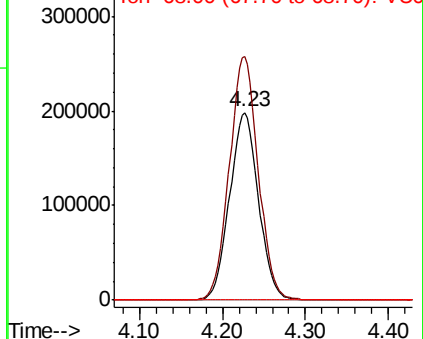
96 100

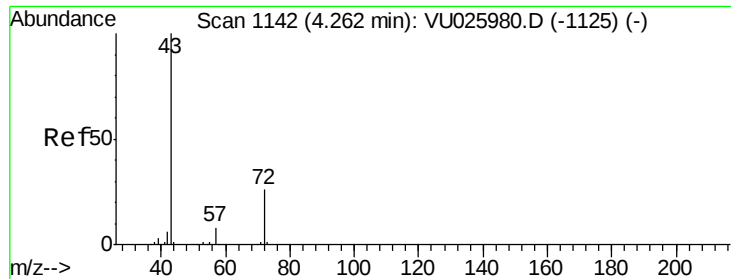
61 129.6 90.7 168.5

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: 388.471 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

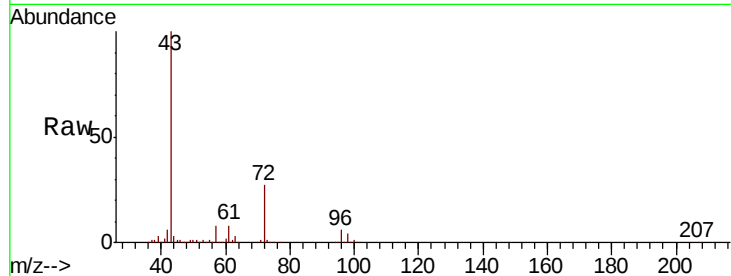
VSTD20046

Tgt Ion: 43 Resp: 706375

Ion Ratio Lower Upper

43 100

72 27.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU025982.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU025982.D (-1049) (-)

4.26

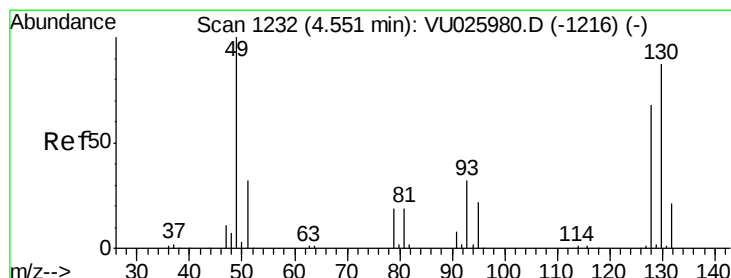
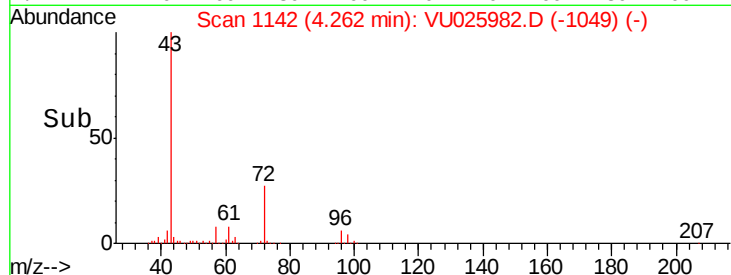
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 211.291 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Tgt Ion: 128 Resp: 254842

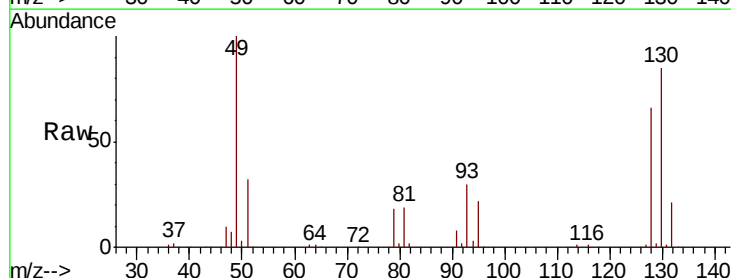
Ion Ratio Lower Upper

128 100

49 150.5 103.0 191.2

130 128.6 89.5 166.1

51 47.8 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU025982.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU025982.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU025982.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU025982.D (-1139) (-)

4.55

250000

200000

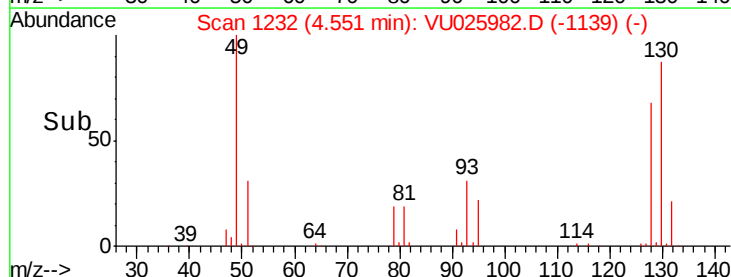
150000

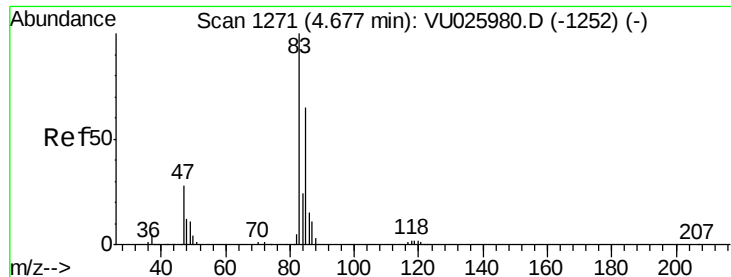
100000

50000

0

Time-->

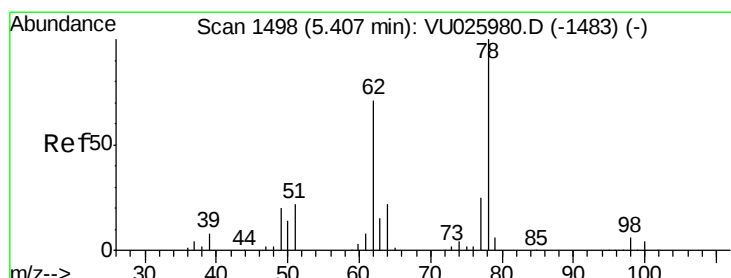
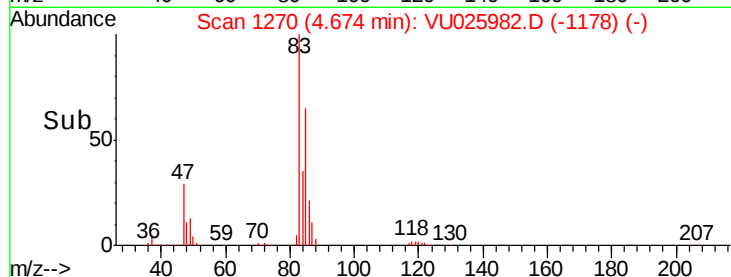
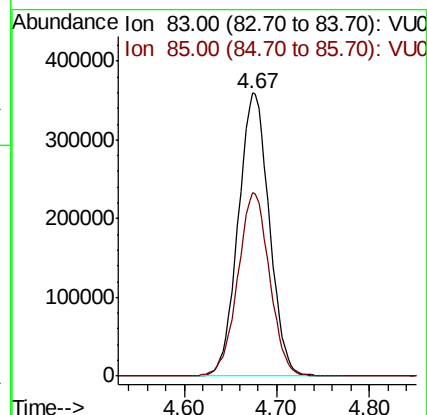
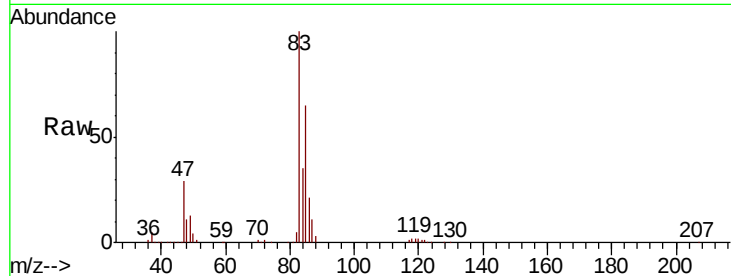




#25
Chloroform
Concen: 211.464 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU025982.D
Acq: 08 Aug 2018 20:54

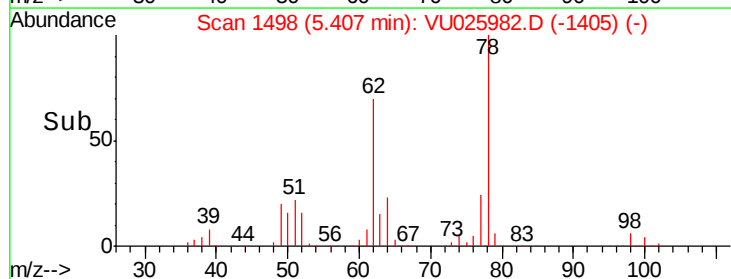
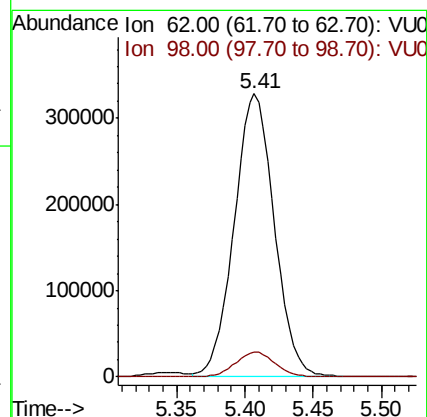
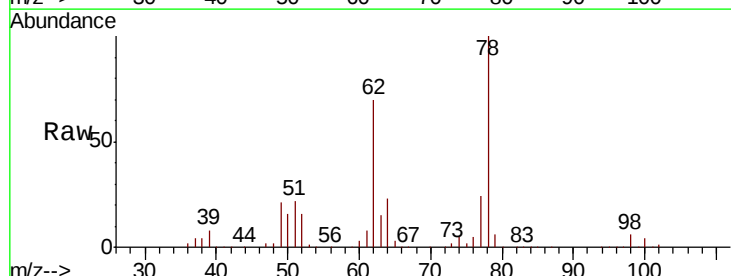
Instrument :
MSVOA_U
ClientSampleId :
VSTD20046

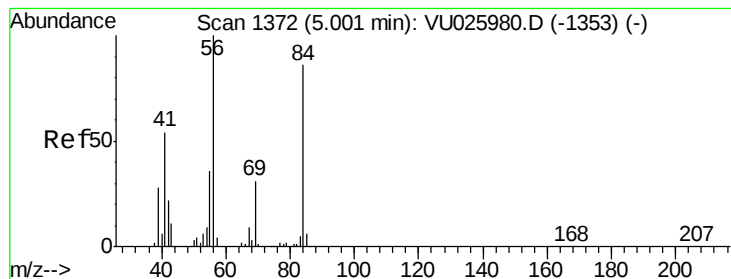
Tgt Ion: 83 Resp: 834437
Ion Ratio Lower Upper
83 100
85 64.7 45.9 85.3



#27
1,2-Dichloroethane
Concen: 210.298 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025982.D
Acq: 08 Aug 2018 20:54

Tgt Ion: 62 Resp: 666707
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4





#29

Cyclohexane

Concen: 211.966 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD20046

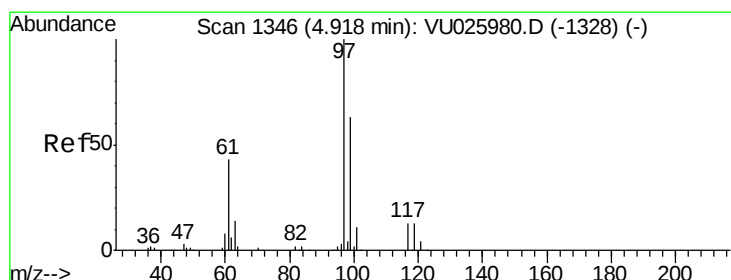
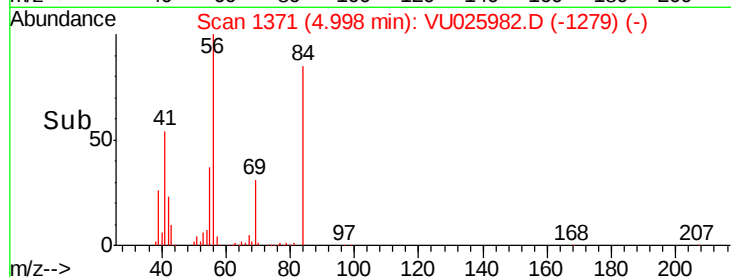
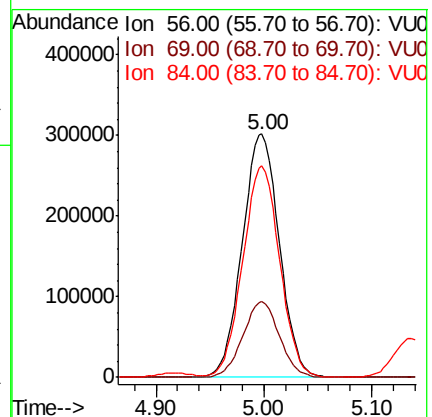
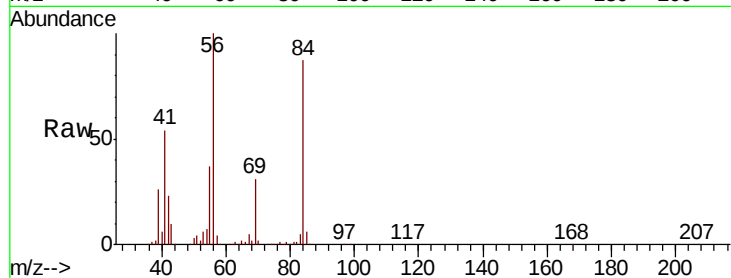
Tgt Ion: 56 Resp: 718852

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 86.7 68.6 103.0



#30

1,1,1-Trichloroethane

Concen: 206.425 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

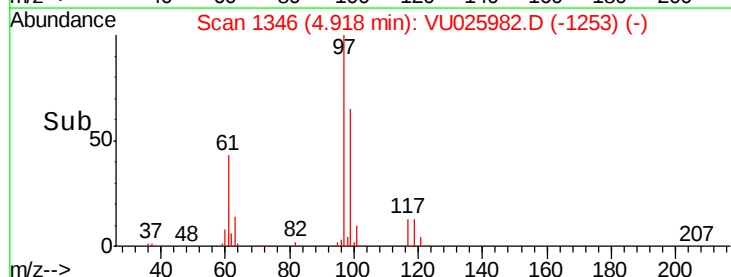
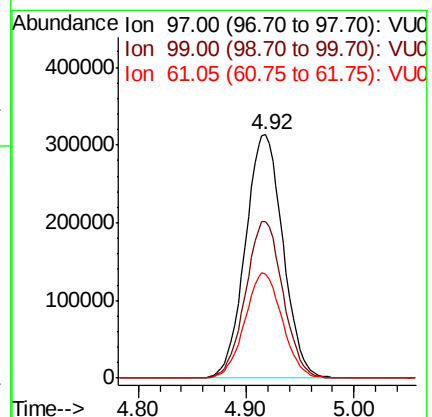
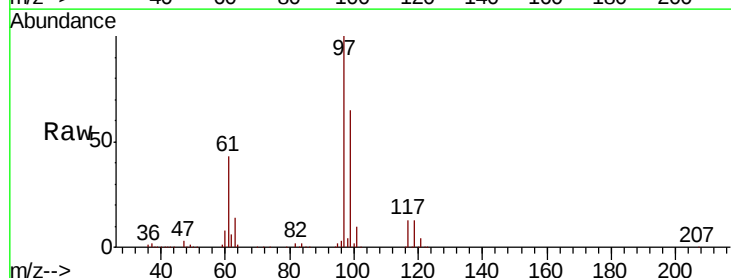
Tgt Ion: 97 Resp: 759255

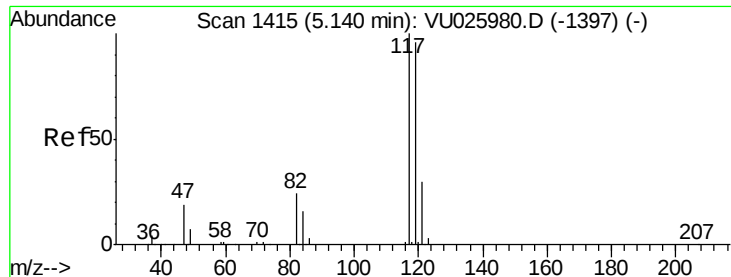
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

61 42.9 34.7 52.1





#31

Carbon tetrachloride

Concen: 214.477 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

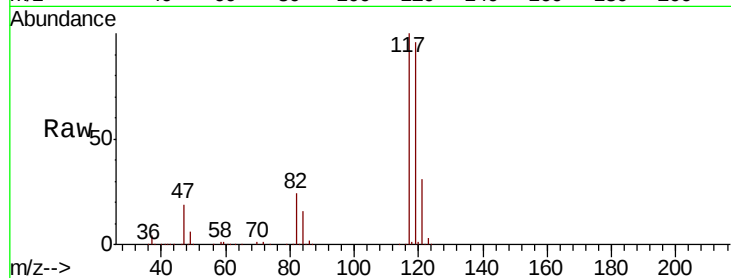
VSTD20046

Tgt Ion:117 Resp: 708927

Ion Ratio Lower Upper

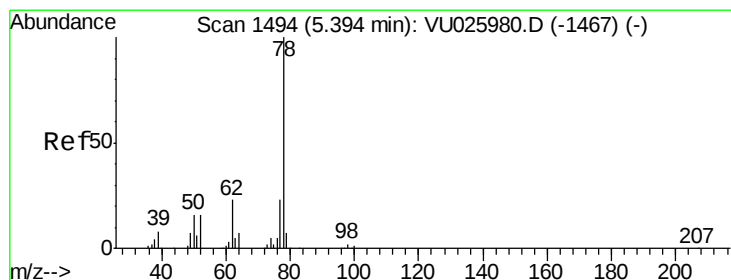
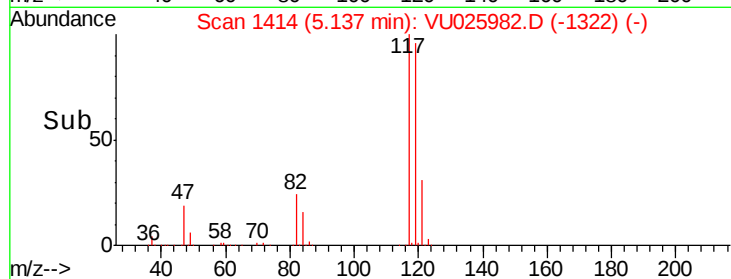
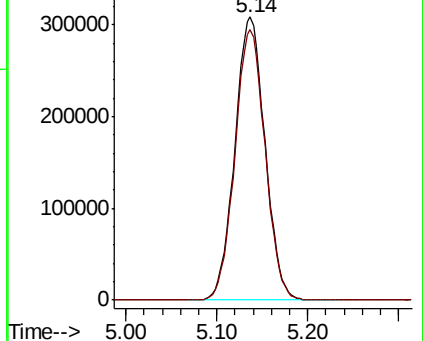
117 100

119 95.7 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 207.872 ug/L

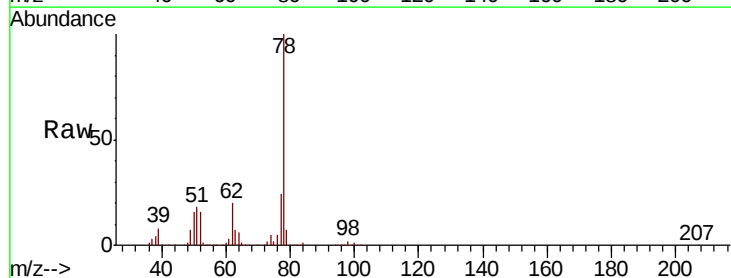
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

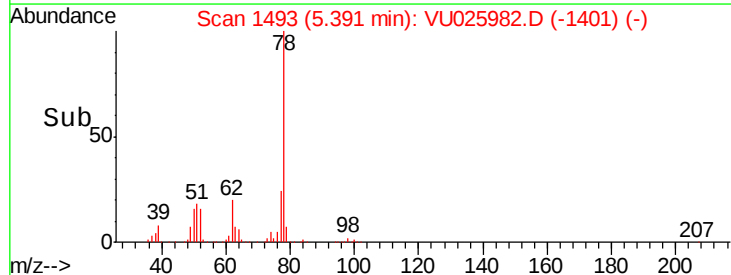
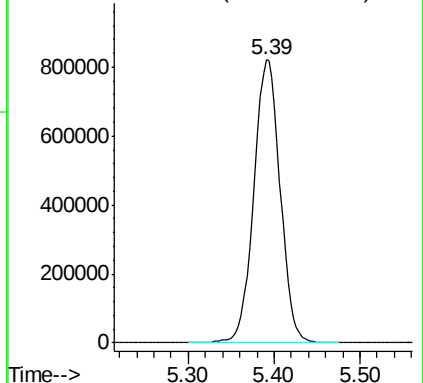
Lab File: VU025982.D

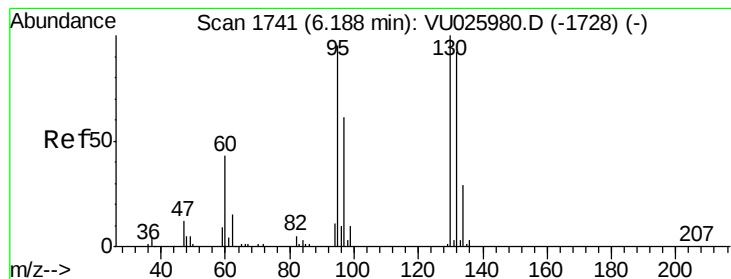
Acq: 08 Aug 2018 20:54

Tgt Ion: 78 Resp: 1752403



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 198.534 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD20046

Tgt Ion: 95 Resp: 461312

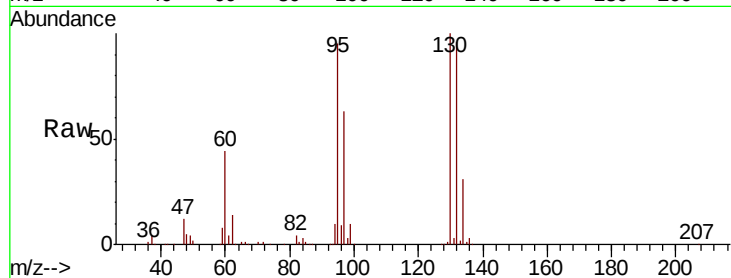
Ion Ratio Lower Upper

95 100

97 66.4 45.2 84.0

132 101.1 68.2 126.6

130 105.3 73.8 137.2

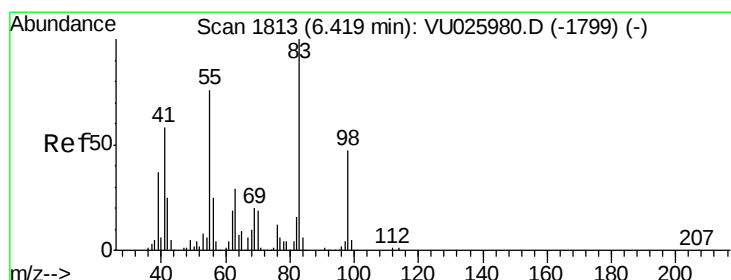
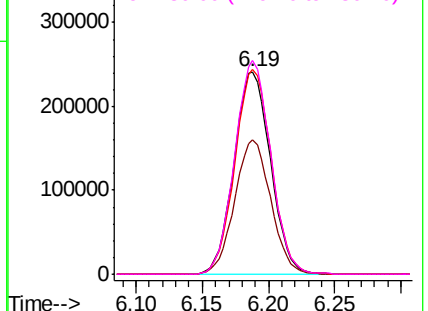
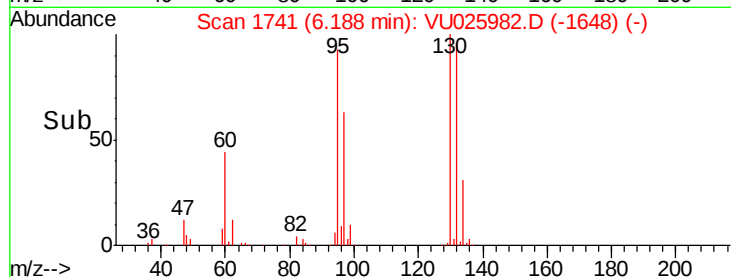


Abundance Ion 95.00 (94.70 to 95.70): VU025982.D (-1648) (-)

Ion 97.00 (96.70 to 97.70): VU025982.D (-1648) (-)

Ion 132.00 (131.70 to 132.70): VU025982.D (-1648) (-)

Ion 130.00 (129.70 to 130.70): VU025982.D (-1648) (-)



#35

Methylcyclohexane

Concen: 214.761 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

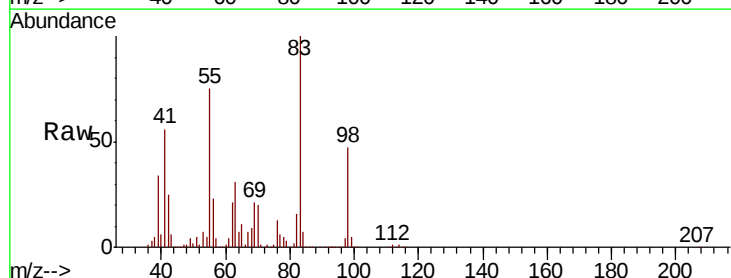
Tgt Ion: 83 Resp: 757524

Ion Ratio Lower Upper

83 100

55 75.2 61.0 91.6

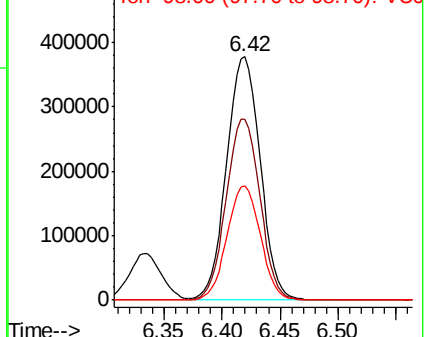
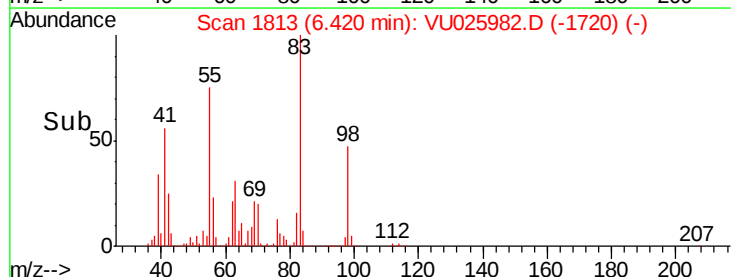
98 46.7 38.1 57.1

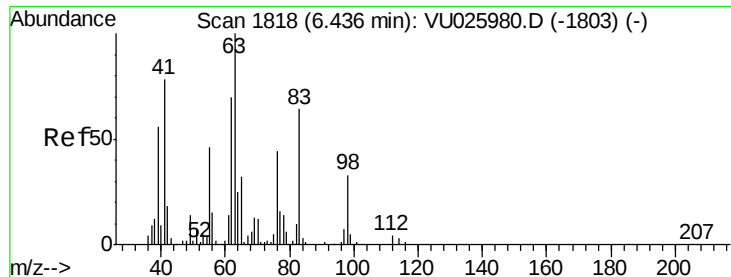


Abundance Ion 83.00 (82.70 to 83.70): VU025982.D (-1720) (-)

Ion 55.00 (54.70 to 55.70): VU025982.D (-1720) (-)

Ion 98.00 (97.70 to 98.70): VU025982.D (-1720) (-)





#37

1,2-Dichloropropane

Concen: 212.801 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

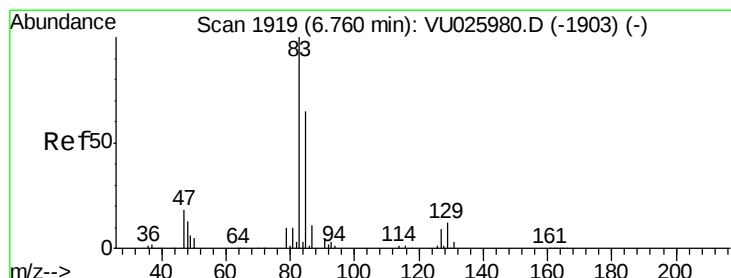
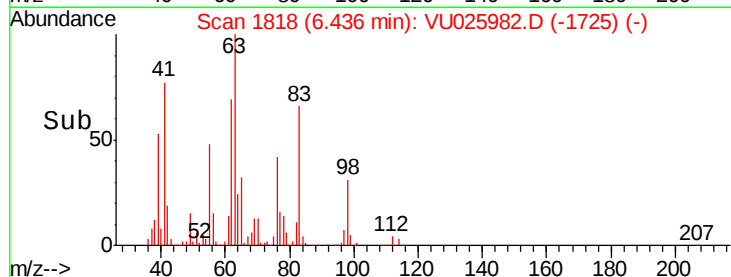
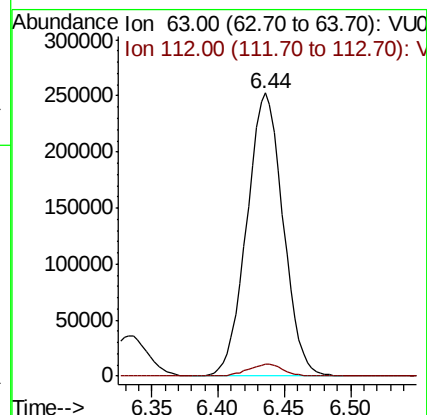
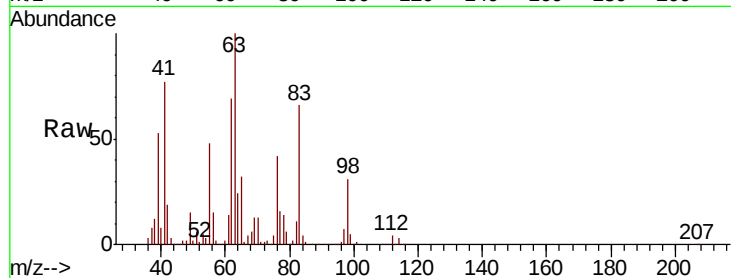
VSTD20046

Tgt Ion: 63 Resp: 480286

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 211.387 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

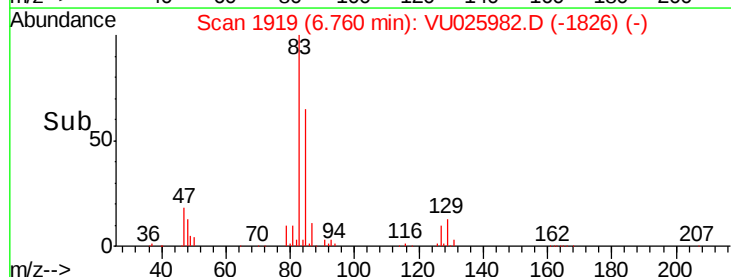
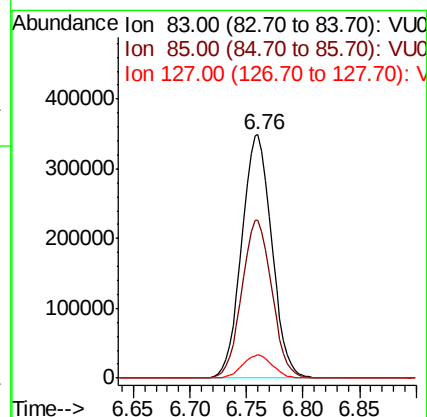
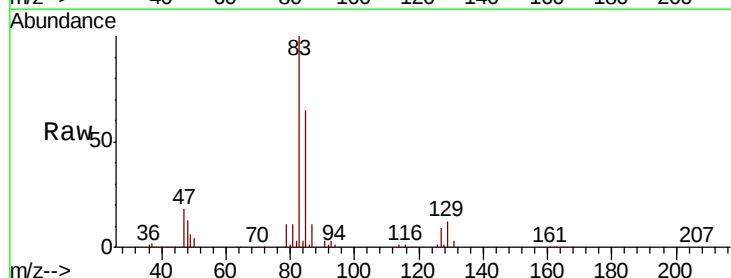
Tgt Ion: 83 Resp: 646870

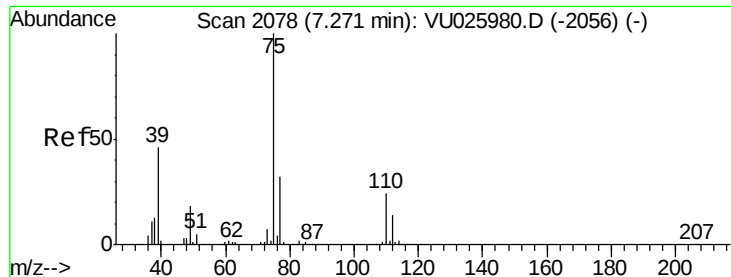
Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

127 9.5 7.4 11.2

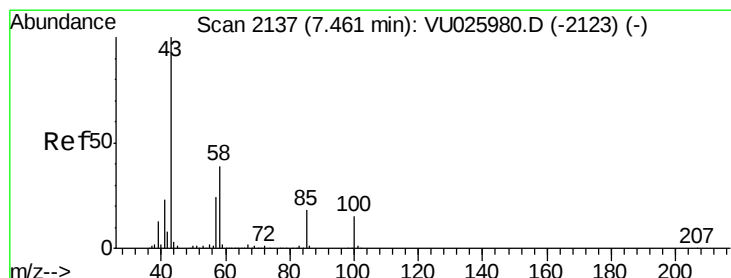
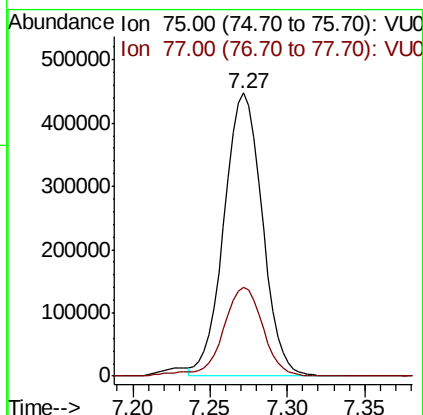
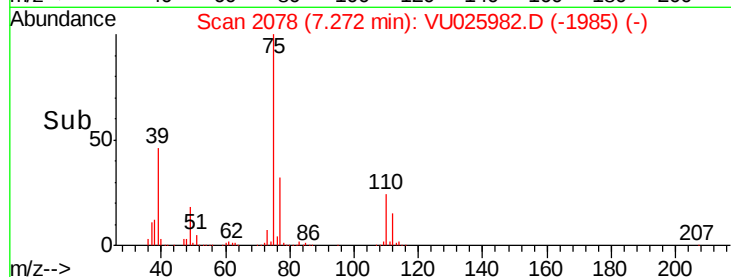
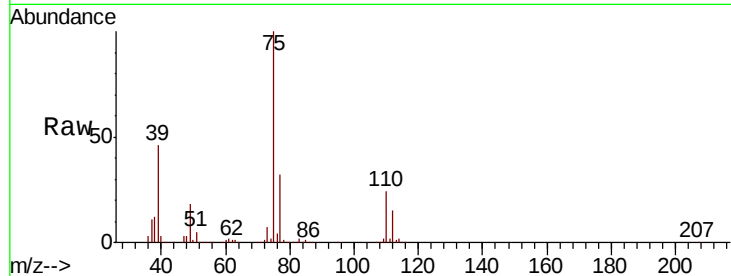




#39
 cis-1,3-Dichloropropene
 Concen: 208.897 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

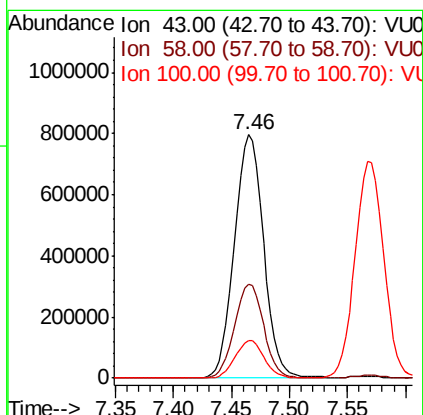
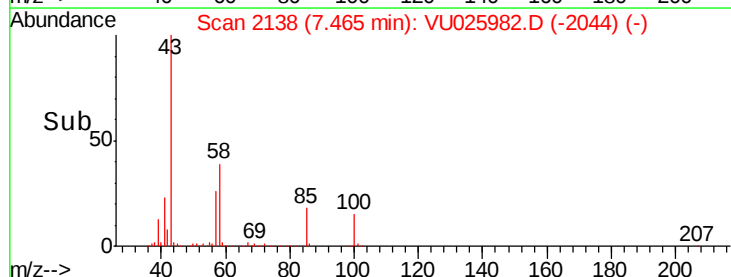
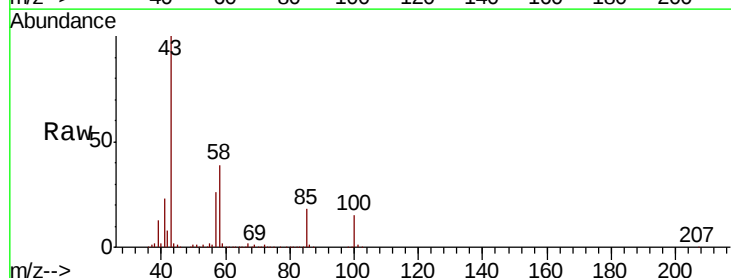
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20046

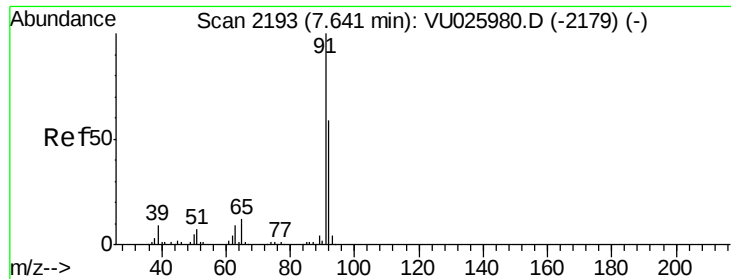
Tgt Ion: 75 Resp: 763494
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 449.159 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

Tgt Ion: 43 Resp: 1389265
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.6 46.0
 100 15.3 11.8 17.6





#42

Toluene

Concen: 211.136 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

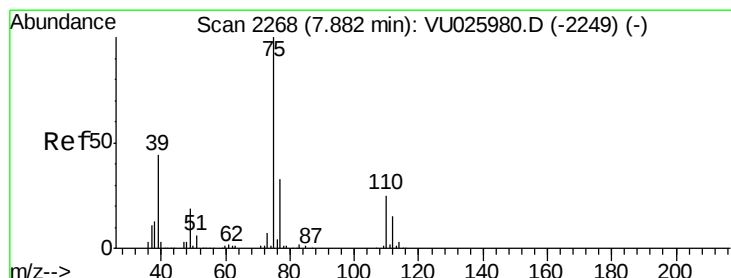
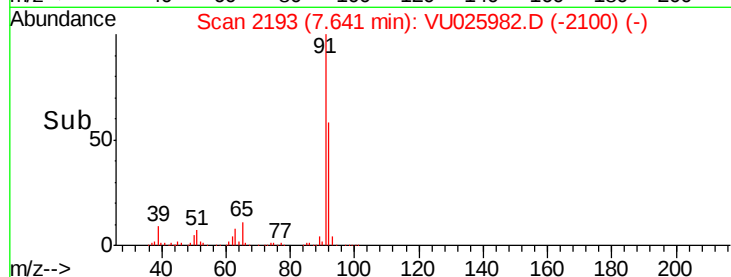
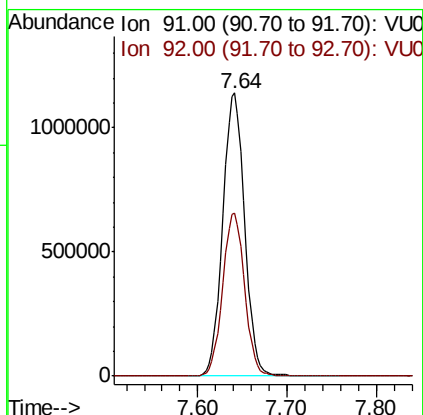
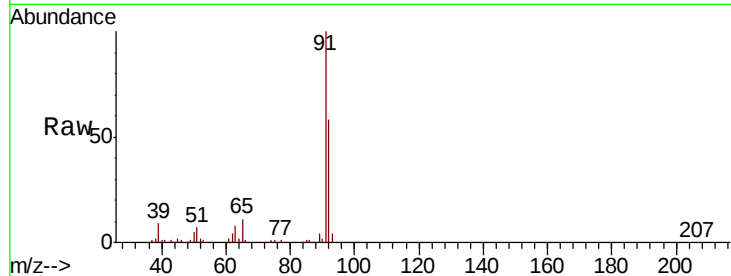
VSTD20046

Tgt Ion: 91 Resp: 1938036

Ion Ratio Lower Upper

91 100

92 57.5 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 219.204 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025982.D

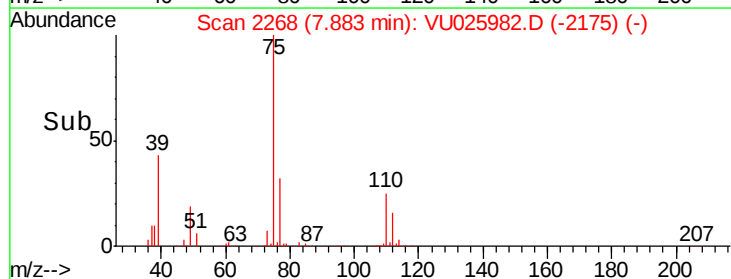
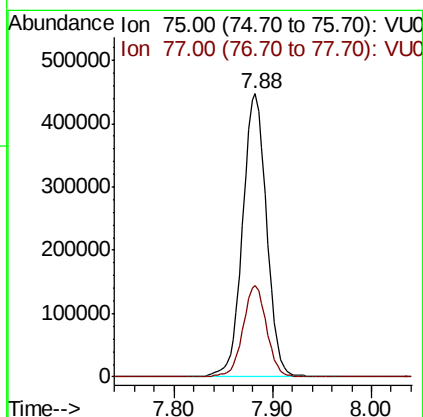
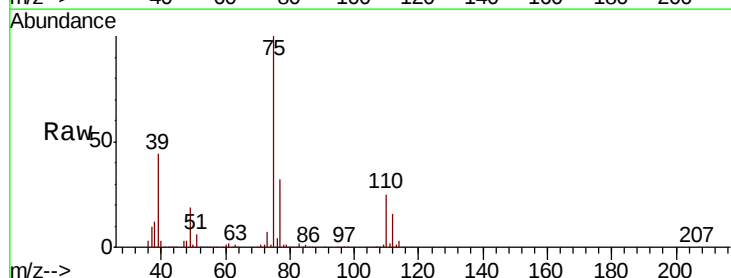
Acq: 08 Aug 2018 20:54

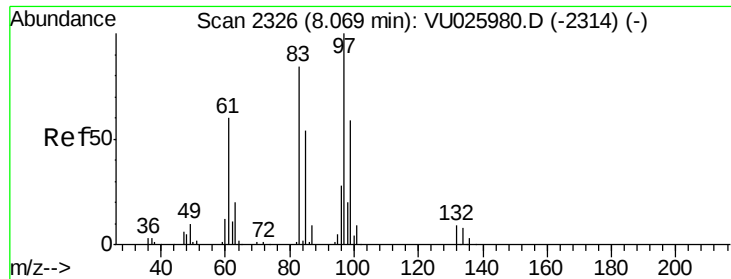
Tgt Ion: 75 Resp: 752322

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.6

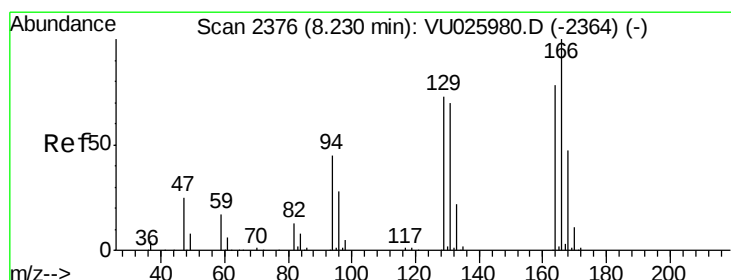
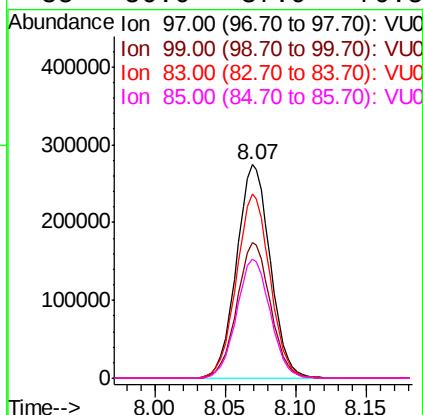
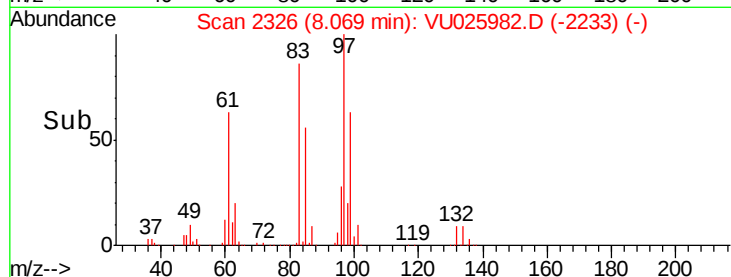
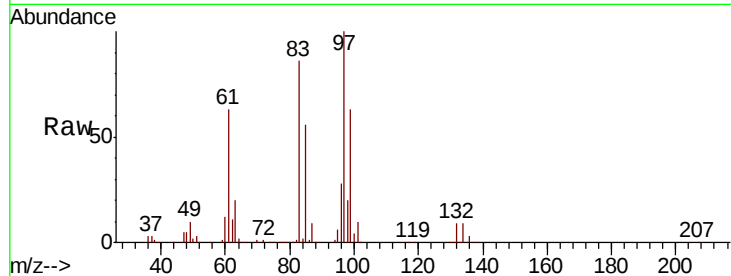




#45
 1,1,2-Trichloroethane
 Concen: 211.905 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

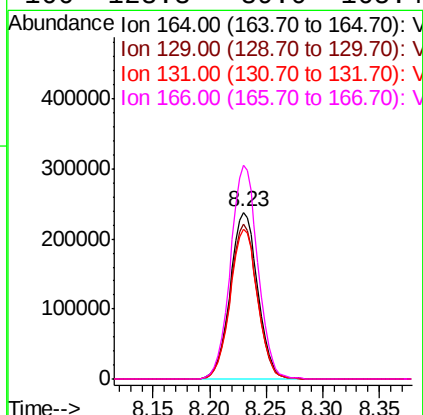
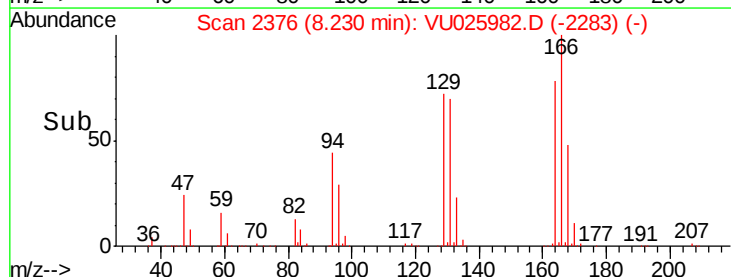
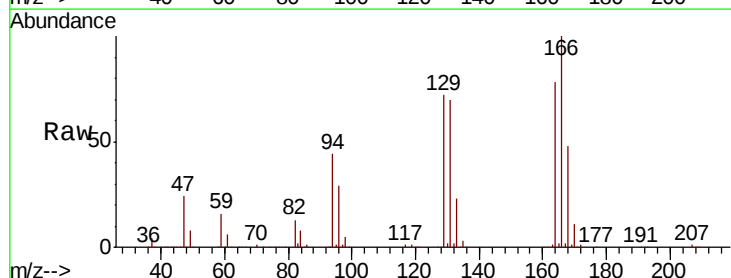
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20046

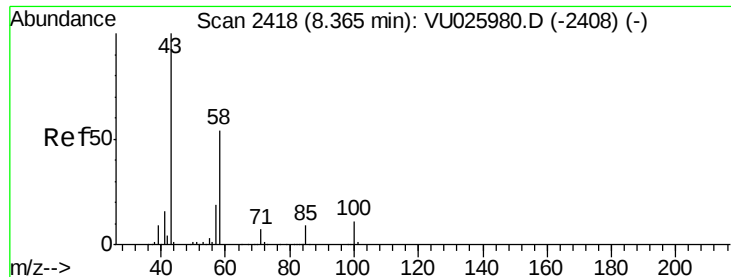
Tgt Ion:	97	Resp:	459456
Ion	Ratio	Lower	Upper
97	100		
99	63.4	41.6	77.2
83	86.1	59.0	109.6
85	56.0	37.9	70.5



#46
 Tetrachloroethene
 Concen: 202.406 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

Tgt Ion:	164	Resp:	402222
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.8	120.3
131	90.2	62.8	116.6
166	128.3	89.0	165.4

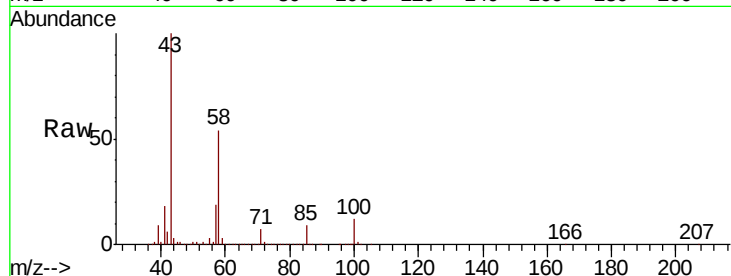




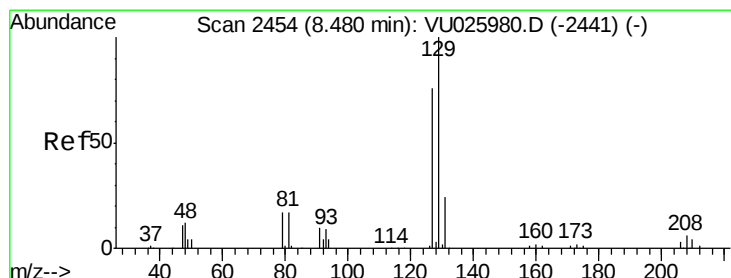
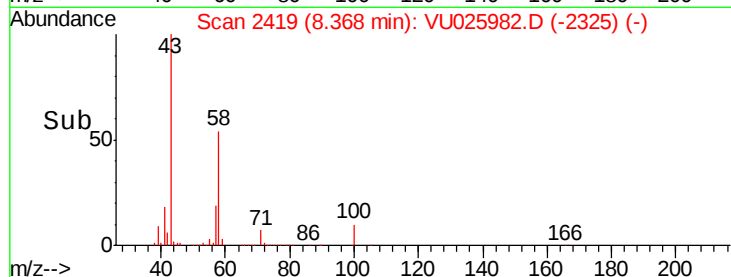
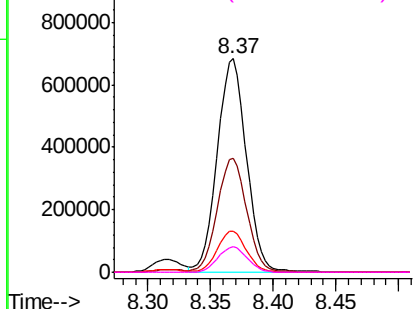
#48
2-Hexanone
Concen: 443.980 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025982.D
Acq: 08 Aug 2018 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD20046

Tgt Ion: 43 Resp: 1099023
Ion Ratio Lower Upper
43 100
58 53.9 43.6 65.4
57 19.2 15.1 22.7
100 11.9 9.3 13.9

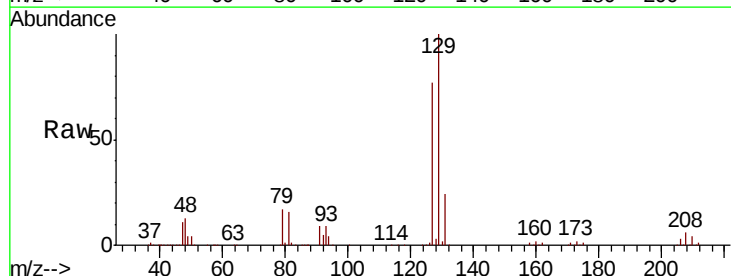


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

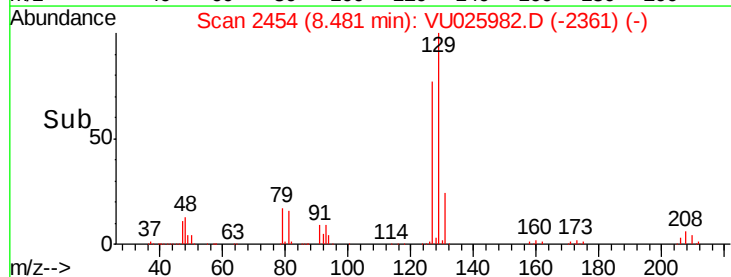
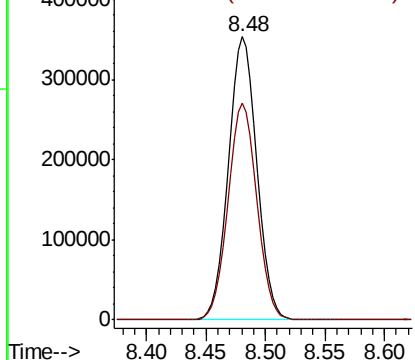


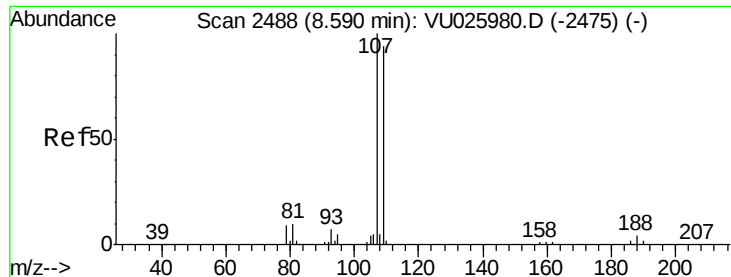
#49
Dibromochloromethane
Concen: 221.322 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025982.D
Acq: 08 Aug 2018 20:54

Tgt Ion: 129 Resp: 585277
Ion Ratio Lower Upper
129 100
127 76.5 53.5 99.3



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

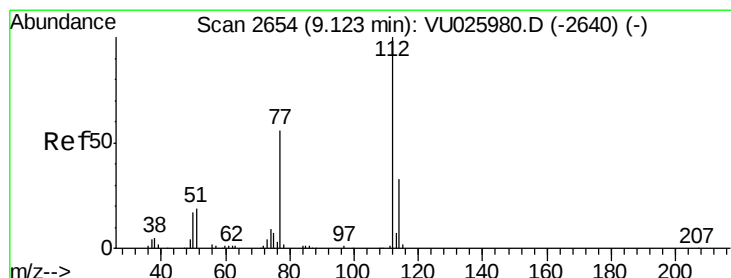
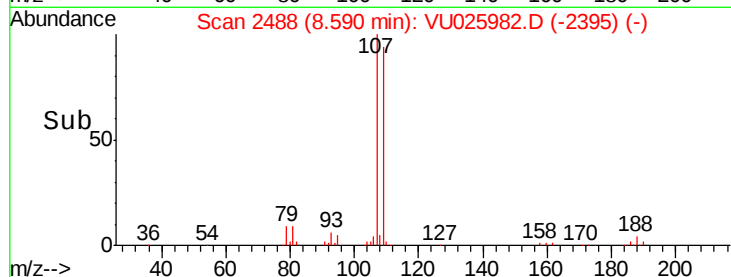
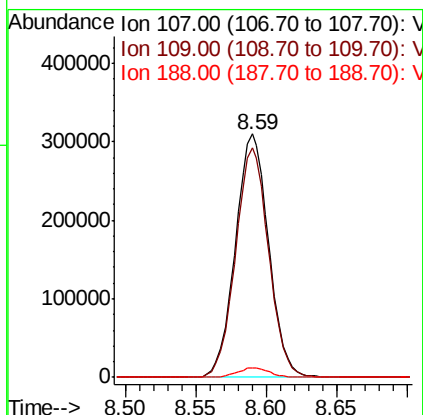
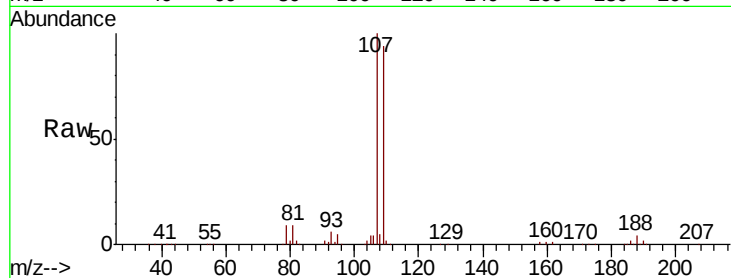




#50
1,2-Dibromoethane
Concen: 212.684 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025982.D
Acq: 08 Aug 2018 20:54

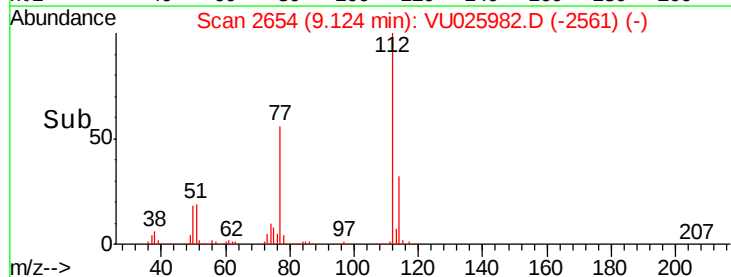
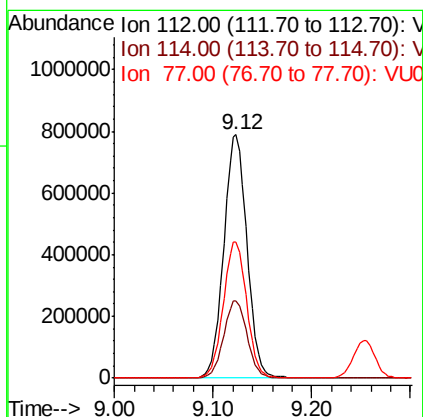
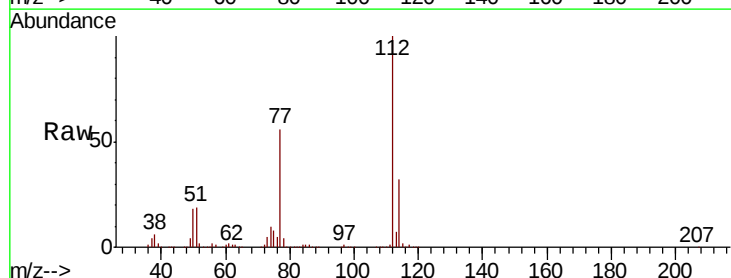
Instrument :
MSVOA_U
ClientSampleId :
VSTD20046

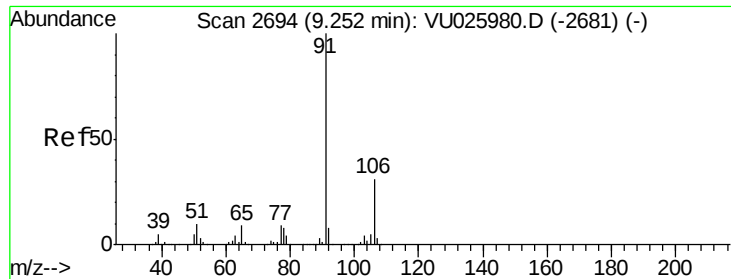
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	66.1	122.7
188	3.9	2.9	4.3



#51
Chlorobenzene
Concen: 208.500 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025982.D
Acq: 08 Aug 2018 20:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.3
77	56.2	45.2	67.8





#52

Ethylbenzene

Concen: 213.411 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

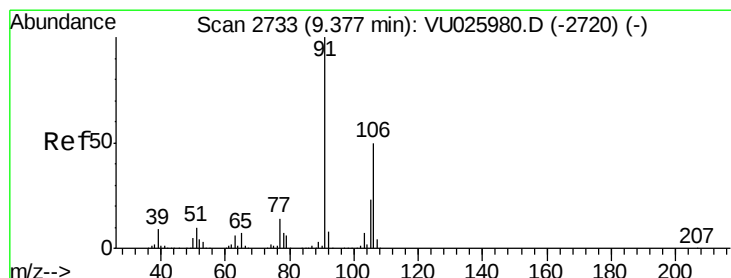
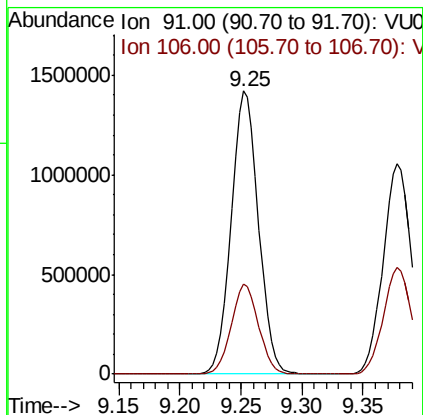
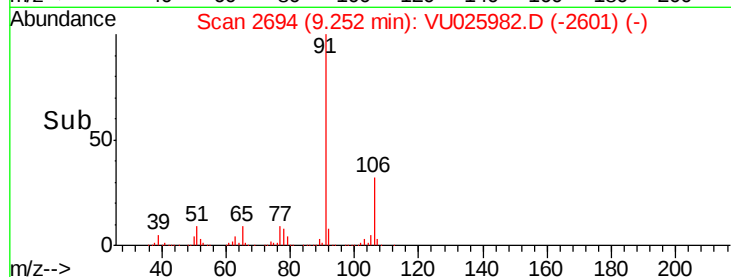
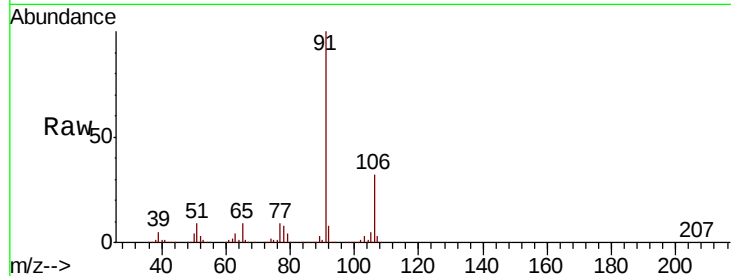
VSTD20046

Tgt Ion: 91 Resp: 2208920

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0



#53

m,p-Xylene

Concen: 211.491 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025982.D

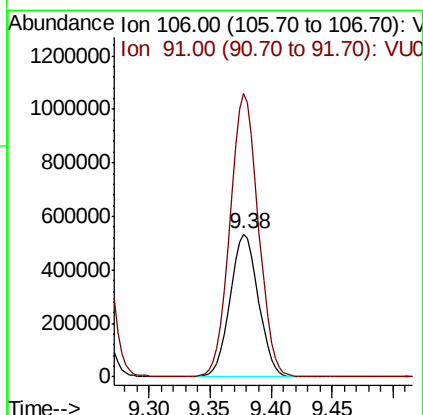
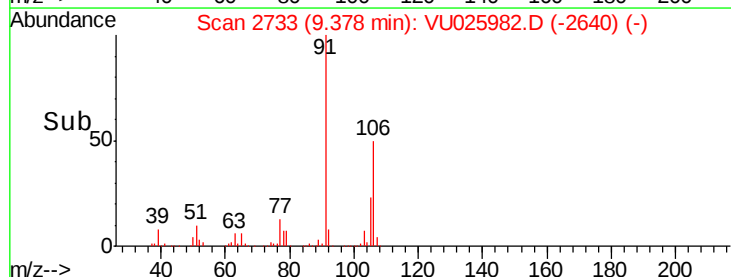
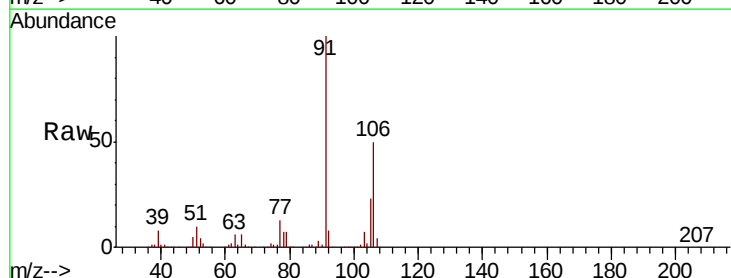
Acq: 08 Aug 2018 20:54

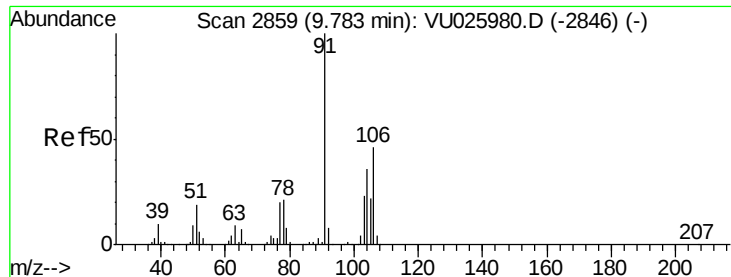
Tgt Ion: 106 Resp: 859509

Ion Ratio Lower Upper

106 100

91 198.4 141.3 262.5





#54

o-xylene

Concen: 218.983 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

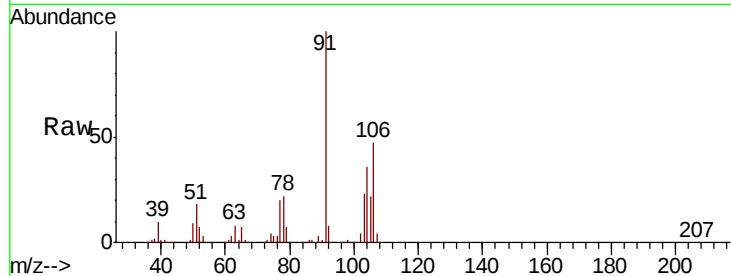
VSTD20046

Tgt Ion:106 Resp: 849398

Ion Ratio Lower Upper

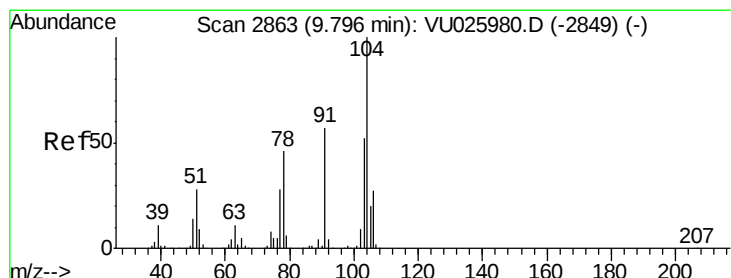
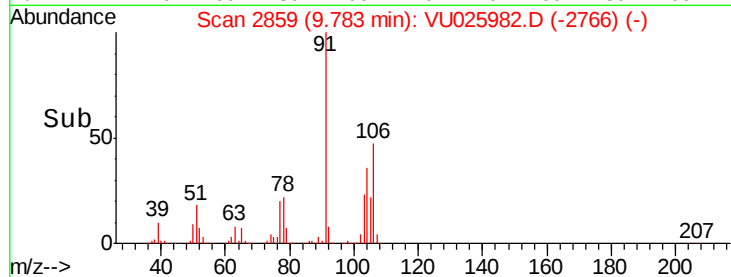
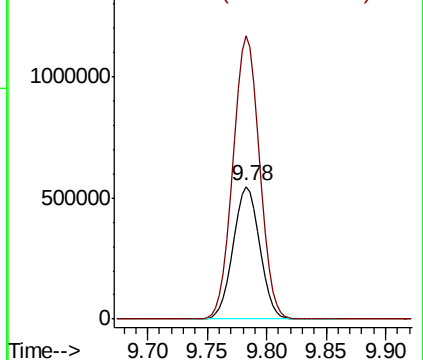
106 100

91 213.8 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 226.195 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025982.D

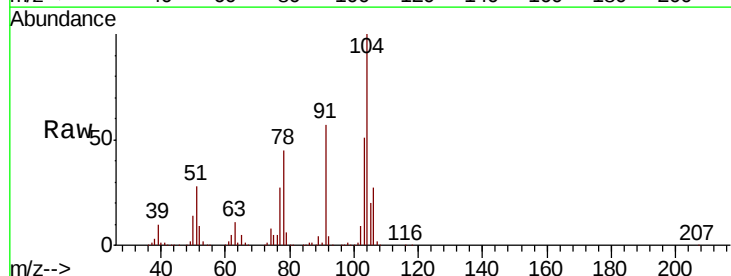
Acq: 08 Aug 2018 20:54

Tgt Ion:104 Resp: 1475236

Ion Ratio Lower Upper

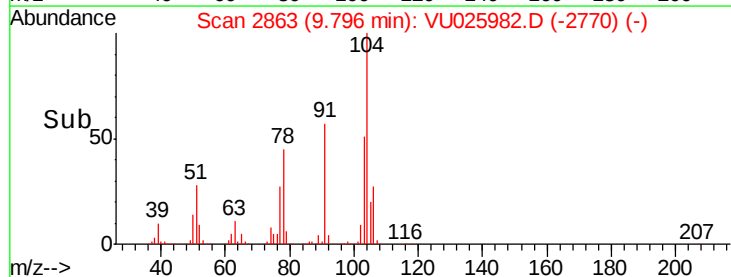
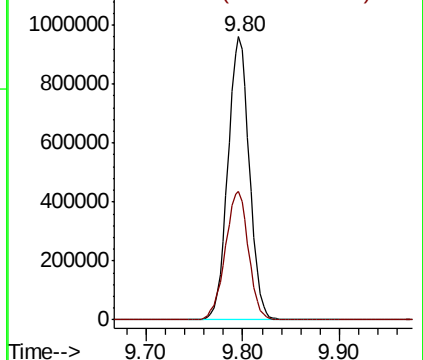
104 100

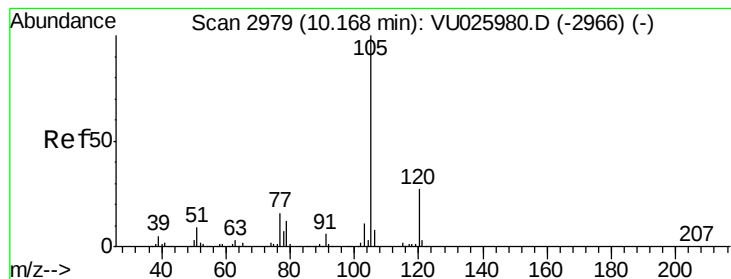
78 45.2 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 218.688 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD20046

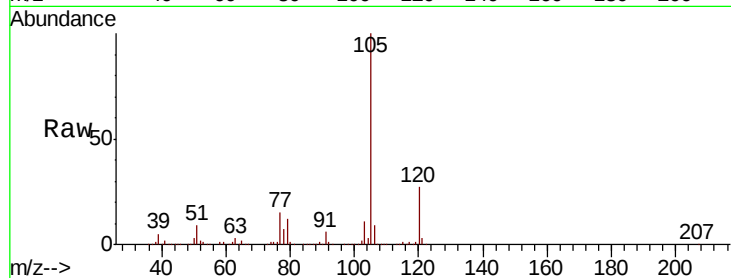
Tgt Ion:105 Resp: 2250678

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

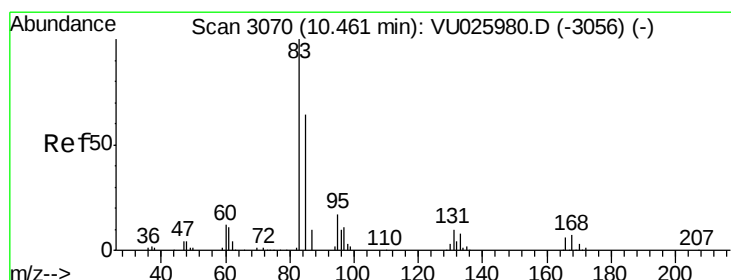
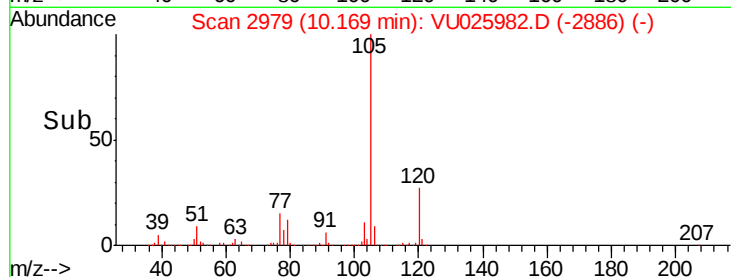
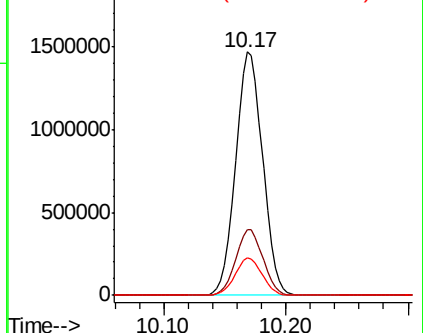
77 15.2 12.6 18.8



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: 222.264 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

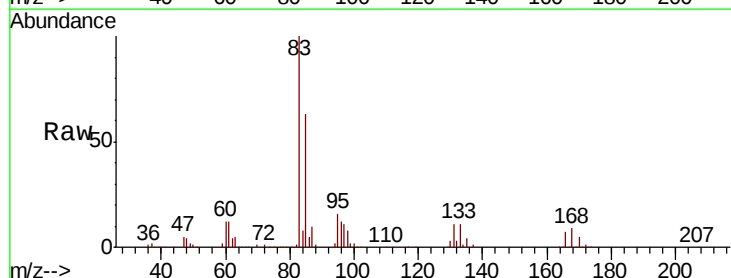
Tgt Ion: 83 Resp: 811524

Ion Ratio Lower Upper

83 100

85 63.3 45.0 83.6

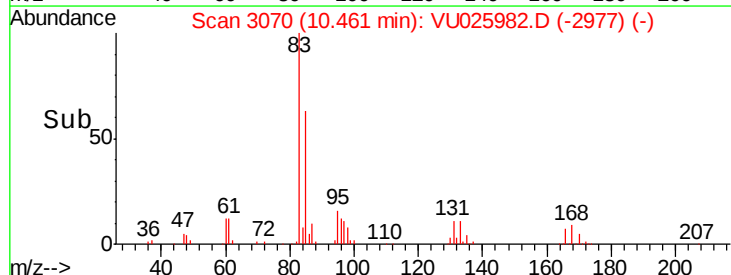
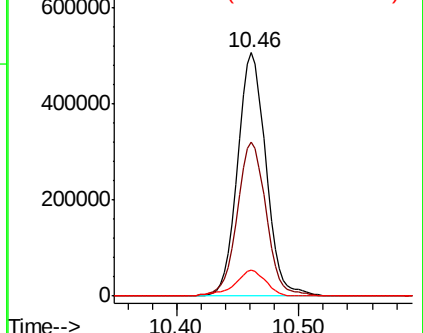
131 10.6 8.6 12.8

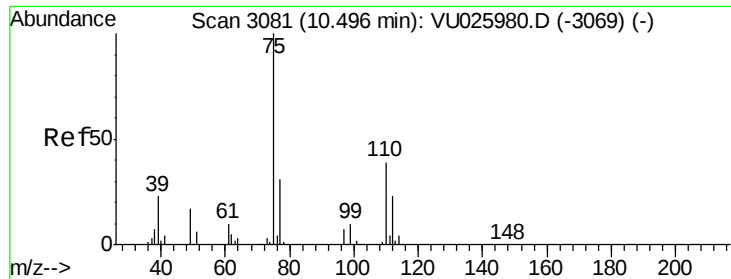


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

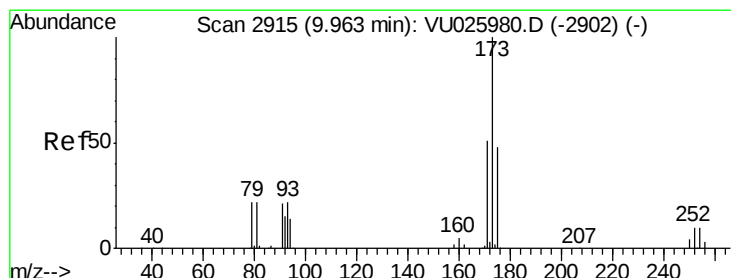
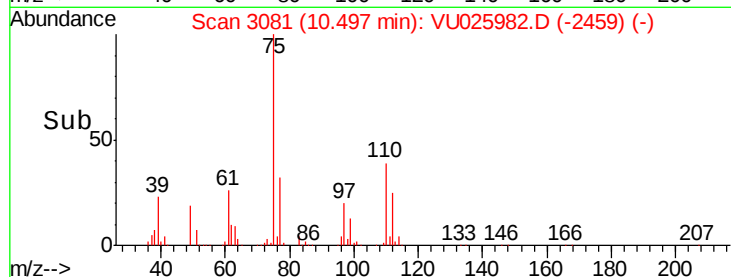
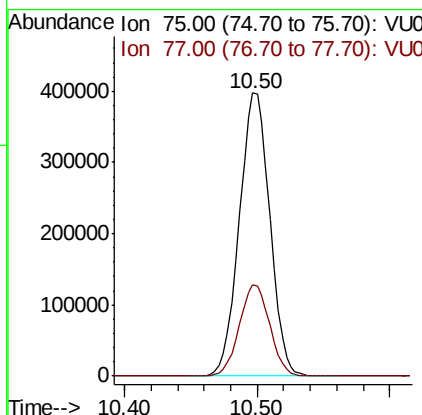
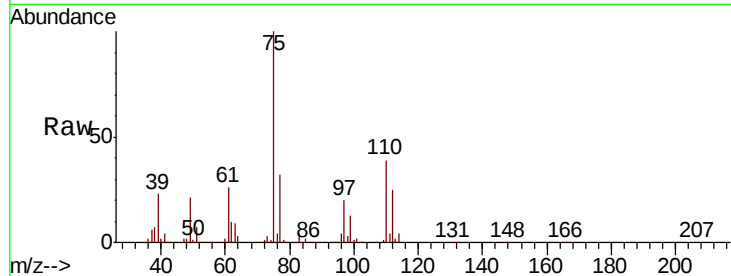




#59
 1,2,3-Trichloropropane
 Concen: 220.744 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

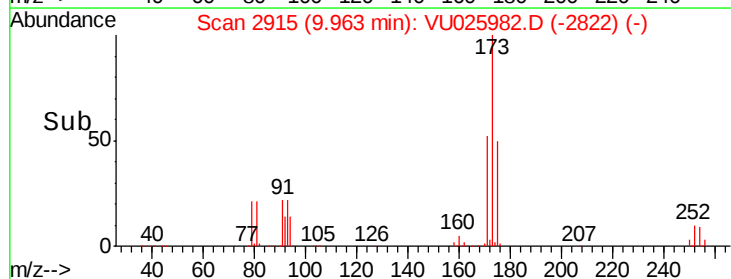
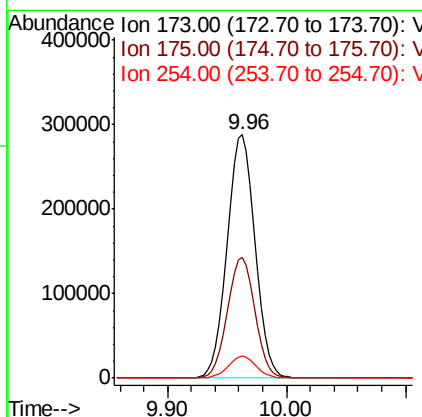
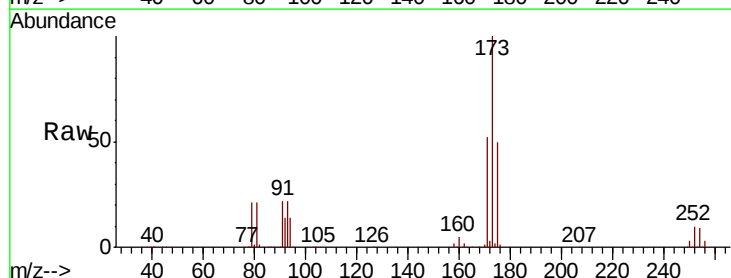
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20046

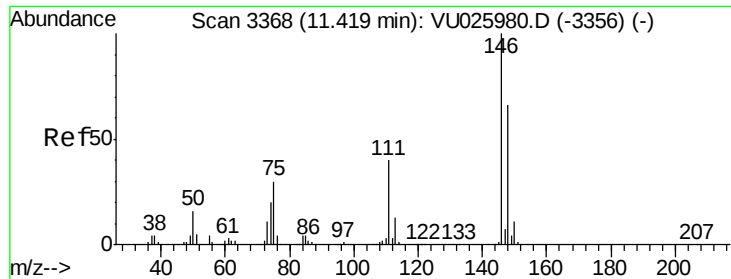
Tgt Ion: 75 Resp: 635606
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9



#61
 Bromoform
 Concen: 229.029 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

Tgt Ion: 173 Resp: 469163
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.9 58.3
 254 9.0 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 207.954 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD20046

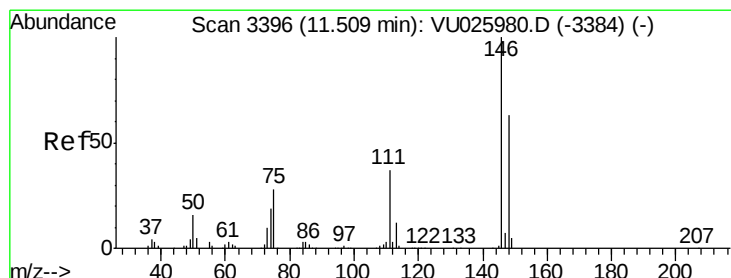
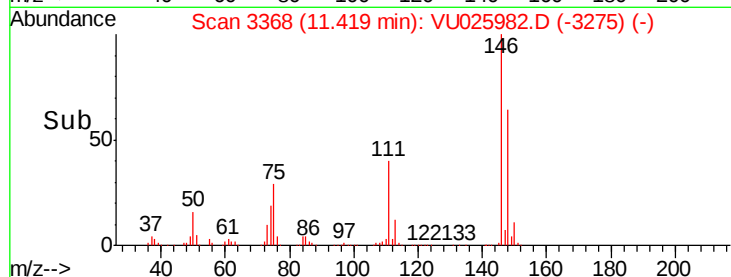
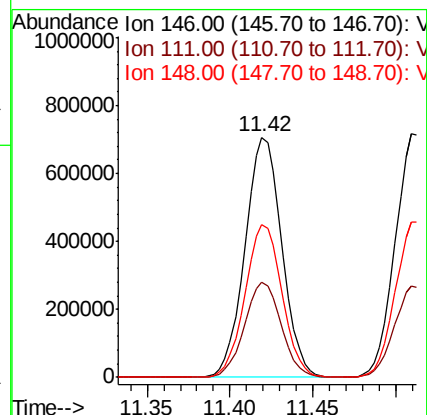
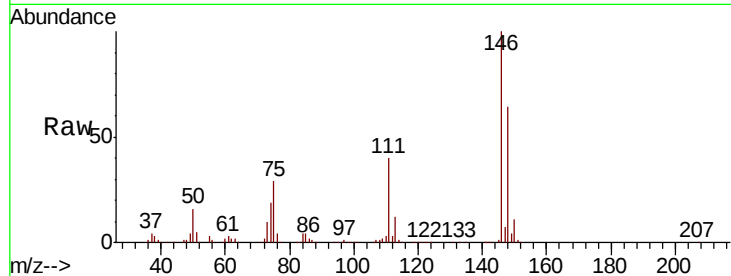
Tgt Ion:146 Resp: 1089453

Ion Ratio Lower Upper

146 100

111 39.5 27.9 51.9

148 63.7 46.0 85.4



#63

1,4-Dichlorobenzene

Concen: 205.917 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

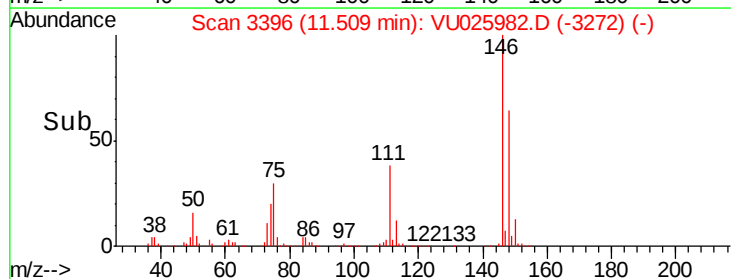
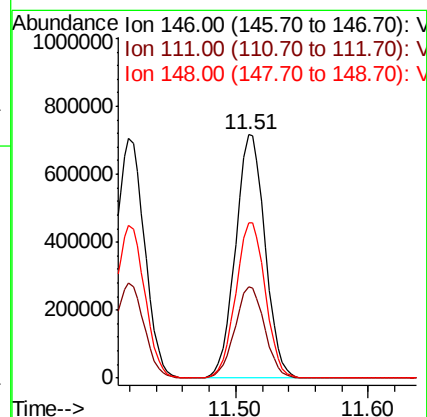
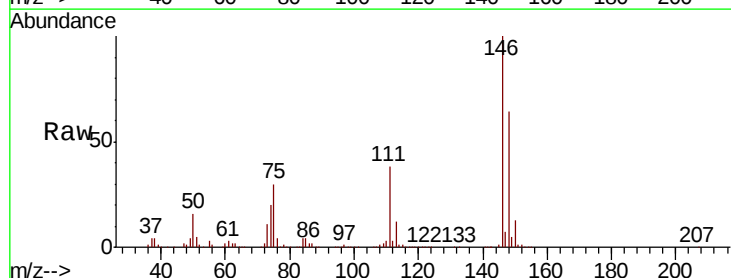
Tgt Ion:146 Resp: 1104876

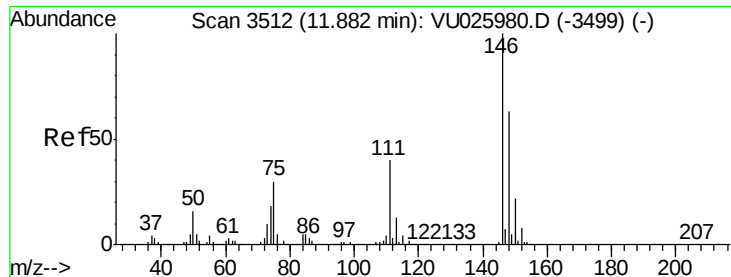
Ion Ratio Lower Upper

146 100

111 37.7 26.4 49.0

148 63.8 43.8 81.4

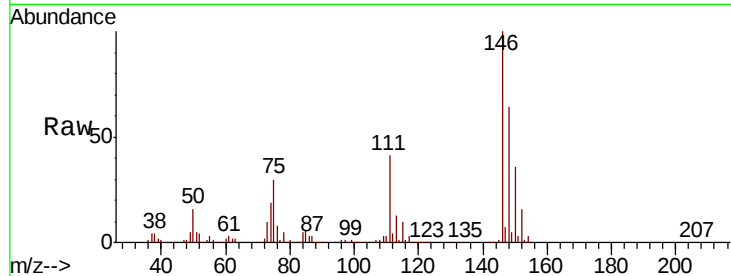




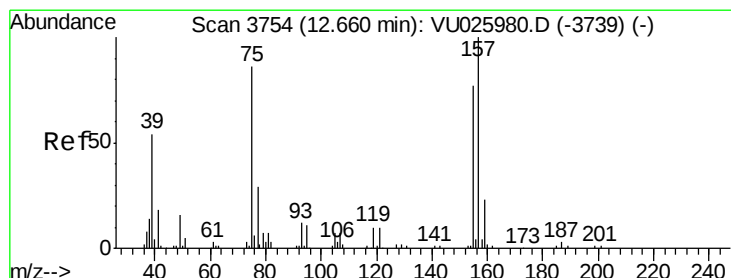
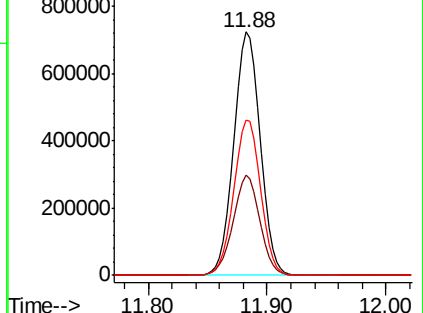
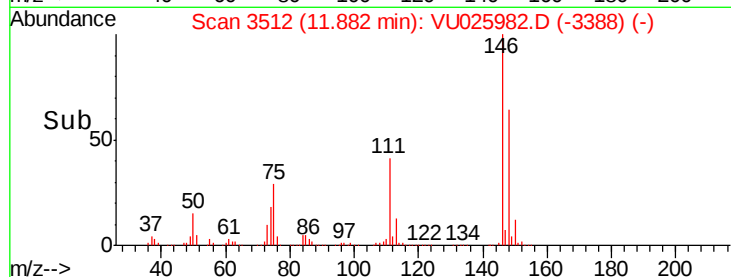
#65
 1,2-Dichlorobenzene
 Concen: 209.555 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20046

Tgt Ion:146 Resp: 1115113
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.4 48.6
 148 64.0 50.1 75.1

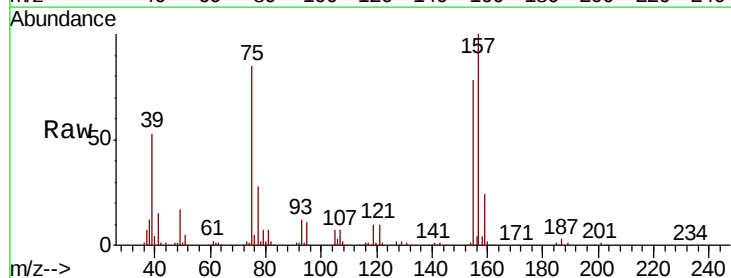


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

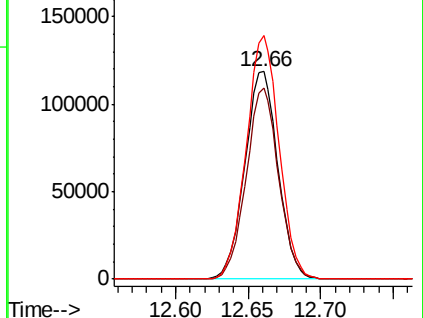
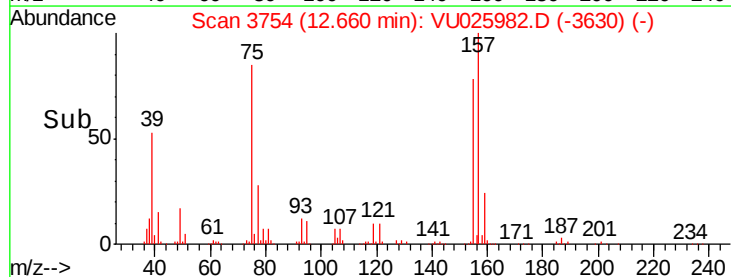


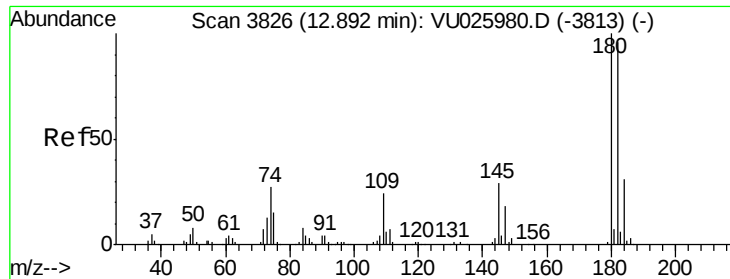
#66
 1,2-Dibromo-3-chloropropane
 Concen: 228.235 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

Tgt Ion: 75 Resp: 188959
 Ion Ratio Lower Upper
 75 100
 155 91.9 71.8 107.8
 157 117.3 93.0 139.6



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

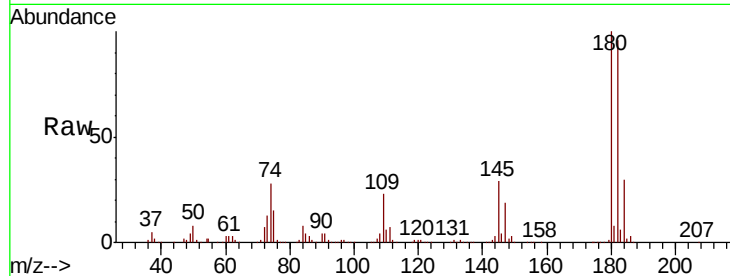




#67
 1,3,5-Trichlorobenzene
 Concen: 212.819 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20046

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.5	114.7
184	30.2	24.3	36.5
145	29.1	23.5	35.3



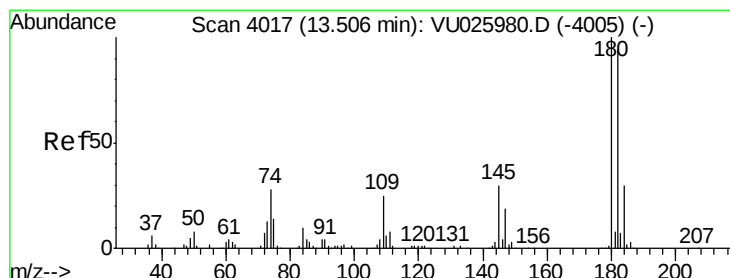
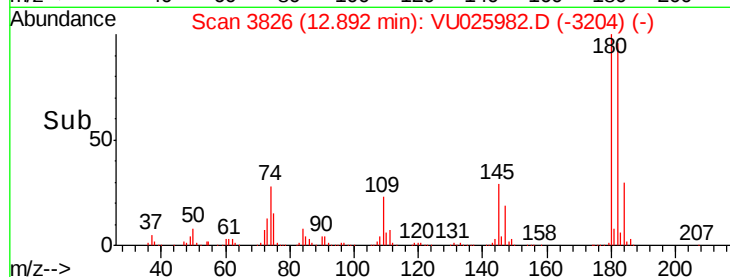
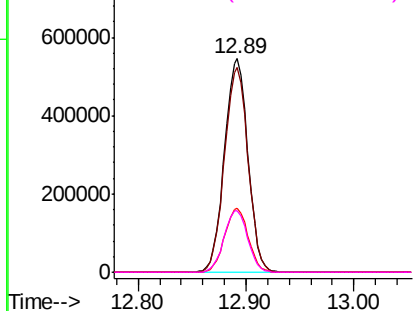
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

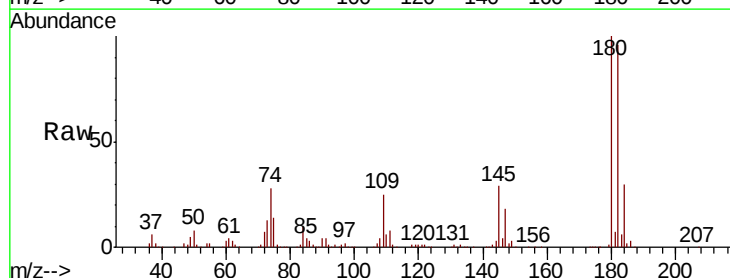
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 225.040 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025982.D
 Acq: 08 Aug 2018 20:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
145	29.8	24.2	36.4

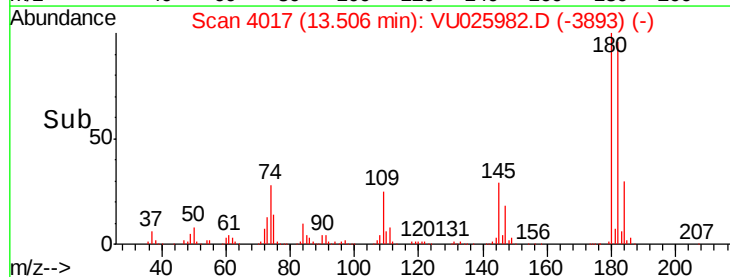
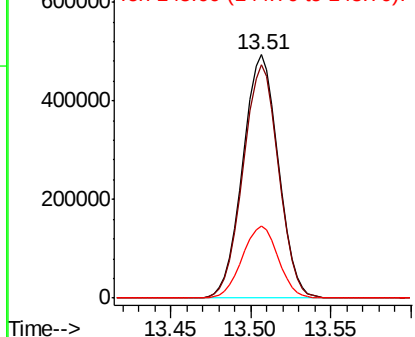


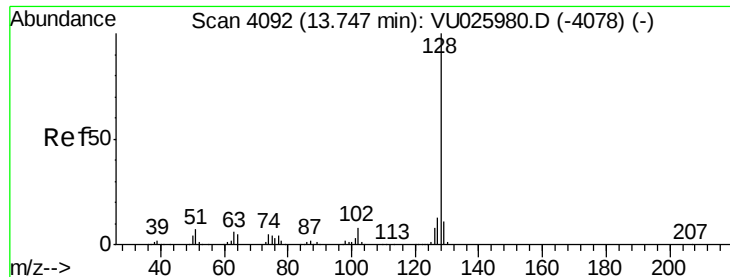
Abundance

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: 245.025 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD20046

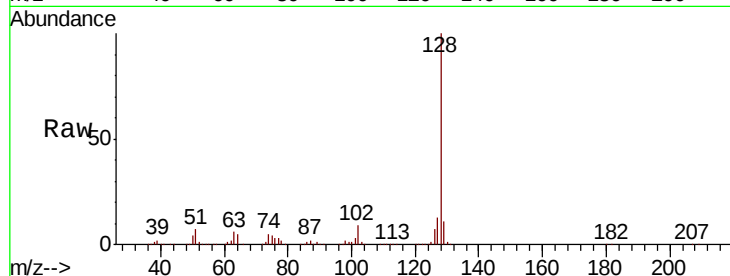
Tgt Ion:128 Resp: 2460781

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

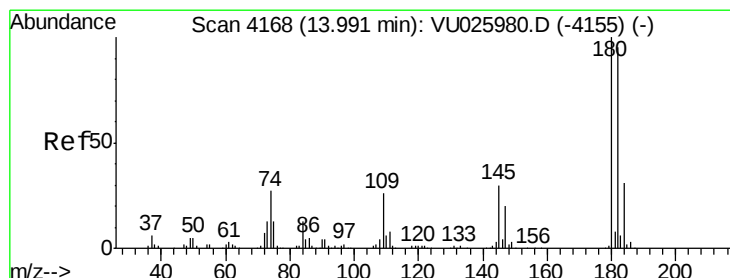
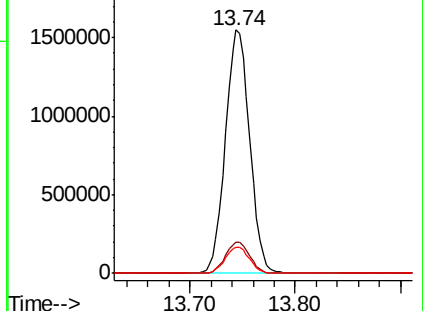
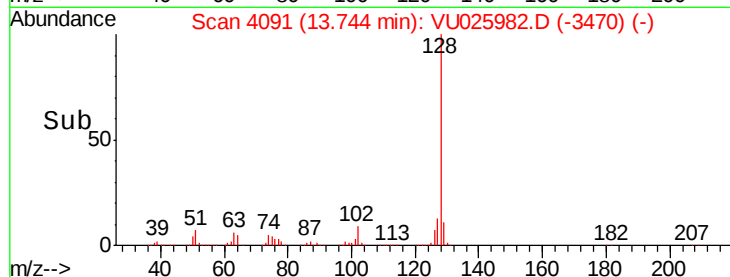
129 10.9 8.6 13.0



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: 224.741 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025982.D

Acq: 08 Aug 2018 20:54

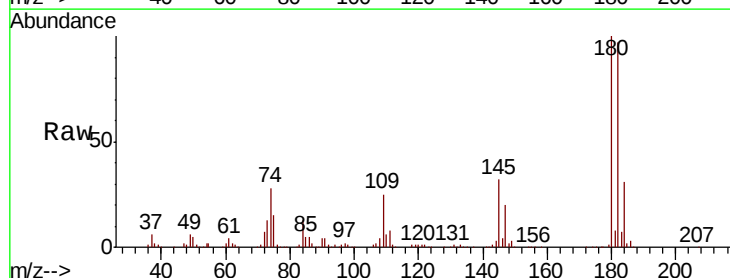
Tgt Ion:180 Resp: 780390

Ion Ratio Lower Upper

180 100

182 96.1 76.5 114.7

145 31.5 24.7 37.1



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

