

Data File : VU031380.D
Acq On : 20 Apr 2019 00:10
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: Apr 20 01:52:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	626340	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	576494	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	287084	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	244441	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.76%
7) Chloroethane-d5	1.68	69	203665	40.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.34%
11) 1,1-Dichloroethene-d2	2.27	63	473401	41.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.86%
21) 2-Butanone-d5	4.19	46	377542	89.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.87%
24) Chloroform-d	4.64	84	377304	39.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.40%
26) 1,2-Dichloroethane-d4	5.31	65	224722	37.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.84%
32) Benzene-d6	5.34	84	790601	43.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.76%
36) 1,2-Dichloropropane-d6	6.32	67	258936	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.56%
41) Toluene-d8	7.56	98	710133	44.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.56%
43) trans-1,3-Dichloropropene-	7.85	79	116970	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.74%
47) 2-Hexanone-d5	8.31	63	296730	106.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	373959	45.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	285075	43.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	220700	38.176	ug/L	96
3) Chloromethane	1.32	50	322712	46.863	ug/L	98
5) Vinyl chloride	1.40	62	342444	49.963	ug/L	95
6) Bromomethane	1.63	94	201946	44.844	ug/L	100
8) Chloroethane	1.70	64	194861	44.220	ug/L	99
9) Trichlorofluoromethane	1.88	101	418253	43.834	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	232718	46.627	ug/L	96
12) 1,1-Dichloroethene	2.28	96	244970	50.042	ug/L	87
13) Acetone	2.34	43	294778	91.178	ug/L	97
14) Carbon disulfide	2.47	76	713126	53.774	ug/L	100
15) Methyl Acetate	2.62	43	338492	60.178	ug/L	99
16) Methylene chloride	2.70	84	265995	55.684	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	251411	56.366	ug/L	94
18) Methyl tert-butyl Ether	2.99	73	819752	58.367	ug/L	98
19) 1,1-Dichloroethane	3.44	63	475459	53.629	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	233019	44.891	ug/L	84
22) 2-Butanone	4.27	43	378653	85.463	ug/L	96

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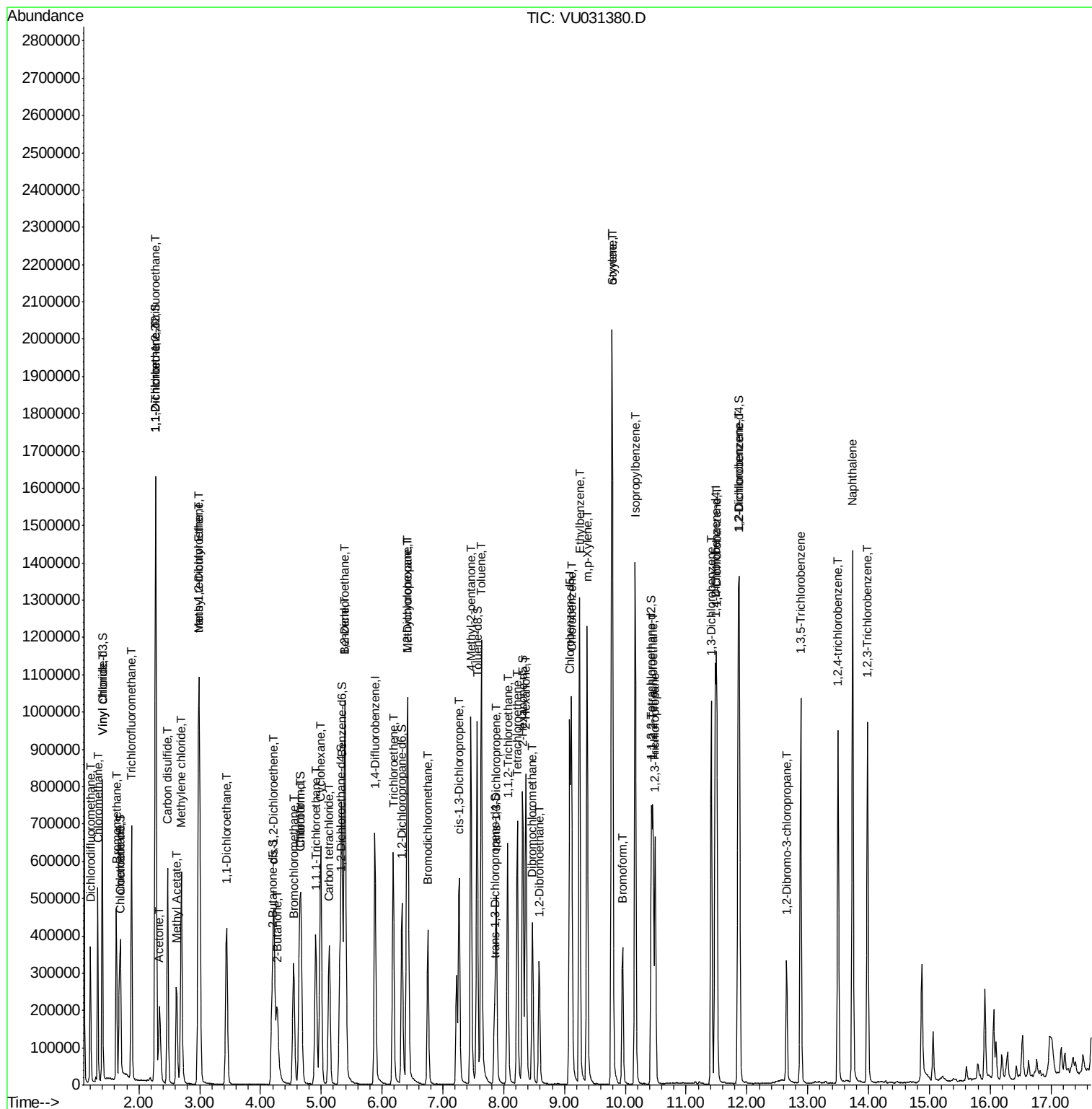
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	117390	45.649	ug/L	88
25) Chloroform	4.67	83	379645	41.750	ug/L	96
27) 1,2-Dichloroethane	5.40	62	282519	40.848	ug/L	98
29) Cyclohexane	4.99	56	371417	45.805	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	322692	42.302	ug/L	98
31) Carbon tetrachloride	5.13	117	281158	42.600	ug/L	100
33) Benzene	5.39	78	884097	45.595	ug/L	100
34) Trichloroethene	6.18	95	224925	46.361	ug/L	91
35) Methylcyclohexane	6.41	83	333617	46.189	ug/L	96
37) 1,2-Dichloropropane	6.43	63	233908	45.551	ug/L	100
38) Bromodichloromethane	6.75	83	282604	43.299	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	354378	46.052	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	698263	96.381	ug/L #	94
42) Toluene	7.63	91	951983	49.357	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	302004	45.200	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	217432	47.046	ug/L	99
46) Tetrachloroethene	8.22	164	176927	48.486	ug/L	96
48) 2-Hexanone	8.36	43	539009	93.544	ug/L	95
49) Dibromochloromethane	8.47	129	236216	47.286	ug/L	99
50) 1,2-Dibromoethane	8.58	107	236159	48.366	ug/L	98
51) Chlorobenzene	9.12	112	575135	47.711	ug/L	97
52) Ethylbenzene	9.25	91	996117	47.441	ug/L	97
53) m,p-Xylene	9.37	106	385022	51.961	ug/L	94
54) o-xylene	9.77	106	376628	50.192	ug/L	95
55) Styrene	9.79	104	642672	50.738	ug/L	96
56) Isopropylbenzene	10.16	105	970374	50.454	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	367797	46.215	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	285629	46.766	ug/L	99
61) Bromoform	9.95	173	179957	45.279	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	453036	47.750	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	455979	47.934	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	463424	46.438	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	83497	43.852	ug/L	83
67) 1,3,5-Trichlorobenzene	12.88	180	340338	47.932	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	313237	54.439	ug/L	97
69) Naphthalene	13.74	128	1210774	67.063	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	333877	53.430	ug/L	97

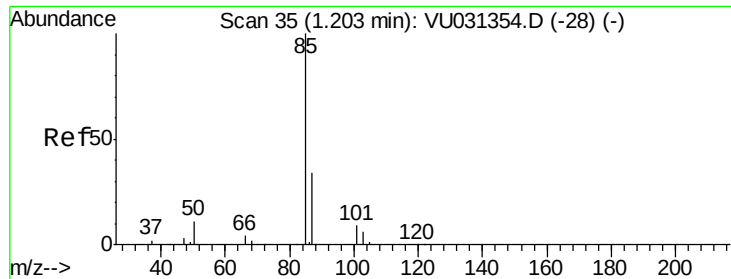
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 38.176 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

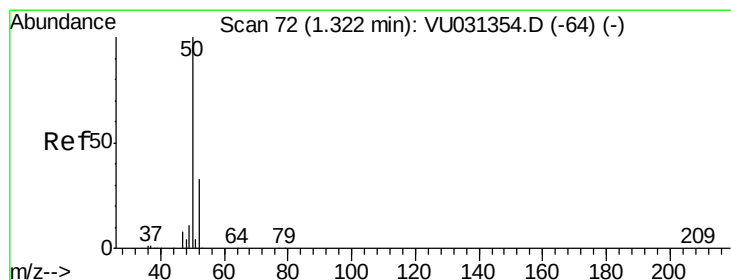
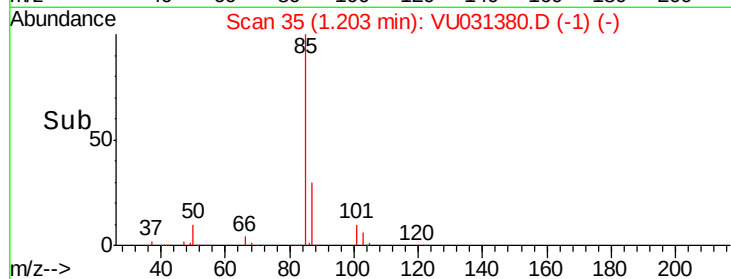
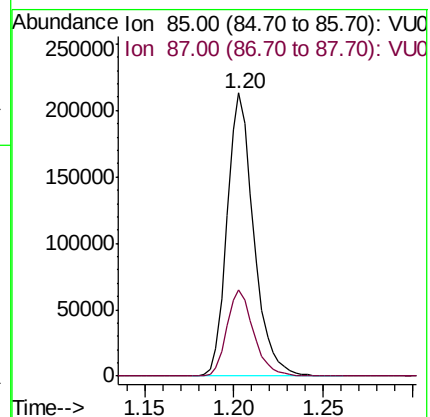
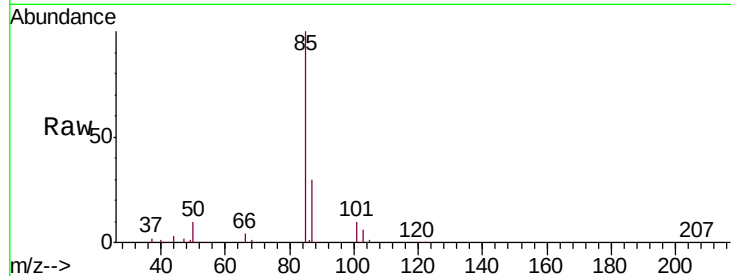
VSTD05043

Tgt Ion: 85 Resp: 220700

Ion Ratio Lower Upper

85 100

87 30.6 26.2 39.2



#3

Chloromethane

Concen: 46.863 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031380.D

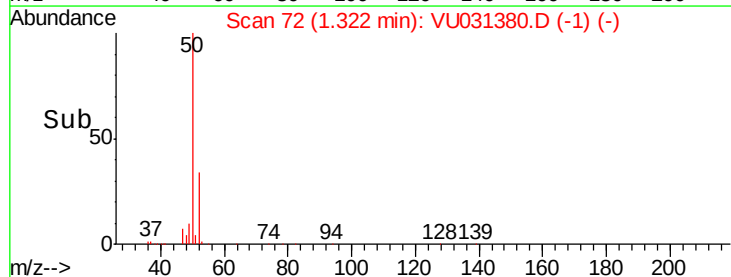
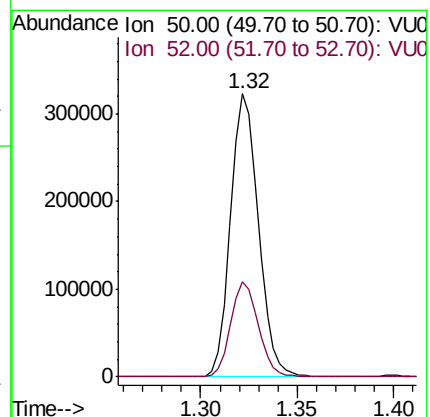
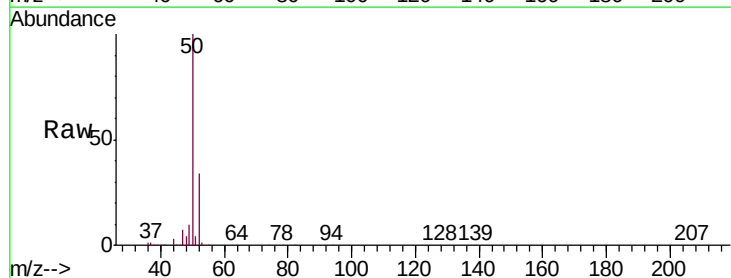
Acq: 20 Apr 2019 00:10

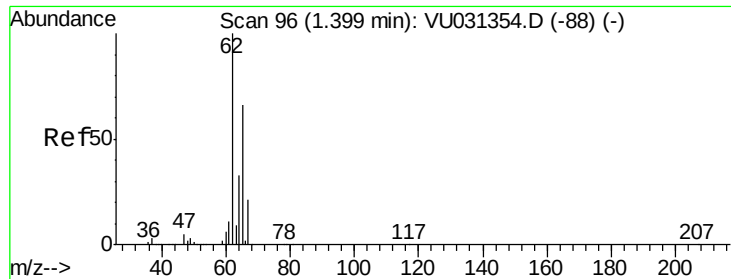
Tgt Ion: 50 Resp: 322712

Ion Ratio Lower Upper

50 100

52 33.5 22.7 42.3





#5

Vinyl chloride

Concen: 49.963 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

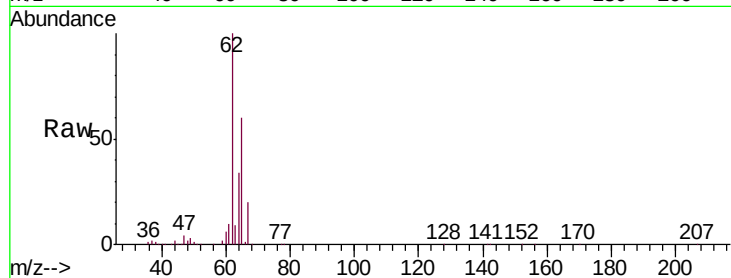
VSTD05043

Tgt Ion: 62 Resp: 342444

Ion Ratio Lower Upper

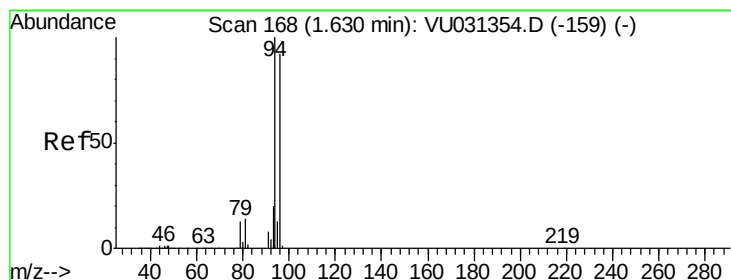
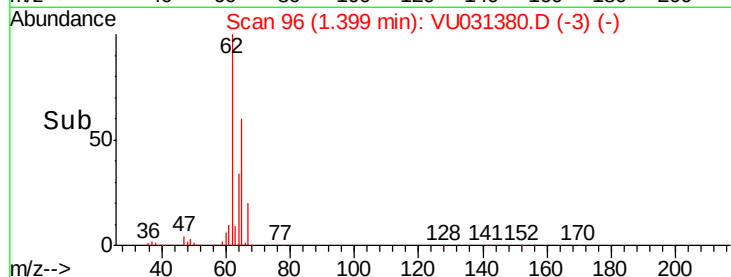
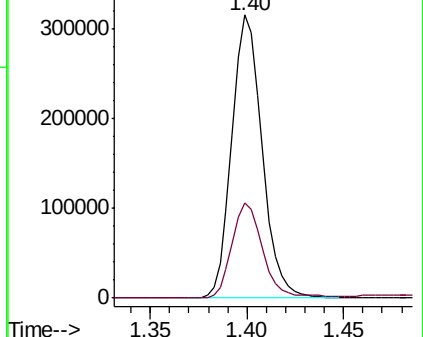
62 100

64 33.7 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VU031354.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031354.D (-88) (-)



#6

Bromomethane

Concen: 44.844 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031380.D

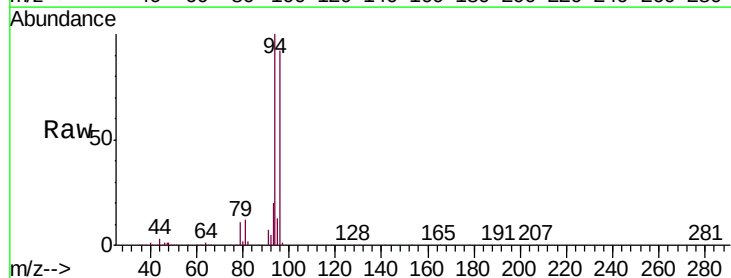
Acq: 20 Apr 2019 00:10

Tgt Ion: 94 Resp: 201946

Ion Ratio Lower Upper

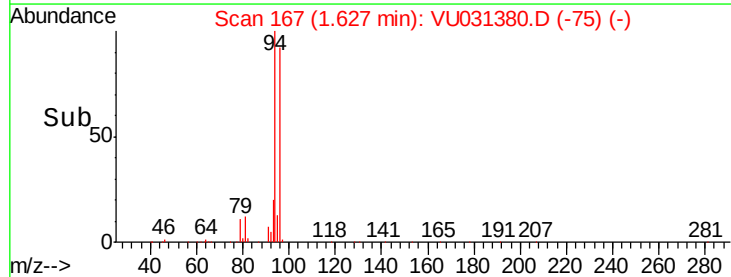
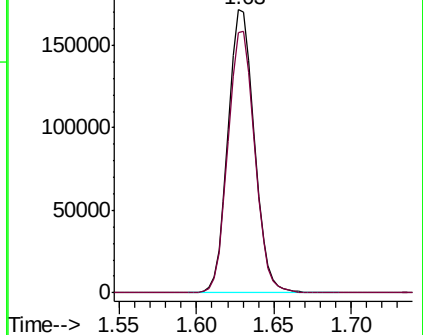
94 100

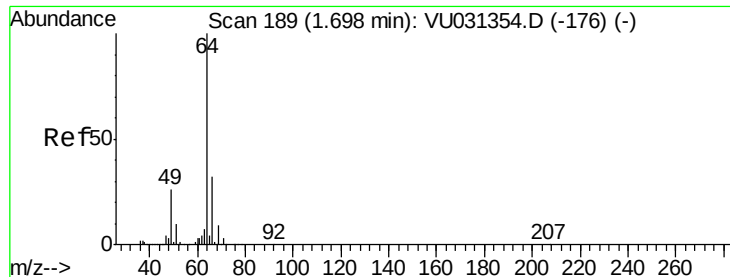
96 91.8 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU031354.D (-159) (-)

Ion 96.00 (95.70 to 96.70): VU031354.D (-159) (-)





#8

Chloroethane

Concen: 44.220 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

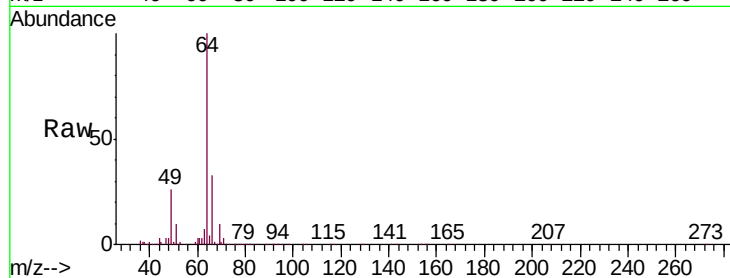
VSTD05043

Tgt Ion: 64 Resp: 194861

Ion Ratio Lower Upper

64 100

66 32.9 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU031354.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU031354.D (-176) (-)

1.70

150000

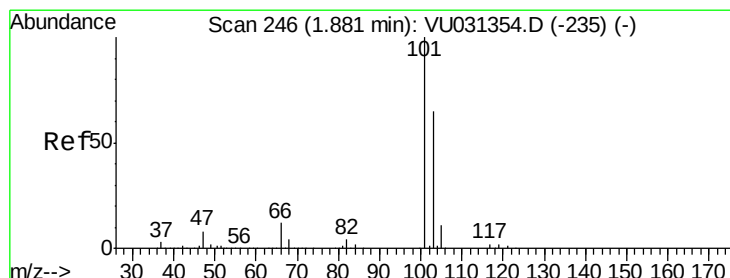
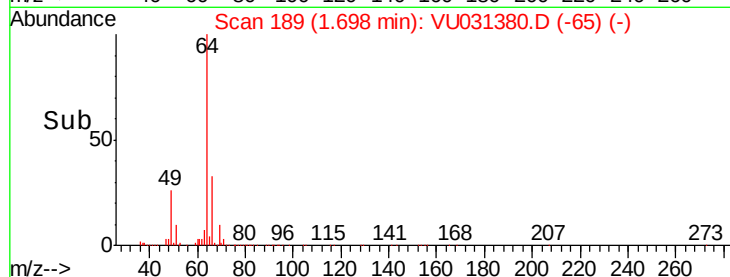
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 43.834 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU031380.D

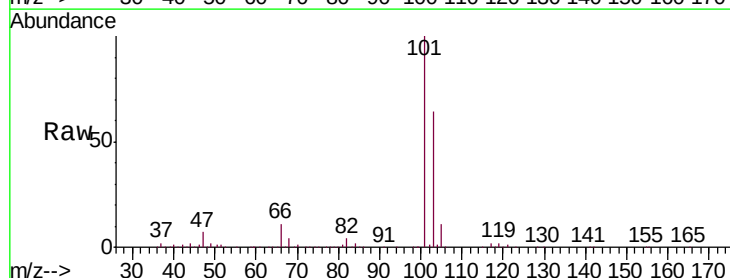
Acq: 20 Apr 2019 00:10

Tgt Ion: 101 Resp: 418253

Ion Ratio Lower Upper

101 100

103 64.4 53.0 79.6



Abundance Ion 101.00 (100.70 to 101.70): VU031354.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031354.D (-235) (-)

1.88

300000

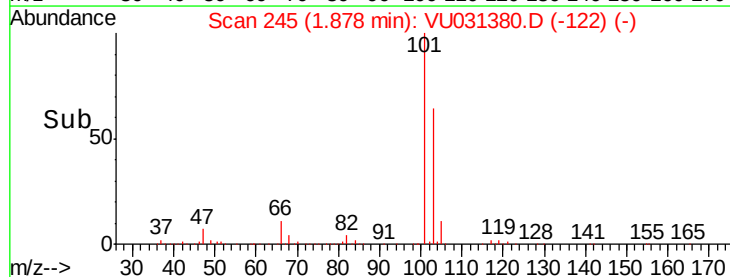
200000

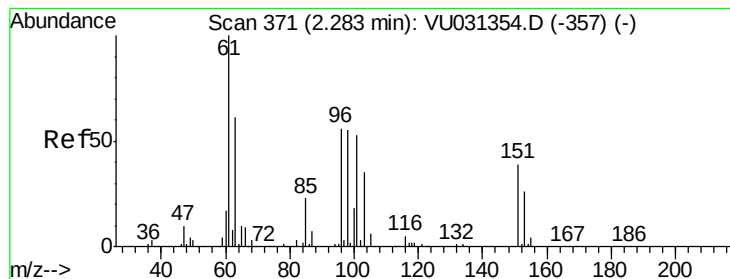
100000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 46.627 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031380.D

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VSTD05043

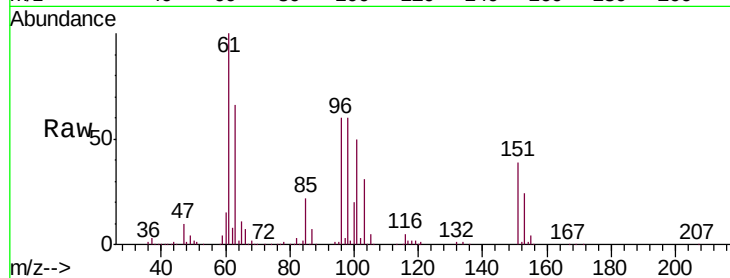
Tgt Ion: 101 Resp: 232718

Ion Ratio Lower Upper

101 100

85 43.0 35.4 53.0

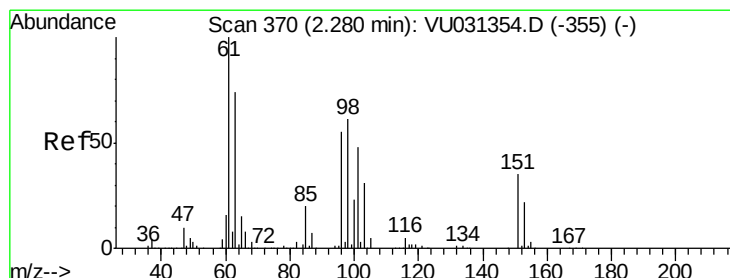
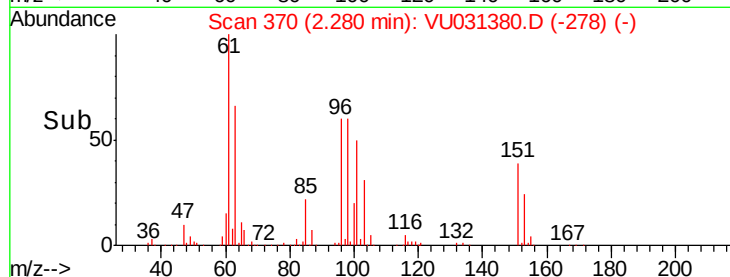
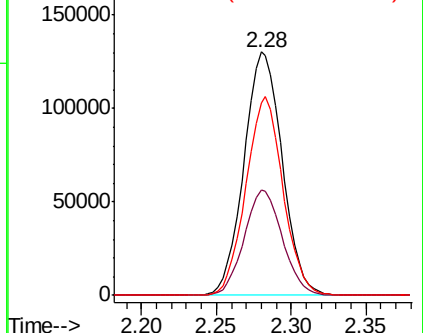
151 78.9 59.8 89.8



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: 50.042 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

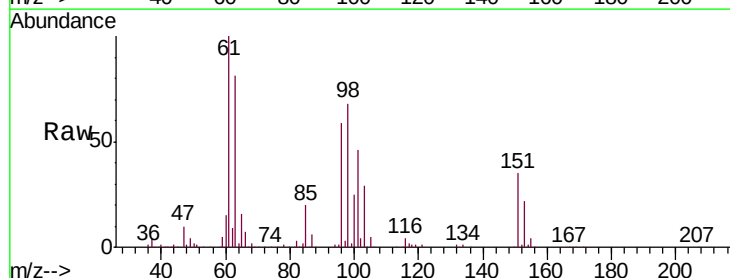
Tgt Ion: 96 Resp: 244970

Ion Ratio Lower Upper

96 100

61 168.2 130.4 242.2

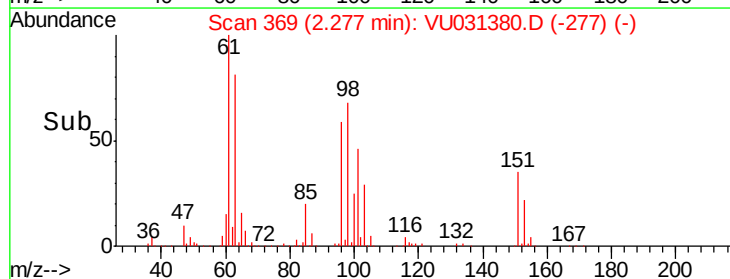
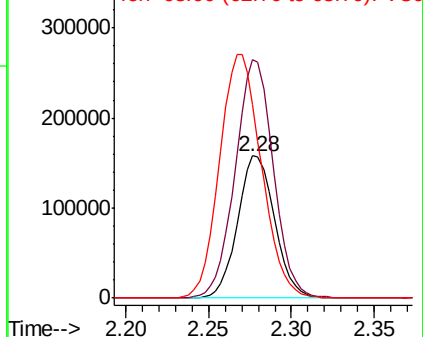
63 136.7 108.9 202.3

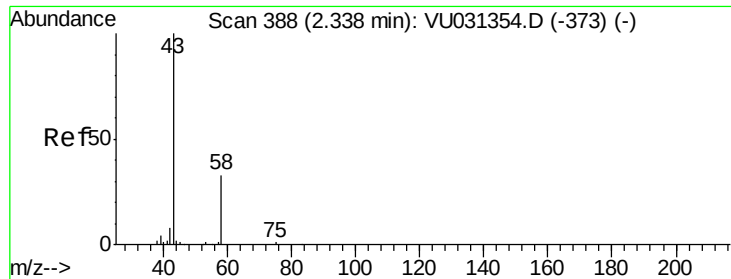


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 91.178 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

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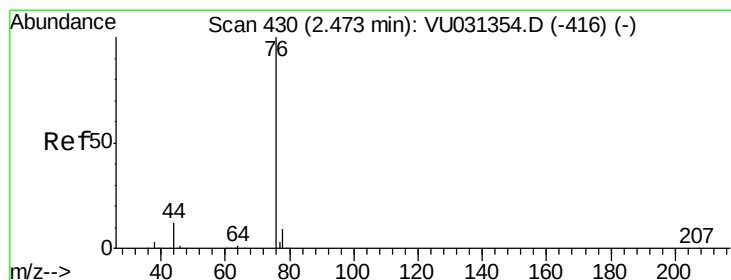
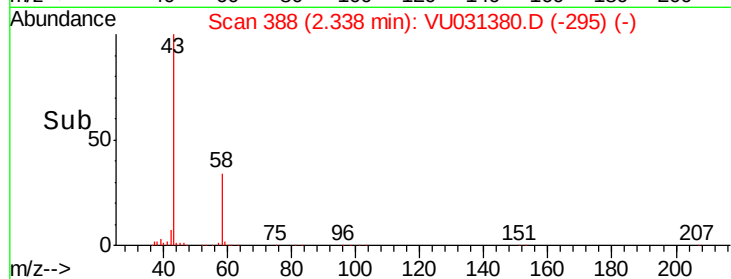
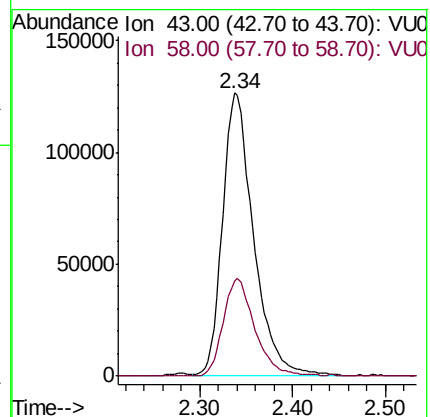
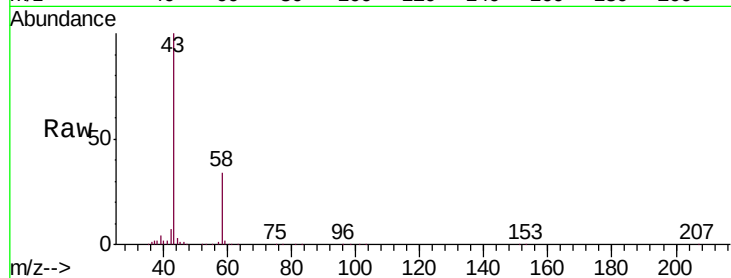
VSTD05043

Tgt Ion: 43 Resp: 294778

Ion Ratio Lower Upper

43 100

58 34.1 0.0 65.0



#14

Carbon disulfide

Concen: 53.774 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

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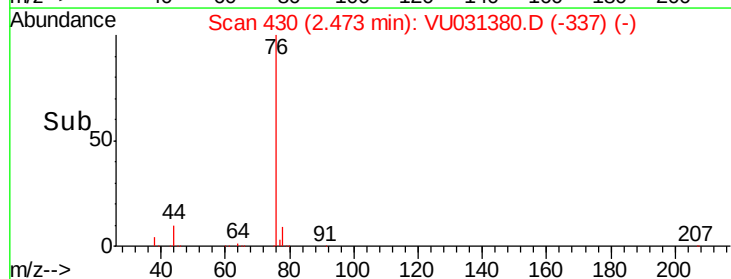
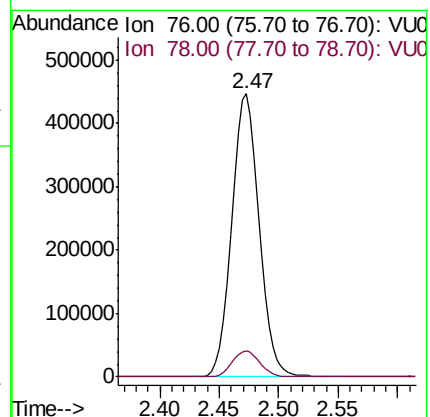
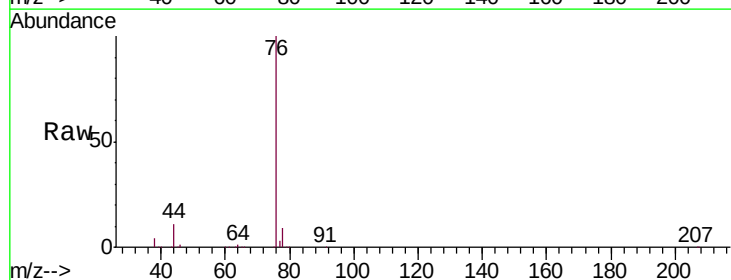
Acq: 20 Apr 2019 00:10

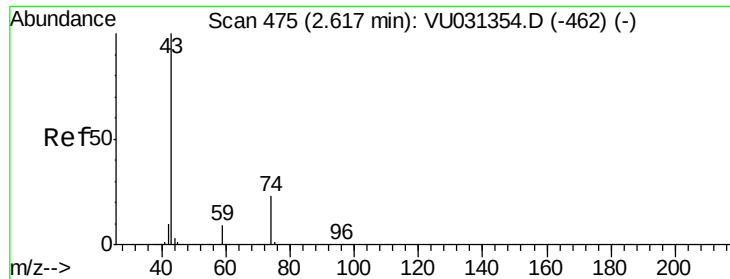
Tgt Ion: 76 Resp: 713126

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

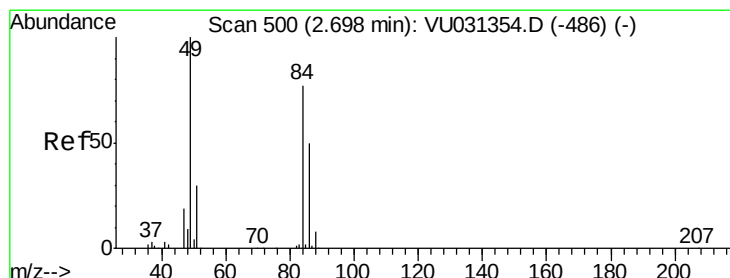
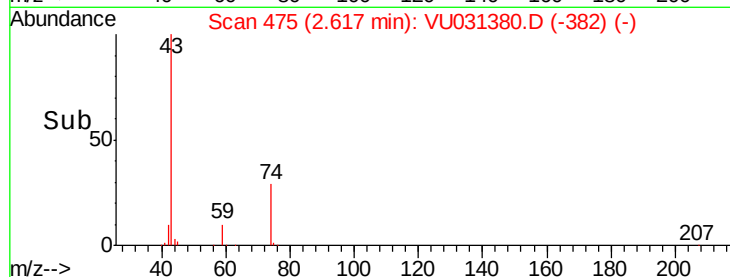
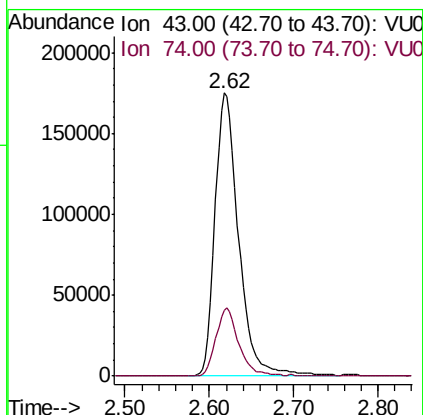
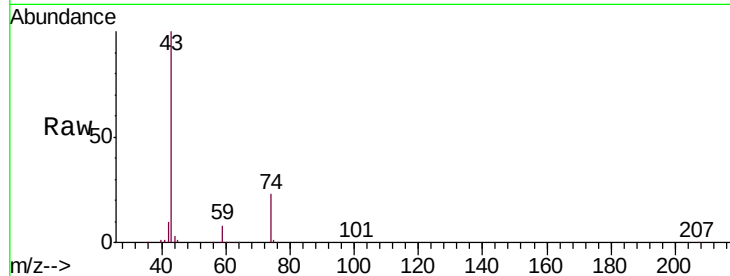




#15
Methyl Acetate
Concen: 60.178 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU031380.D
Acq: 20 Apr 2019 00:10

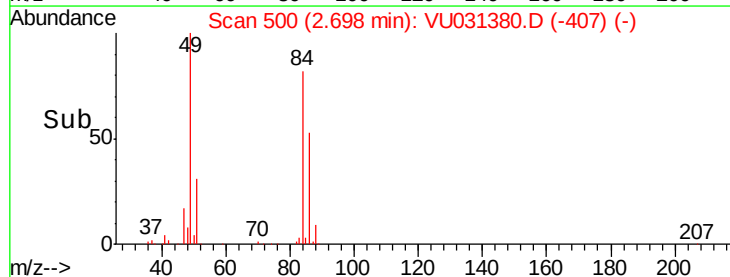
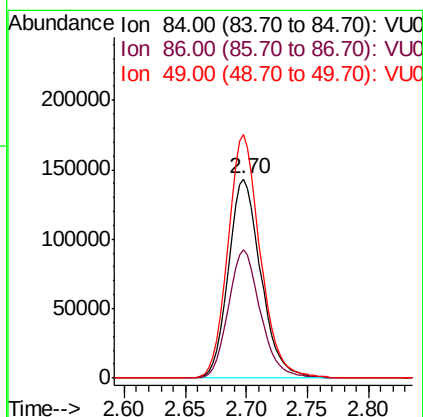
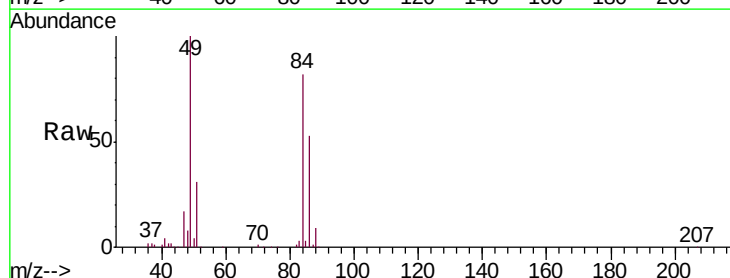
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

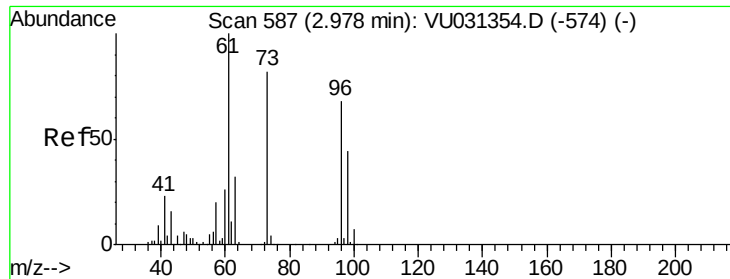
Tgt Ion: 43 Resp: 338492
Ion Ratio Lower Upper
43 100
74 23.4 18.3 27.5



#16
Methylene chloride
Concen: 55.684 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031380.D
Acq: 20 Apr 2019 00:10

Tgt Ion: 84 Resp: 265995
Ion Ratio Lower Upper
84 100
86 64.3 44.0 81.8
49 122.2 88.0 163.4





#17

trans-1,2-Dichloroethene

Concen: 56.366 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

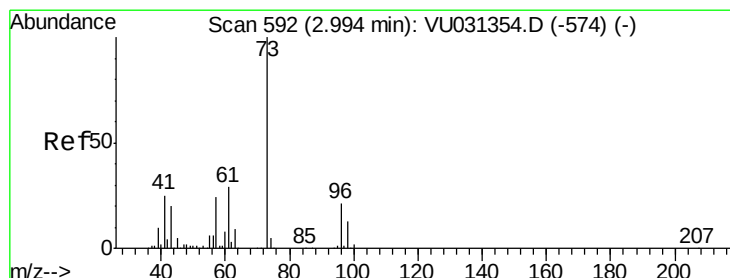
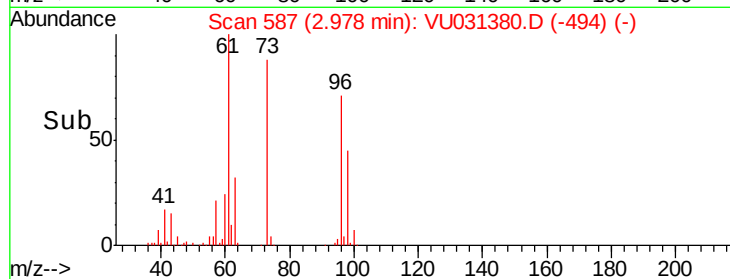
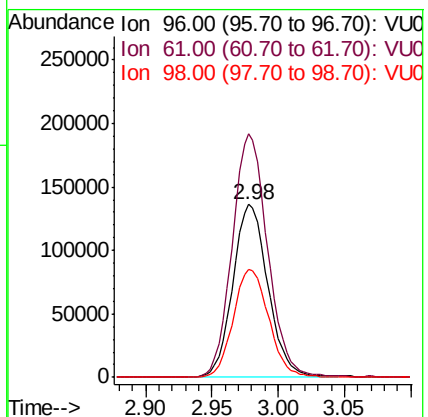
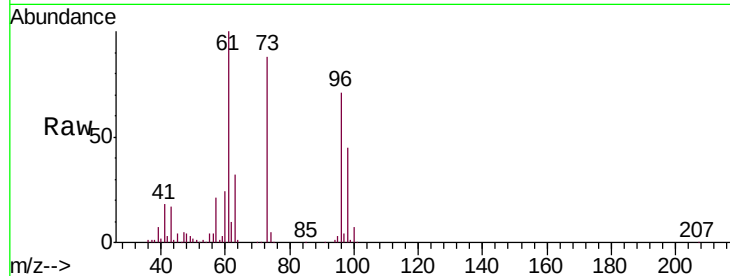
Tgt Ion: 96 Resp: 251411

Ion Ratio Lower Upper

96 100

61 140.8 105.5 195.9

98 62.7 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 58.367 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

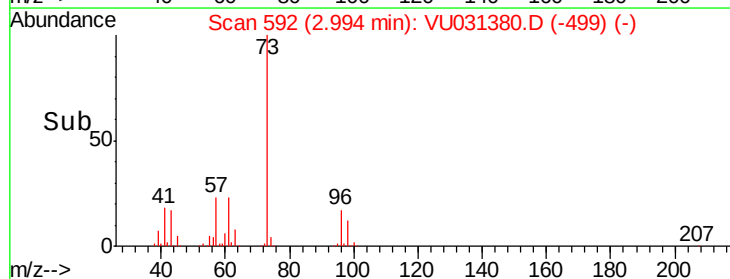
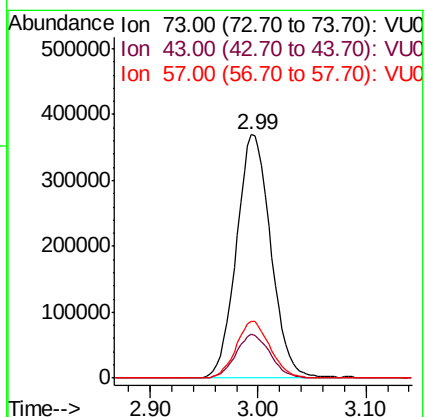
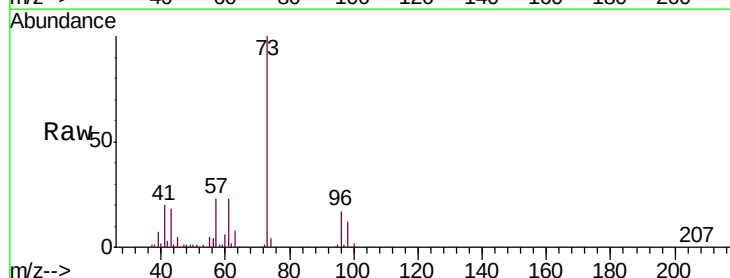
Tgt Ion: 73 Resp: 819752

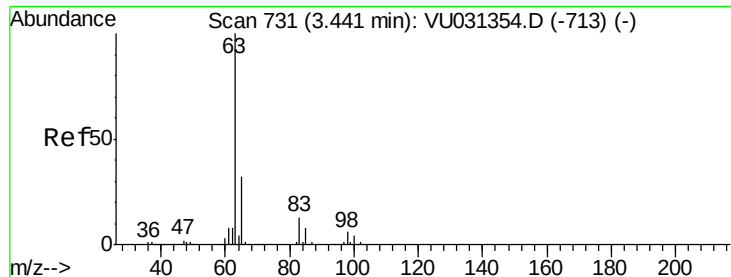
Ion Ratio Lower Upper

73 100

43 17.7 15.6 23.4

57 23.1 18.0 27.0

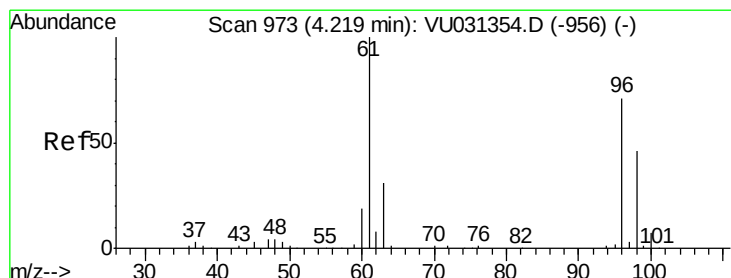
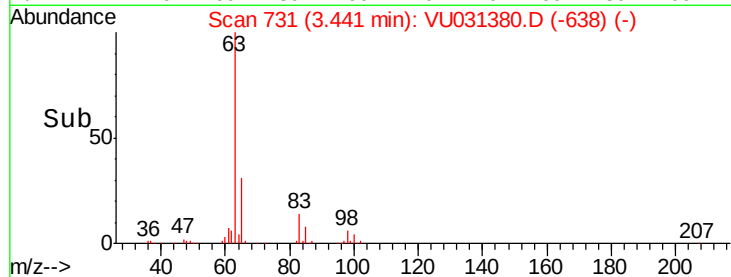
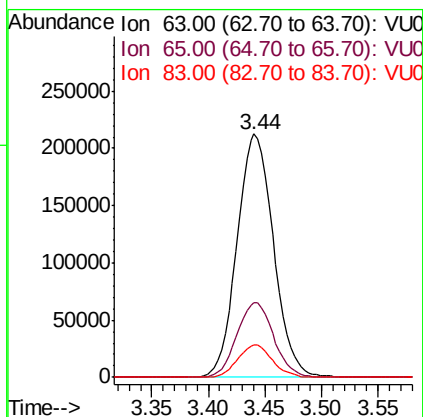
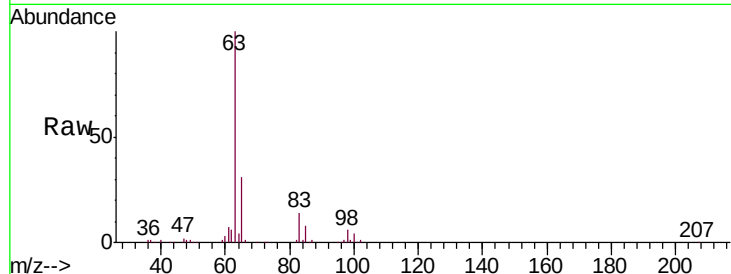




#19
 1,1-Dichloroethane
 Concen: 53.629 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

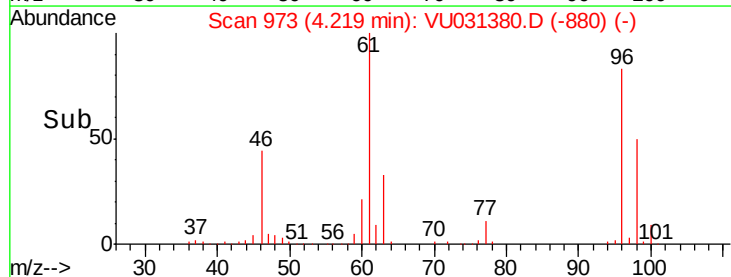
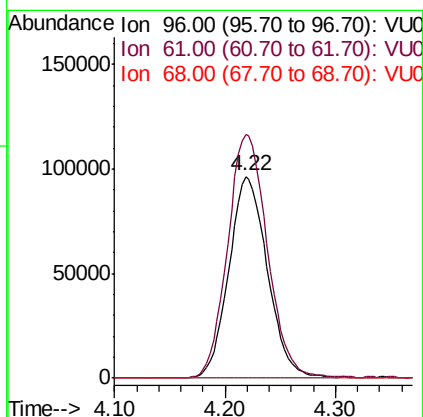
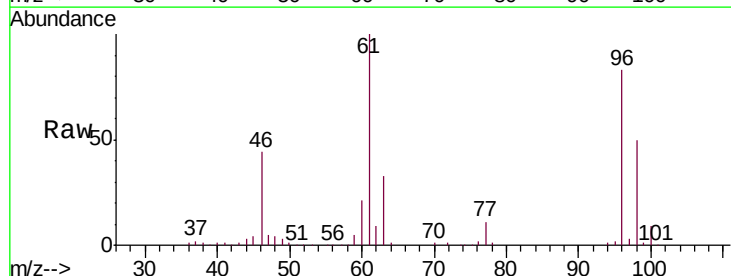
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

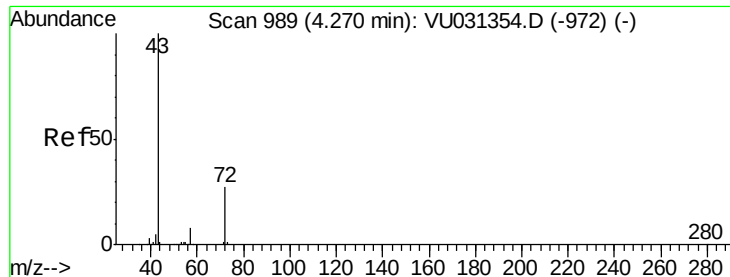
Tgt Ion: 63 Resp: 475459
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.8 42.4
 83 13.6 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 44.891 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion: 96 Resp: 233019
 Ion Ratio Lower Upper
 96 100
 61 120.9 98.2 182.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 85.463 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

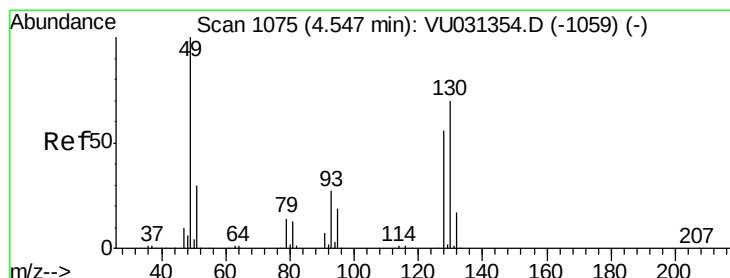
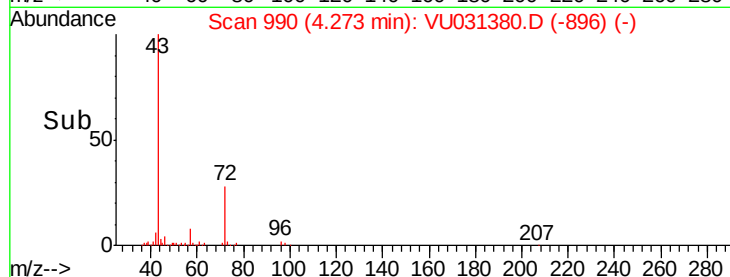
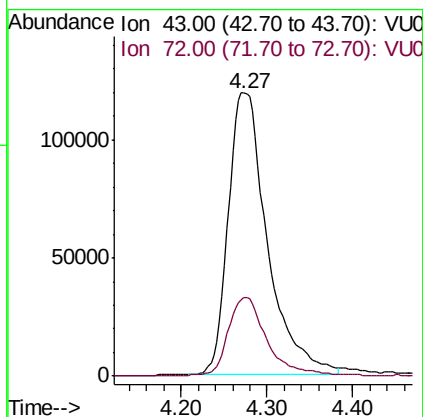
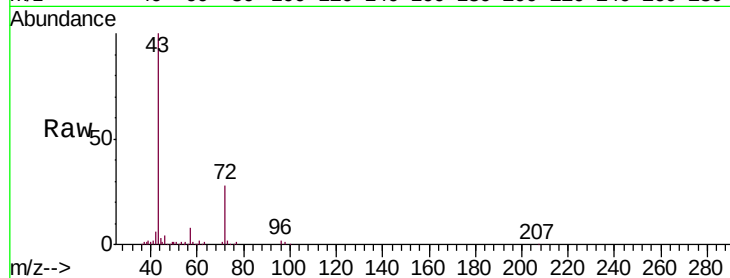
VSTD05043

Tgt Ion: 43 Resp: 378653

Ion Ratio Lower Upper

43 100

72 27.4 12.6 37.8



#23

Bromochloromethane

Concen: 45.649 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Tgt Ion: 128 Resp: 117390

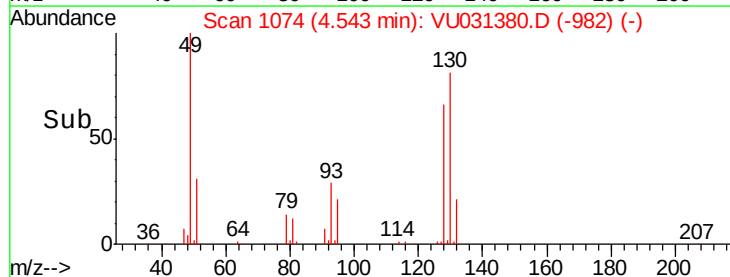
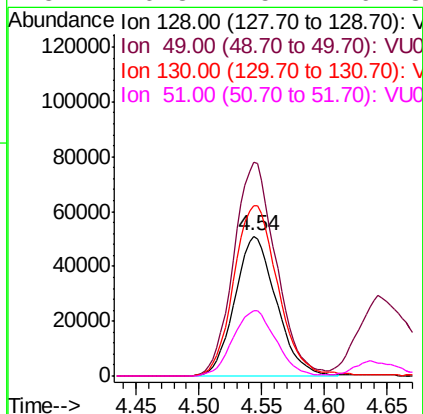
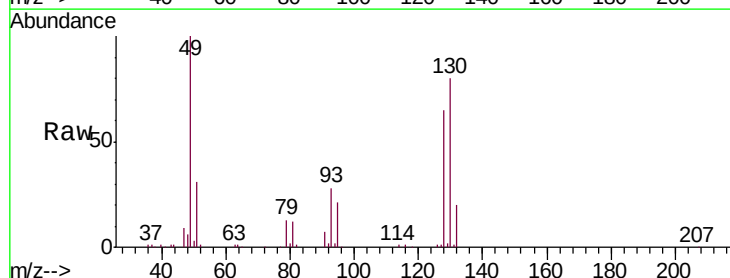
Ion Ratio Lower Upper

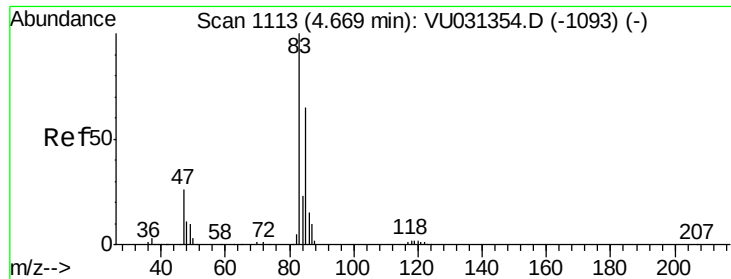
128 100

49 152.9 124.0 230.4

130 122.1 89.7 166.5

51 46.8 45.2 67.8

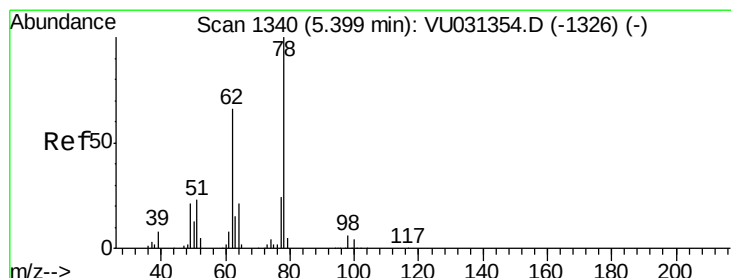
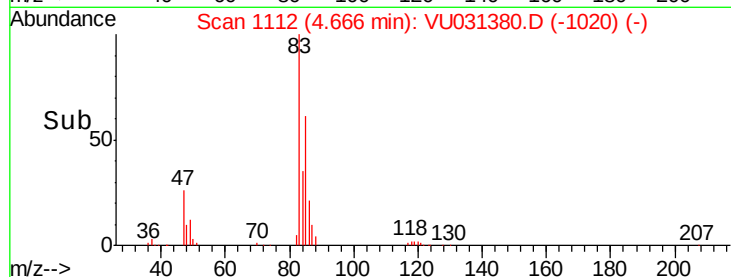
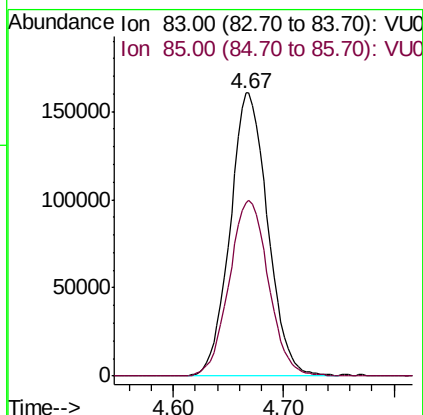
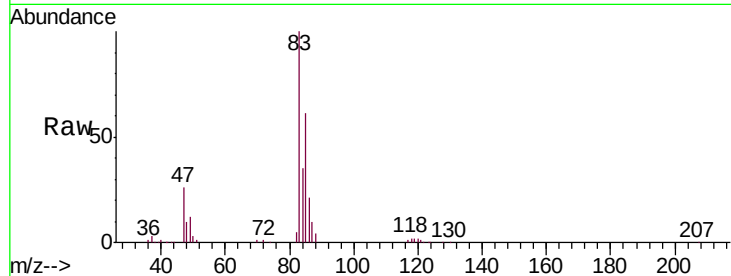




#25
Chloroform
Concen: 41.750 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031380.D
Acq: 20 Apr 2019 00:10

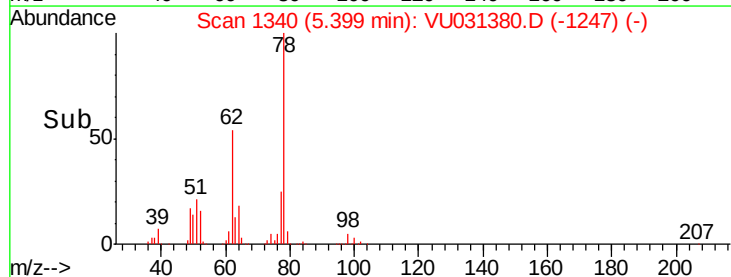
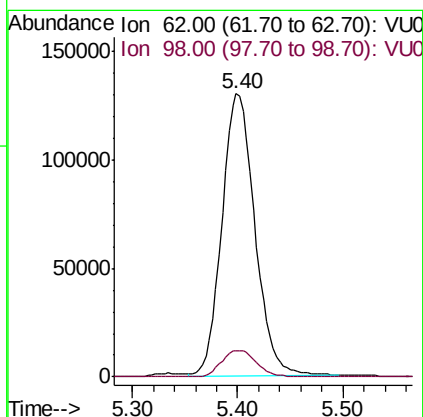
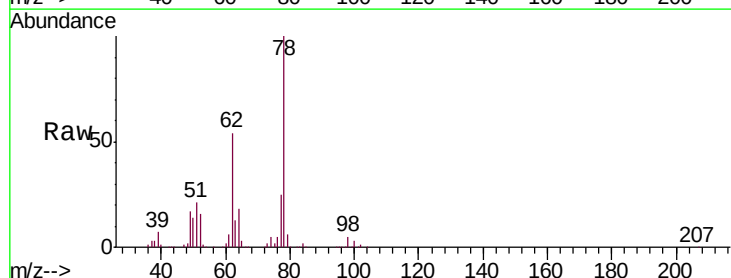
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

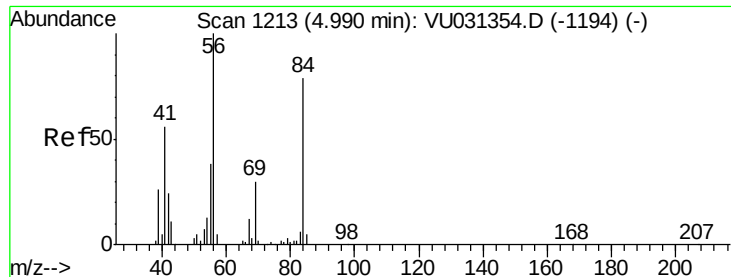
Tgt Ion: 83 Resp: 379645
Ion Ratio Lower Upper
83 100
85 61.1 44.8 83.2



#27
1,2-Dichloroethane
Concen: 40.848 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031380.D
Acq: 20 Apr 2019 00:10

Tgt Ion: 62 Resp: 282519
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.6





#29

Cyclohexane

Concen: 45.805 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

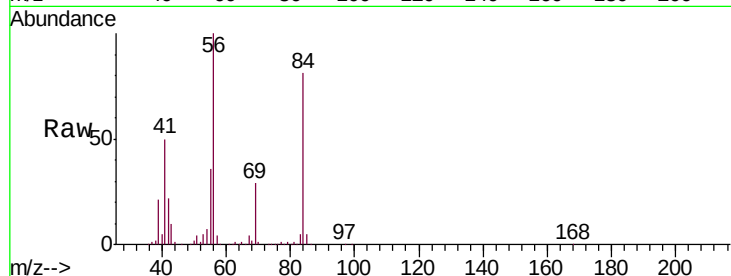
Tgt Ion: 56 Resp: 371417

Ion Ratio Lower Upper

56 100

69 29.7 23.0 34.6

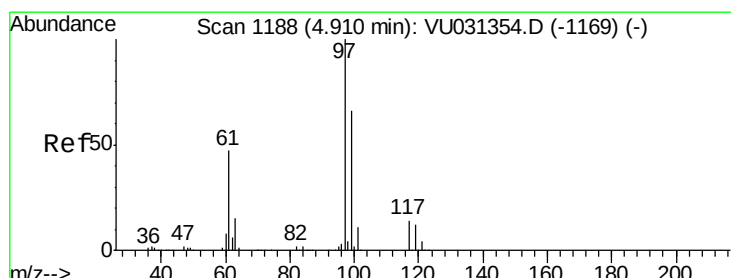
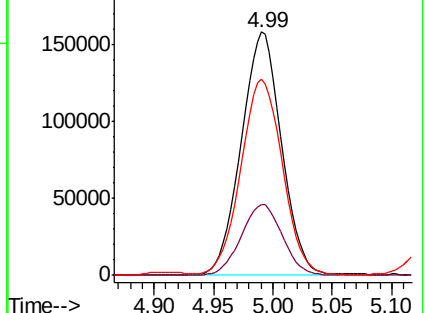
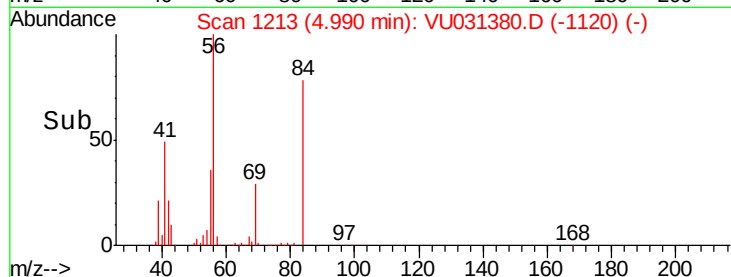
84 82.8 61.8 92.6



Abundance Ion 56.00 (55.70 to 56.70): VU031380.D (-1120) (-)

Ion 69.00 (68.70 to 69.70): VU031380.D (-1120) (-)

Ion 84.00 (83.70 to 84.70): VU031380.D (-1120) (-)



#30

1,1,1-Trichloroethane

Concen: 42.302 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

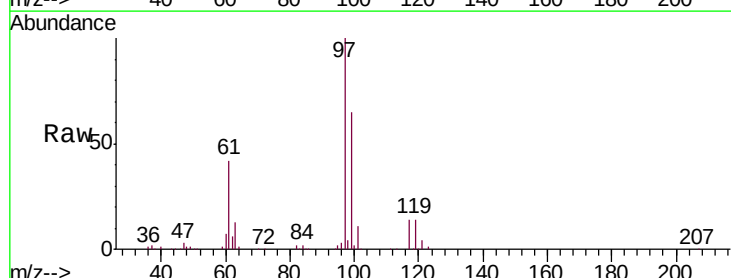
Tgt Ion: 97 Resp: 322692

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.2

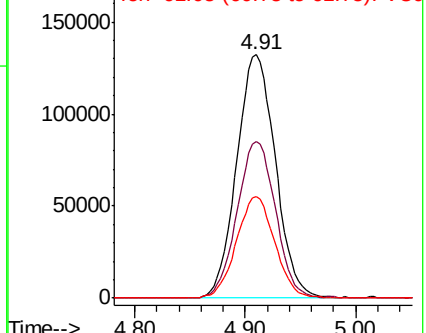
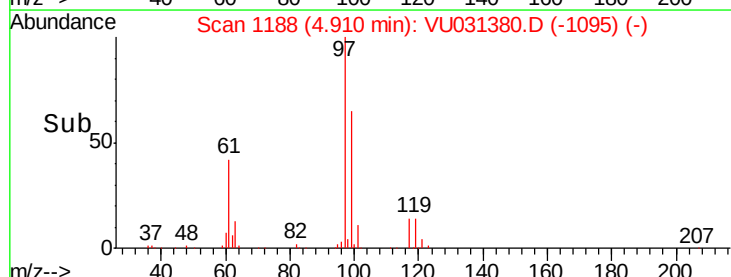
61 41.1 35.0 52.4

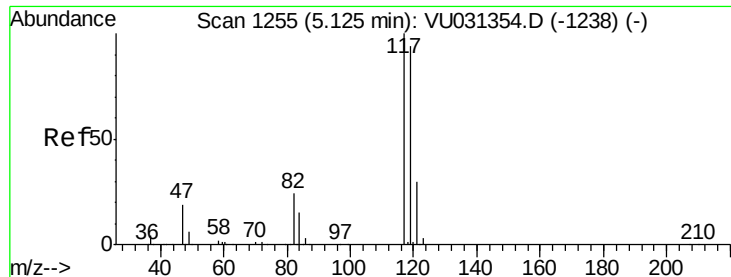


Abundance Ion 97.00 (96.70 to 97.70): VU031380.D (-1095) (-)

Ion 99.00 (98.70 to 99.70): VU031380.D (-1095) (-)

Ion 61.05 (60.75 to 61.75): VU031380.D (-1095) (-)





#31

Carbon tetrachloride

Concen: 42.600 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

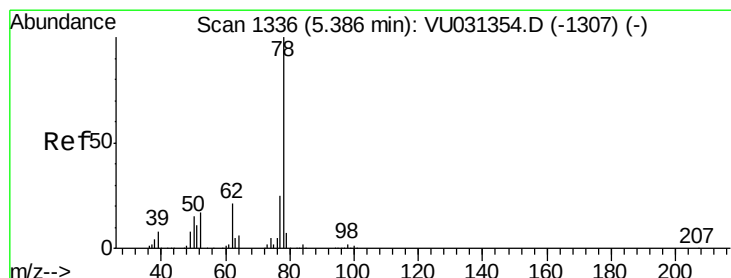
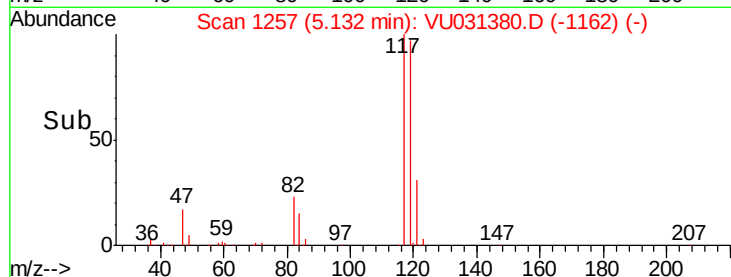
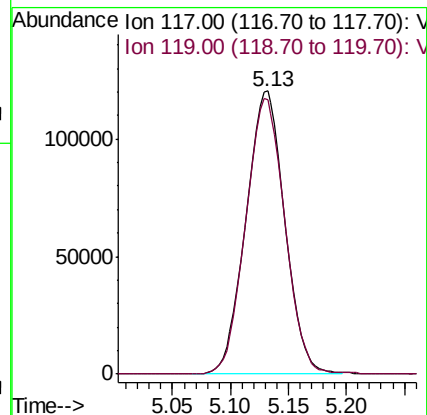
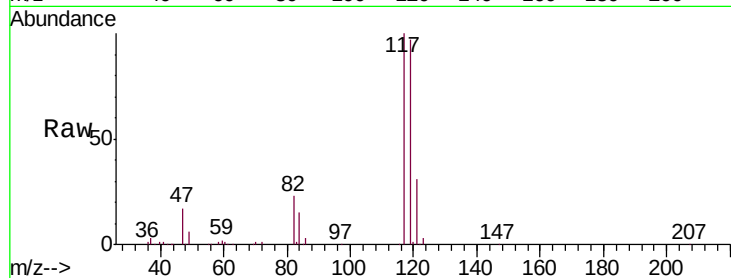
VSTD05043

Tgt Ion:117 Resp: 281158

Ion Ratio Lower Upper

117 100

119 97.9 78.0 117.0



#33

Benzene

Concen: 45.595 ug/L

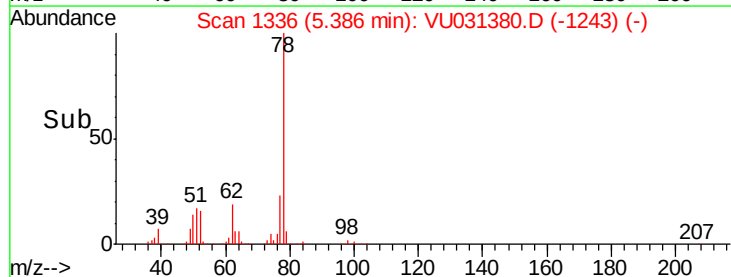
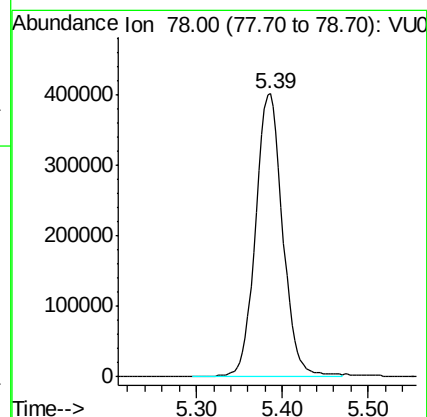
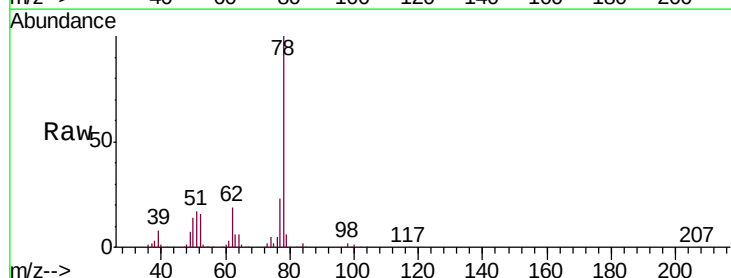
RT: 5.39 min Scan# 1336

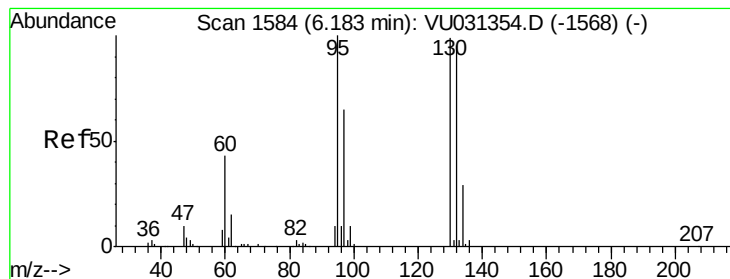
Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Tgt Ion: 78 Resp: 884097





#34

Trichloroethene

Concen: 46.361 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 95 Resp: 224925

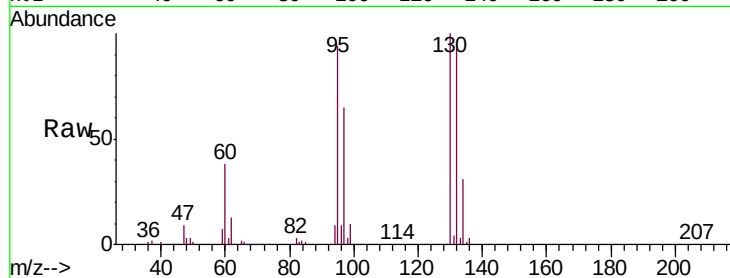
Ion Ratio Lower Upper

95 100

97 69.0 43.6 81.0

132 98.9 64.5 119.7

130 106.9 68.0 126.2

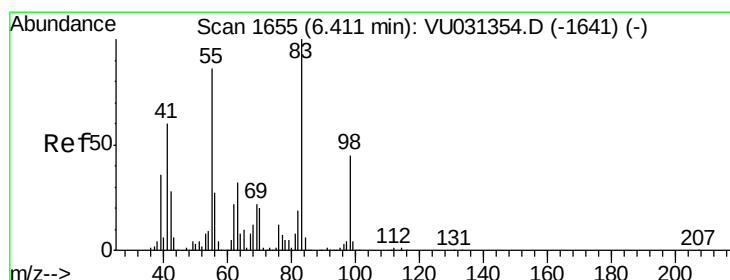
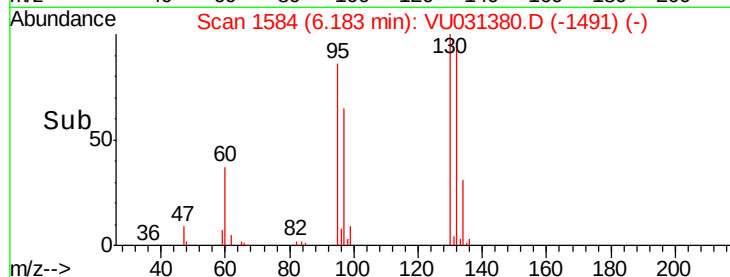
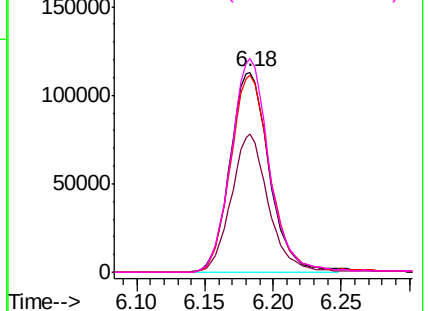


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 46.189 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

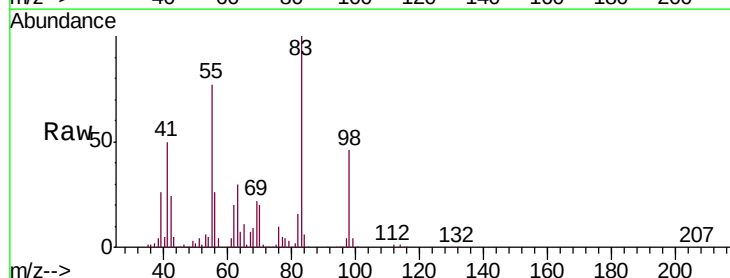
Tgt Ion: 83 Resp: 333617

Ion Ratio Lower Upper

83 100

55 78.0 67.0 100.4

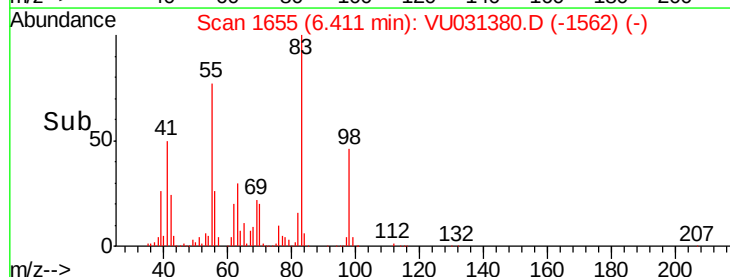
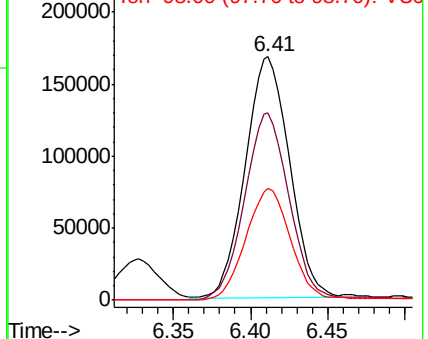
98 46.6 36.9 55.3

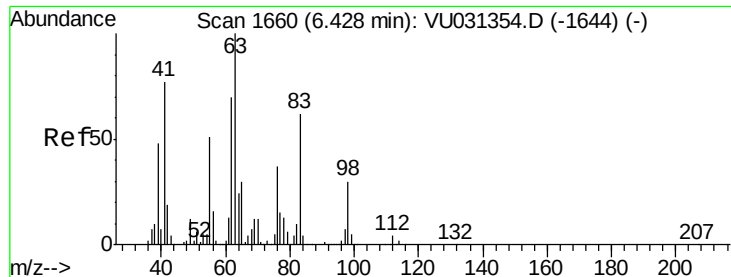


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

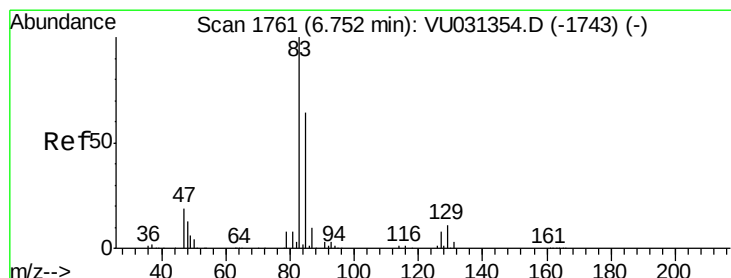
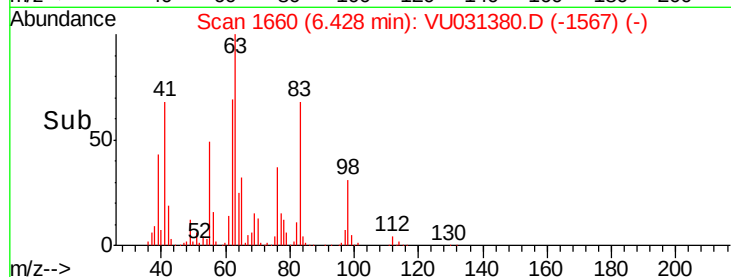
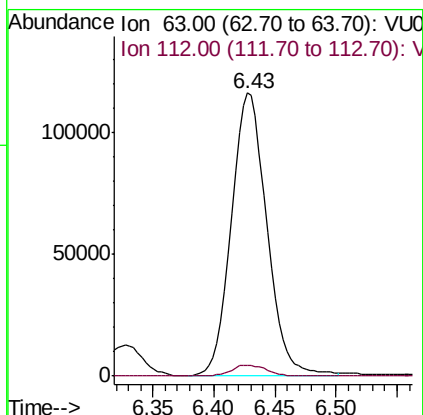
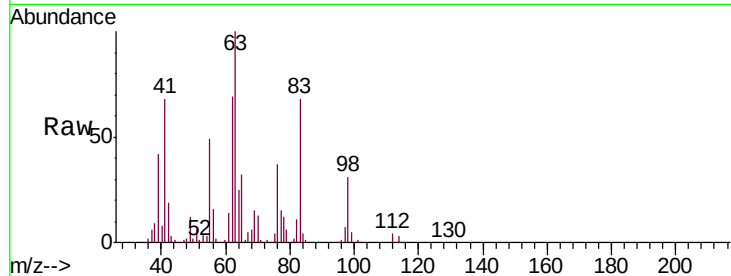




#37
 1,2-Dichloropropane
 Concen: 45.551 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

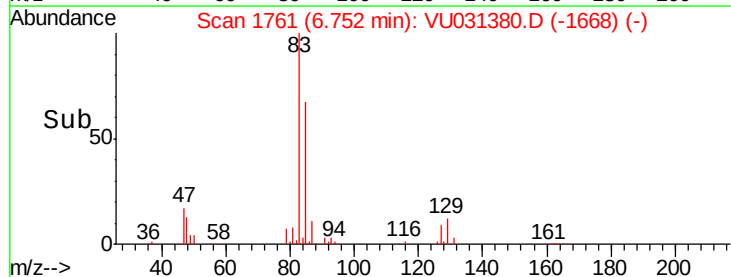
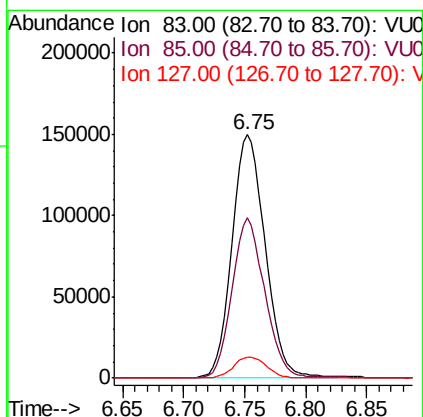
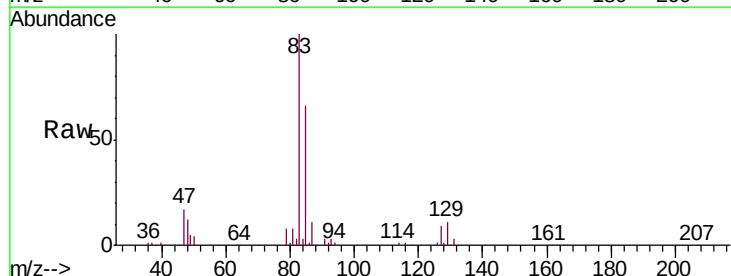
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

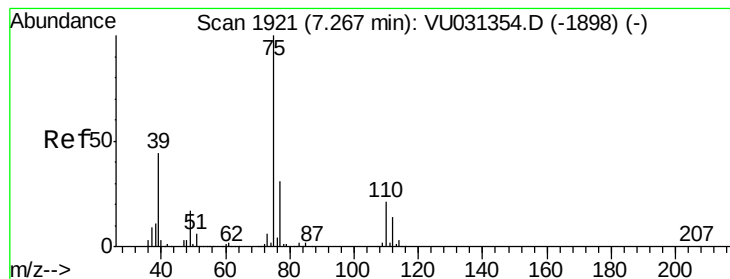
Tgt Ion: 63 Resp: 233908
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#38
 Bromodichloromethane
 Concen: 43.299 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion: 83 Resp: 282604
 Ion Ratio Lower Upper
 83 100
 85 65.7 44.5 82.7
 127 8.5 6.6 9.8



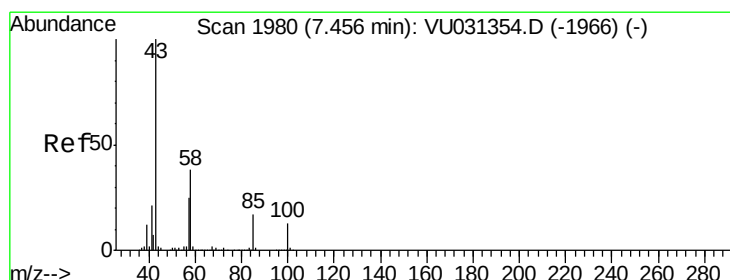
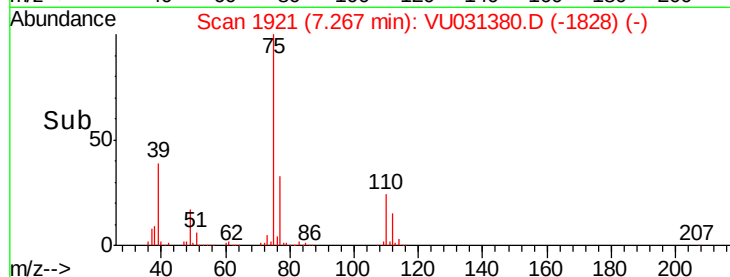
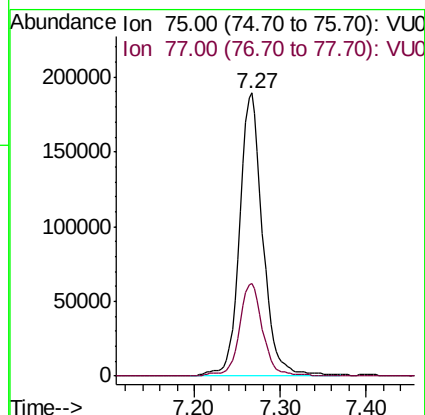
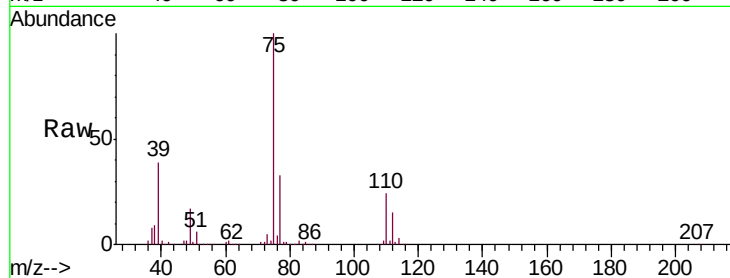


#39

cis-1,3-Dichloropropene
 Concen: 46.052 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

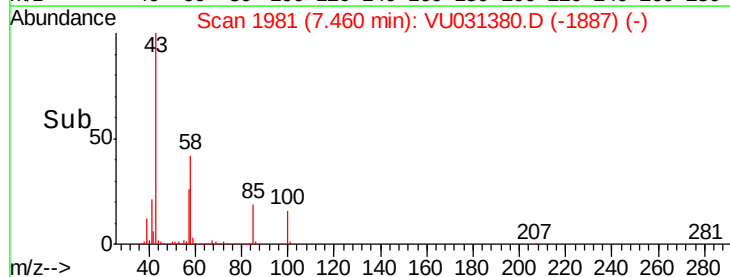
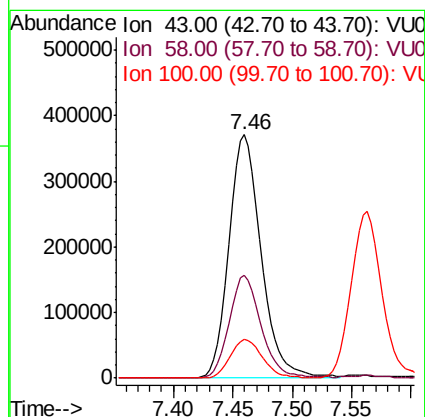
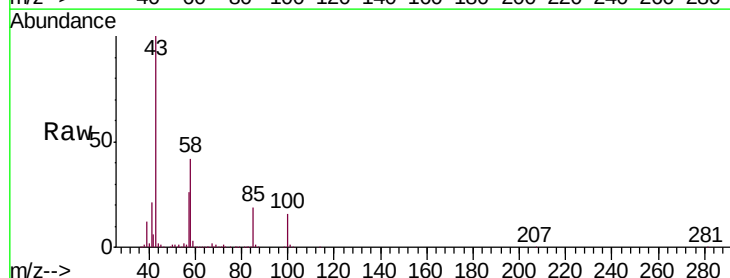
Tgt Ion: 75 Resp: 354378
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.7 42.1

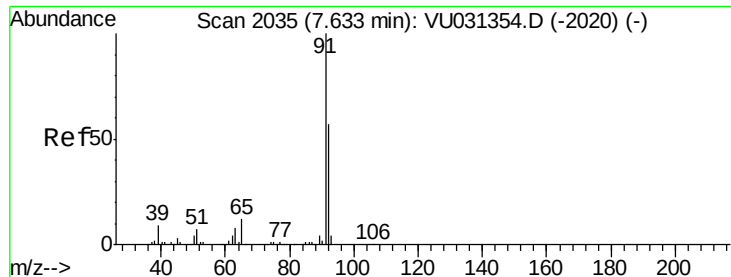


#40

4-Methyl-2-pentanone
 Concen: 96.381 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion: 43 Resp: 698263
 Ion Ratio Lower Upper
 43 100
 58 41.8 31.0 46.4
 100 16.1 10.6 16.0#





#42

Toluene

Concen: 49.357 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

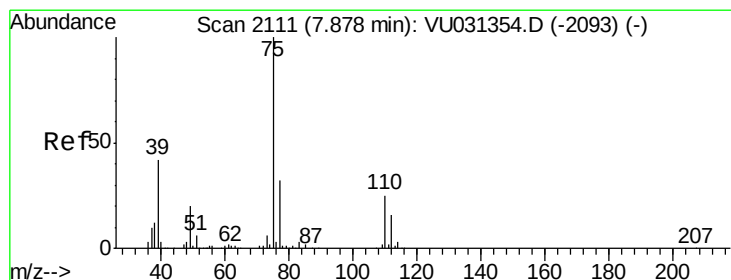
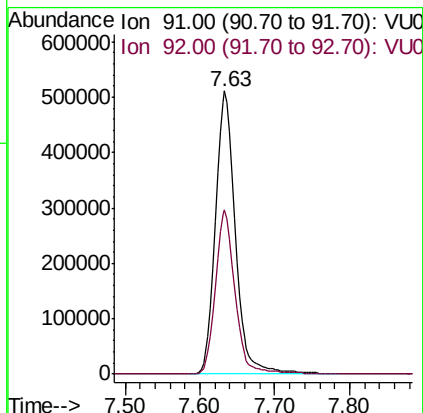
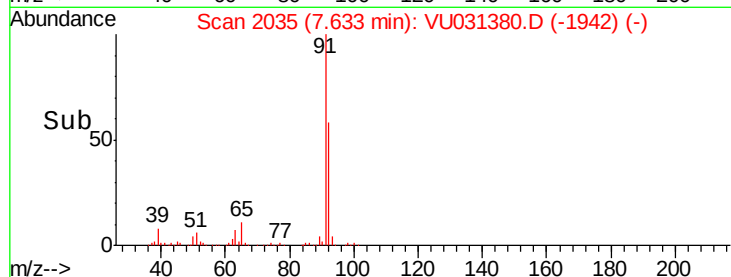
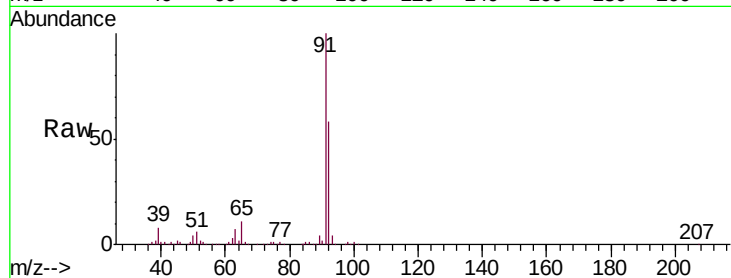
VSTD05043

Tgt Ion: 91 Resp: 951983

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 45.200 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031380.D

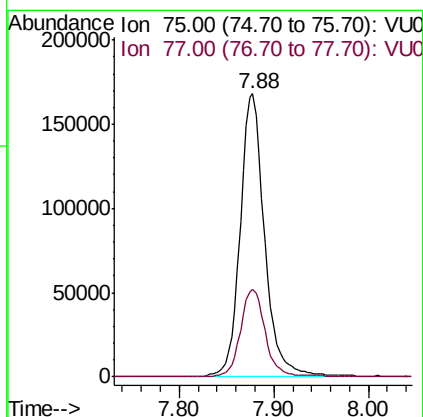
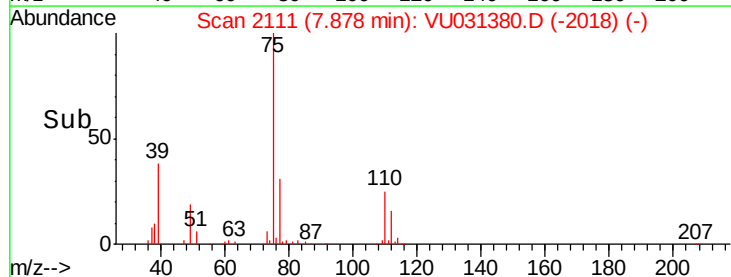
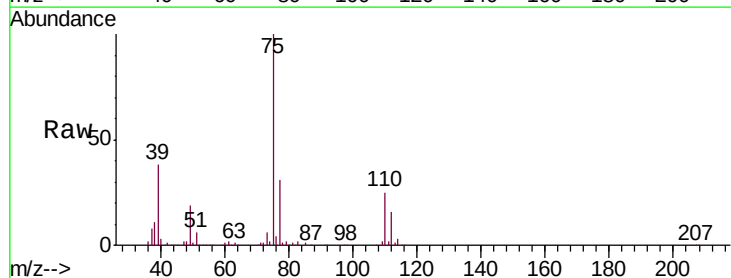
Acq: 20 Apr 2019 00:10

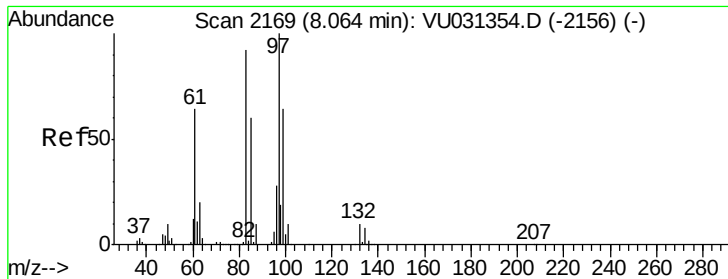
Tgt Ion: 75 Resp: 302004

Ion Ratio Lower Upper

75 100

77 30.9 22.8 42.4

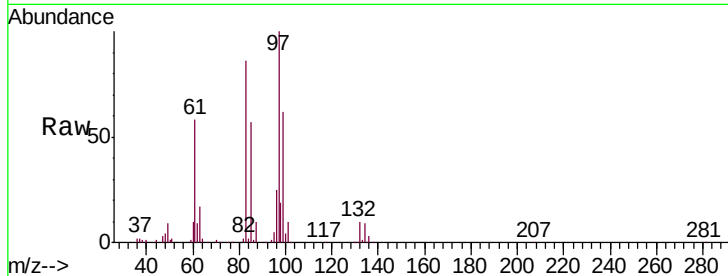




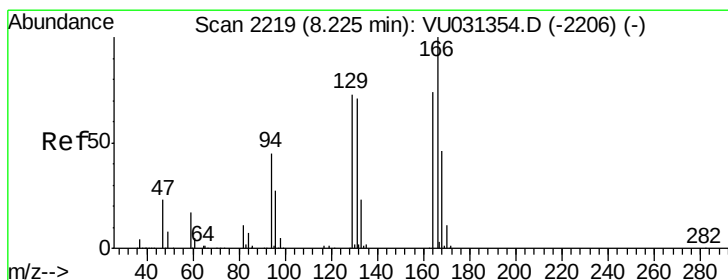
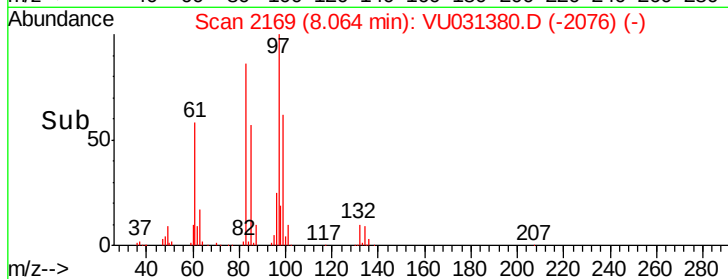
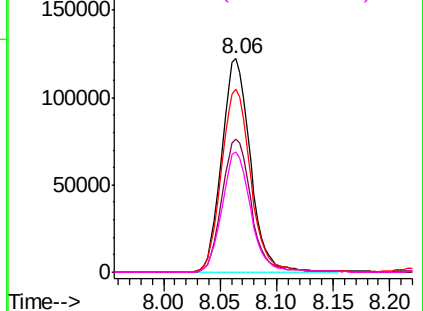
#45
 1,1,2-Trichloroethane
 Concen: 47.046 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion:	97	Resp:	217432
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.2	78.4
83	85.8	59.8	111.1
85	56.5	39.5	73.4

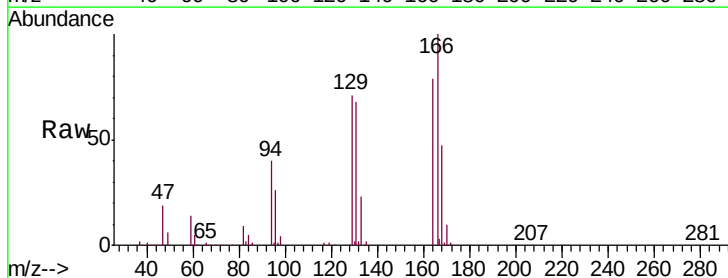


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

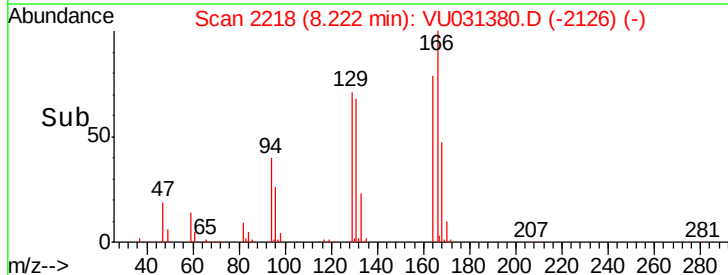
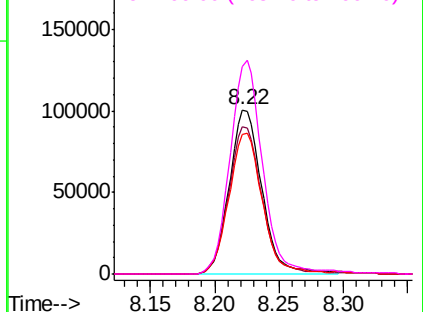


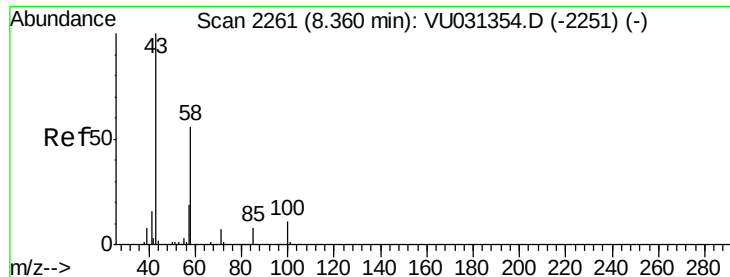
#46
 Tetrachloroethene
 Concen: 48.486 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion:	164	Resp:	176927
Ion	Ratio	Lower	Upper
164	100		
129	89.8	66.5	123.5
131	85.4	62.3	115.7
166	126.3	90.6	168.3



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

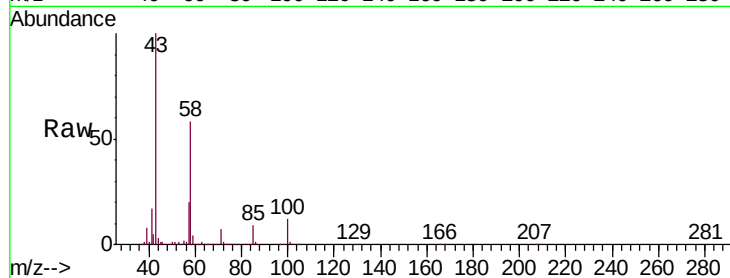




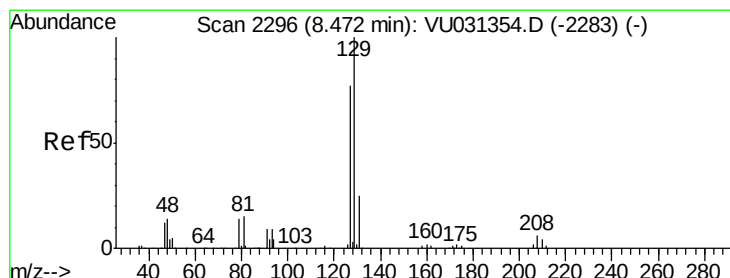
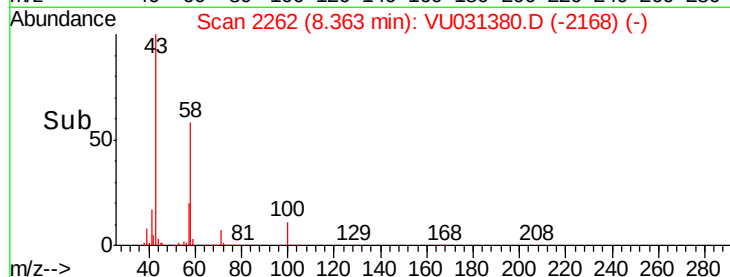
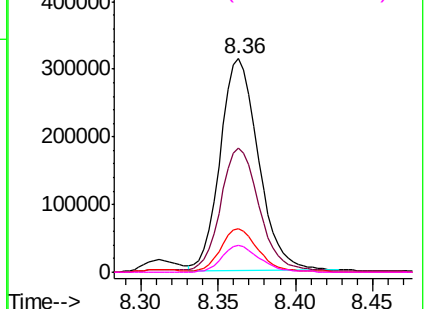
#48
2-Hexanone
Concen: 93.544 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031380.D
Acq: 20 Apr 2019 00:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion: 43 Resp: 539009
Ion Ratio Lower Upper
43 100
58 60.1 44.9 67.3
57 20.4 15.1 22.7
100 12.6 8.6 13.0

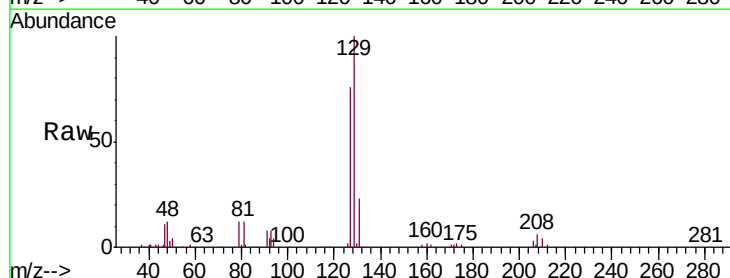


Abundance Ion 43.00 (42.70 to 43.70): VU031354.D (-2251) (-)
Ion 58.00 (57.70 to 58.70): VU031354.D (-2251) (-)
Ion 57.00 (56.70 to 57.70): VU031354.D (-2251) (-)
Ion 100.00 (99.70 to 100.70): VU031354.D (-2251) (-)

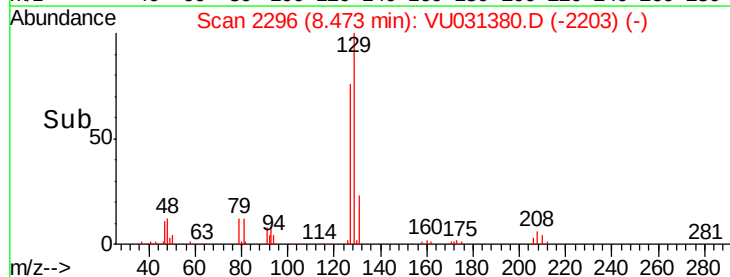
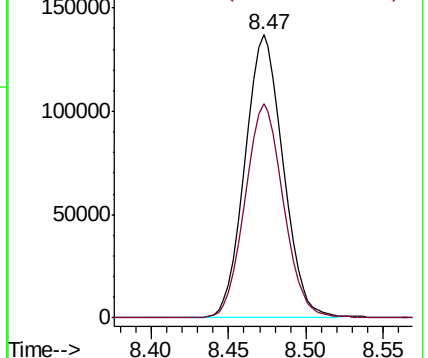


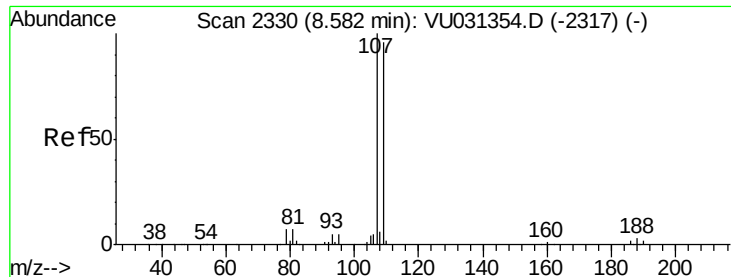
#49
Dibromochloromethane
Concen: 47.286 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031380.D
Acq: 20 Apr 2019 00:10

Tgt Ion: 129 Resp: 236216
Ion Ratio Lower Upper
129 100
127 75.6 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VU031354.D (-2283) (-)
Ion 127.00 (126.70 to 127.70): VU031354.D (-2283) (-)

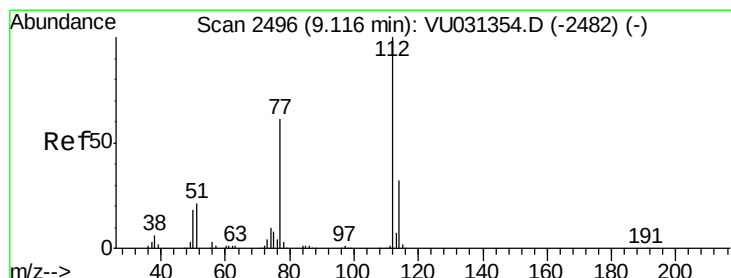
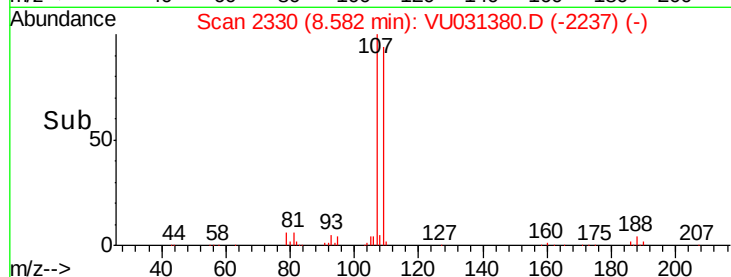
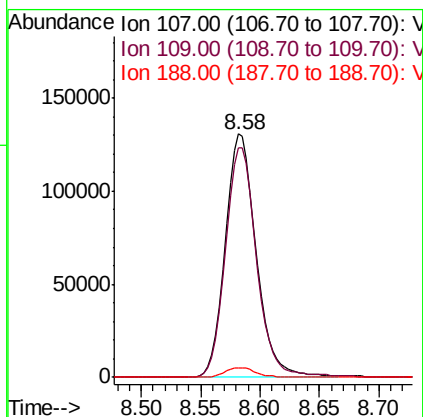
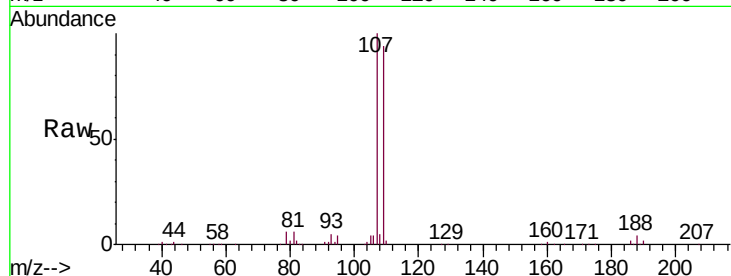




#50
 1,2-Dibromoethane
 Concen: 48.366 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

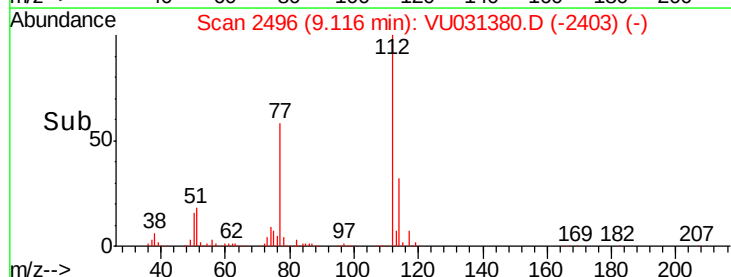
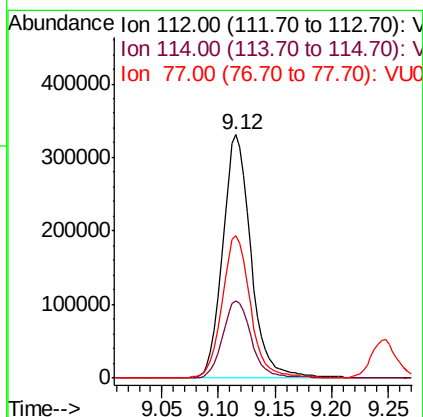
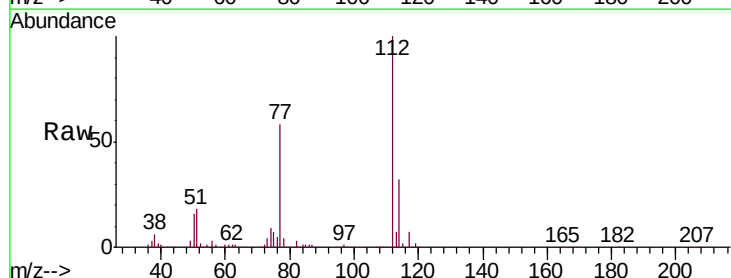
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

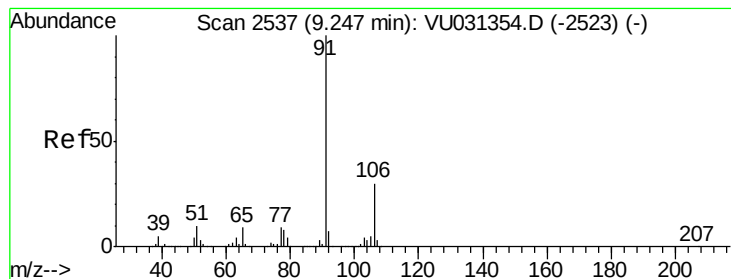
Tgt Ion:107 Resp: 236159
 Ion Ratio Lower Upper
 107 100
 109 94.4 65.0 120.8
 188 4.0 2.9 4.3



#51
 Chlorobenzene
 Concen: 47.711 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion:112 Resp: 575135
 Ion Ratio Lower Upper
 112 100
 114 31.9 21.6 40.0
 77 58.5 49.0 73.4





#52

Ethylbenzene

Concen: 47.441 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

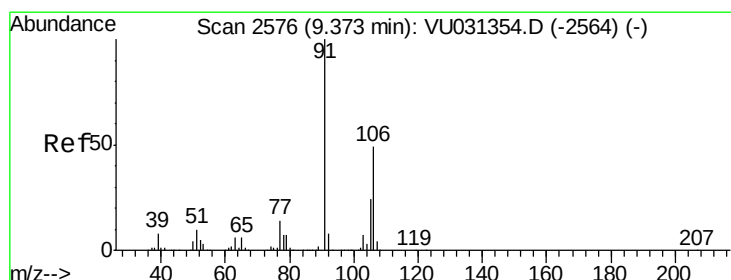
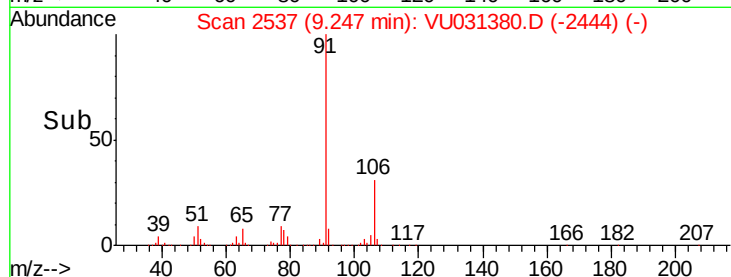
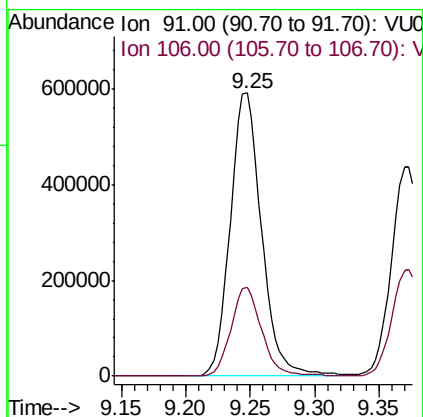
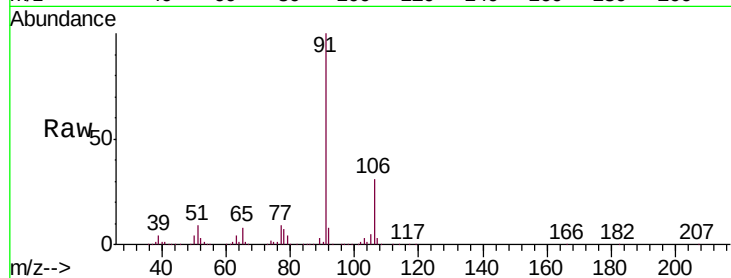
VSTD05043

Tgt Ion: 91 Resp: 996117

Ion Ratio Lower Upper

91 100

106 31.2 20.9 38.7



#53

m,p-Xylene

Concen: 51.961 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031380.D

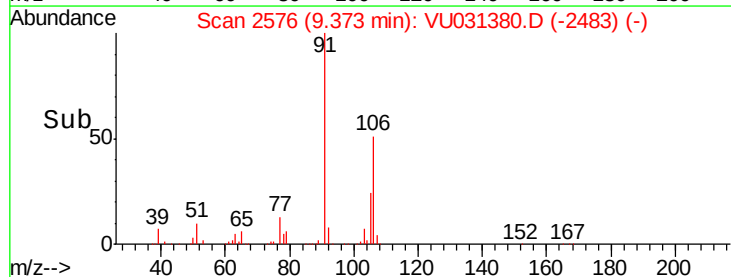
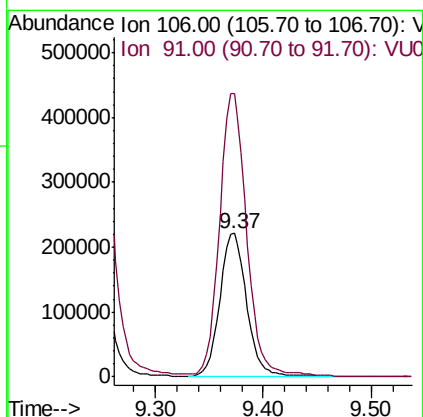
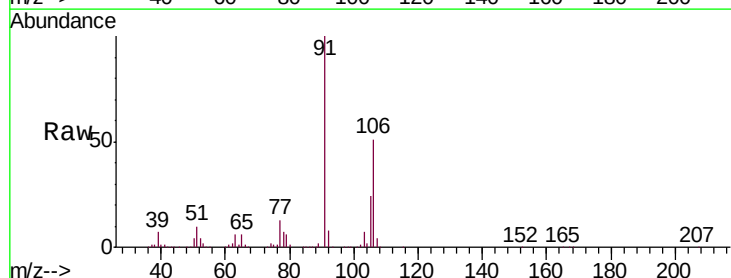
Acq: 20 Apr 2019 00:10

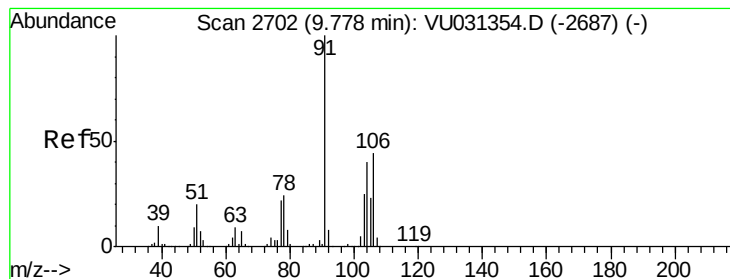
Tgt Ion: 106 Resp: 385022

Ion Ratio Lower Upper

106 100

91 196.8 144.5 268.4





#54

o-xylene

Concen: 50.192 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

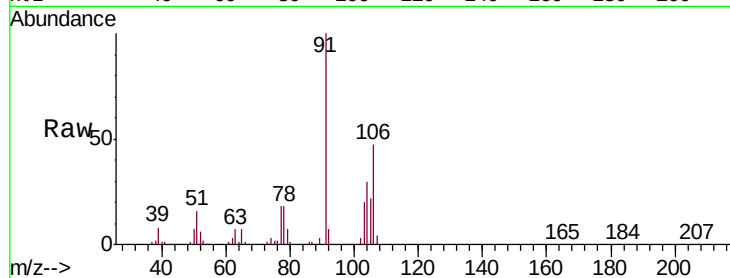
VSTD05043

Tgt Ion:106 Resp: 376628

Ion Ratio Lower Upper

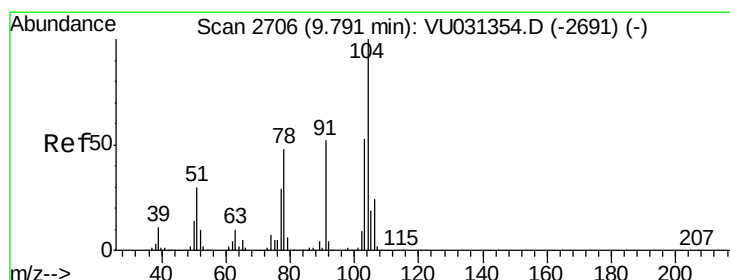
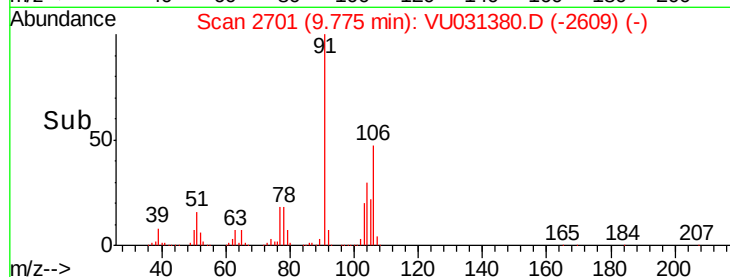
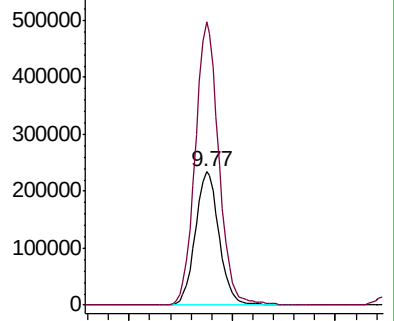
106 100

91 212.4 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.738 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031380.D

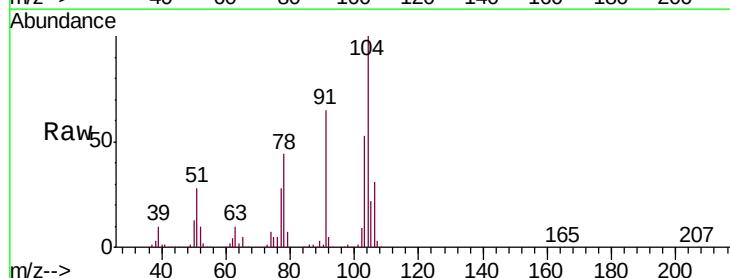
Acq: 20 Apr 2019 00:10

Tgt Ion:104 Resp: 642672

Ion Ratio Lower Upper

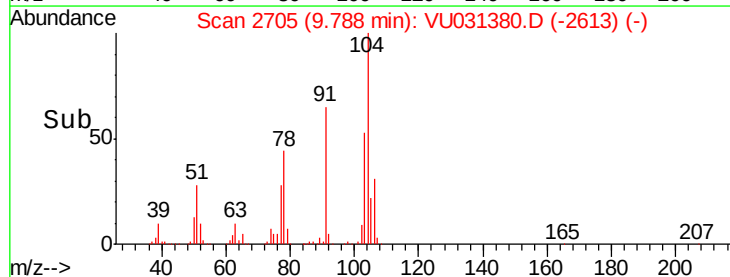
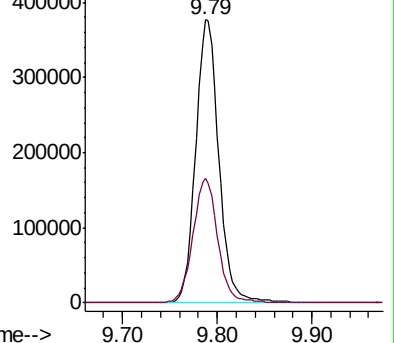
104 100

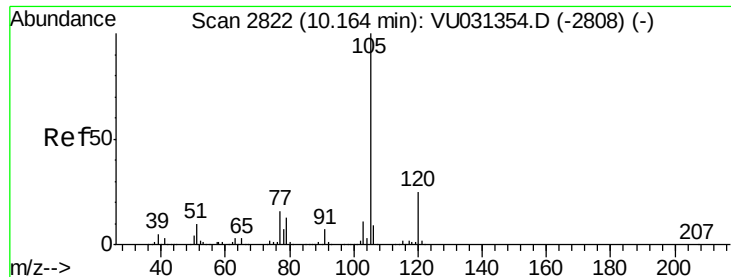
78 44.0 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.454 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

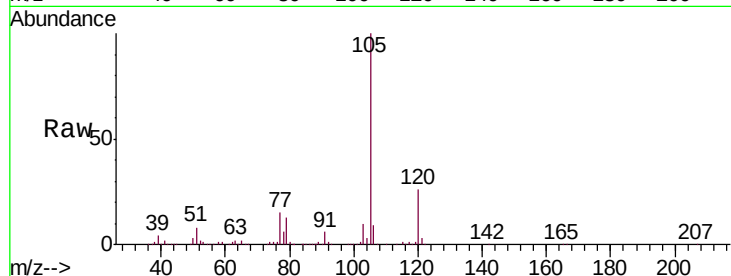
Tgt Ion: 105 Resp: 970374

Ion Ratio Lower Upper

105 100

120 26.5 20.6 31.0

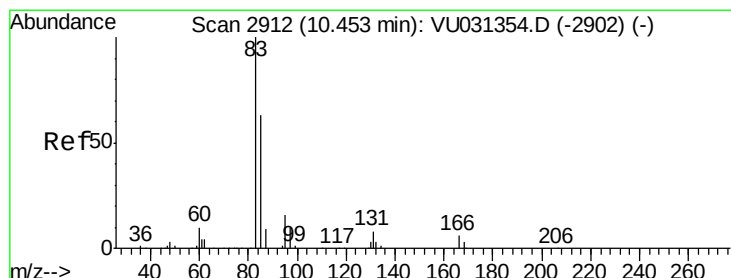
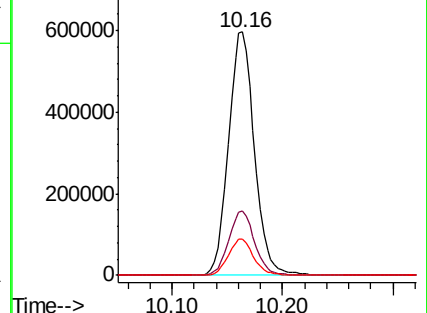
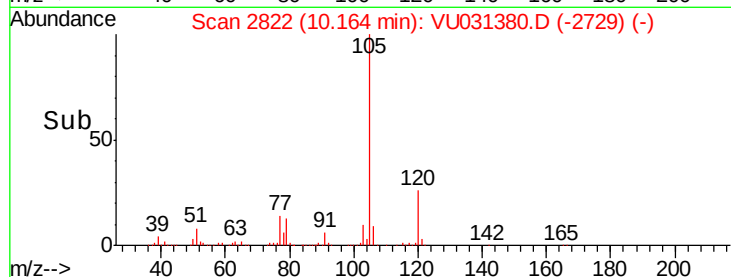
77 14.7 13.0 19.4



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.215 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

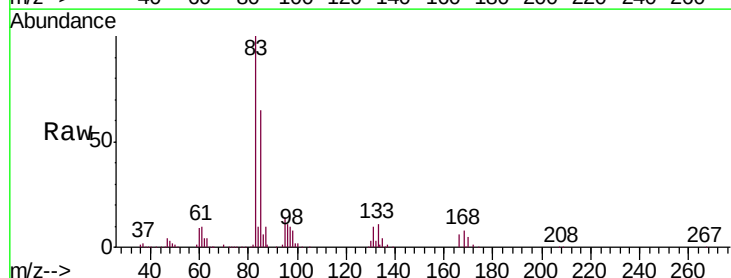
Tgt Ion: 83 Resp: 367797

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4

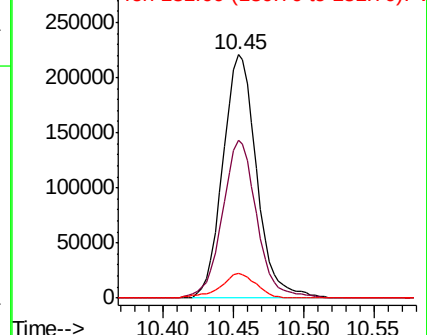
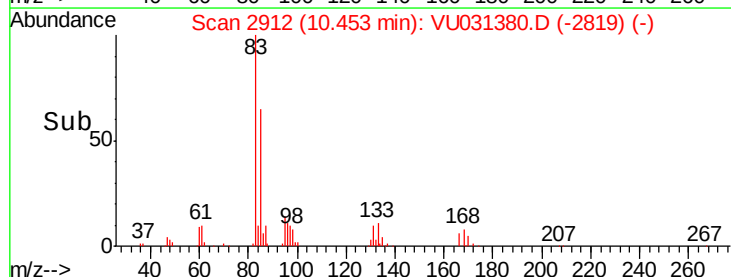
131 10.0 7.4 11.0

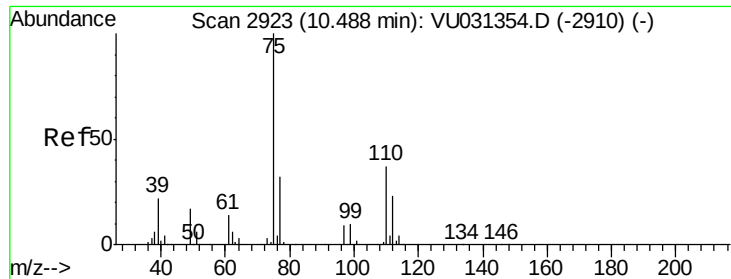


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

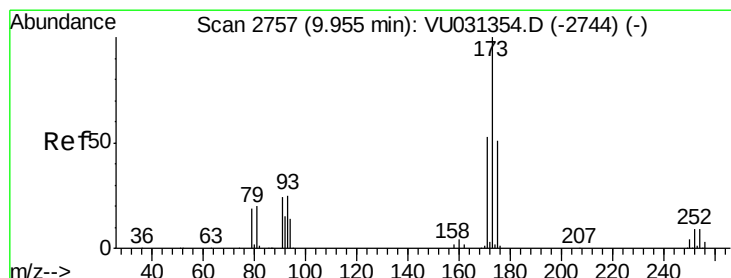
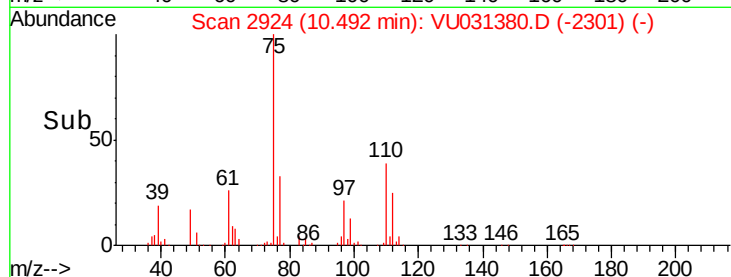
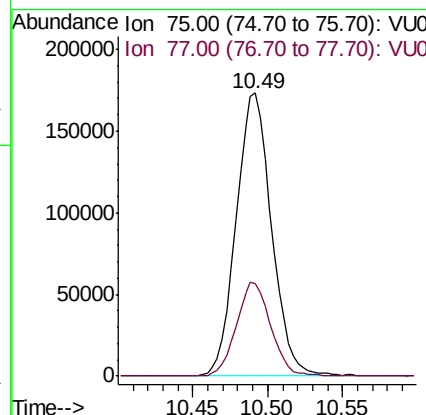
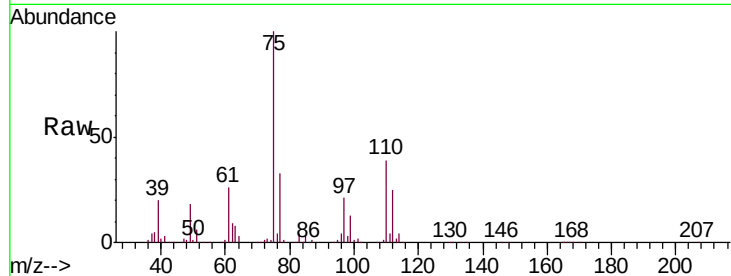




#59
 1,2,3-Trichloropropane
 Concen: 46.766 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

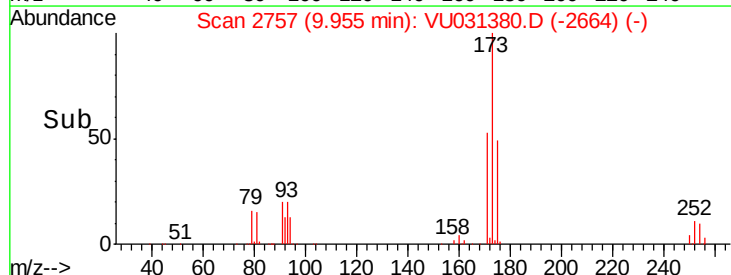
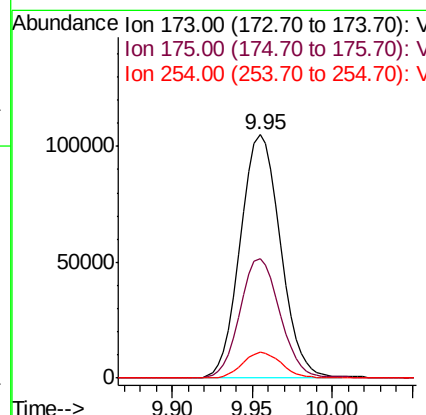
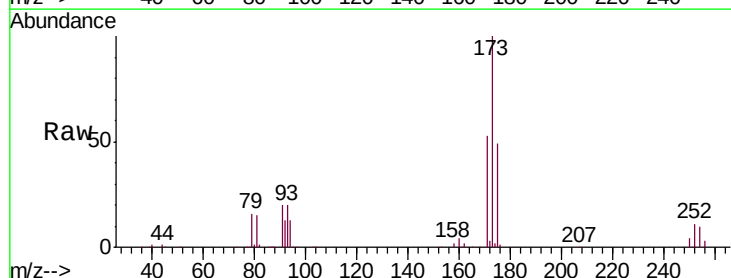
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

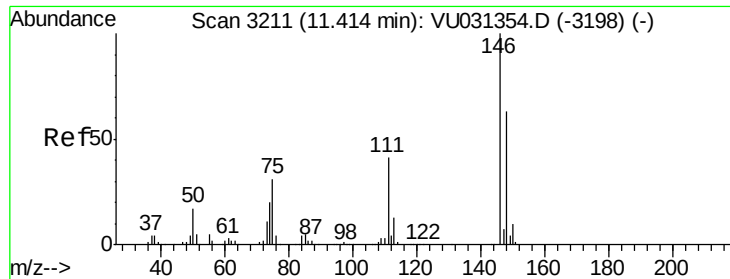
Tgt Ion: 75 Resp: 285629
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#61
 Bromoform
 Concen: 45.279 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion: 173 Resp: 179957
 Ion Ratio Lower Upper
 173 100
 175 49.2 37.8 56.8
 254 10.2 7.2 10.8

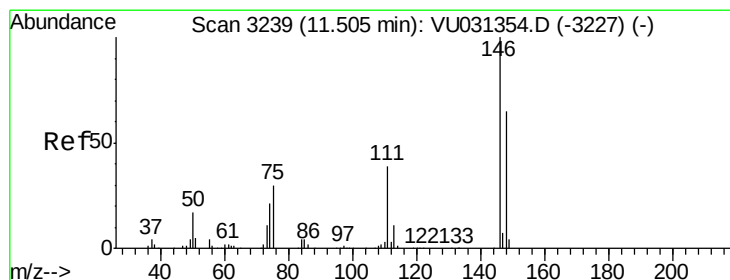
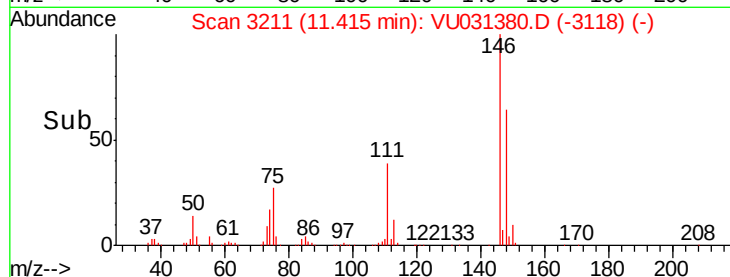
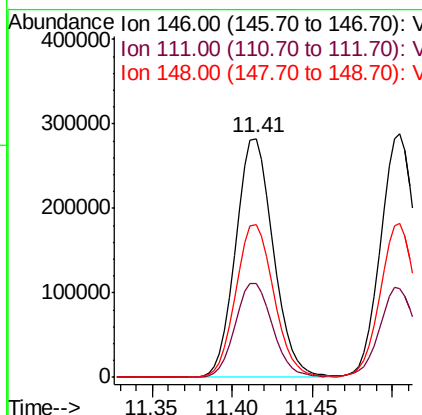
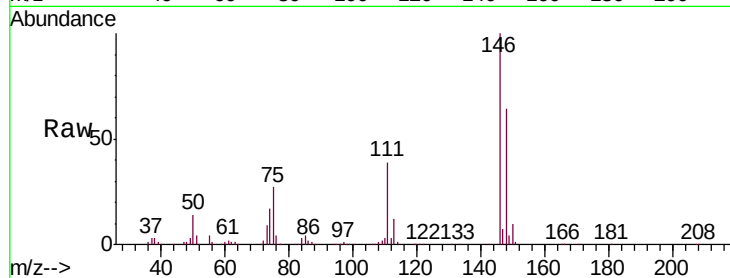




#62
 1,3-Dichlorobenzene
 Concen: 47.750 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

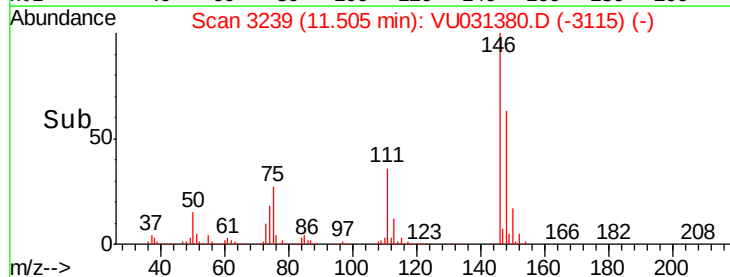
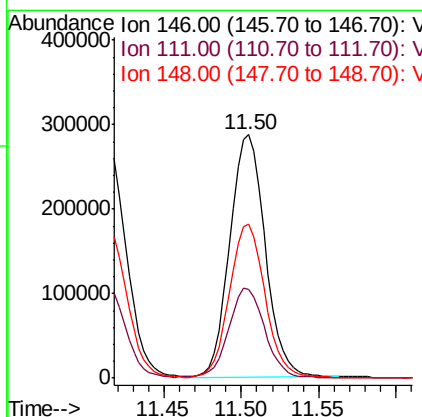
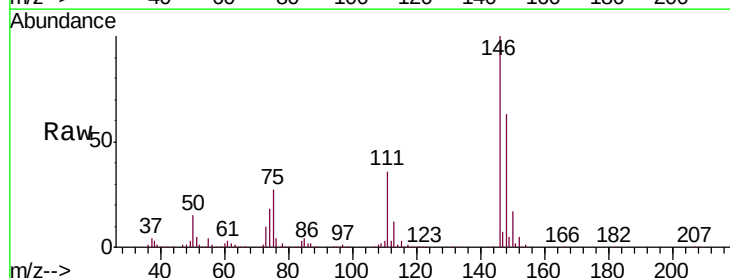
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

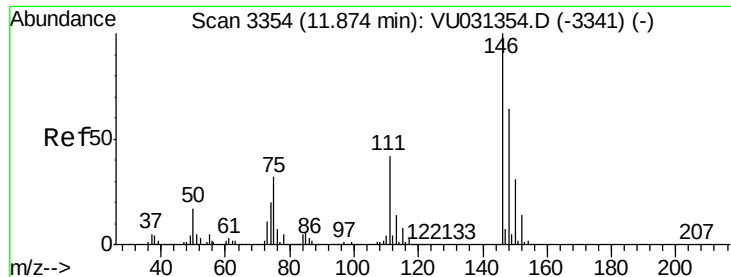
Tgt Ion:146 Resp: 453036
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.7 53.3
 148 64.1 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 47.934 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion:146 Resp: 455979
 Ion Ratio Lower Upper
 146 100
 111 36.4 27.4 50.8
 148 63.3 44.5 82.7

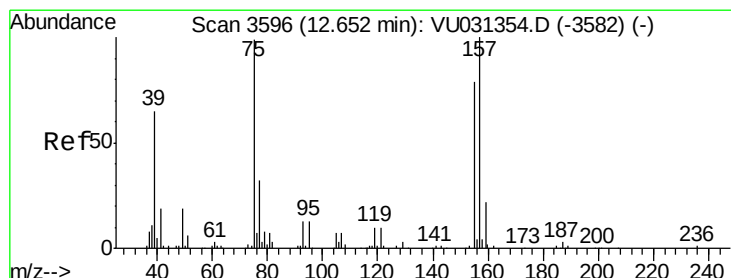
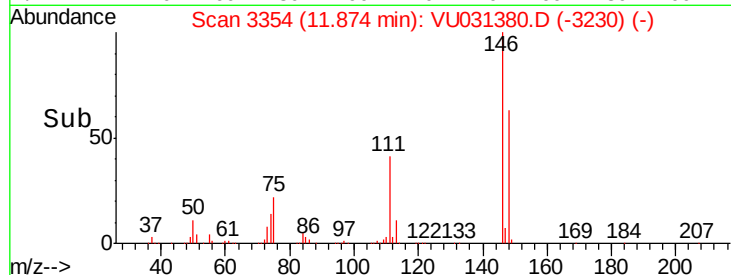
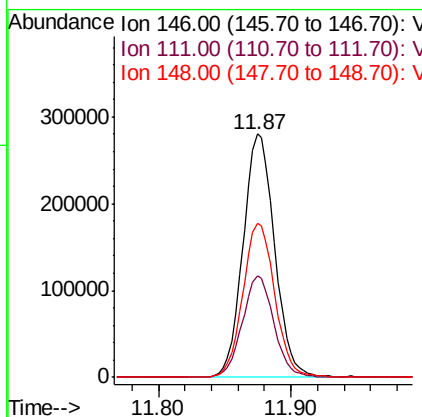
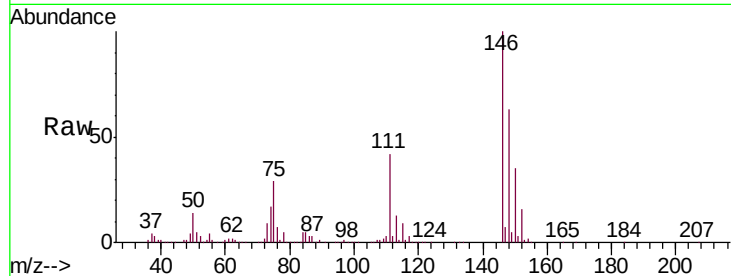




#65
 1,2-Dichlorobenzene
 Concen: 46.438 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

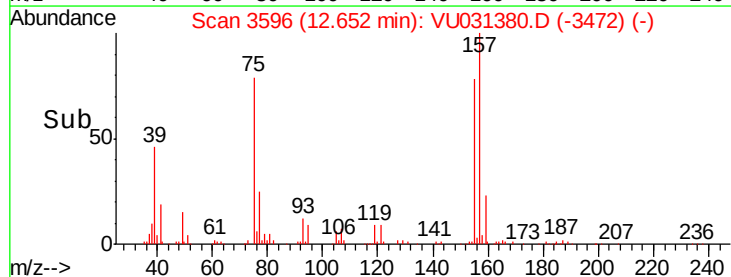
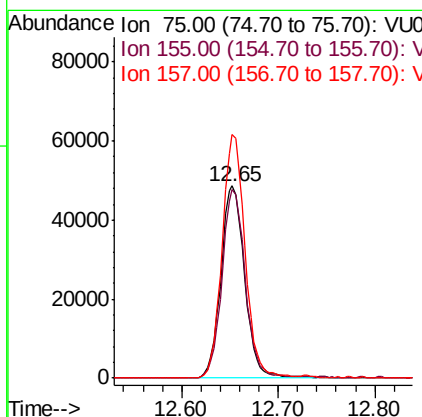
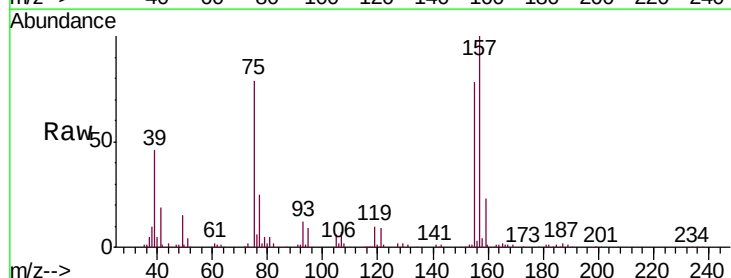
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

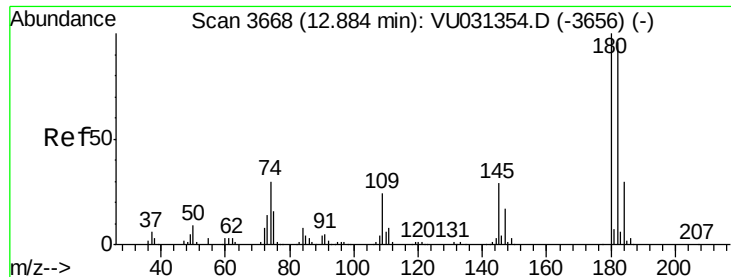
Tgt Ion: 146 Resp: 463424
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.4 50.2
 148 63.3 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.852 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion: 75 Resp: 83497
 Ion Ratio Lower Upper
 75 100
 155 98.2 66.7 100.1
 157 126.6 86.5 129.7

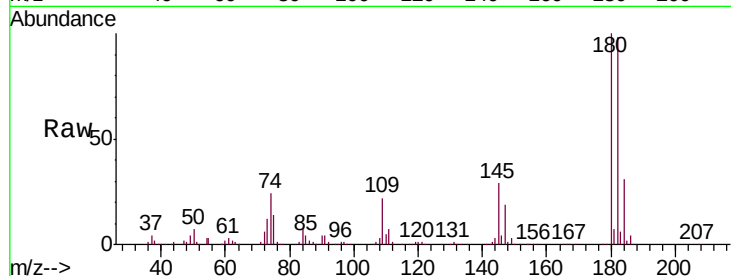




#67
 1,3,5-Trichlorobenzene
 Concen: 47.932 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.7	115.1
184	31.0	24.2	36.4
145	27.8	23.9	35.9



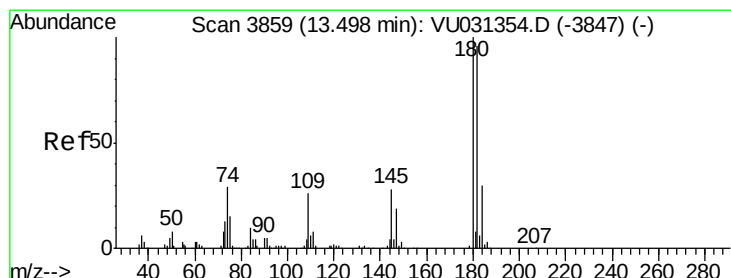
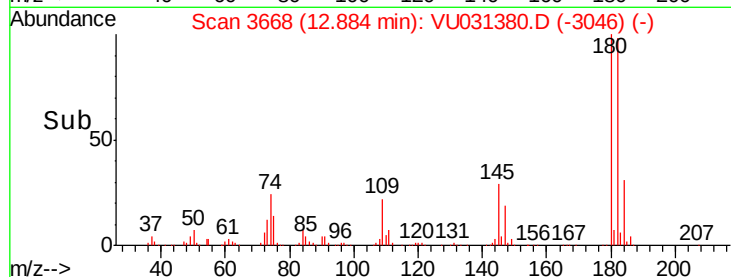
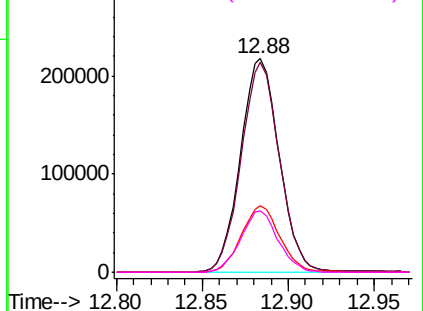
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

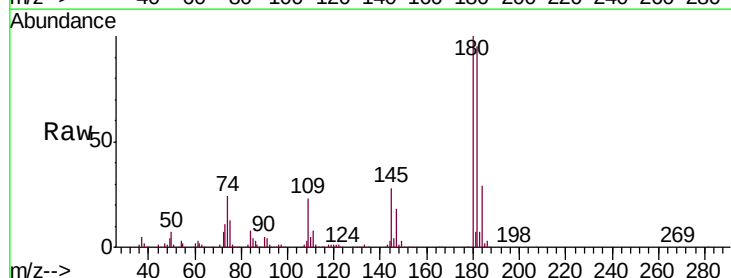
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.439 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031380.D
 Acq: 20 Apr 2019 00:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.5	113.3
145	28.8	23.1	34.7

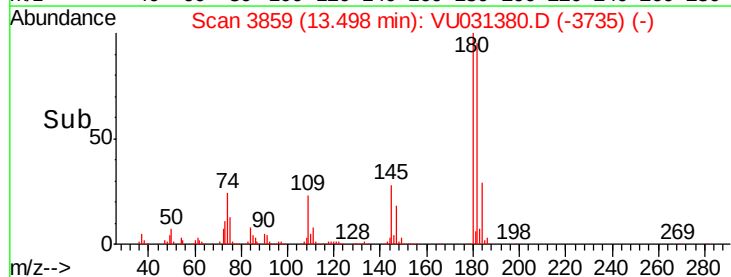
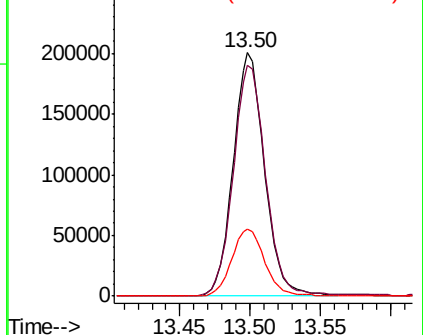


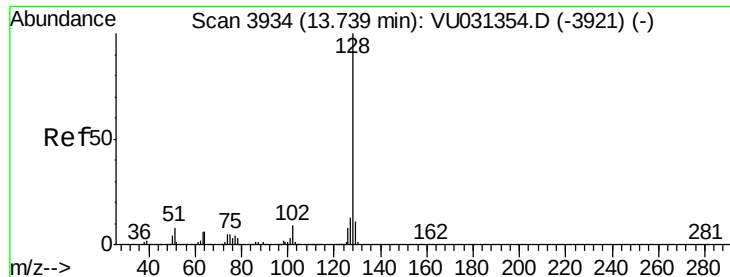
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 67.063 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

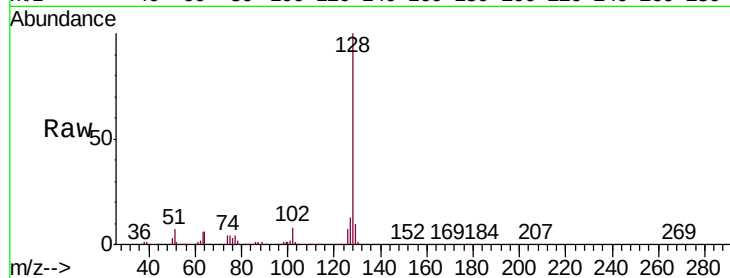
Tgt Ion:128 Resp: 1210774

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

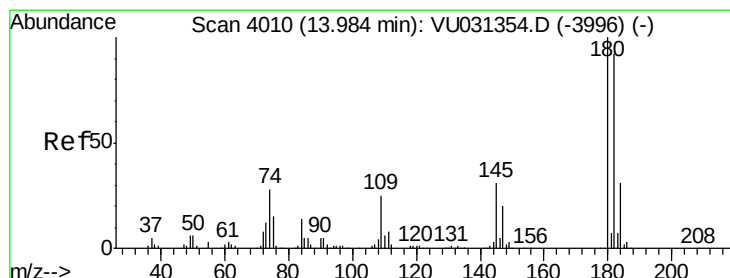
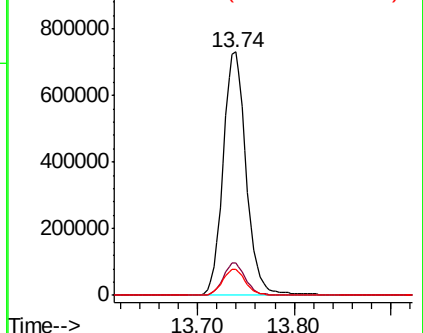
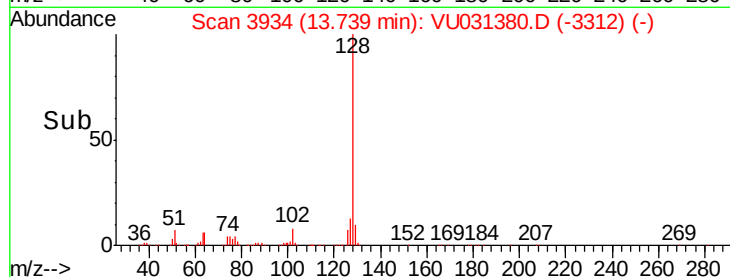
129 10.7 8.2 12.2



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: 53.430 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031380.D

Acq: 20 Apr 2019 00:10

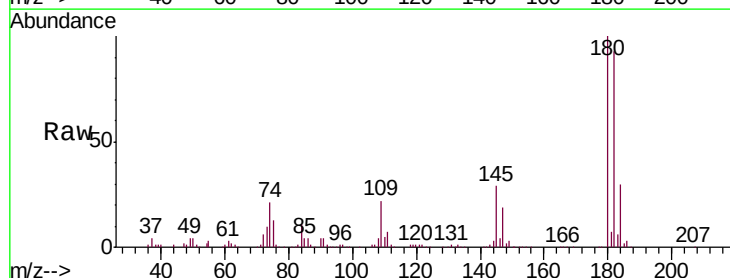
Tgt Ion:180 Resp: 333877

Ion Ratio Lower Upper

180 100

182 94.4 78.2 117.4

145 30.2 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

