

Data File : VU031983.D
Acq On : 14 May 2019 10:44
Operator : JC/SP
Sample : VSTD01051
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Quant Time: May 15 01:47:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 01:44:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1036465	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1070628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	439672	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93614	10.77	ug/L	0.00
7) Chloroethane-d5	1.67	69	77558	11.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	173063	10.20	ug/L	0.00
21) 2-Butanone-d5	4.18	46	123009	16.40	ug/L	0.00
24) Chloroform-d	4.64	84	158540	10.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	99688	9.84	ug/L	0.00
32) Benzene-d6	5.34	84	310978	9.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	104781	9.31	ug/L	0.00
41) Toluene-d8	7.56	98	270923	9.56	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	41948	8.68	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	71164	14.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	148430	9.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	94583	10.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	105778	9.595 ug/L	100
3) Chloromethane	1.32	50	119402	9.061 ug/L	98
5) Vinyl chloride	1.40	62	120202	9.594 ug/L	92
6) Bromomethane	1.61	94	64158	9.672 ug/L	100
8) Chloroethane	1.69	64	72549	10.495 ug/L	99
9) Trichlorofluoromethane	1.88	101	138565	9.736 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	82712	10.107 ug/L	97
12) 1,1-Dichloroethene	2.28	96	81957	10.256 ug/L	95
13) Acetone	2.32	43	156102	18.596 ug/L	98
14) Carbon disulfide	2.47	76	269918	10.229 ug/L	100
15) Methyl Acetate	2.61	43	105714	8.330 ug/L #	100
16) Methylene chloride	2.70	84	103768	10.945 ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	82117	9.830 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	252041	9.558 ug/L	100
19) 1,1-Dichloroethane	3.44	63	169316	9.813 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	90407	10.067 ug/L	98
22) 2-Butanone	4.26	43	153422	16.434 ug/L	97
23) Bromochloromethane	4.55	128	47221	10.771 ug/L	100
25) Chloroform	4.67	83	168522	10.163 ug/L	96
27) 1,2-Dichloroethane	5.40	62	129528	9.661 ug/L	99
29) Cyclohexane	4.99	56	127325	7.834 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	133760	9.250 ug/L	98
31) Carbon tetrachloride	5.13	117	111243	9.037 ug/L	99
33) Benzene	5.38	78	371528	9.650 ug/L	100
34) Trichloroethene	6.18	95	91949	9.858 ug/L	97
35) Methylcyclohexane	6.41	83	125389	8.884 ug/L	94
38) Bromodichloromethane	6.75	83	120194	9.179 ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	128295	8.791 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	248524	15.179 ug/L	98
42) Toluene	7.63	91	367522	9.519 ug/L	99

Data File : VU031983.D
Acq On : 14 May 2019 10:44
Operator : JC/SP
Sample : VSTD01051
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Quant Time: May 15 01:47:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 01:44:17 2019
Response via : Initial Calibration

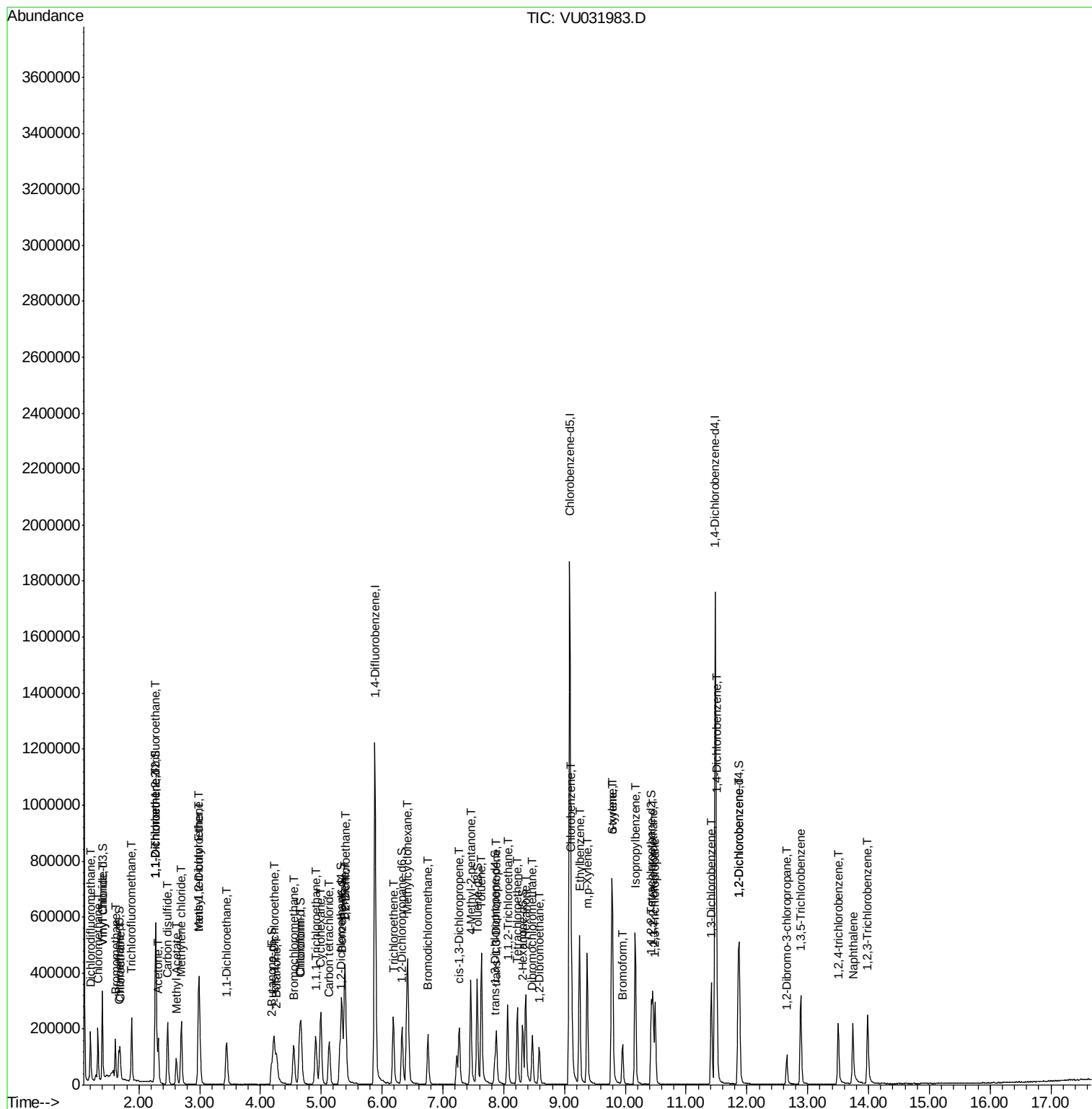
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.88	75	113288	8.663	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	92964	10.294	ug/L	94
46) Tetrachloroethene	8.22	164	64318	9.993	ug/L	93
48) 2-Hexanone	8.36	43	208431	15.813	ug/L	94
49) Dibromochloromethane	8.47	129	89242	9.552	ug/L	96
50) 1,2-Dibromoethane	8.58	107	94313	9.836	ug/L	98
51) Chlorobenzene	9.12	112	238895	10.387	ug/L	100
52) Ethylbenzene	9.25	91	382905	9.527	ug/L	99
53) m,p-Xylene	9.37	106	134010	9.389	ug/L	100
54) o-xylene	9.77	106	133570	9.520	ug/L	95
55) Styrene	9.79	104	230078	9.627	ug/L	98
56) Isopropylbenzene	10.16	105	341790	9.333	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	165298	10.251	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	127669	9.802	ug/L	97
61) Bromoform	9.95	173	65403	10.253	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	150572	10.368	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	160806	10.657	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	165797	10.745	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	32103	9.309	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	106599	9.819	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	70065	8.182	ug/L	96
69) Naphthalene	13.74	128	216098	7.371	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	85276	8.756	ug/L	98

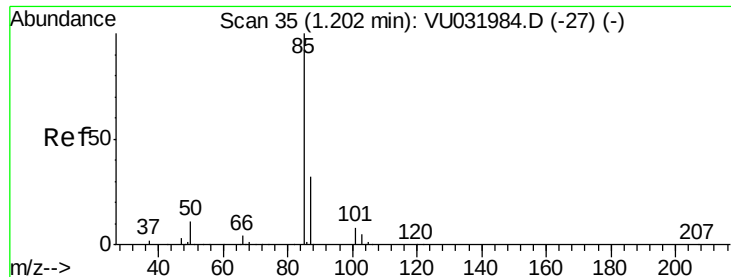
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031983.D
Acq On : 14 May 2019 10:44
Operator : JC/SP
Sample : VSTD01051
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Quant Time: May 15 01:47:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 01:44:17 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.595 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

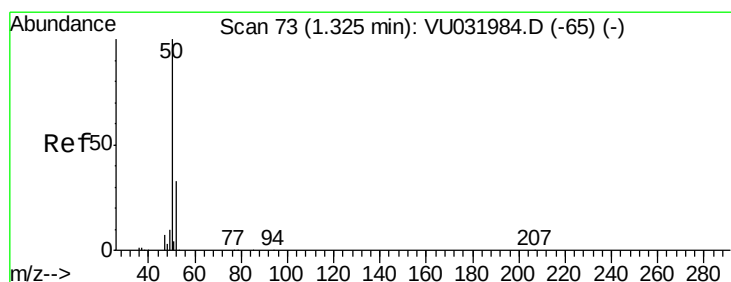
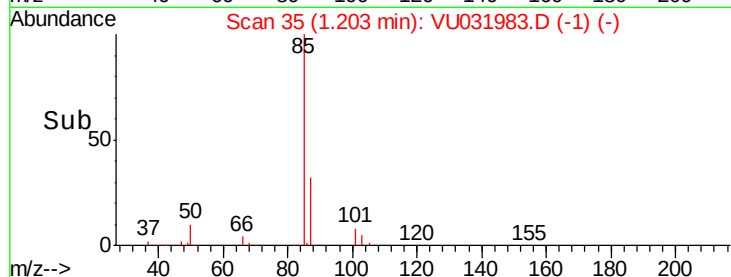
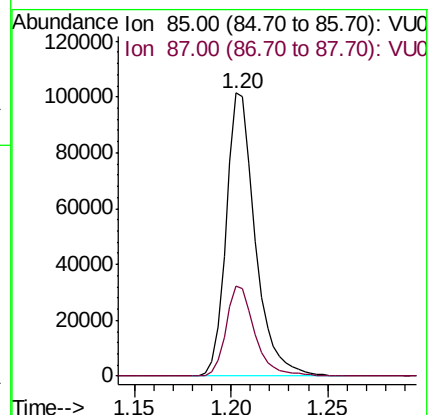
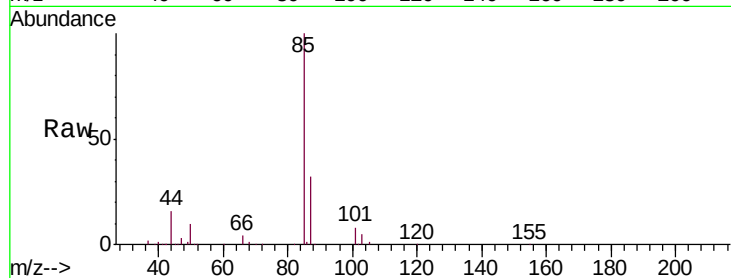
VSTD01051

Tgt Ion: 85 Resp: 105778

Ion Ratio Lower Upper

85 100

87 31.5 25.4 38.0



#3

Chloromethane

Concen: 9.061 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031983.D

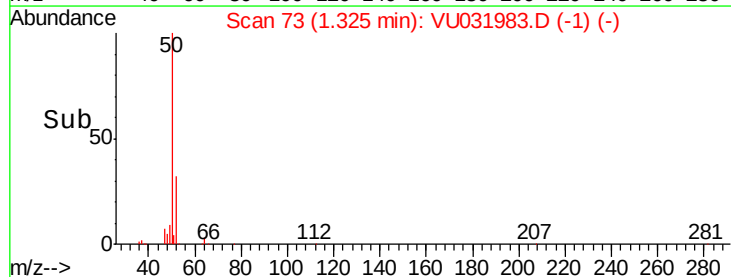
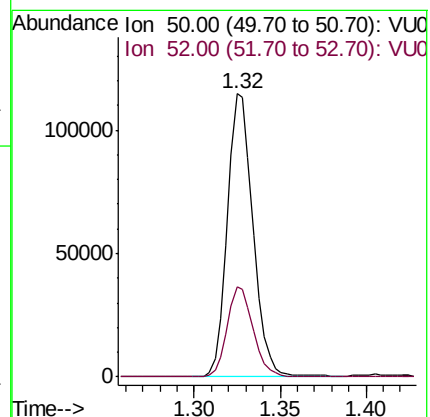
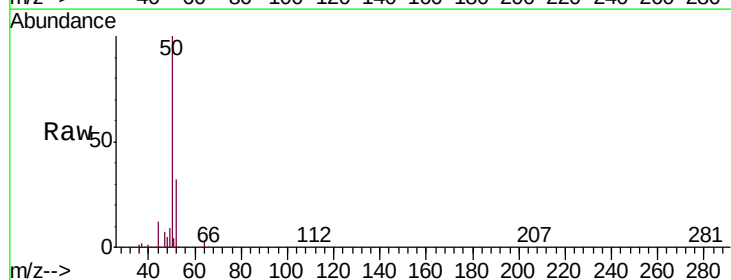
Acq: 14 May 2019 10:44

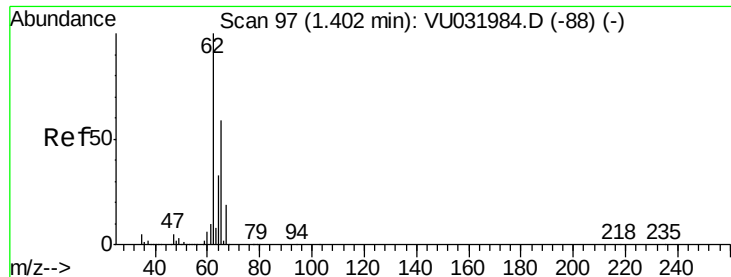
Tgt Ion: 50 Resp: 119402

Ion Ratio Lower Upper

50 100

52 31.8 23.0 42.6





#5

Vinyl chloride

Concen: 9.594 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

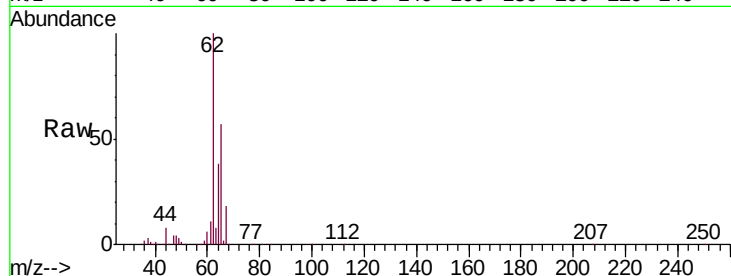
VSTD01051

Tgt Ion: 62 Resp: 120202

Ion Ratio Lower Upper

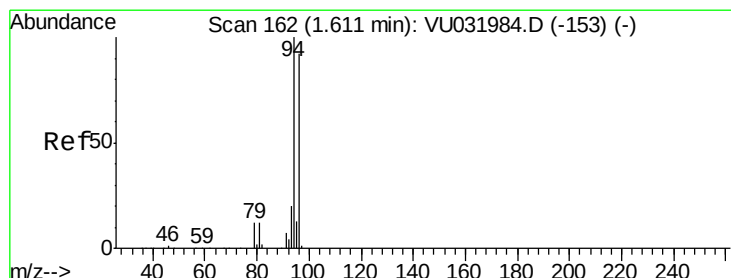
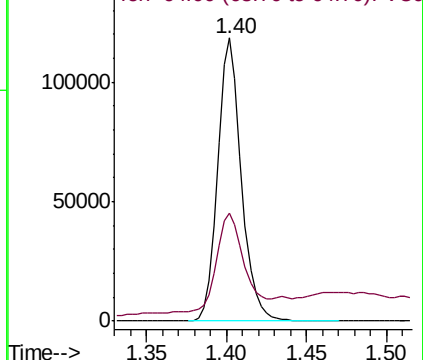
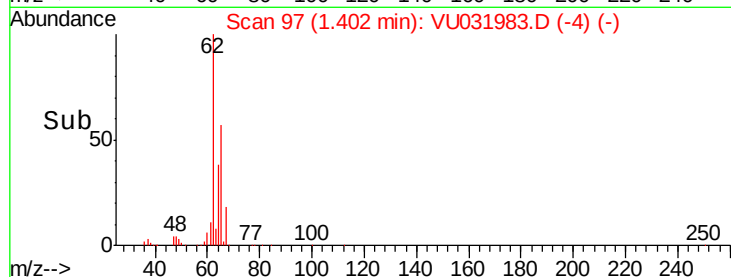
62 100

64 38.1 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU031983.D (-4) (-)

Ion 64.00 (63.70 to 64.70): VU031983.D (-4) (-)



#6

Bromomethane

Concen: 9.672 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU031983.D

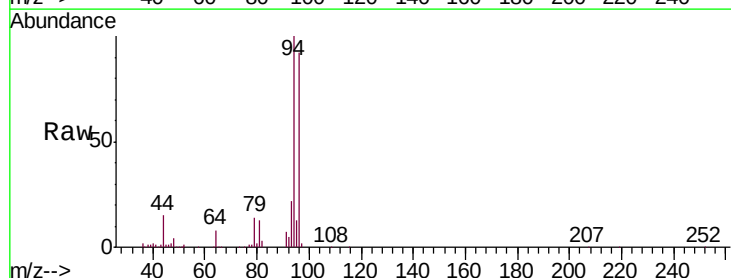
Acq: 14 May 2019 10:44

Tgt Ion: 94 Resp: 64158

Ion Ratio Lower Upper

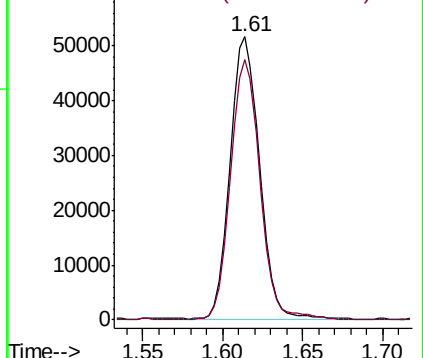
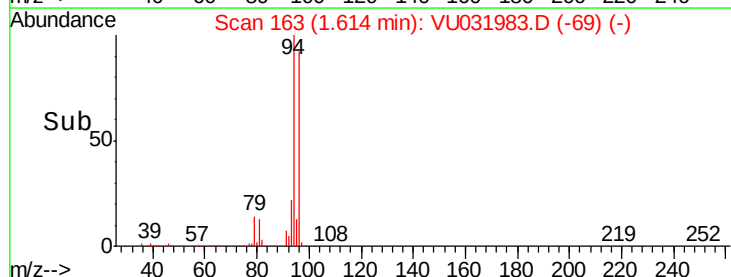
94 100

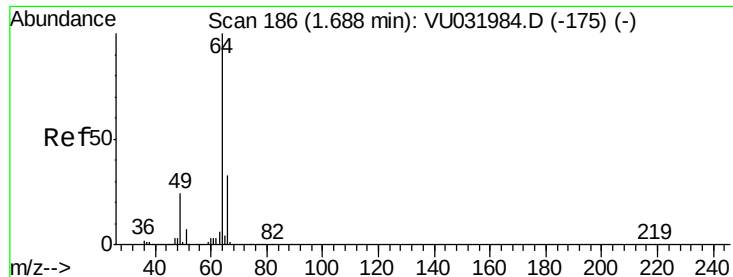
96 91.8 64.0 118.8



Abundance Ion 94.00 (93.70 to 94.70): VU031983.D (-69) (-)

Ion 96.00 (95.70 to 96.70): VU031983.D (-69) (-)





#8

Chloroethane

Concen: 10.495 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

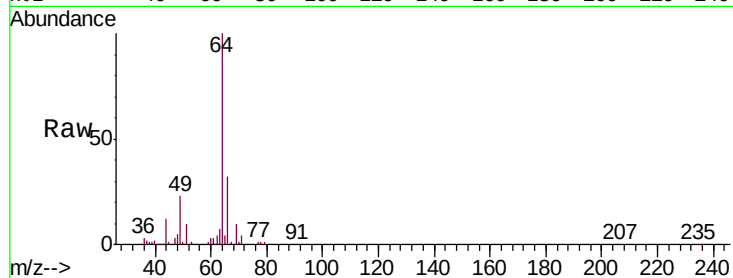
VSTD01051

Tgt Ion: 64 Resp: 72549

Ion Ratio Lower Upper

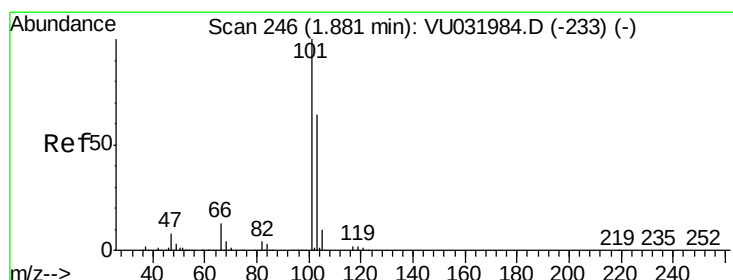
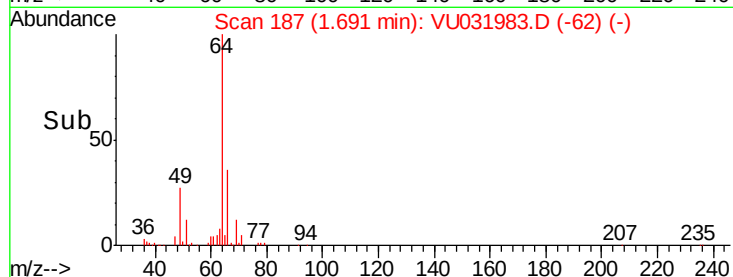
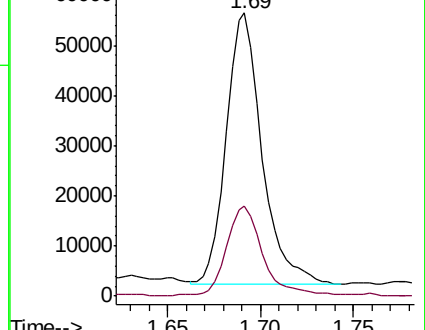
64 100

66 31.7 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VU031984.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU031984.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 9.736 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031983.D

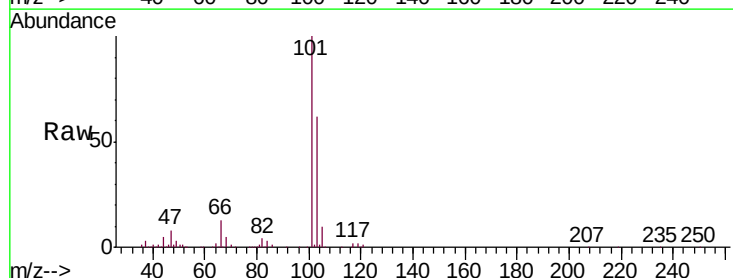
Acq: 14 May 2019 10:44

Tgt Ion: 101 Resp: 138565

Ion Ratio Lower Upper

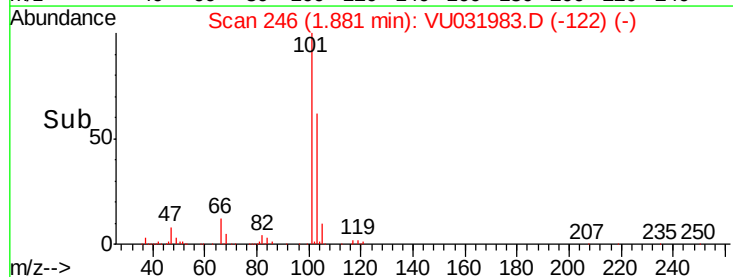
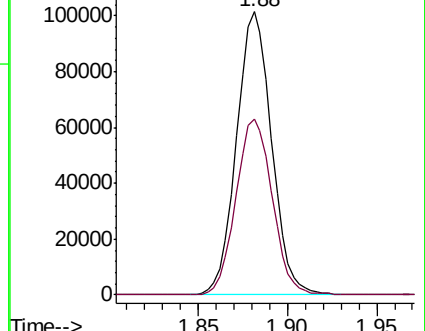
101 100

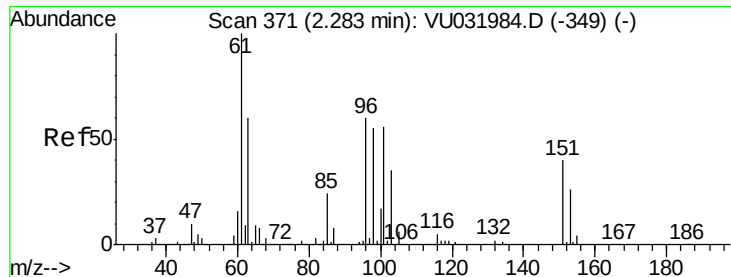
103 64.5 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU031984.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU031984.D (-233) (-)





#10

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

Concen: 10.107 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

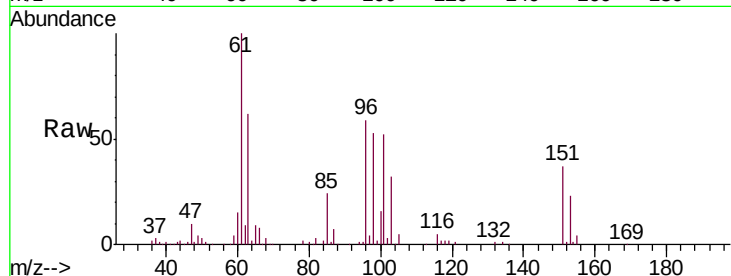
Tgt Ion: 101 Resp: 82712

Ion Ratio Lower Upper

101 100

85 44.5 34.1 51.1

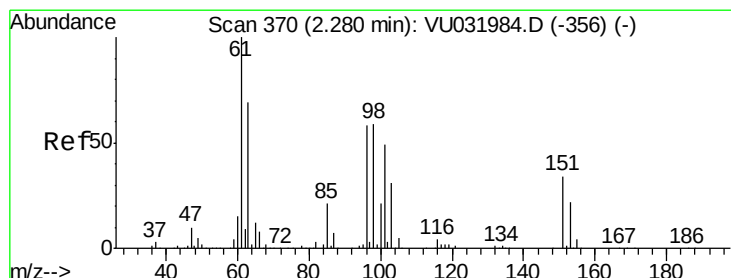
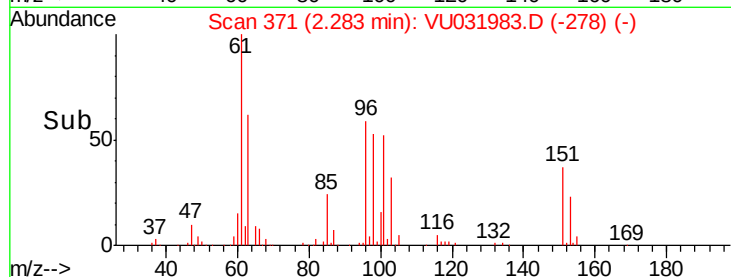
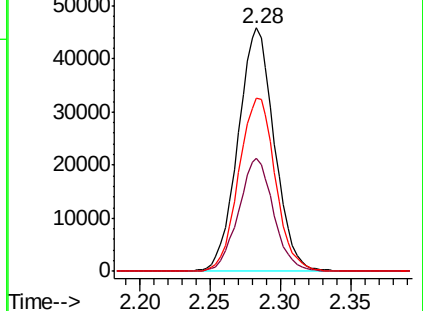
151 71.7 55.8 83.8



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: 10.256 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

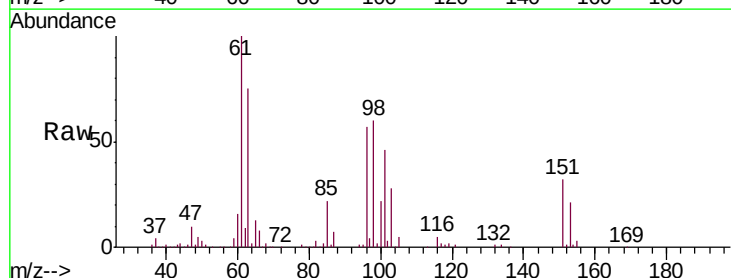
Tgt Ion: 96 Resp: 81957

Ion Ratio Lower Upper

96 100

61 174.9 120.9 224.5

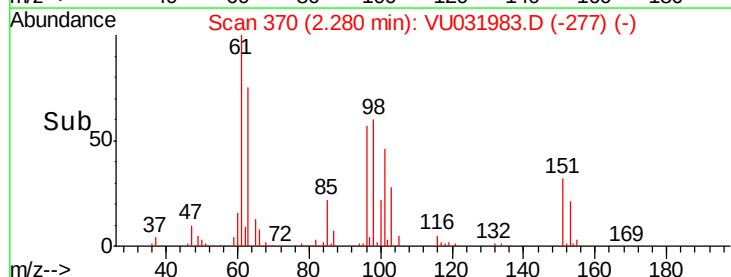
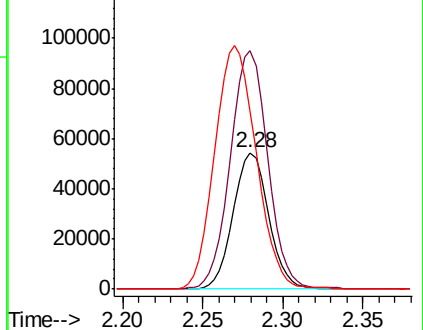
63 130.6 84.4 156.8

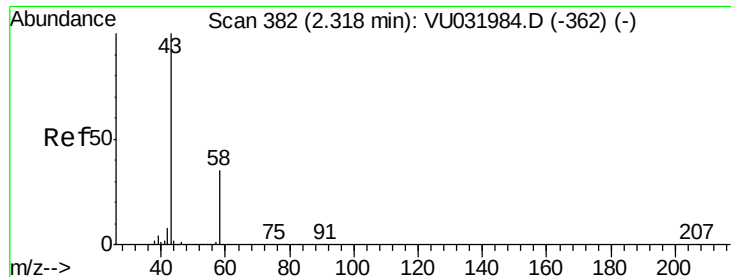


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 18.596 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

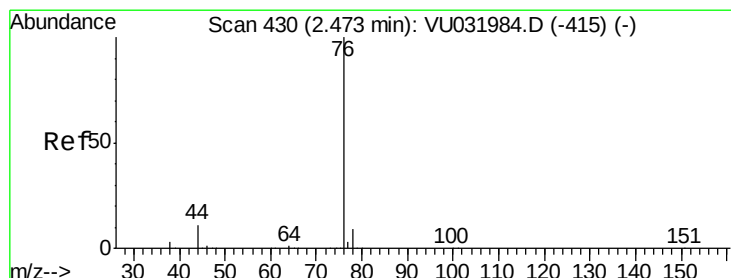
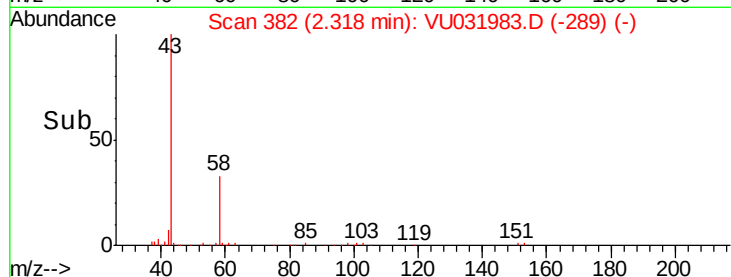
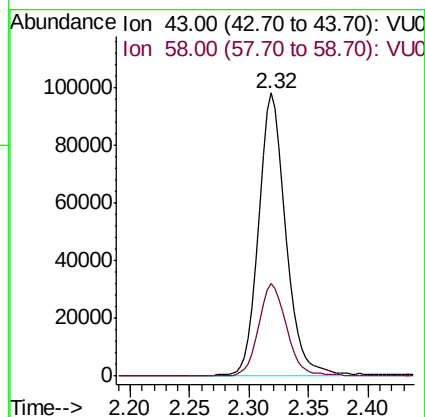
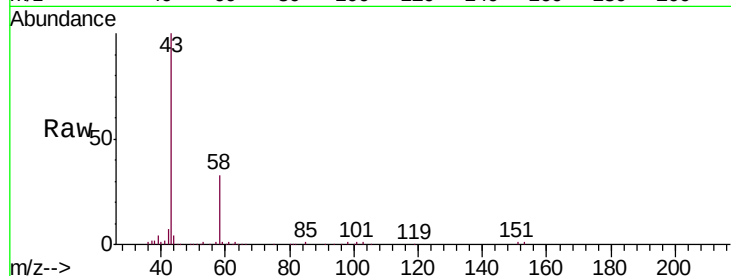
VSTD01051

Tgt Ion: 43 Resp: 156102

Ion Ratio Lower Upper

43 100

58 32.9 0.0 68.2



#14

Carbon disulfide

Concen: 10.229 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031983.D

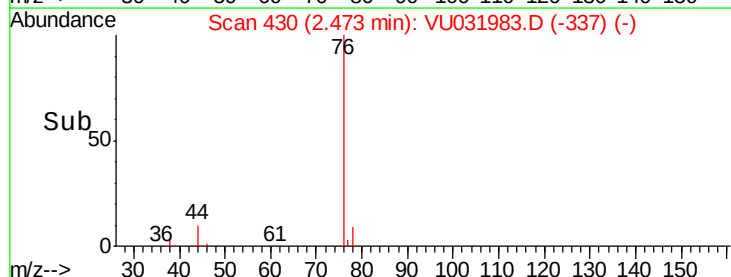
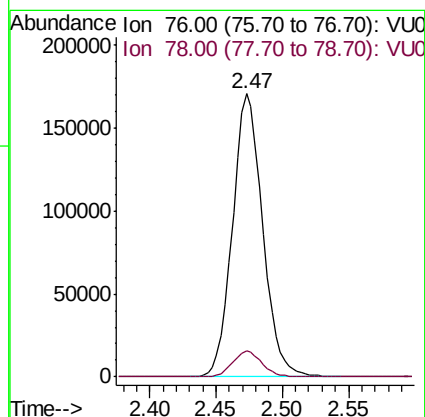
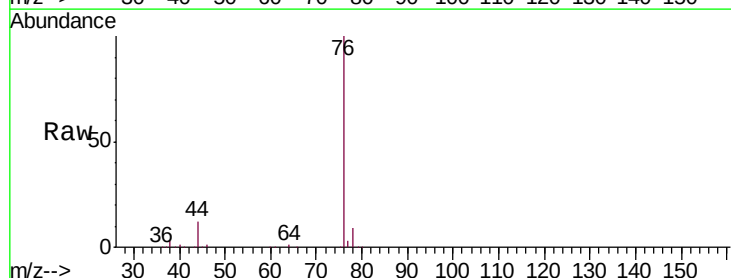
Acq: 14 May 2019 10:44

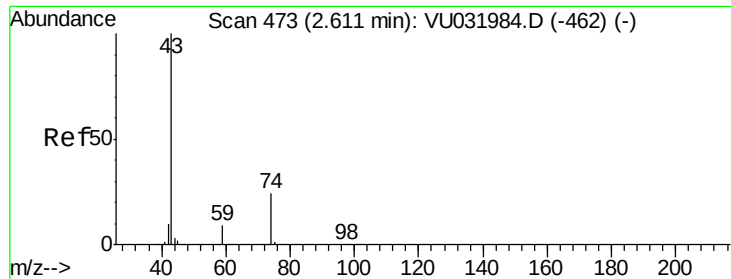
Tgt Ion: 76 Resp: 269918

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

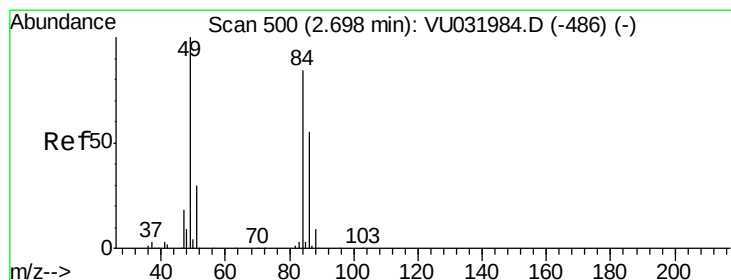
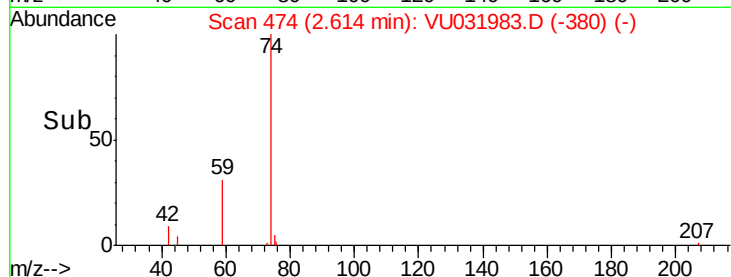
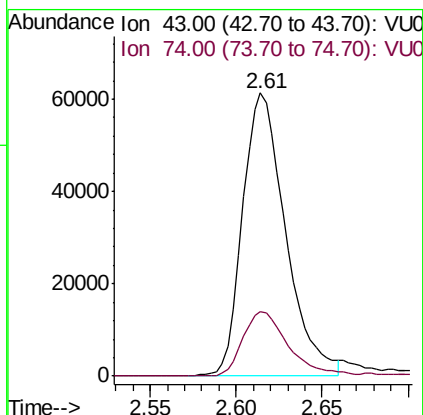
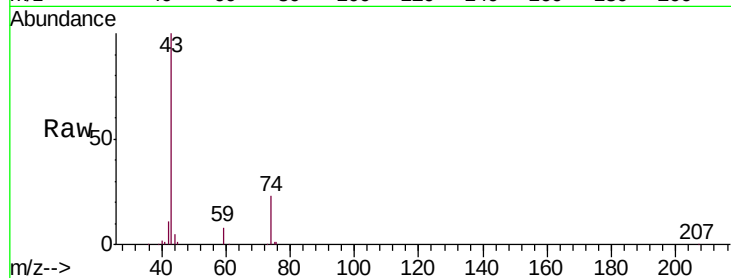




#15
Methyl Acetate
Concen: 8.330 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU031983.D
Acq: 14 May 2019 10:44

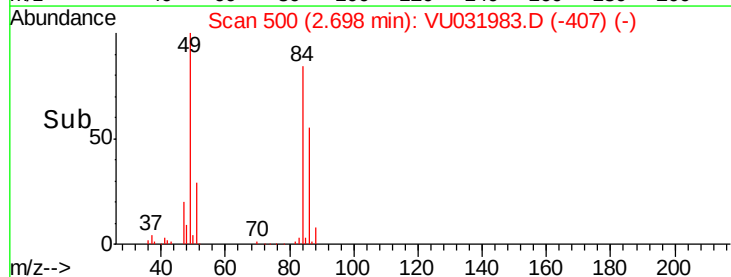
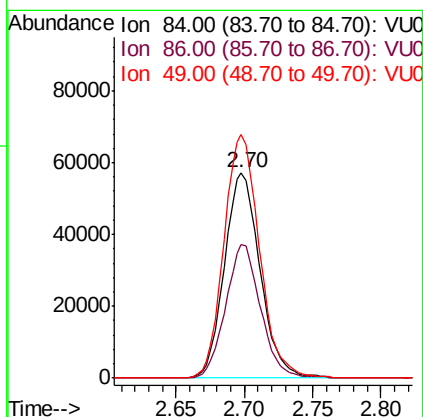
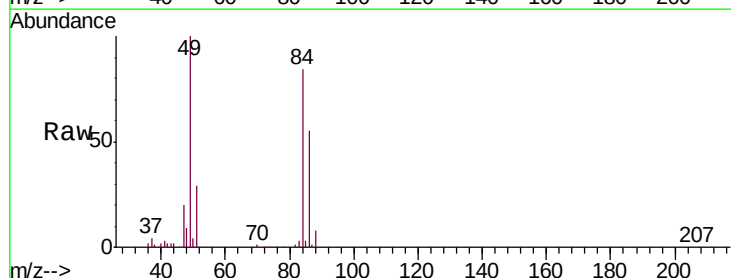
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

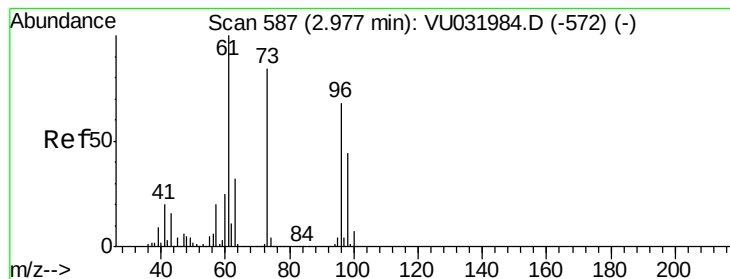
Tgt Ion: 43 Resp: 105714
Ion Ratio Lower Upper
43 100
74 24.5 0.0 0.0#



#16
Methylene chloride
Concen: 10.945 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031983.D
Acq: 14 May 2019 10:44

Tgt Ion: 84 Resp: 103768
Ion Ratio Lower Upper
84 100
86 65.2 45.8 85.0
49 118.5 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 9.830 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

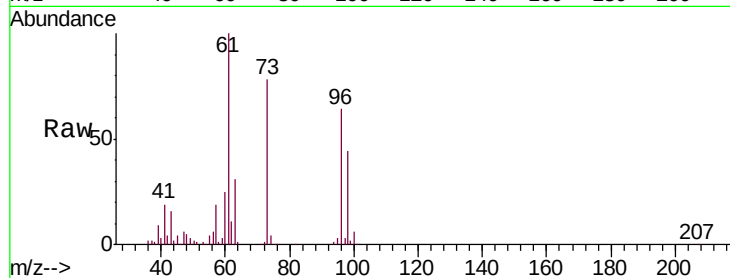
Tgt Ion: 96 Resp: 82117

Ion Ratio Lower Upper

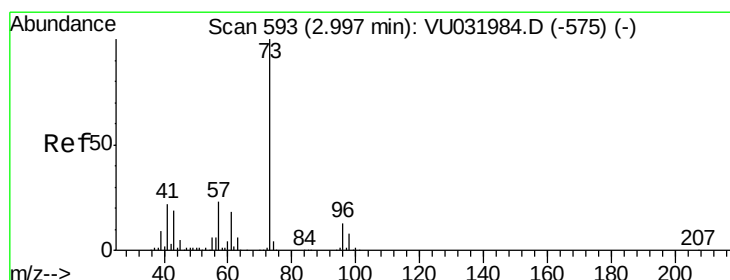
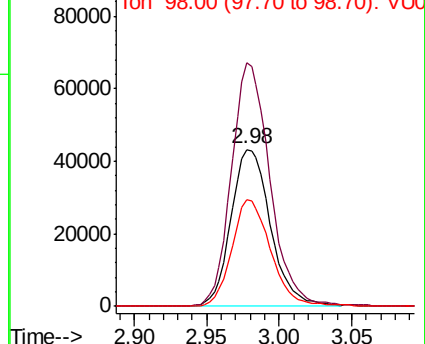
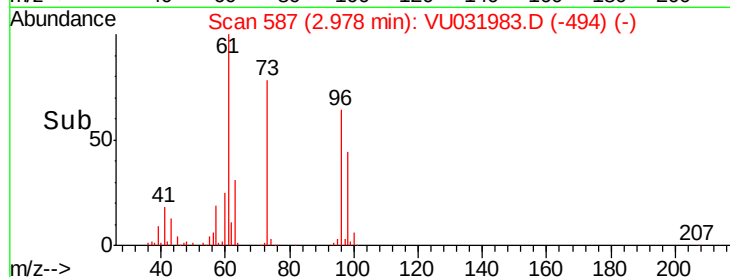
96 100

61 155.4 103.2 191.6

98 67.9 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VU031983.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 9.558 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

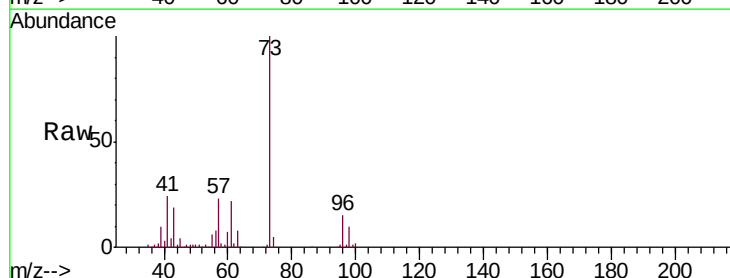
Tgt Ion: 73 Resp: 252041

Ion Ratio Lower Upper

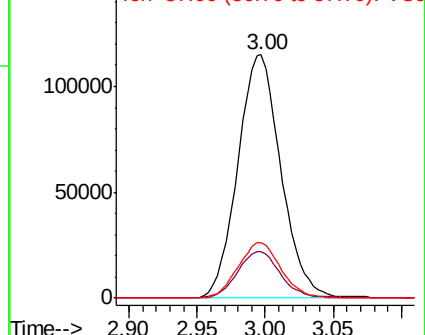
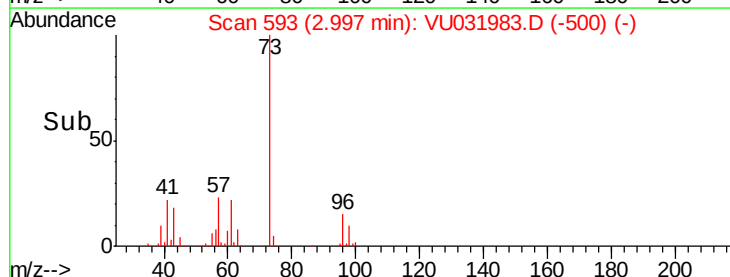
73 100

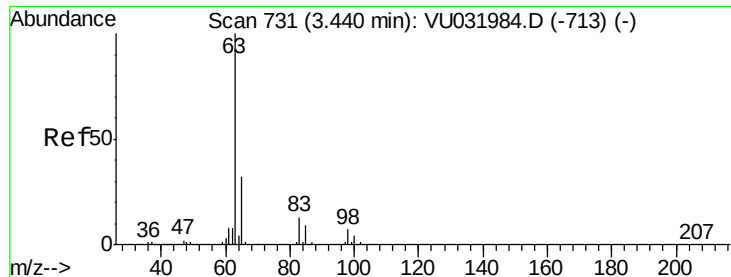
43 19.2 15.1 22.7

57 22.7 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VU031983.D (-500) (-)

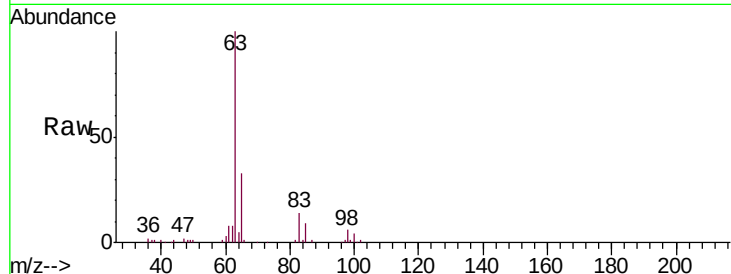




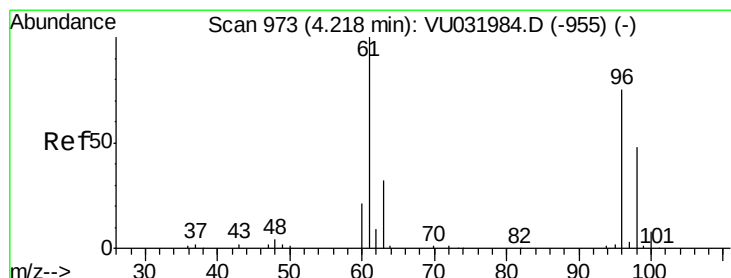
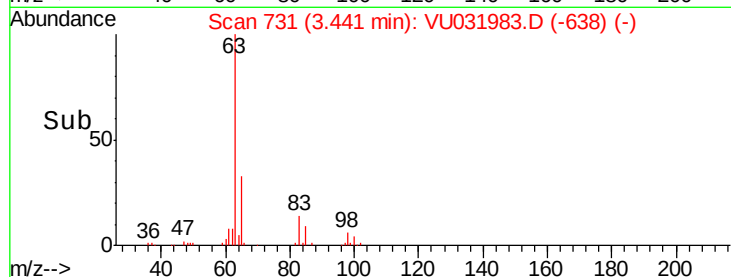
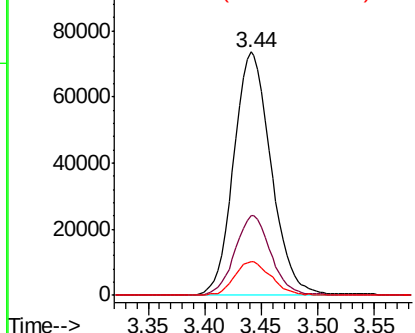
#19
 1,1-Dichloroethane
 Concen: 9.813 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tgt Ion: 63 Resp: 169316
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.2 41.2
 83 13.6 9.2 17.2

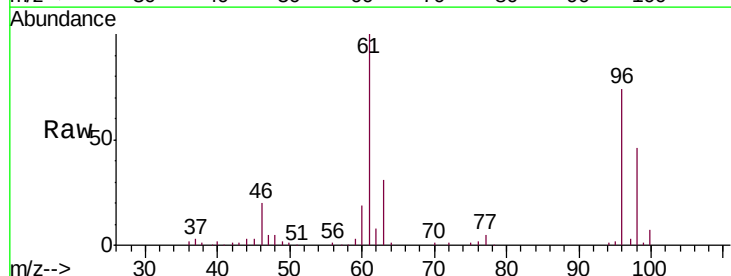


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

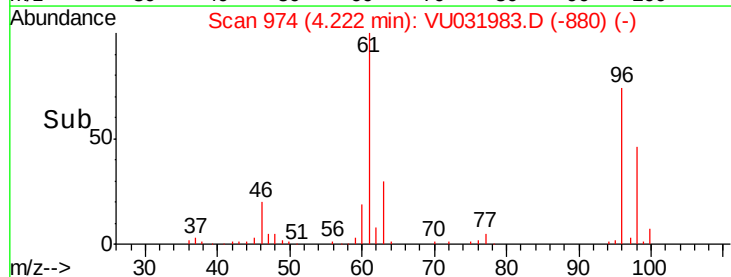
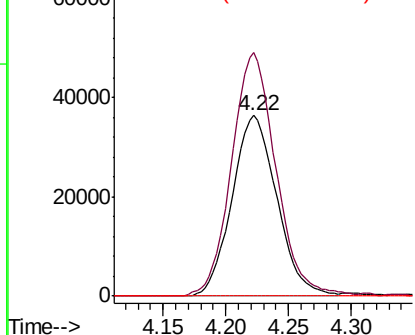


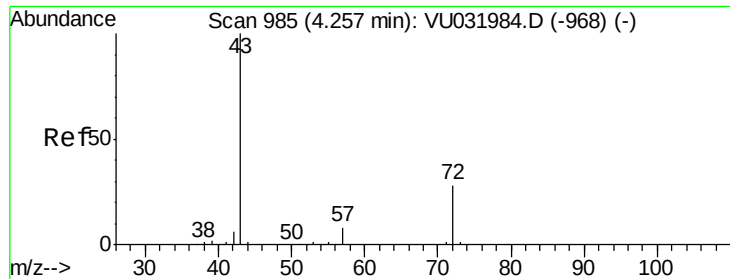
#20
 cis-1,2-Dichloroethene
 Concen: 10.067 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Tgt Ion: 96 Resp: 90407
 Ion Ratio Lower Upper
 96 100
 61 134.9 93.0 172.8
 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: 16.434 ug/L

RT: 4.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

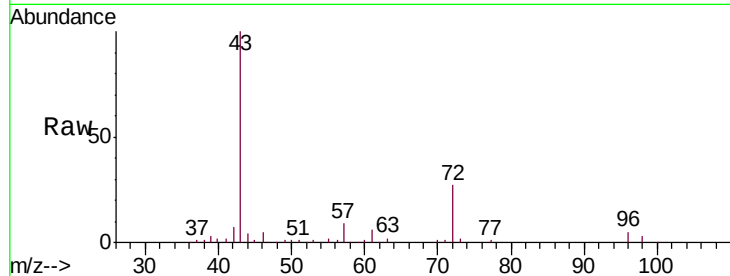
VSTD01051

Tgt Ion: 43 Resp: 153422

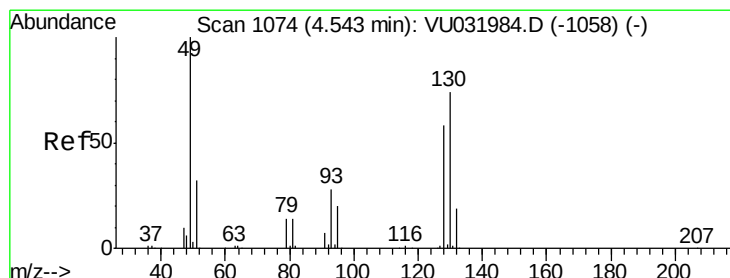
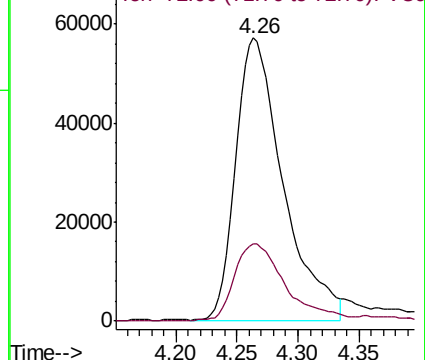
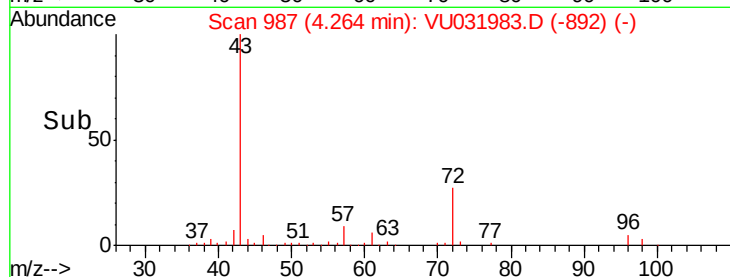
Ion Ratio Lower Upper

43 100

72 29.3 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VU031983.D (-892) (-)



#23

Bromochloromethane

Concen: 10.771 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Tgt Ion: 128 Resp: 47221

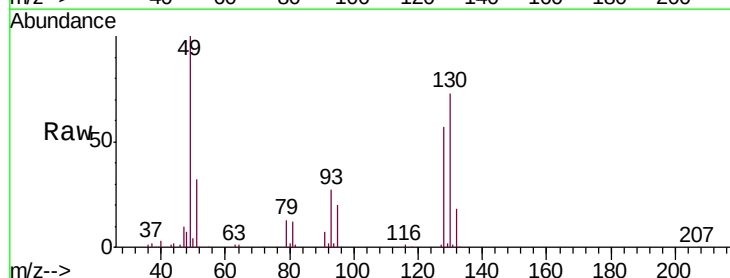
Ion Ratio Lower Upper

128 100

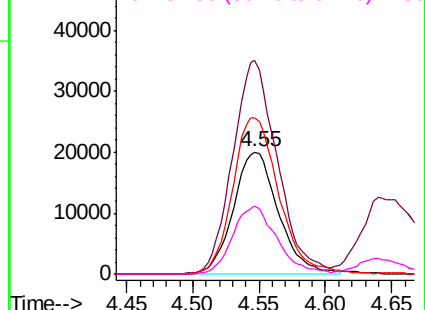
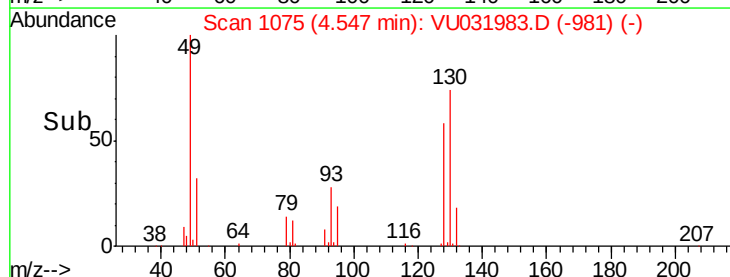
49 174.8 121.7 226.1

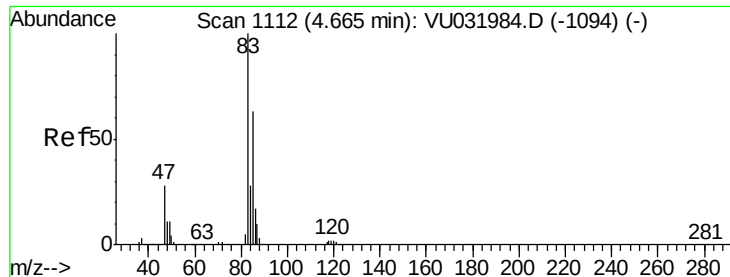
130 127.4 89.5 166.1

51 55.2 44.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): VU031983.D (-981) (-)

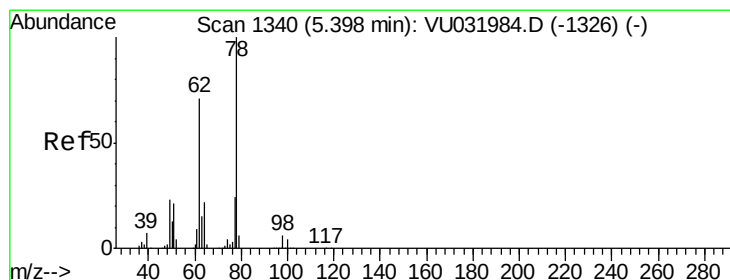
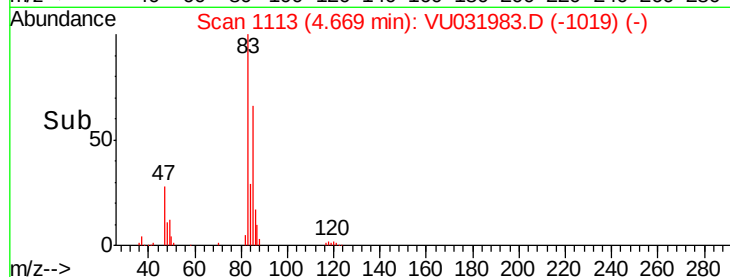
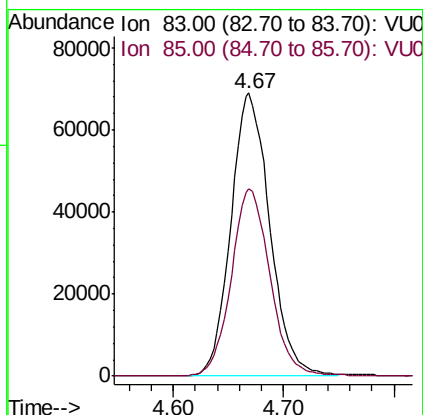
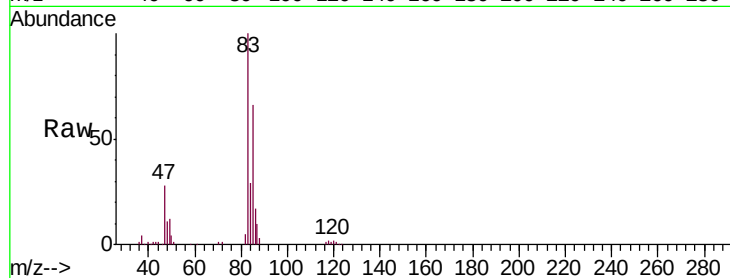




#25
Chloroform
Concen: 10.163 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031983.D
Acq: 14 May 2019 10:44

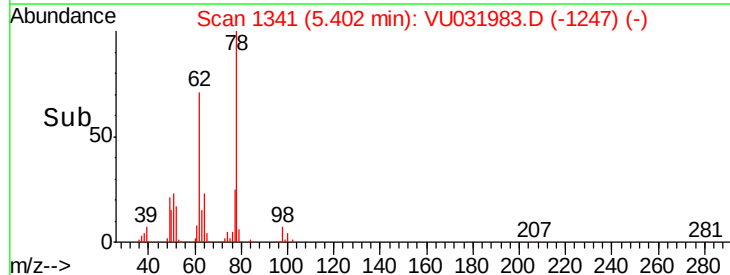
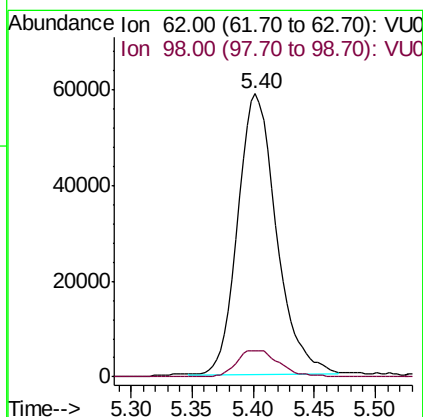
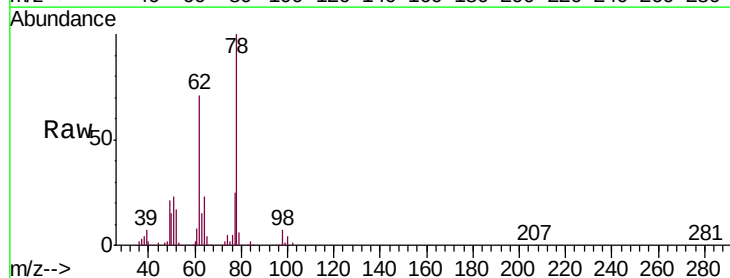
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

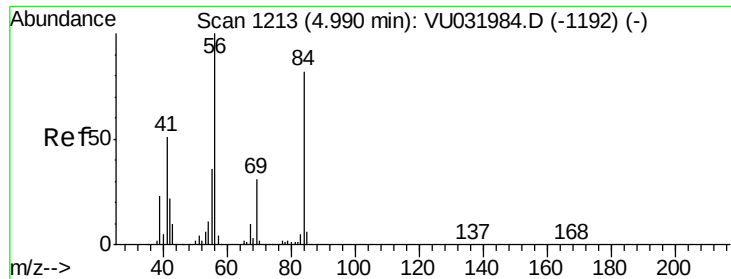
Tgt Ion: 83 Resp: 168522
Ion Ratio Lower Upper
83 100
85 66.3 44.2 82.2



#27
1,2-Dichloroethane
Concen: 9.661 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031983.D
Acq: 14 May 2019 10:44

Tgt Ion: 62 Resp: 129528
Ion Ratio Lower Upper
62 100
98 9.2 7.2 10.8

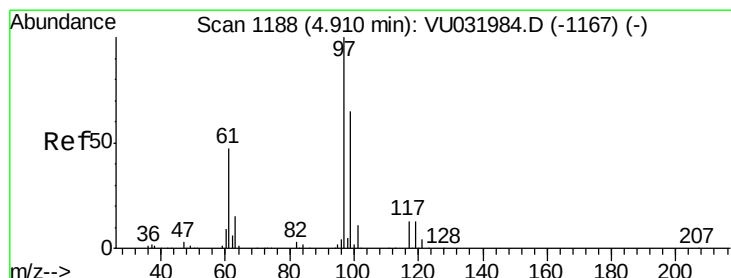
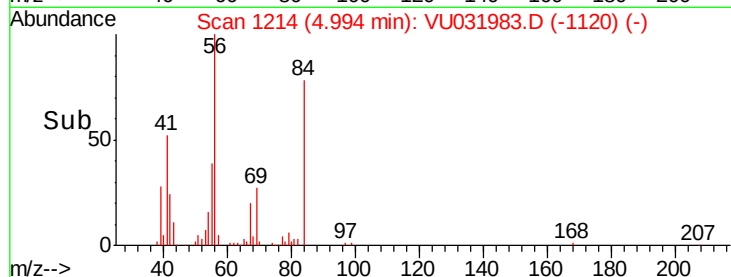
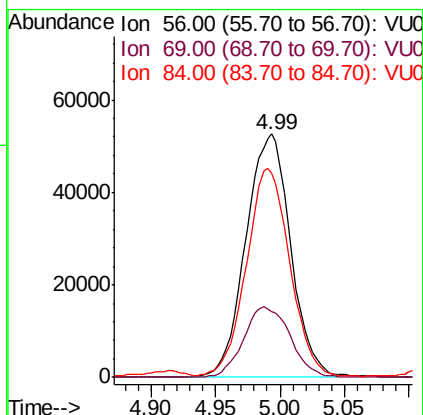
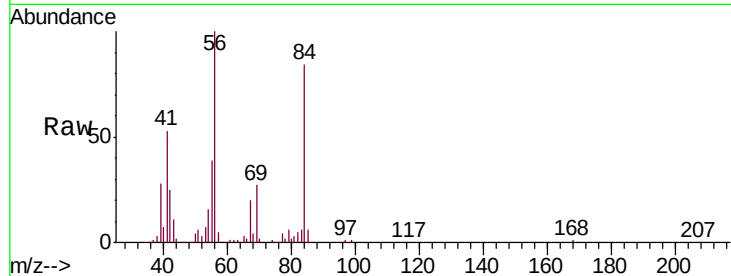




#29
Cyclohexane
Concen: 7.834 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU031983.D
Acq: 14 May 2019 10:44

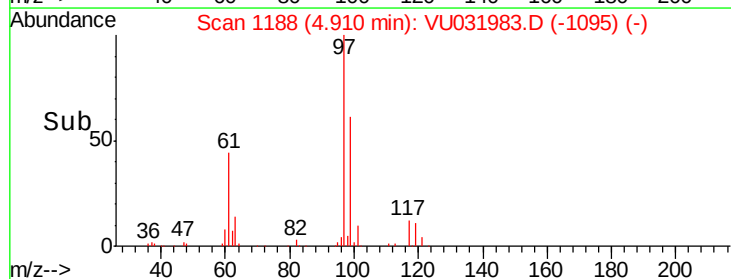
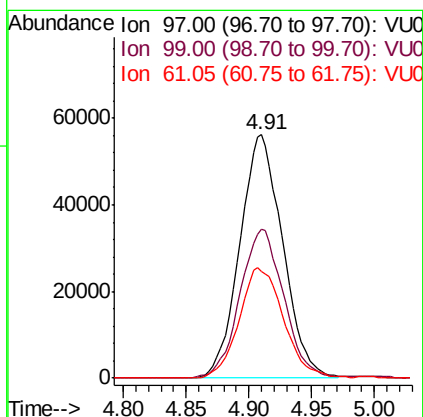
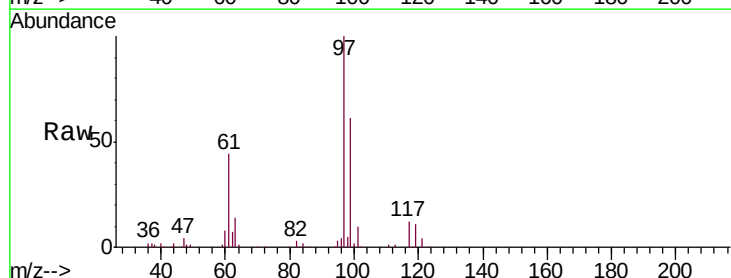
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

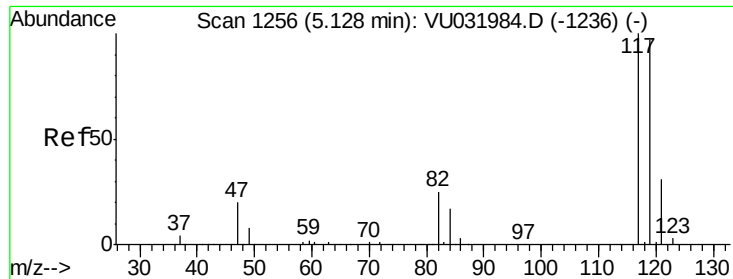
Tgt Ion: 56 Resp: 127325
Ion Ratio Lower Upper
56 100
69 30.0 24.8 37.2
84 84.0 65.5 98.3



#30
1,1,1-Trichloroethane
Concen: 9.250 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031983.D
Acq: 14 May 2019 10:44

Tgt Ion: 97 Resp: 133760
Ion Ratio Lower Upper
97 100
99 62.5 51.8 77.8
61 46.7 37.5 56.3





#31

Carbon tetrachloride

Concen: 9.037 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

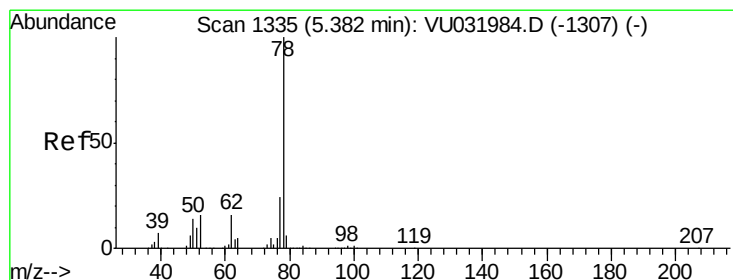
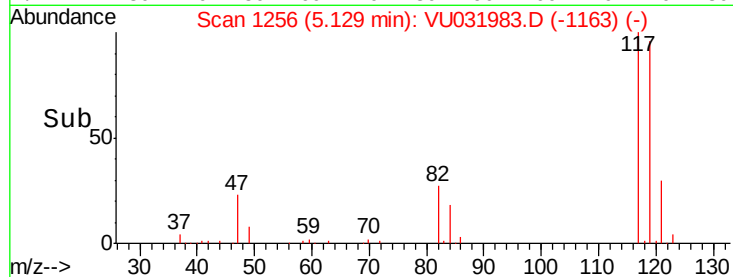
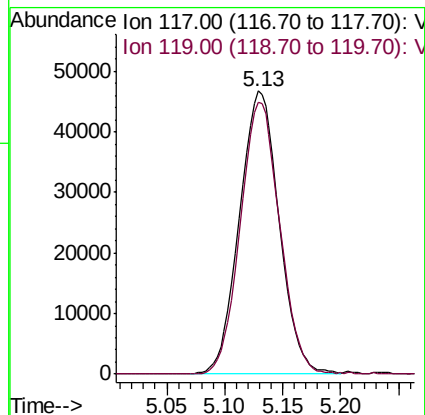
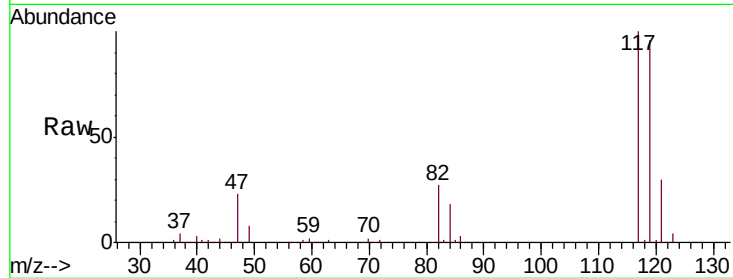
VSTD01051

Tgt Ion:117 Resp: 111243

Ion Ratio Lower Upper

117 100

119 95.2 77.2 115.8



#33

Benzene

Concen: 9.650 ug/L

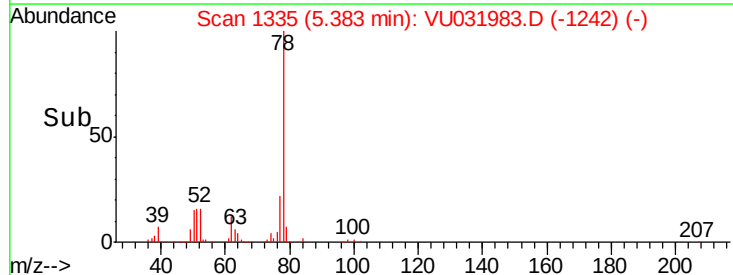
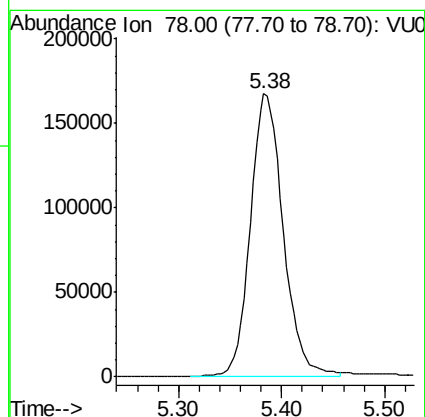
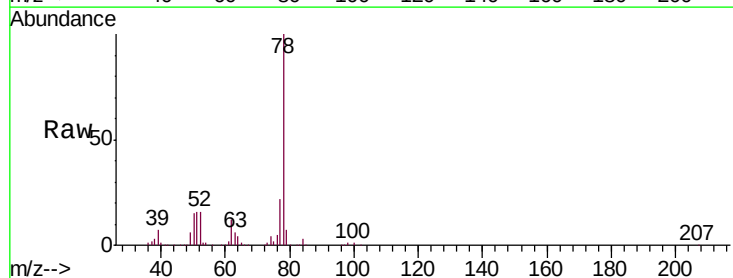
RT: 5.38 min Scan# 1335

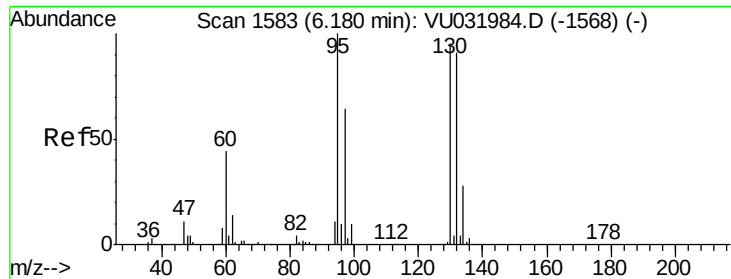
Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Tgt Ion: 78 Resp: 371528

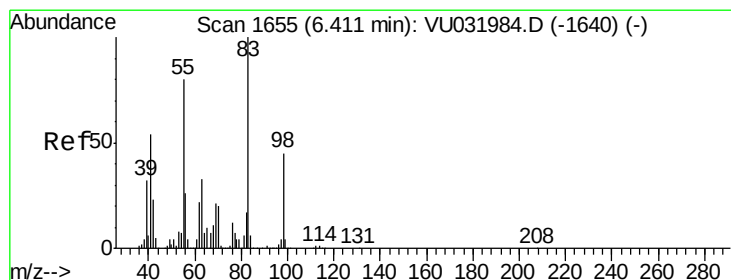
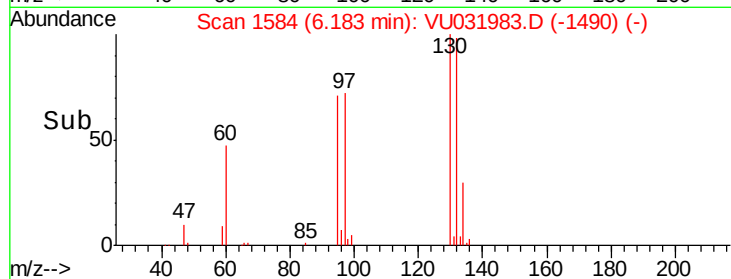
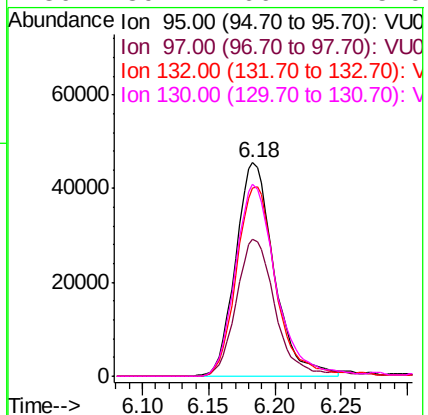
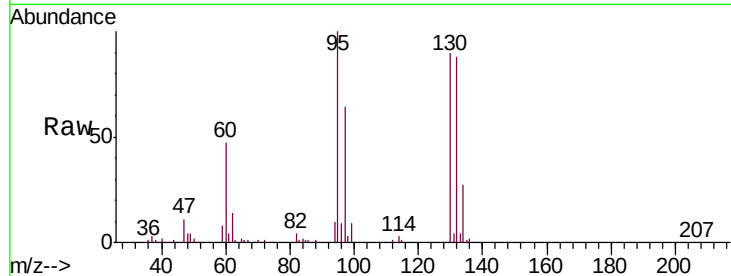




#34
 Trichloroethene
 Concen: 9.858 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

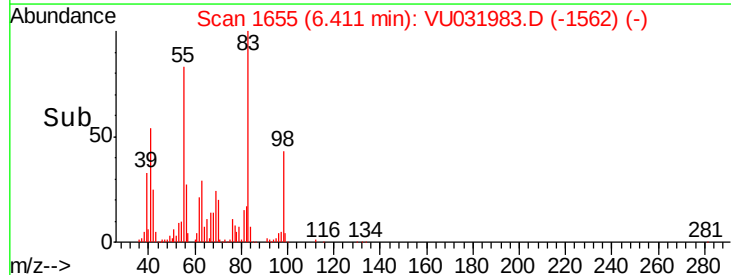
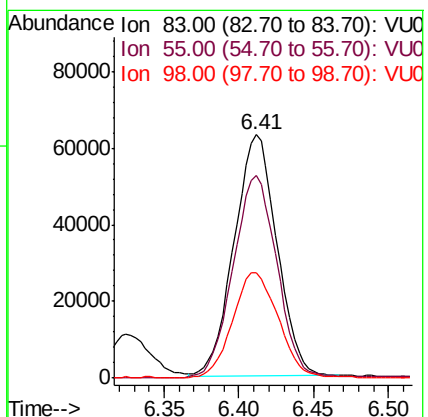
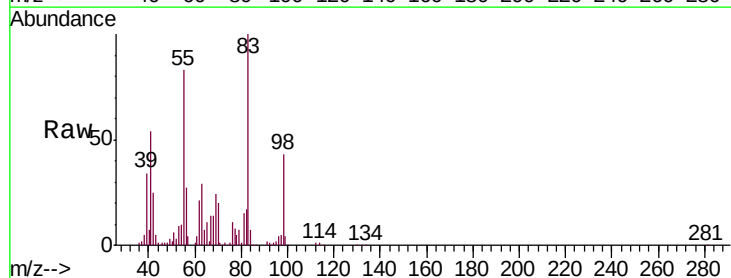
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

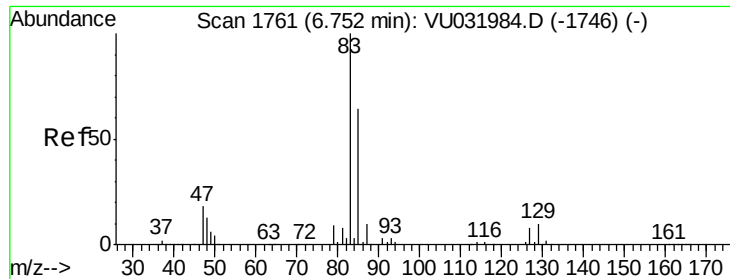
Tgt Ion:	95	Resp:	91949
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.3
132	88.1	63.5	117.9
130	89.7	66.2	123.0



#35
 Methylcyclohexane
 Concen: 8.884 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Tgt Ion:	83	Resp:	125389
Ion	Ratio	Lower	Upper
83	100		
55	86.3	64.0	96.0
98	46.6	35.6	53.4

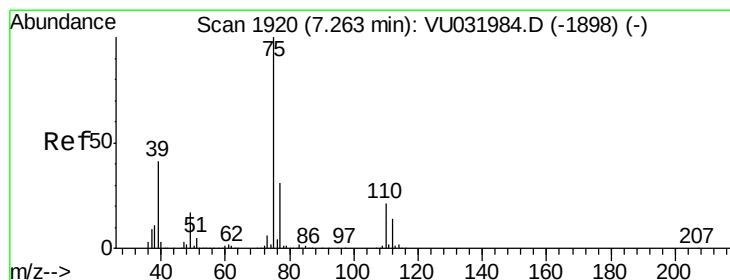
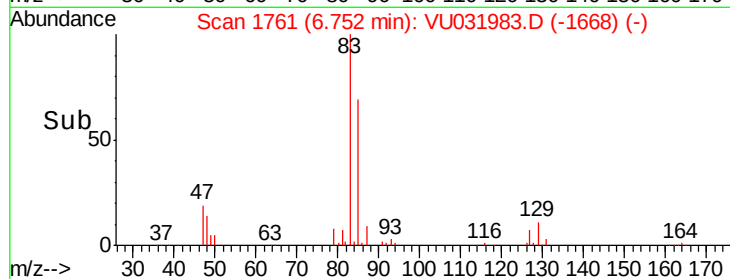
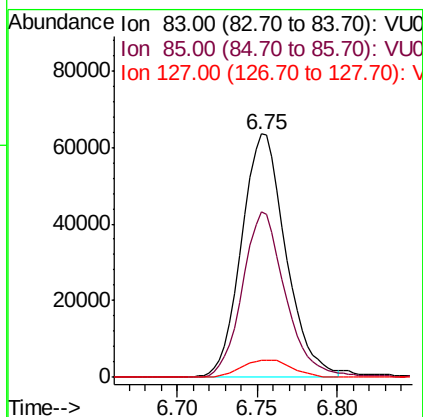
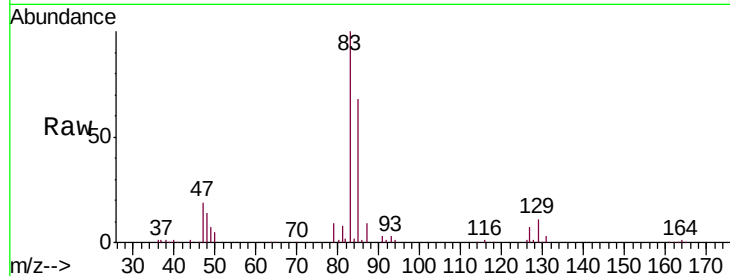




#38
 Bromodichloromethane
 Concen: 9.179 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

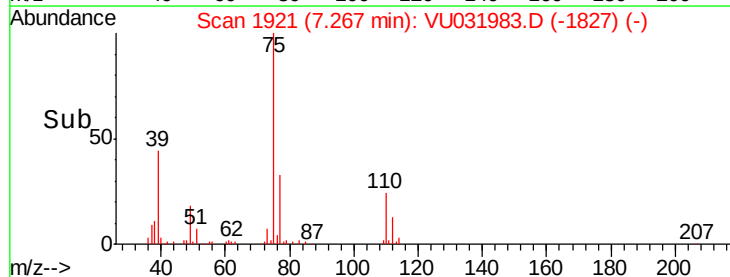
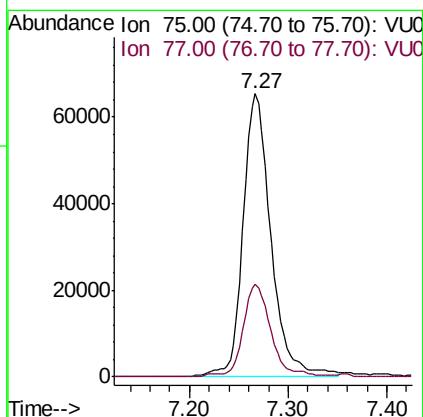
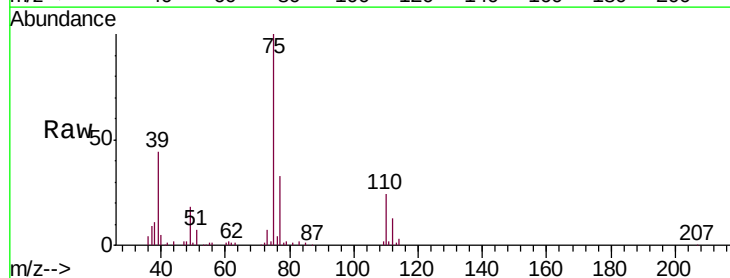
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

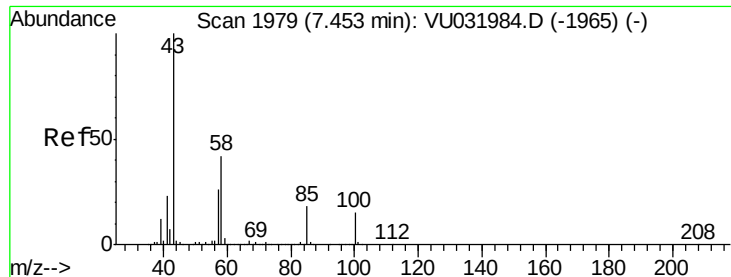
Tgt Ion: 83 Resp: 120194
 Ion Ratio Lower Upper
 83 100
 85 67.9 44.7 82.9
 127 6.8 6.5 9.7



#39
 cis-1,3-Dichloropropene
 Concen: 8.791 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Tgt Ion: 75 Resp: 128295
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.8 40.6

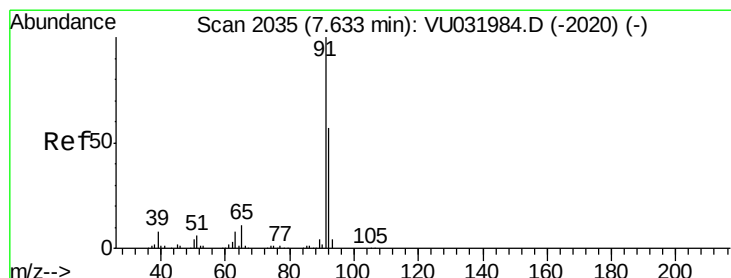
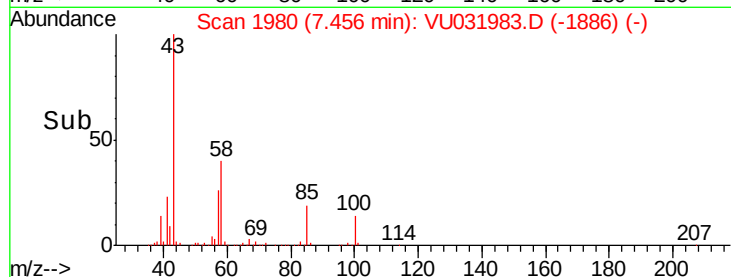
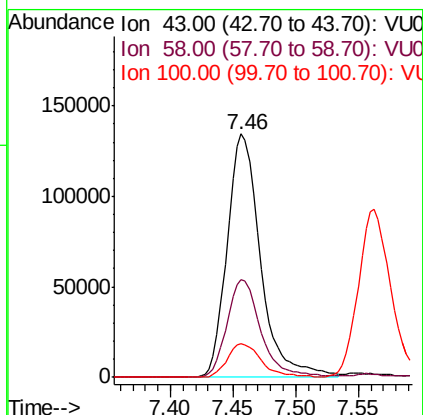
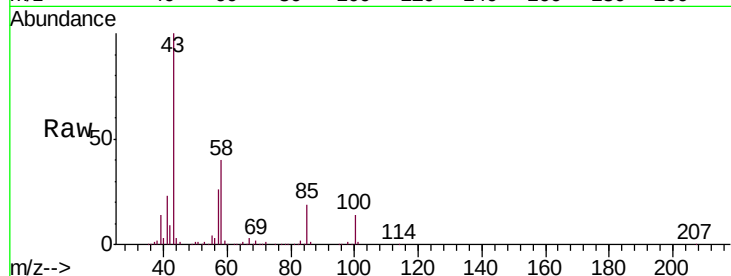




#40
 4-Methyl-2-pentanone
 Concen: 15.179 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

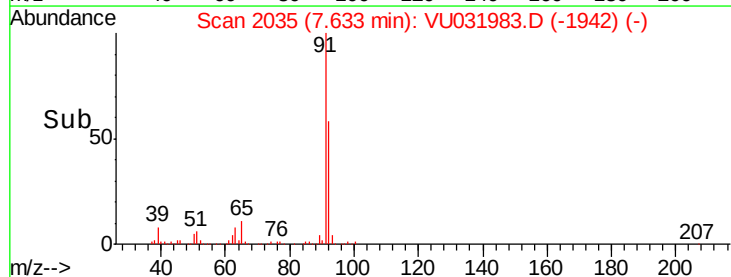
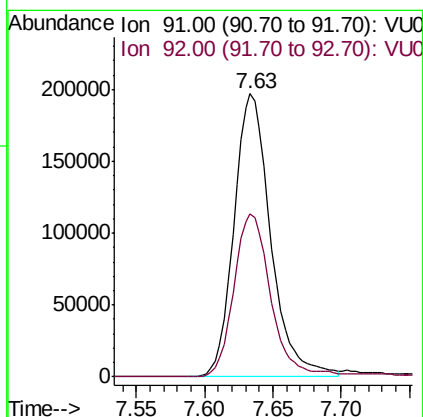
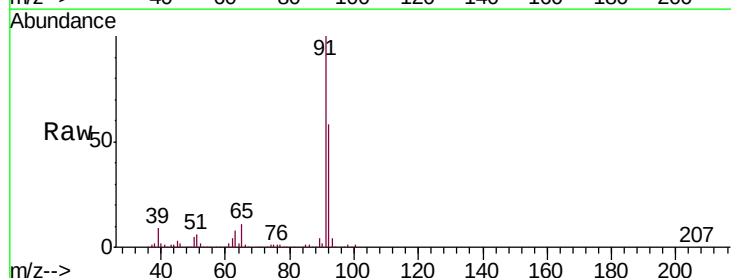
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

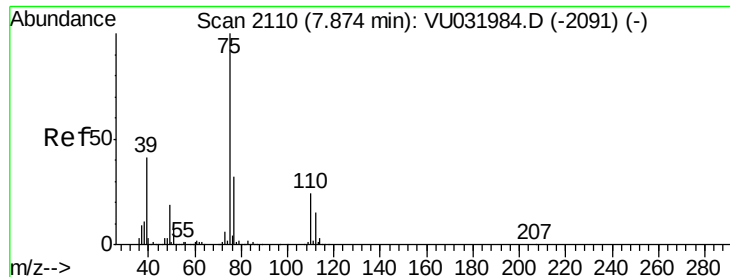
Tgt Ion: 43 Resp: 248524
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.6 50.4
 100 14.3 11.8 17.8



#42
 Toluene
 Concen: 9.519 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Tgt Ion: 91 Resp: 367522
 Ion Ratio Lower Upper
 91 100
 92 57.8 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 8.663 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

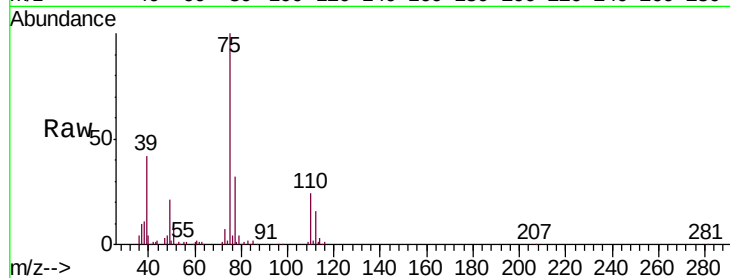
VSTD01051

Tgt Ion: 75 Resp: 113288

Ion Ratio Lower Upper

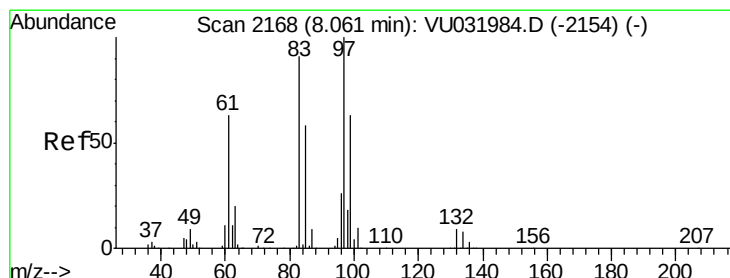
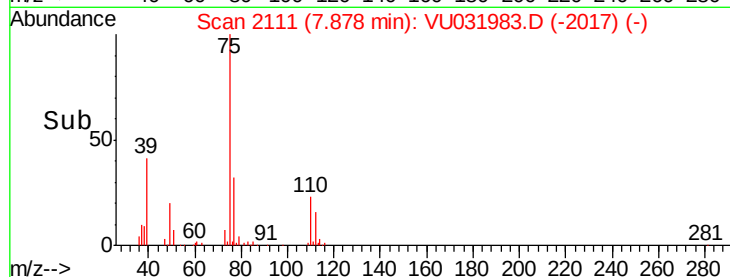
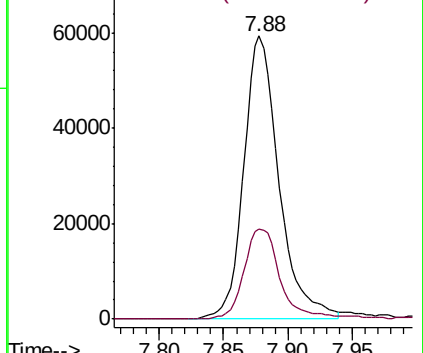
75 100

77 31.9 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU031983.D (-2091) (-)

Ion 77.00 (76.70 to 77.70): VU031983.D (-2091) (-)



#45

1,1,2-Trichloroethane

Concen: 10.294 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Tgt Ion: 97 Resp: 92964

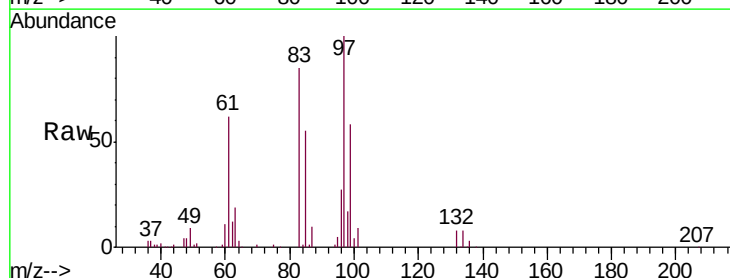
Ion Ratio Lower Upper

97 100

99 58.2 44.4 82.4

83 84.6 63.8 118.4

85 55.0 40.7 75.5

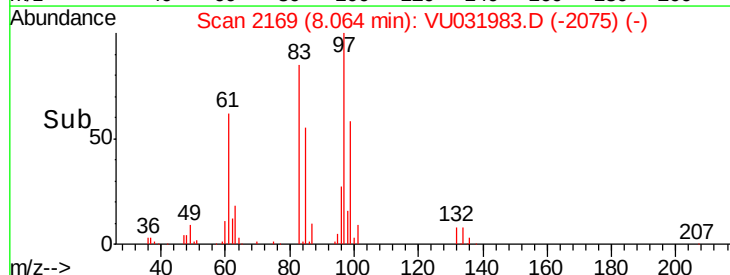
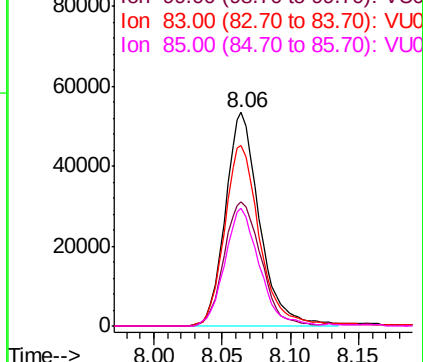


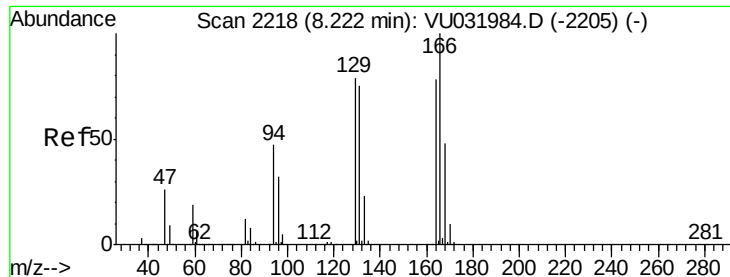
Abundance Ion 97.00 (96.70 to 97.70): VU031983.D (-2075) (-)

Ion 99.00 (98.70 to 99.70): VU031983.D (-2075) (-)

Ion 83.00 (82.70 to 83.70): VU031983.D (-2075) (-)

Ion 85.00 (84.70 to 85.70): VU031983.D (-2075) (-)





#46

Tetrachloroethene

Concen: 9.993 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tgt Ion:164 Resp: 64318

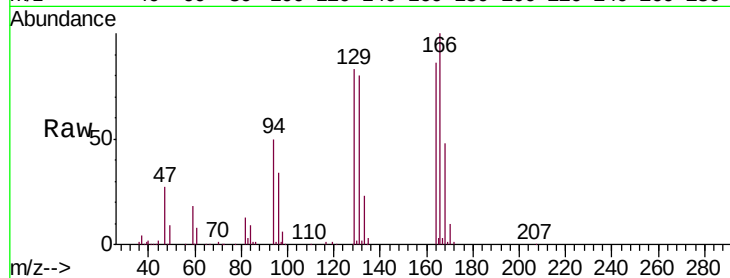
Ion Ratio Lower Upper

164 100

129 96.6 70.9 131.7

131 92.3 67.4 125.2

166 116.0 90.2 167.4

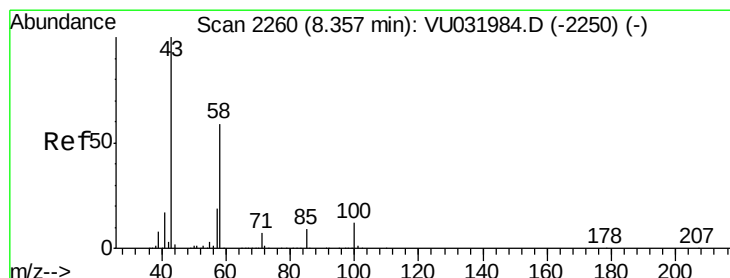
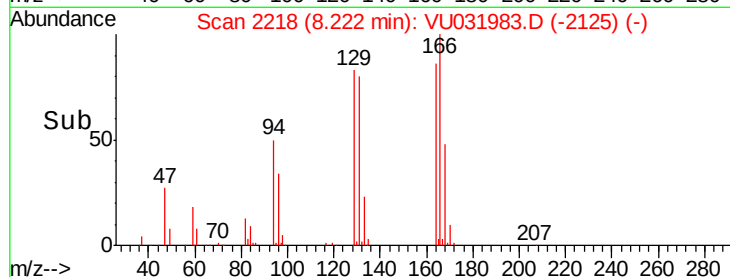
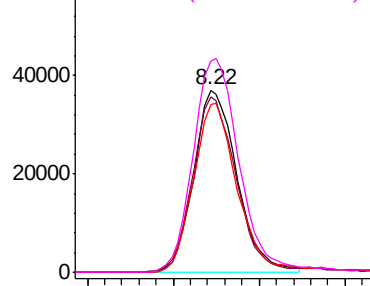


Abundance Ion 164.00 (163.70 to 164.70): V

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: 15.813 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Tgt Ion: 43 Resp: 208431

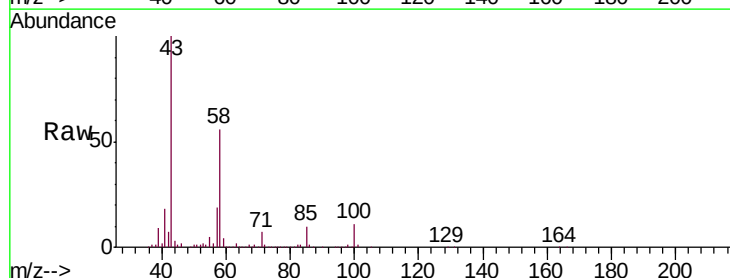
Ion Ratio Lower Upper

43 100

58 53.9 47.8 71.6

57 18.7 16.0 24.0

100 10.6 9.6 14.4

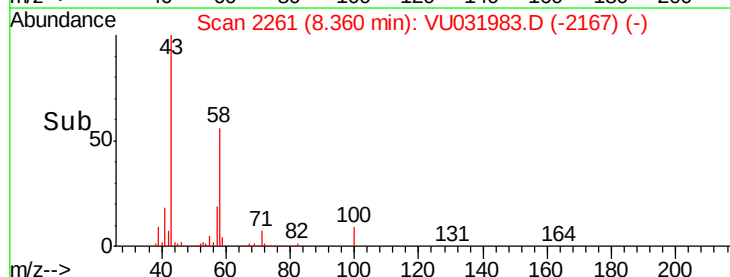
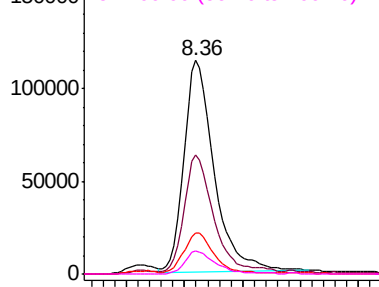


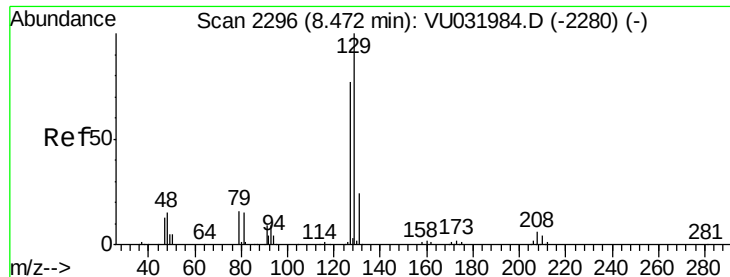
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 9.552 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

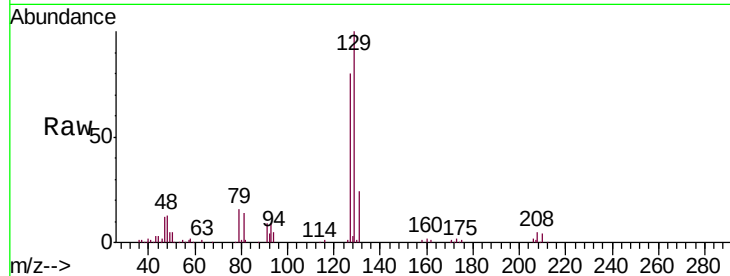
VSTD01051

Tgt Ion:129 Resp: 89242

Ion Ratio Lower Upper

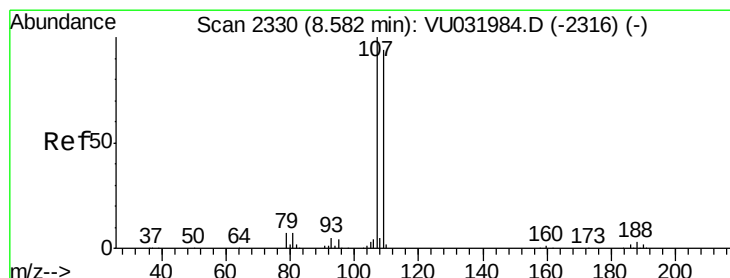
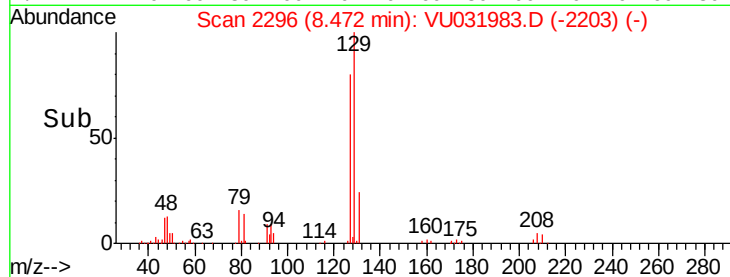
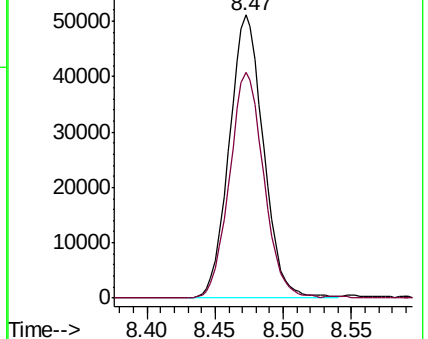
129 100

127 79.9 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 9.836 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

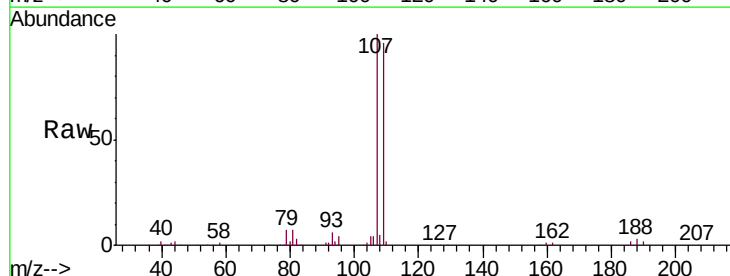
Tgt Ion:107 Resp: 94313

Ion Ratio Lower Upper

107 100

109 95.8 66.0 122.6

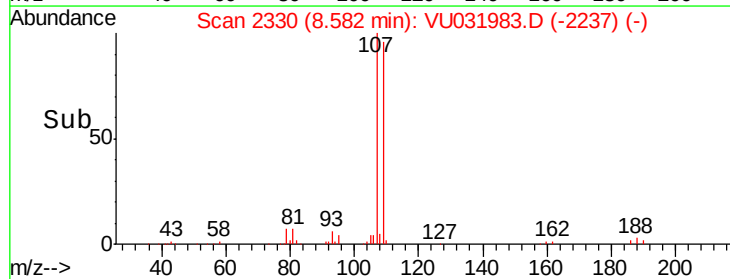
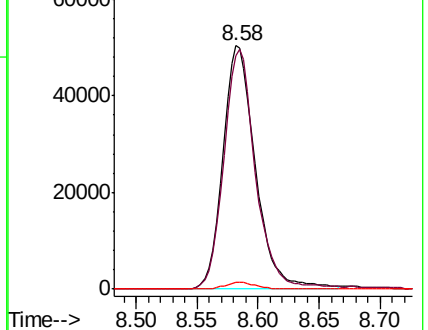
188 2.8 2.7 4.1

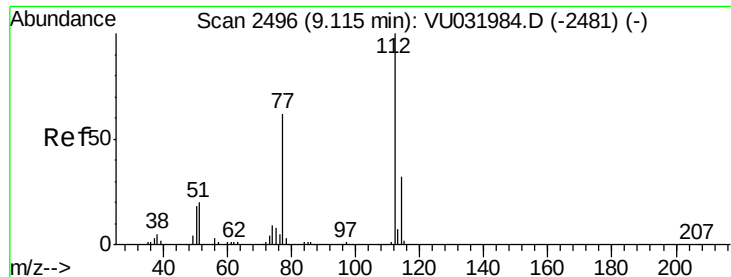


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

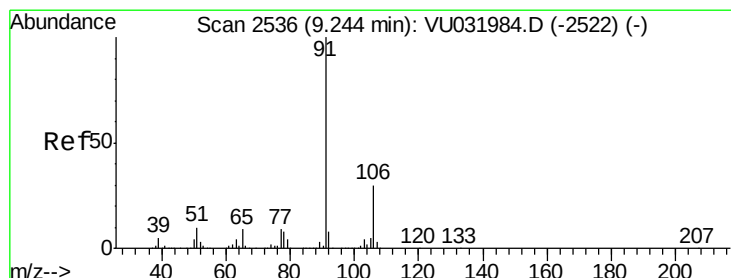
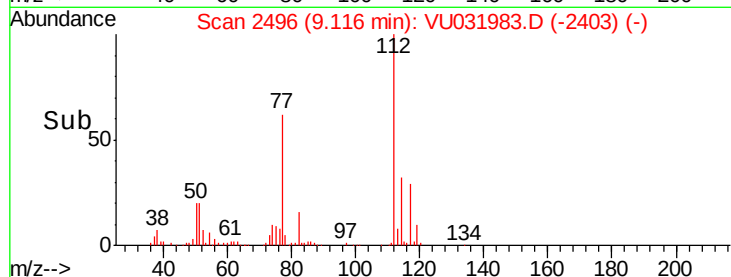
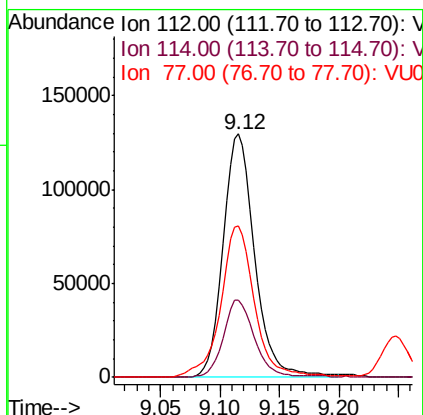
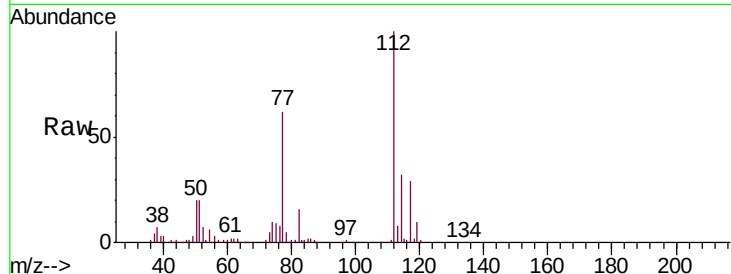




#51
Chlorobenzene
Concen: 10.387 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031983.D
Acq: 14 May 2019 10:44

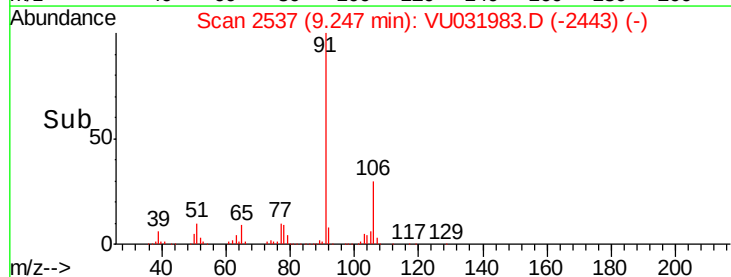
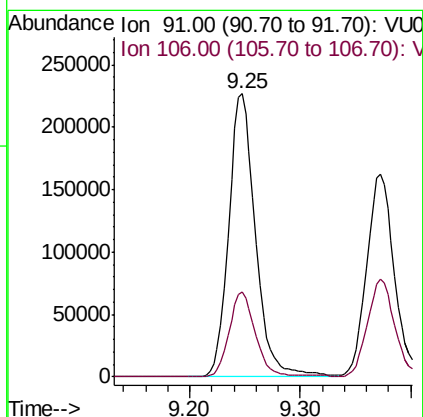
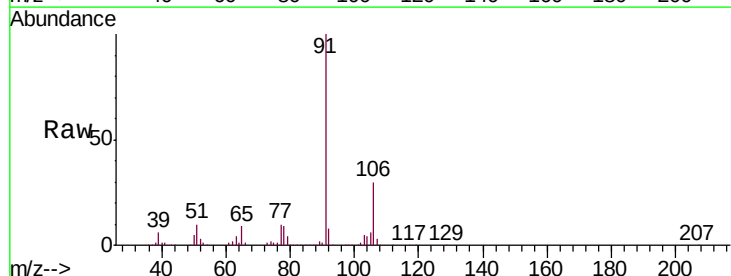
Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

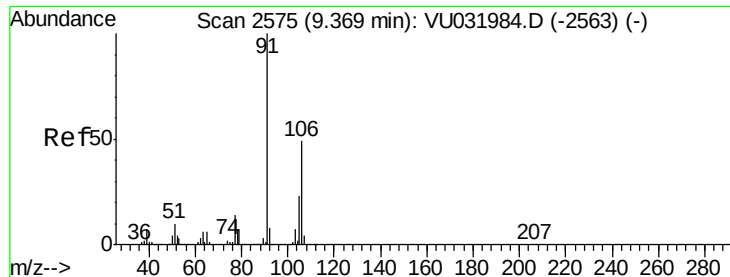
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.1	41.1
77	62.0	49.5	74.3



#52
Ethylbenzene
Concen: 9.527 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU031983.D
Acq: 14 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	21.3	39.5





#53

m,p-Xylene

Concen: 9.389 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

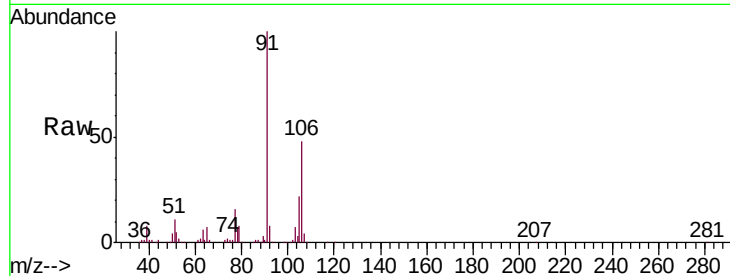
VSTD01051

Tgt Ion:106 Resp: 134010

Ion Ratio Lower Upper

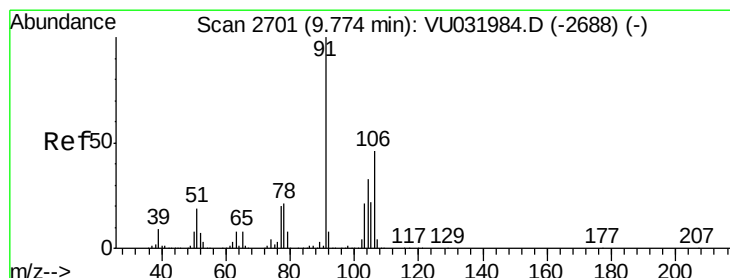
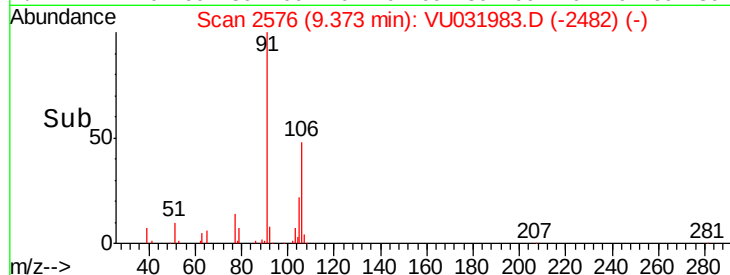
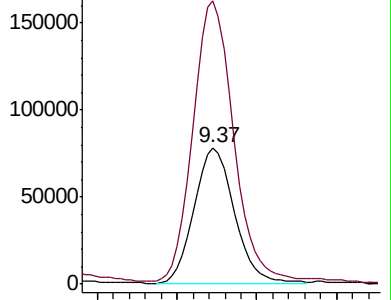
106 100

91 207.1 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 9.520 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031983.D

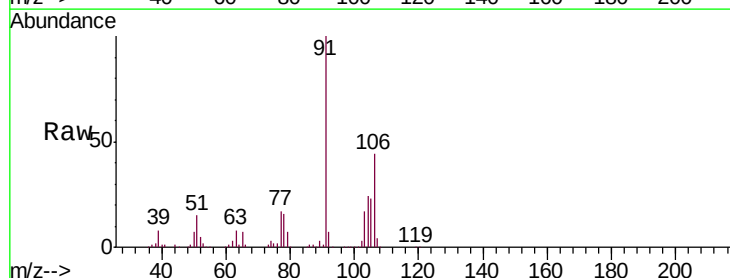
Acq: 14 May 2019 10:44

Tgt Ion:106 Resp: 133570

Ion Ratio Lower Upper

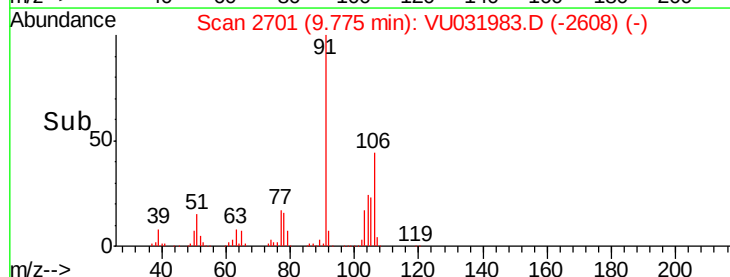
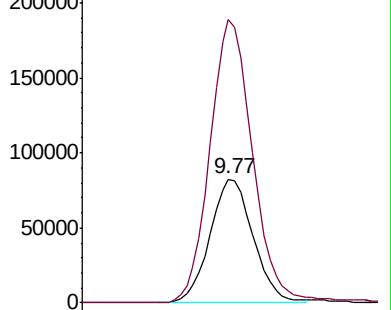
106 100

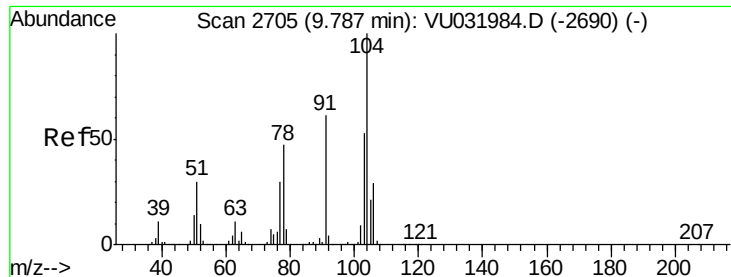
91 228.2 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 9.627 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

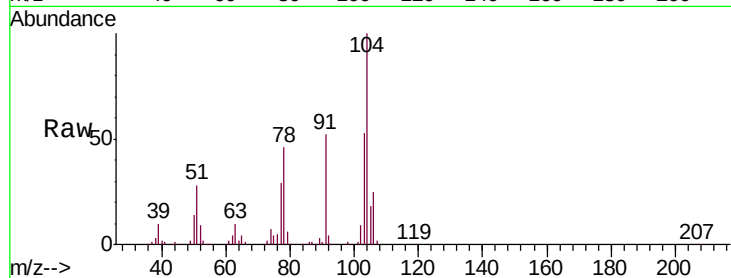
VSTD01051

Tgt Ion:104 Resp: 230078

Ion Ratio Lower Upper

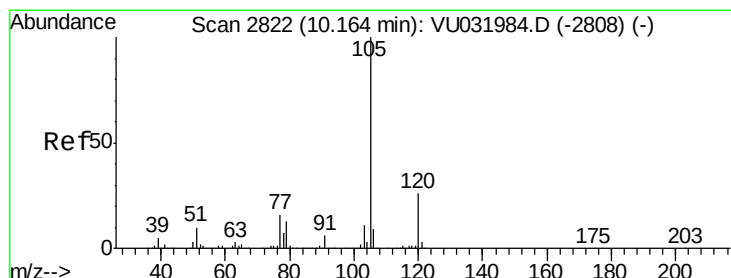
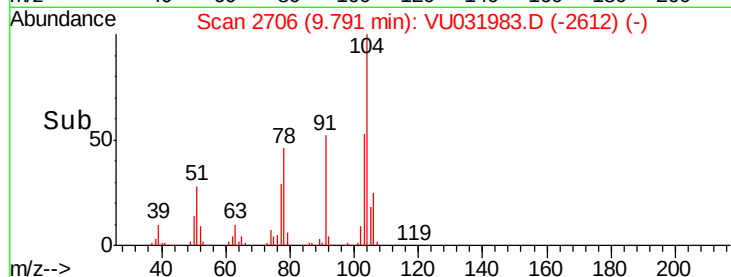
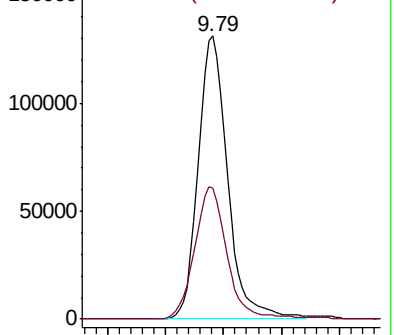
104 100

78 46.2 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 9.333 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

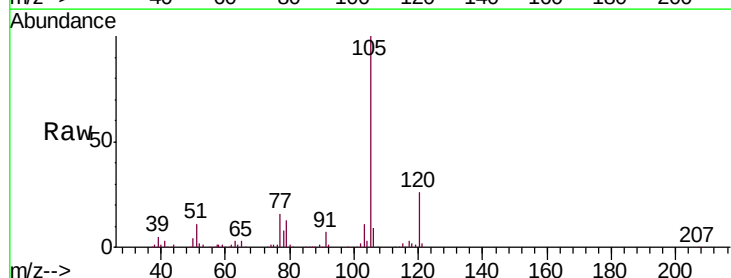
Tgt Ion:105 Resp: 341790

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

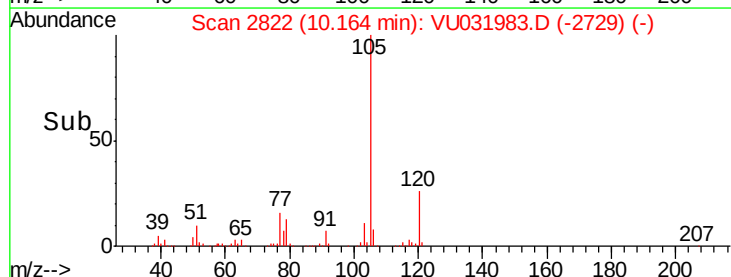
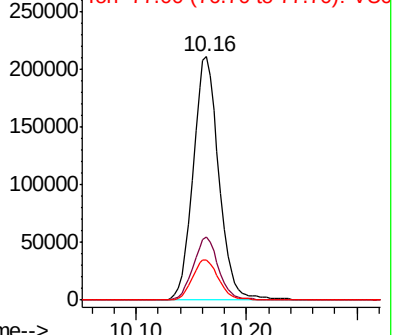
77 17.0 13.0 19.4

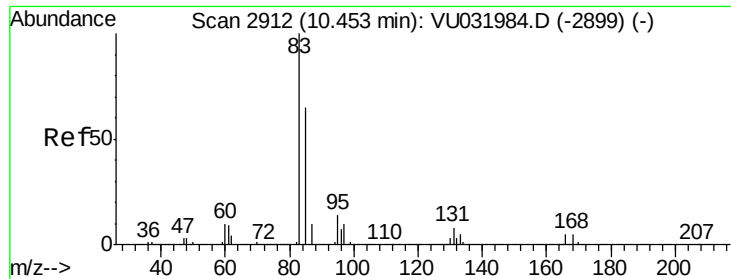


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

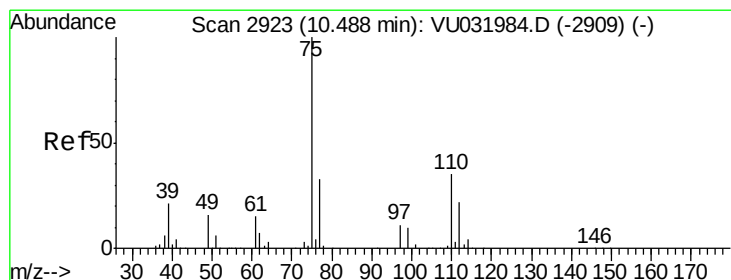
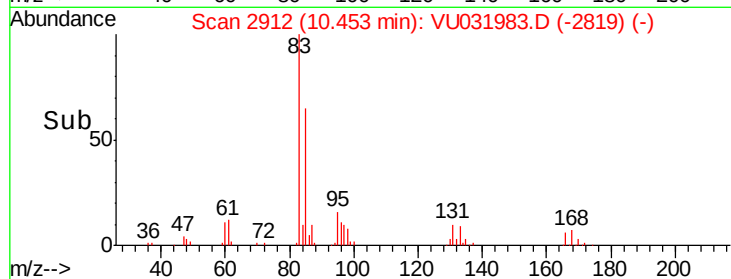
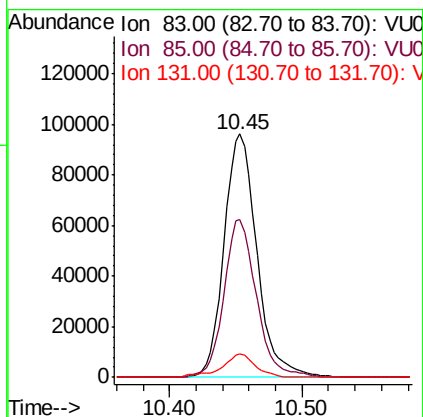
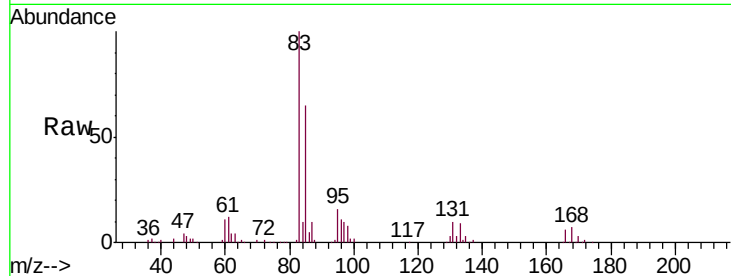




#58
 1,1,2,2-Tetrachloroethane
 Concen: 10.251 ug/L
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

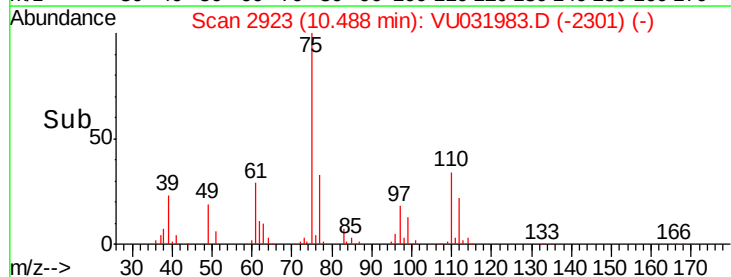
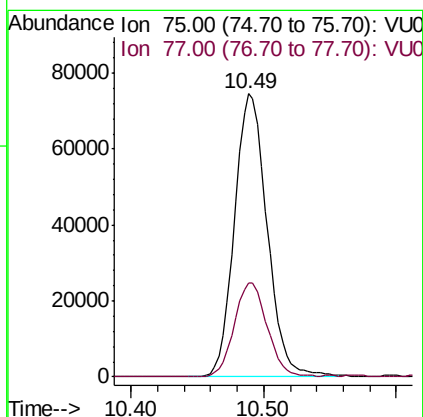
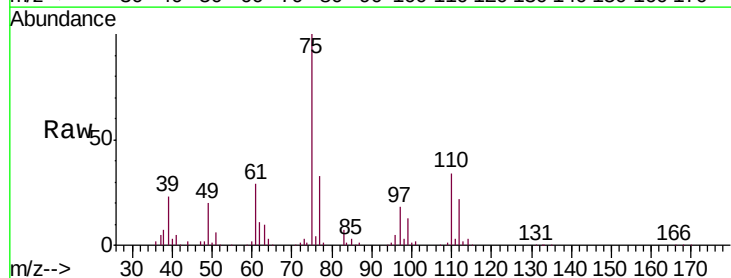
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

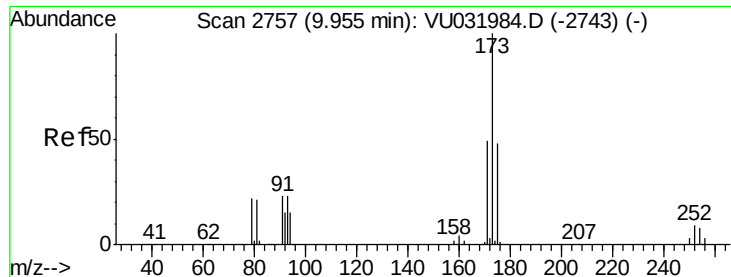
Tgt Ion: 83 Resp: 165298
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.8 85.2
 131 9.6 7.0 10.4



#59
 1,2,3-Trichloropropane
 Concen: 9.802 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Tgt Ion: 75 Resp: 127669
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.7 38.5





#61

Bromoform

Concen: 10.253 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

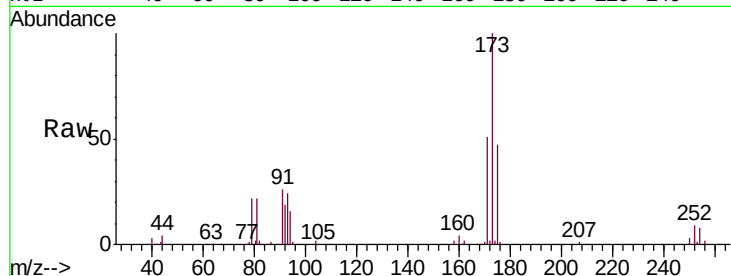
Tgt Ion:173 Resp: 65403

Ion Ratio Lower Upper

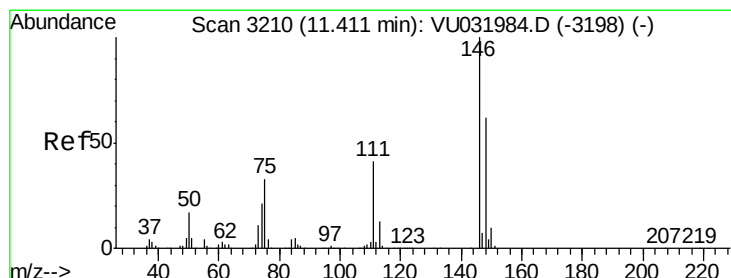
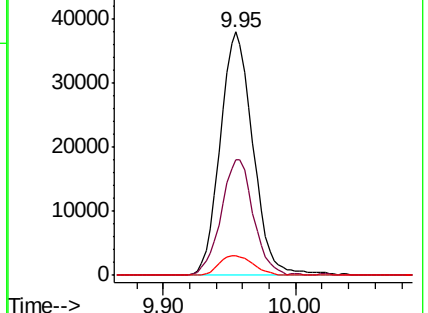
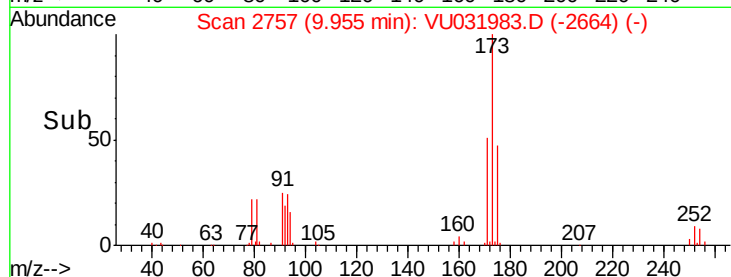
173 100

175 46.5 38.4 57.6

254 8.4 6.6 9.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 10.368 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

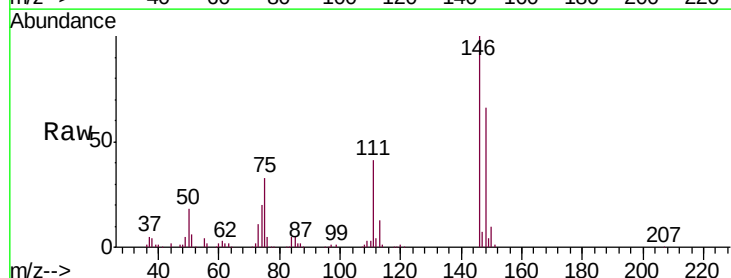
Tgt Ion:146 Resp: 150572

Ion Ratio Lower Upper

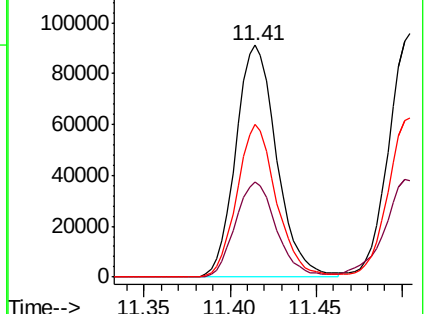
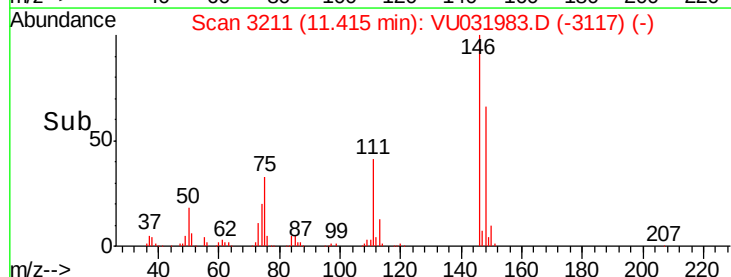
146 100

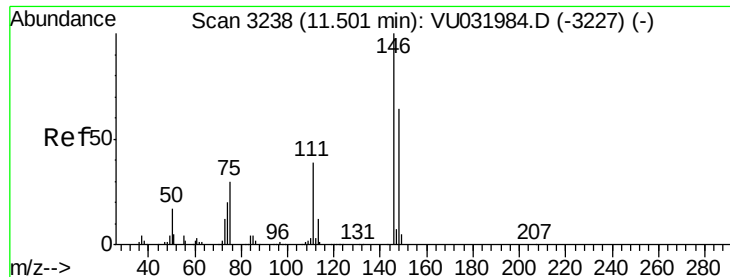
111 40.8 29.0 53.9

148 65.7 43.3 80.3



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: 10.657 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

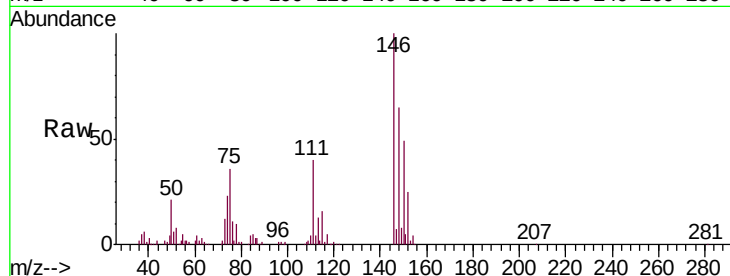
Tgt Ion:146 Resp: 160806

Ion Ratio Lower Upper

146 100

111 39.7 27.9 51.7

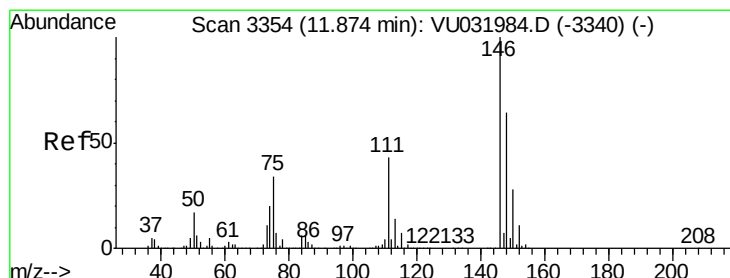
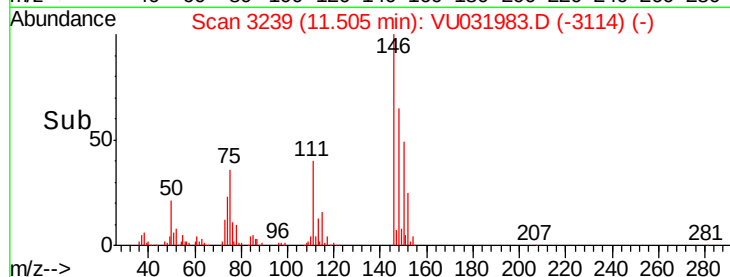
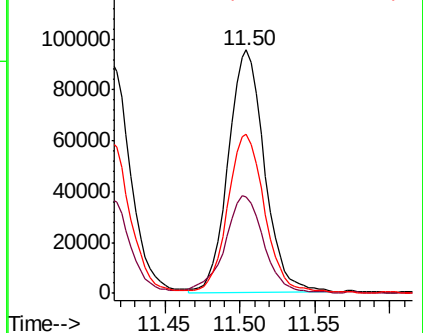
148 65.1 44.7 83.1



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



#65

1,2-Dichlorobenzene

Concen: 10.745 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031983.D

Acq: 14 May 2019 10:44

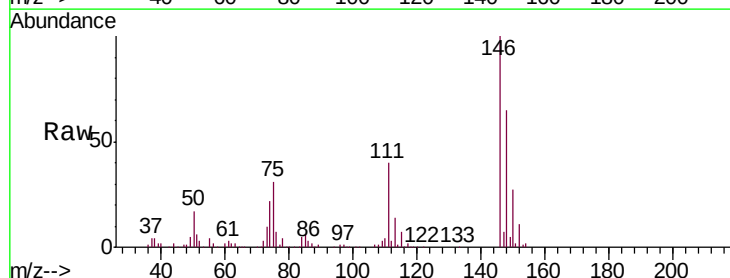
Tgt Ion:146 Resp: 165797

Ion Ratio Lower Upper

146 100

111 40.1 34.8 52.2

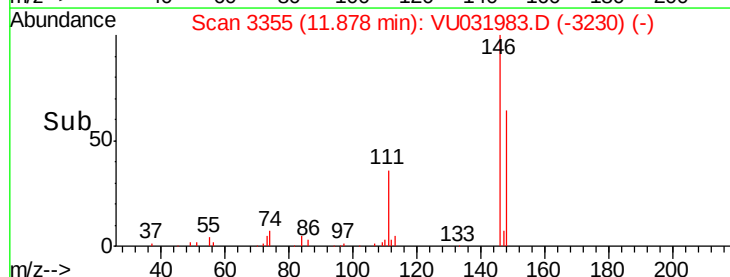
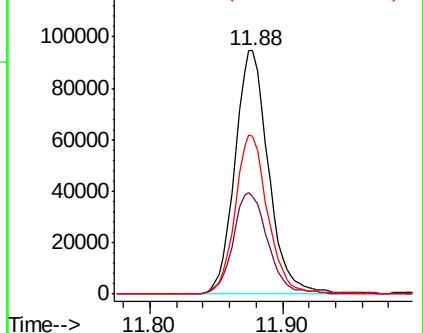
148 64.9 51.4 77.0

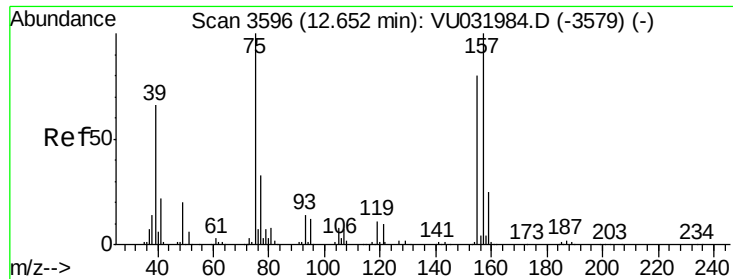


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

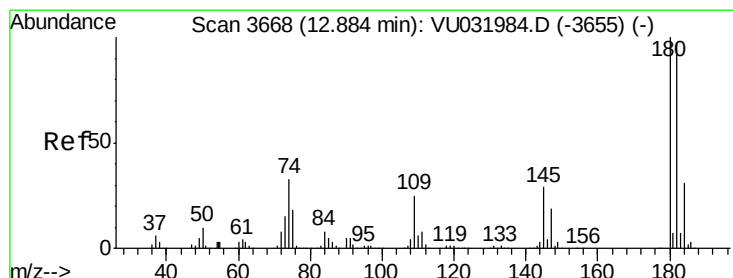
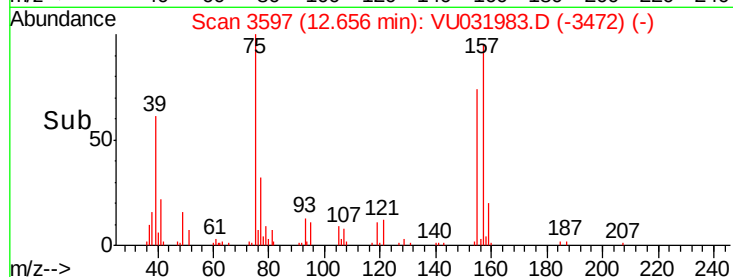
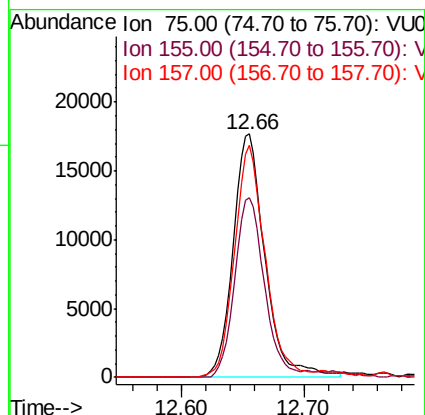
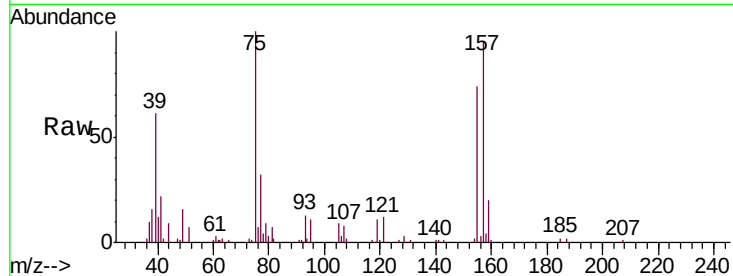




#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.309 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

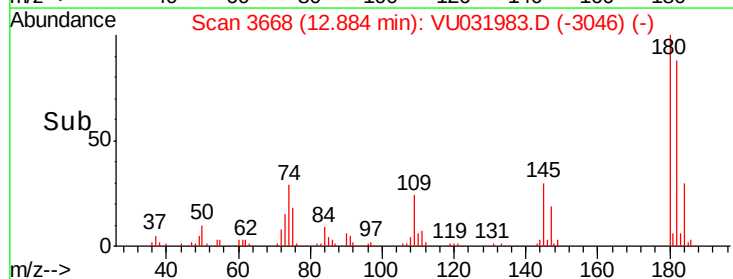
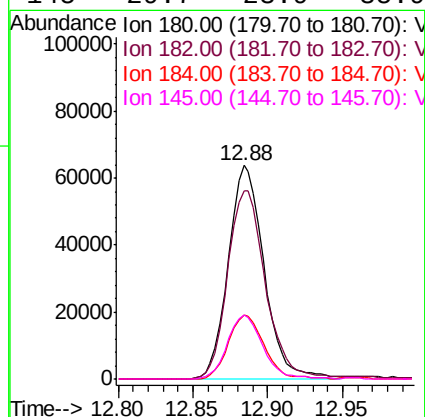
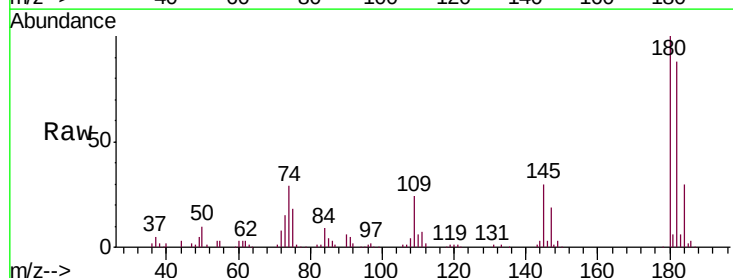
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

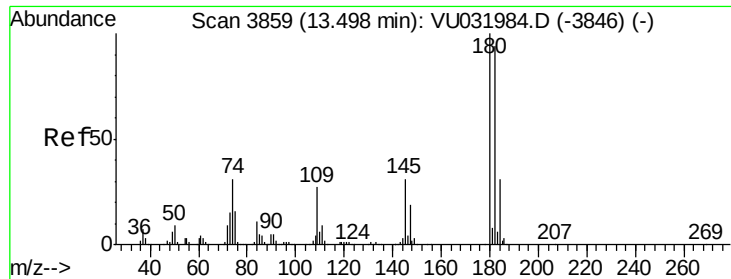
Tgt Ion: 75 Resp: 32103
 Ion Ratio Lower Upper
 75 100
 155 74.0 63.8 95.8
 157 95.3 80.2 120.2



#67
 1,3,5-Trichlorobenzene
 Concen: 9.819 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Tgt Ion: 180 Resp: 106599
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.4 114.6
 184 29.9 24.7 37.1
 145 29.7 23.9 35.9

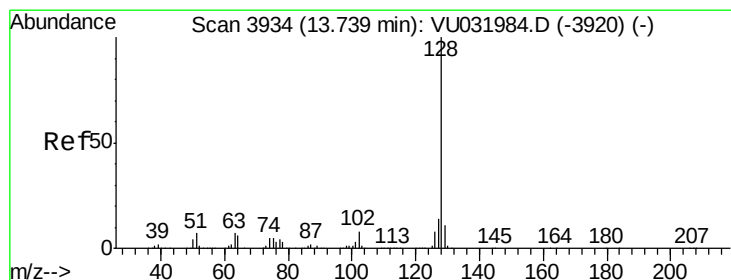
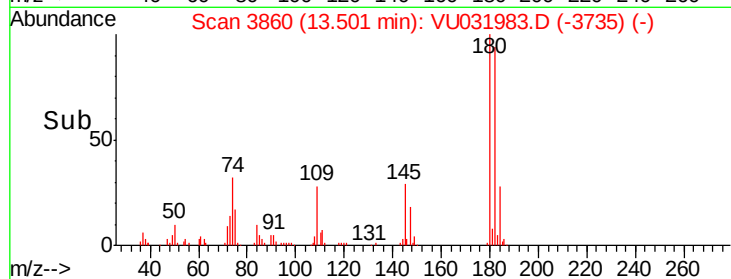
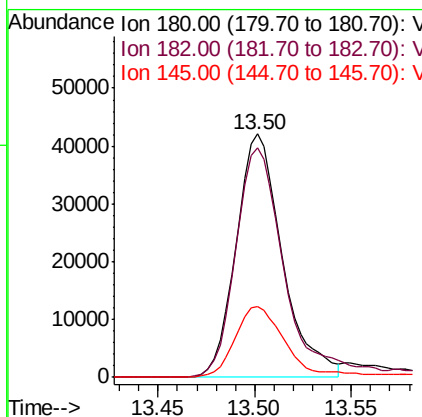
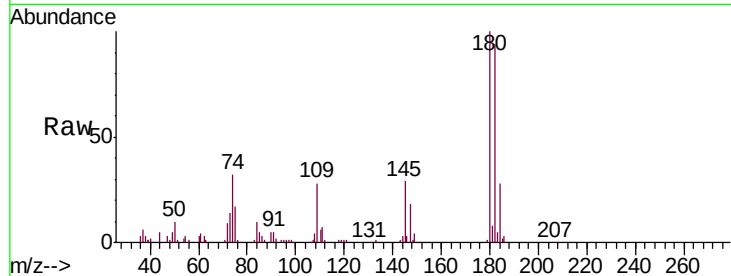




#68
 1,2,4-trichlorobenzene
 Concen: 8.182 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

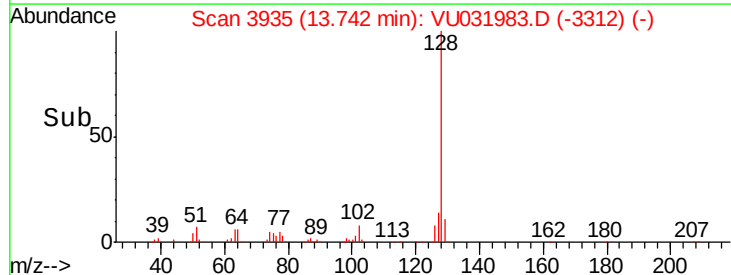
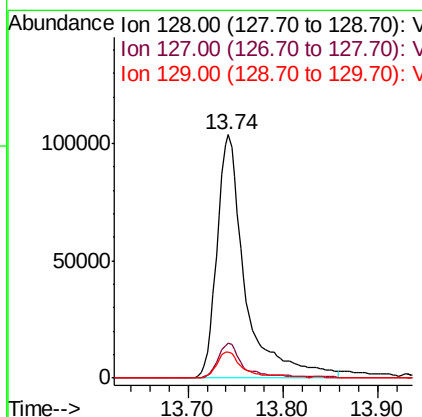
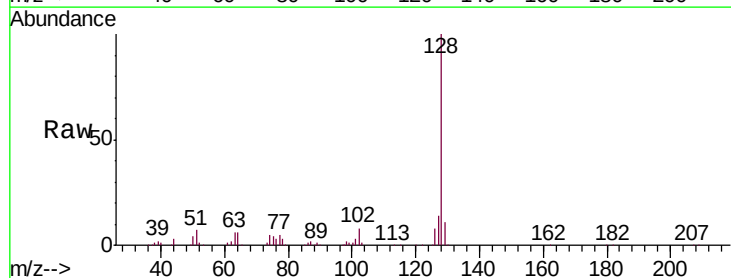
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD01051

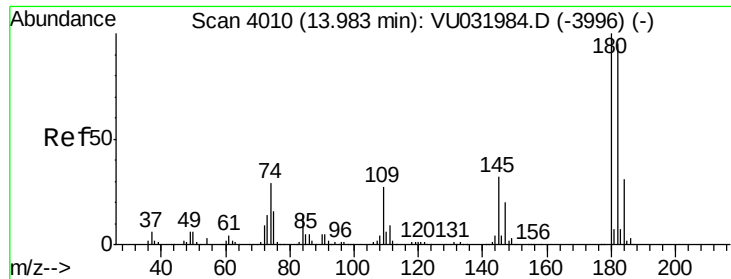
Tgt Ion:180 Resp: 70065
 Ion Ratio Lower Upper
 180 100
 182 100.0 76.1 114.1
 145 30.3 24.0 36.0



#69
 Naphthalene
 Concen: 7.371 ug/L
 RT: 13.74 min Scan# 3935
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Tgt Ion:128 Resp: 216098
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.6 16.0
 129 9.6 8.6 13.0





#70
 1,2,3-Trichlorobenzene
 Concen: 8.756 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU031983.D
 Acq: 14 May 2019 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tgt Ion:180 Resp: 85276
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.8 113.6
 145 33.6 25.5 38.3

