

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030033.D
 Acq On : 13 Mar 2019 16:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: Mar 14 01:40:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 01:36:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	508808	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	492551	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	256327	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	152862	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.84%
7) Chloroethane-d5	1.68	69	130108	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.78%
11) 1,1-Dichloroethene-d2	2.27	63	299113	49.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.48%
21) 2-Butanone-d5	4.17	46	252151	100.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.00%
24) Chloroform-d	4.65	84	311048	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	5.31	65	178328	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.26%
32) Benzene-d6	5.34	84	659519	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
36) 1,2-Dichloropropane-d6	6.33	67	199061	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.60%
41) Toluene-d8	7.56	98	622376	52.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.84%
43) trans-1,3-Dichloropropene-	7.85	79	99873	53.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.26%
47) 2-Hexanone-d5	8.31	63	227899	104.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309785	51.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	259827	52.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	176891	55.021 ug/L	98
3) Chloromethane	1.33	50	191314	53.939 ug/L	100
5) Vinyl chloride	1.41	62	204977	52.719 ug/L	98
6) Bromomethane	1.62	94	122959	51.051 ug/L	99
8) Chloroethane	1.69	64	125191	49.127 ug/L	97
9) Trichlorofluoromethane	1.88	101	282805	54.236 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	185320	55.440 ug/L	98
12) 1,1-Dichloroethene	2.28	96	168469	52.827 ug/L	91
13) Acetone	2.32	43	223369	75.763 ug/L	100
14) Carbon disulfide	2.48	76	508599	51.455 ug/L	100
15) Methyl Acetate	2.61	43	193204	50.723 ug/L	98
16) Methylene chloride	2.70	84	196924	52.294 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	181031	52.126 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	542463	52.665 ug/L	99
19) 1,1-Dichloroethane	3.44	63	318054	53.339 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	206955	52.345 ug/L	98
22) 2-Butanone	4.26	43	295078	87.914 ug/L	99

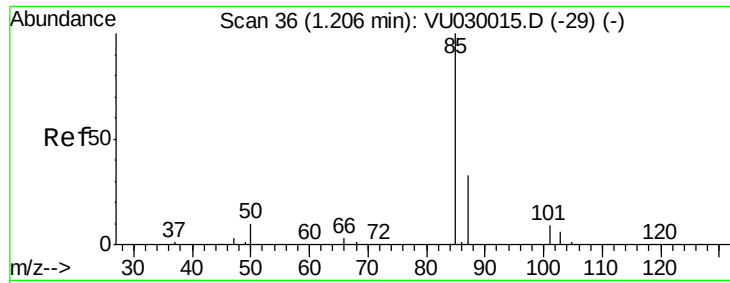
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
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 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 01:36:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	108320	52.889	ug/L	99
25) Chloroform	4.67	83	333114	53.226	ug/L	99
27) 1,2-Dichloroethane	5.40	62	236008	52.452	ug/L	98
29) Cyclohexane	4.99	56	295302	54.358	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	284577	52.923	ug/L	100
31) Carbon tetrachloride	5.13	117	254622	53.625	ug/L	98
33) Benzene	5.39	78	756402	53.666	ug/L	100
34) Trichloroethene	6.18	95	194282	52.594	ug/L	99
35) Methylcyclohexane	6.41	83	333086	55.605	ug/L	99
37) 1,2-Dichloropropane	6.43	63	194562	52.479	ug/L	100
38) Bromodichloromethane	6.75	83	247837	53.758	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	308272	53.432	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	510225	101.925	ug/L	100
42) Toluene	7.63	91	818095	53.386	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	281777	53.490	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	196196	52.916	ug/L	99
46) Tetrachloroethene	8.22	164	177140	54.796	ug/L	99
48) 2-Hexanone	8.36	43	417449	97.750	ug/L	99
49) Dibromochloromethane	8.47	129	222869	53.801	ug/L	96
50) 1,2-Dibromoethane	8.58	107	213387	52.214	ug/L	96
51) Chlorobenzene	9.12	112	541337	52.397	ug/L	98
52) Ethylbenzene	9.25	91	904224	53.600	ug/L	100
53) m,p-Xylene	9.37	106	352613	54.024	ug/L	99
54) o-xylene	9.77	106	348138	54.304	ug/L	97
55) Styrene	9.79	104	594165	54.430	ug/L	98
56) Isopropylbenzene	10.16	105	912751	54.383	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	338809	53.241	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	249306	51.634	ug/L	100
61) Bromoform	9.95	173	173182	54.279	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	437744	52.881	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	443807	52.726	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	451283	54.160	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	70495	52.063	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	341562	53.160	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	310734	52.871	ug/L	99
69) Naphthalene	13.74	128	1008966	52.839	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	322718	52.857	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 55.021 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

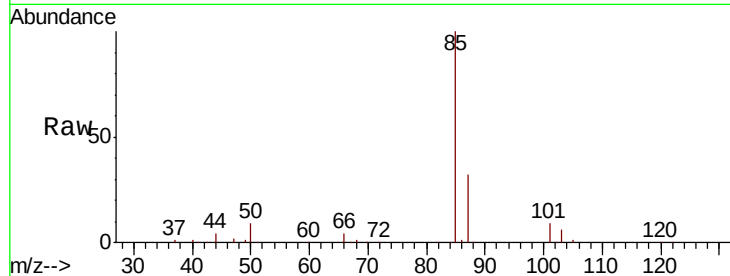
VSTD05033

Tgt Ion: 85 Resp: 176891

Ion Ratio Lower Upper

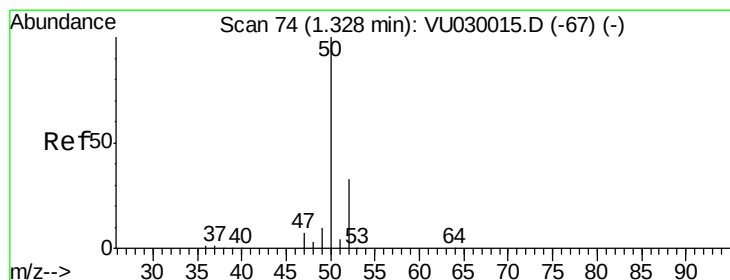
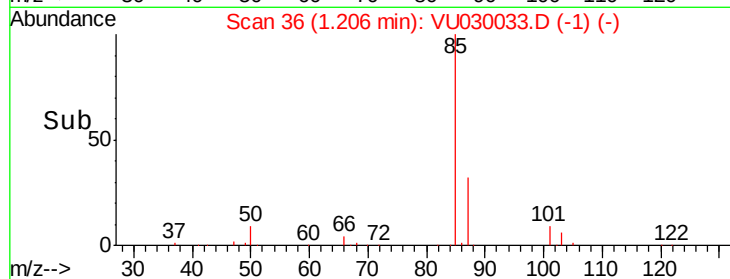
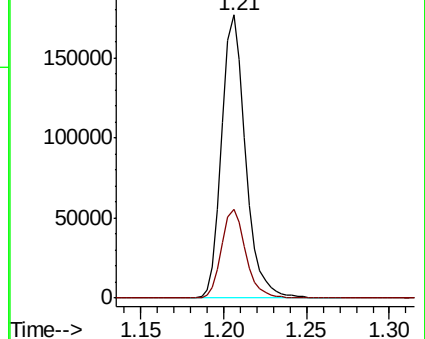
85 100

87 31.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU030033.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030033.D (-1) (-)



#3

Chloromethane

Concen: 53.939 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030033.D

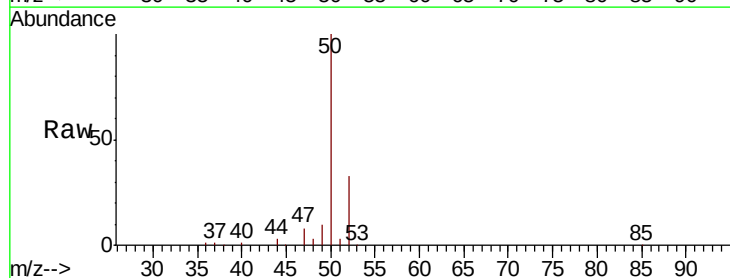
Acq: 13 Mar 2019 16:37

Tgt Ion: 50 Resp: 191314

Ion Ratio Lower Upper

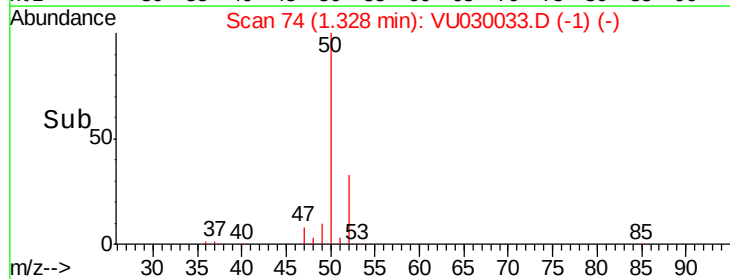
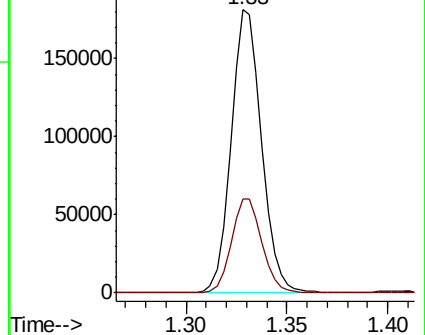
50 100

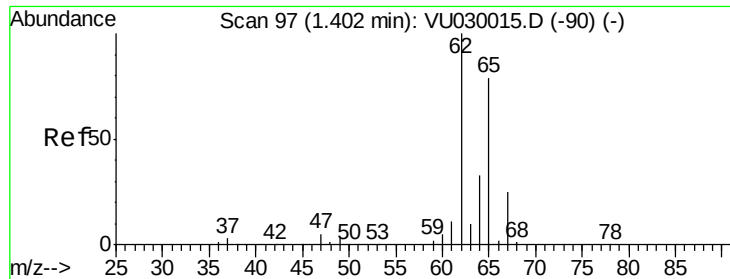
52 33.4 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030033.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030033.D (-1) (-)





#5

Vinyl chloride

Concen: 52.719 ug/L

RT: 1.41 min Scan# 98

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

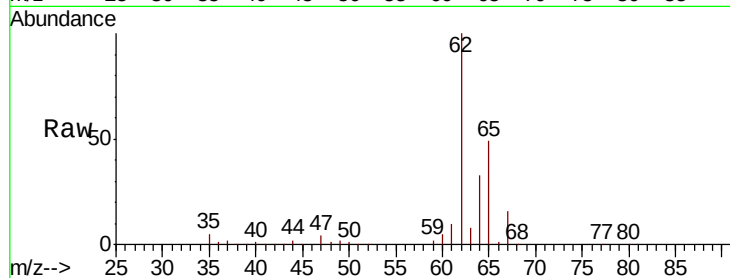
VSTD05033

Tgt Ion: 62 Resp: 204977

Ion Ratio Lower Upper

62 100

64 32.7 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

200000

150000

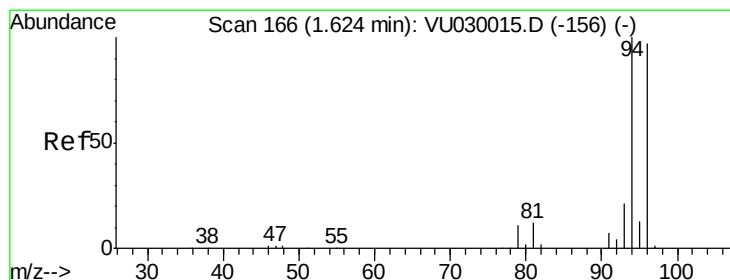
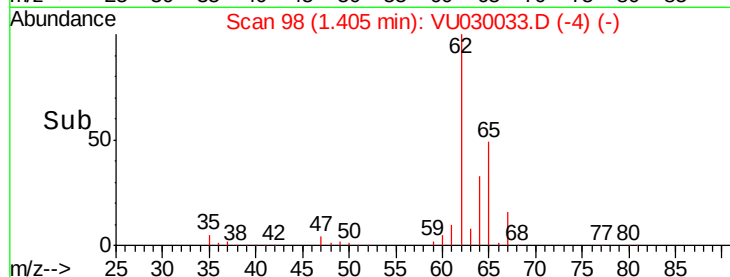
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 51.051 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU030033.D

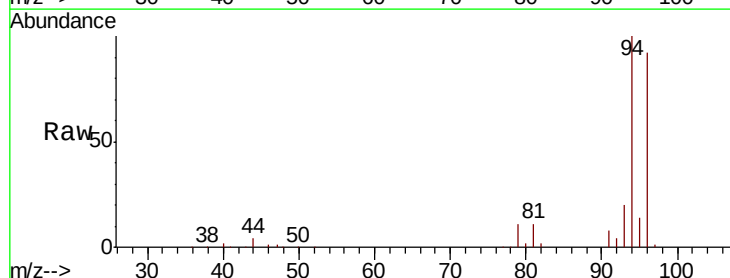
Acq: 13 Mar 2019 16:37

Tgt Ion: 94 Resp: 122959

Ion Ratio Lower Upper

94 100

96 92.3 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

100000

80000

60000

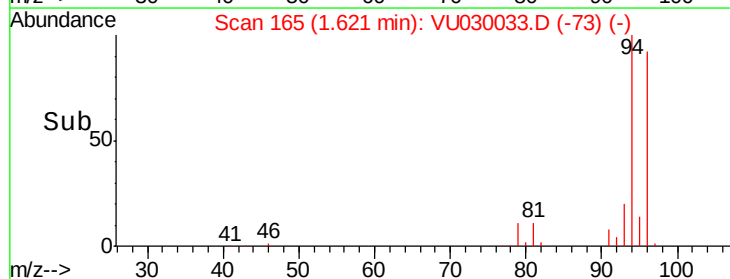
40000

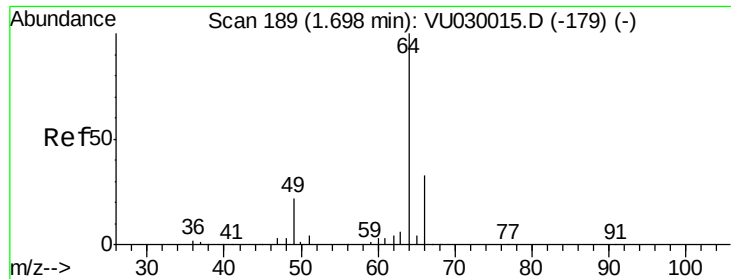
20000

0

1.55 1.60 1.65 1.70

Time-->

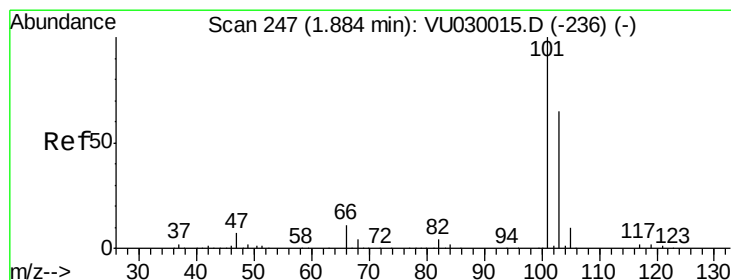
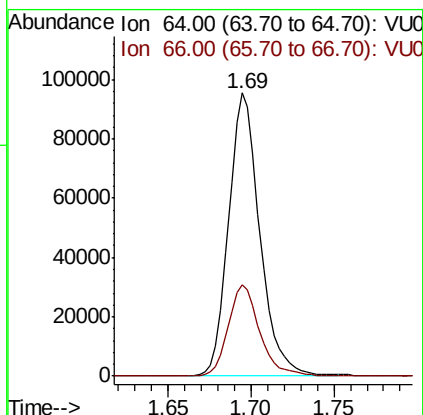
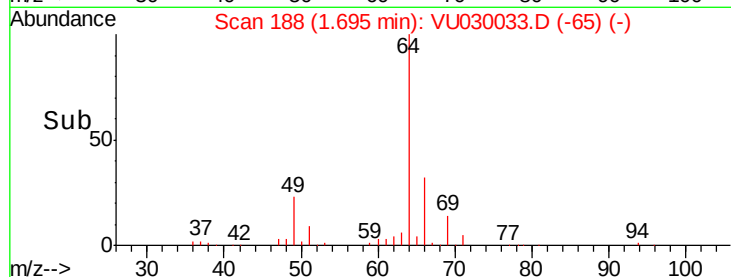
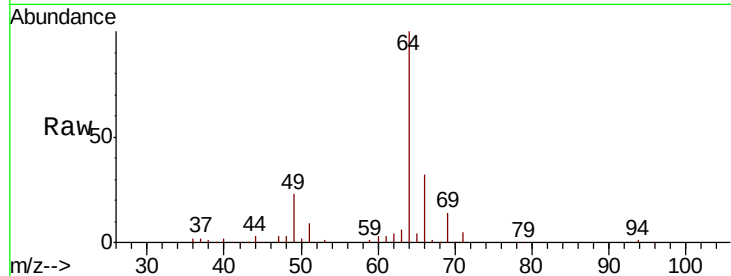




#8
Chloroethane
Concen: 49.127 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

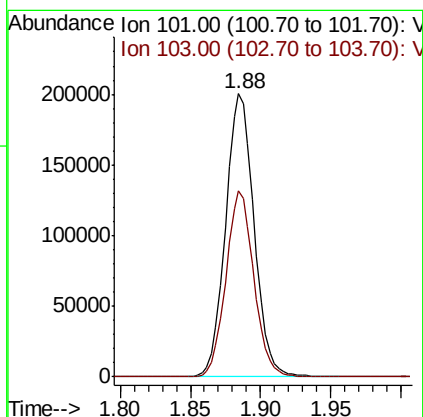
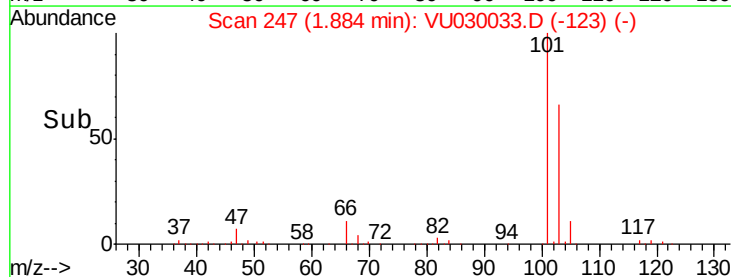
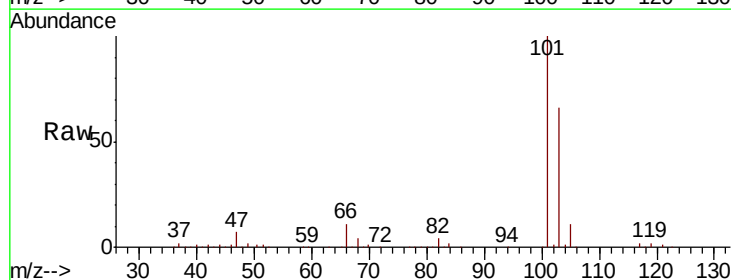
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

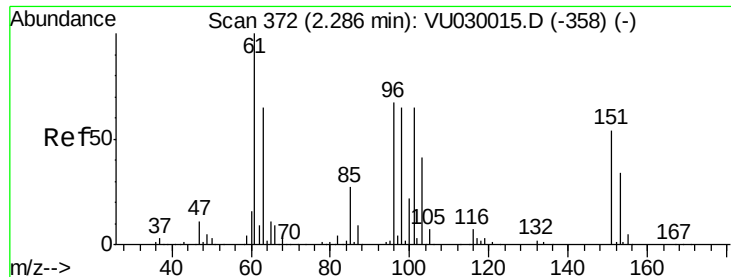
Tgt Ion: 64 Resp: 125191
Ion Ratio Lower Upper
64 100
66 32.3 21.3 39.6



#9
Trichlorofluoromethane
Concen: 54.236 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

Tgt Ion: 101 Resp: 282805
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7





#10

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

Concen: 55.440 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

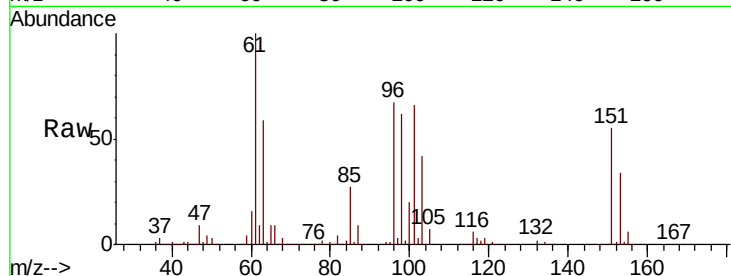
Tgt Ion: 101 Resp: 185320

Ion Ratio Lower Upper

101 100

85 40.5 33.0 49.4

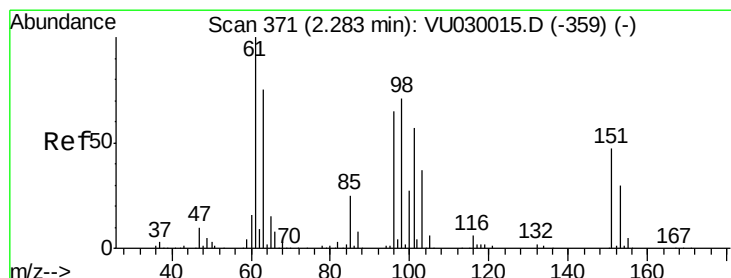
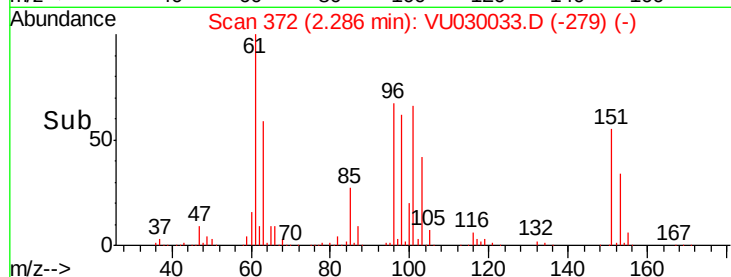
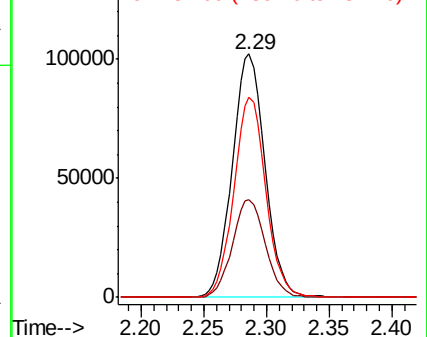
151 80.3 66.1 99.1



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: 52.827 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

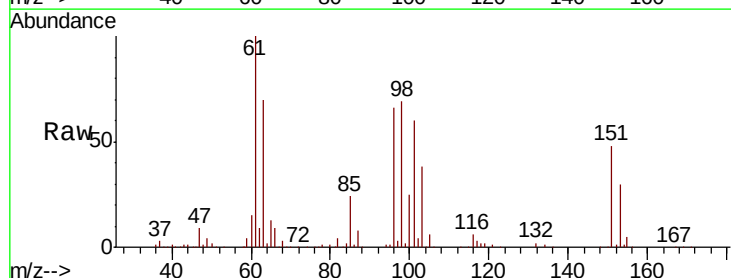
Tgt Ion: 96 Resp: 168469

Ion Ratio Lower Upper

96 100

61 152.4 110.4 205.0

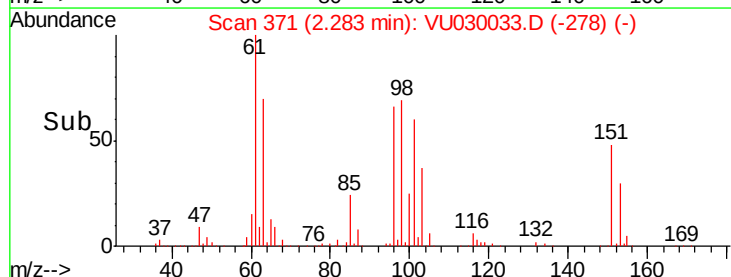
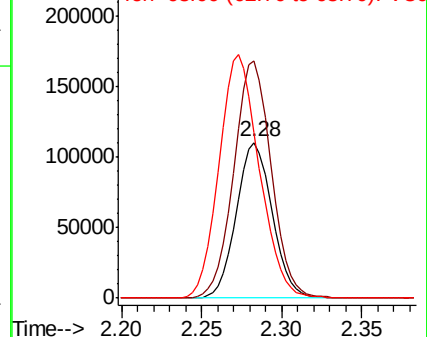
63 106.8 86.5 160.7

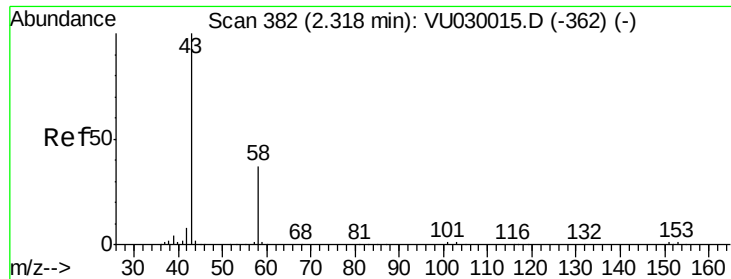


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 75.763 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

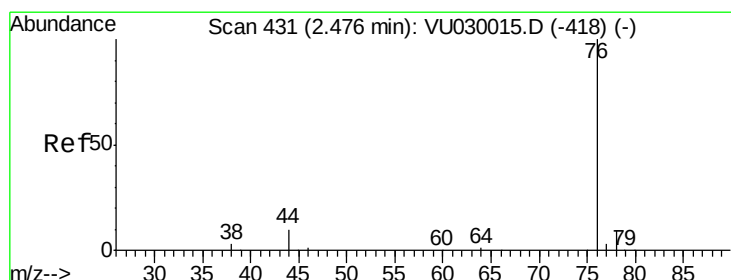
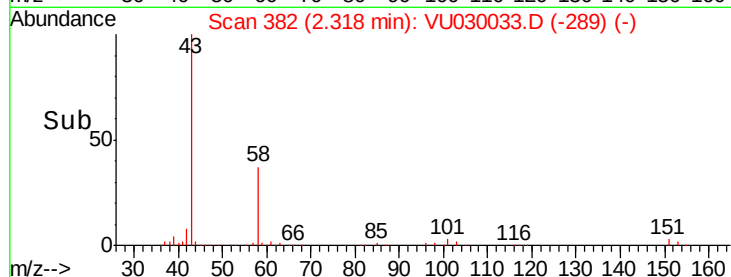
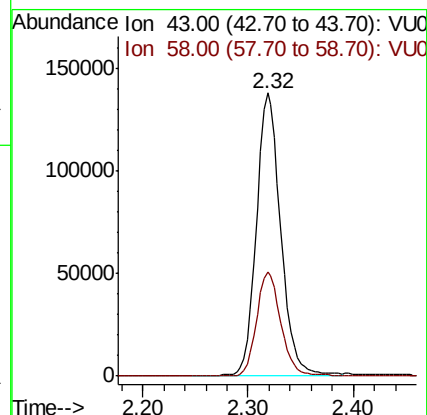
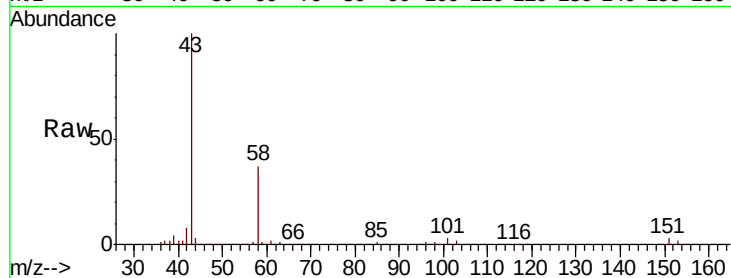
VSTD05033

Tgt Ion: 43 Resp: 223369

Ion Ratio Lower Upper

43 100

58 36.4 0.0 73.0



#14

Carbon disulfide

Concen: 51.455 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030033.D

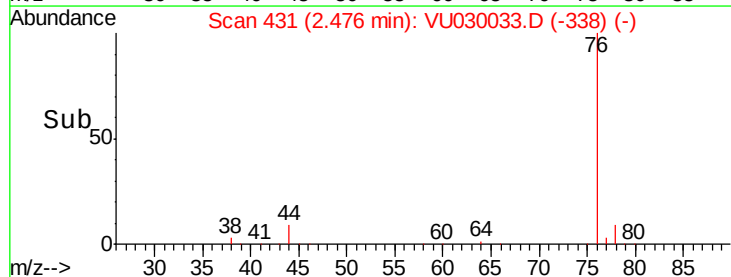
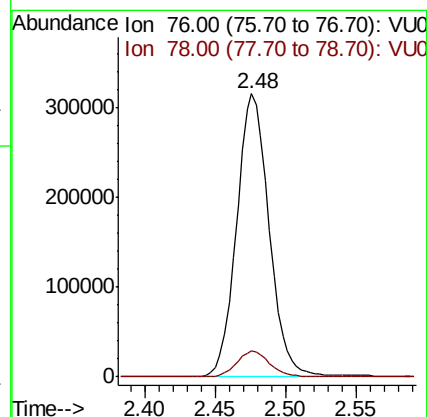
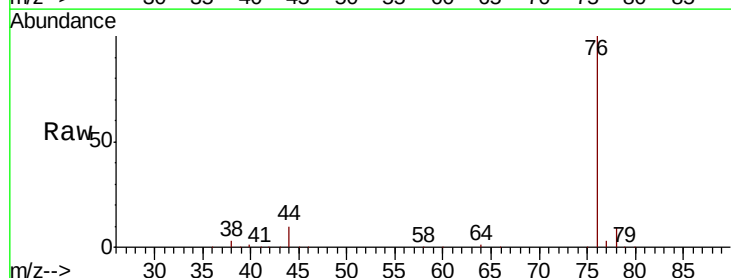
Acq: 13 Mar 2019 16:37

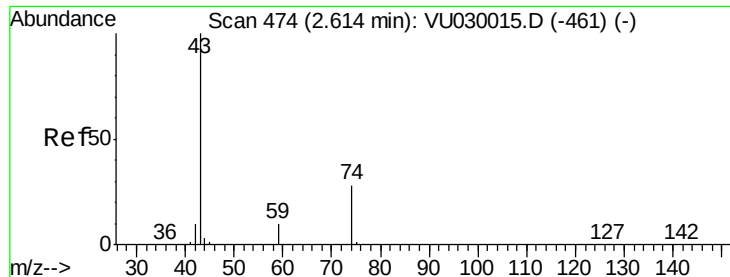
Tgt Ion: 76 Resp: 508599

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

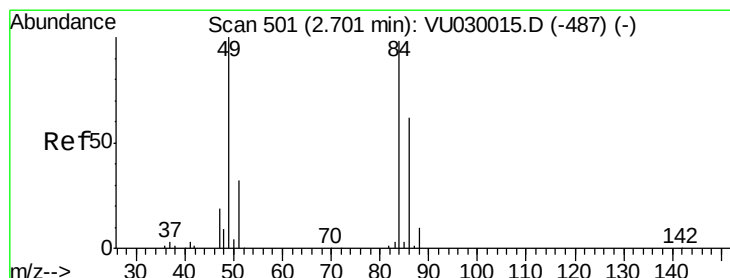
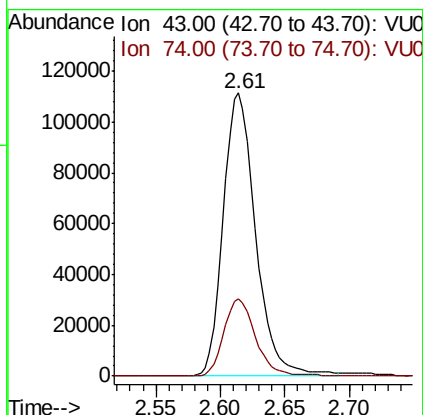
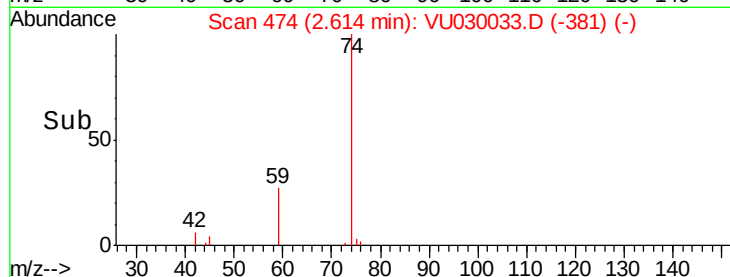
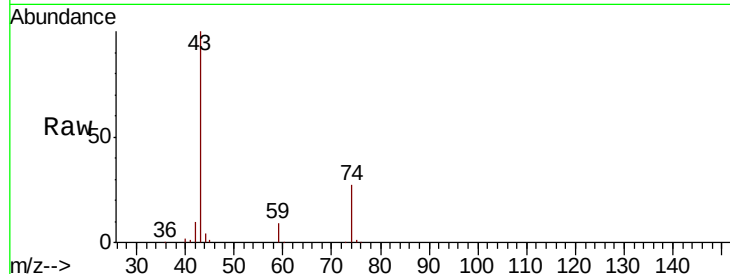




#15
Methyl Acetate
Concen: 50.723 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

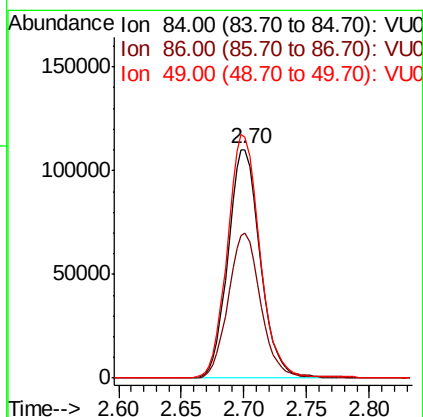
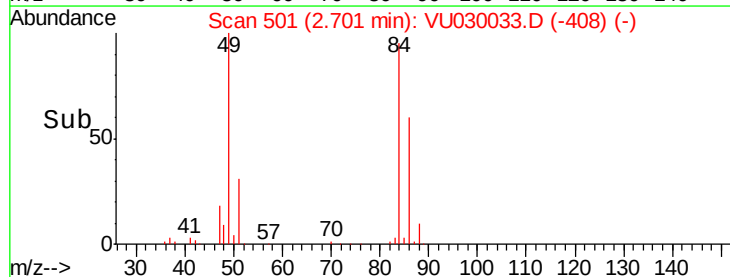
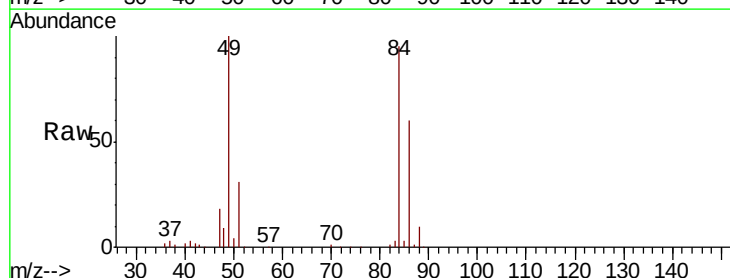
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

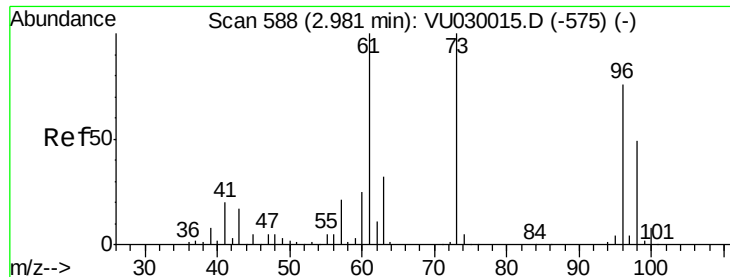
Tgt Ion: 43 Resp: 193204
Ion Ratio Lower Upper
43 100
74 26.5 21.9 32.9



#16
Methylene chloride
Concen: 52.294 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

Tgt Ion: 84 Resp: 196924
Ion Ratio Lower Upper
84 100
86 63.3 45.2 84.0
49 105.6 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 52.126 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

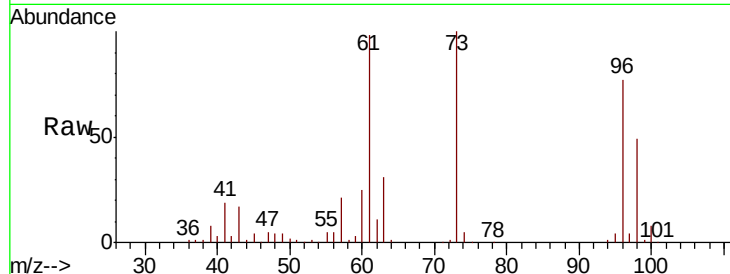
Tgt Ion: 96 Resp: 181031

Ion Ratio Lower Upper

96 100

61 128.6 89.4 166.0

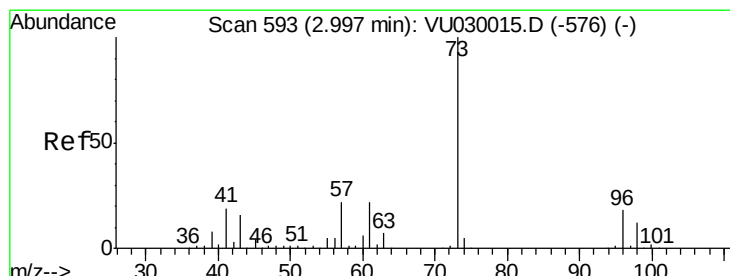
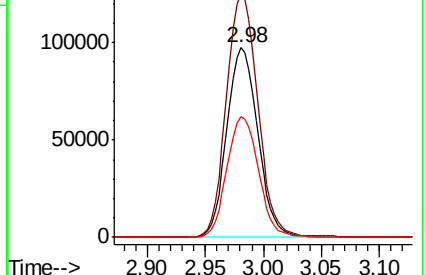
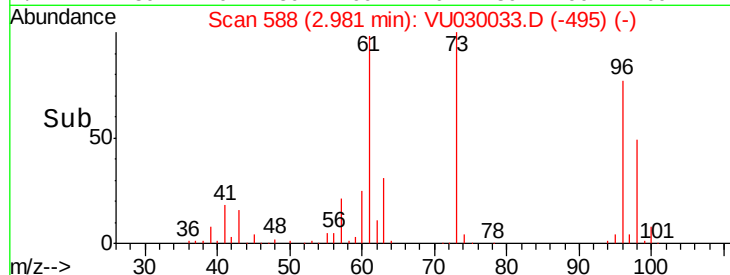
98 63.7 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VU030033.D (-495) (-)

Ion 61.00 (60.70 to 61.70): VU030033.D (-495) (-)

Ion 98.00 (97.70 to 98.70): VU030033.D (-495) (-)



#18

Methyl tert-butyl Ether

Concen: 52.665 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

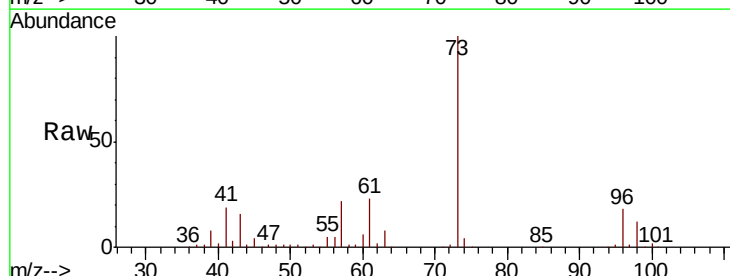
Tgt Ion: 73 Resp: 542463

Ion Ratio Lower Upper

73 100

43 16.2 13.1 19.7

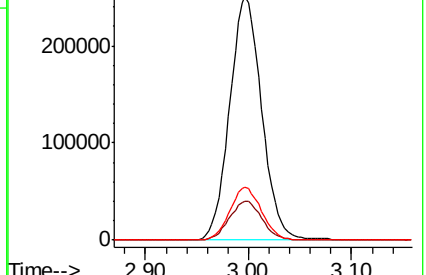
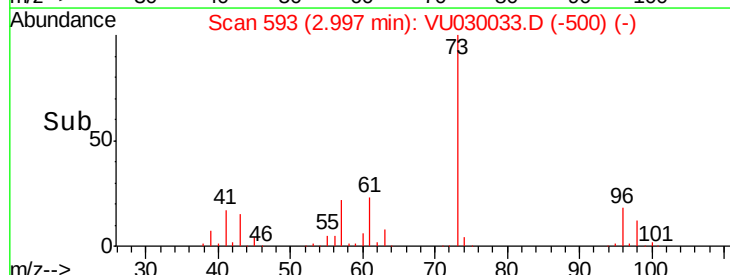
57 21.7 17.1 25.7

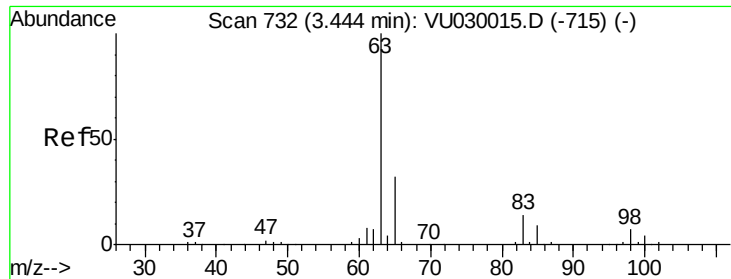


Abundance Ion 73.00 (72.70 to 73.70): VU030033.D (-500) (-)

Ion 43.00 (42.70 to 43.70): VU030033.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU030033.D (-500) (-)

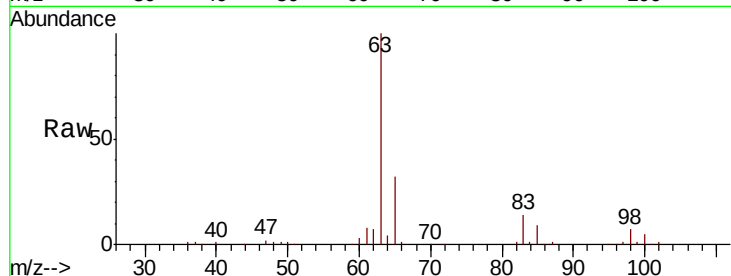




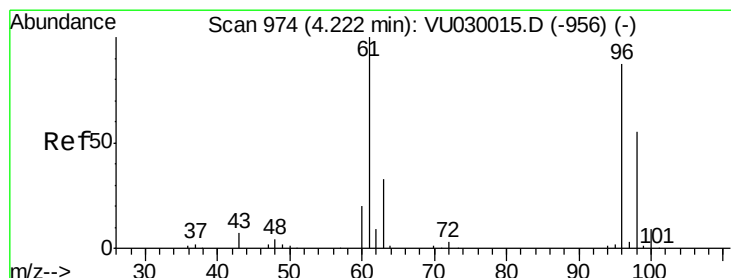
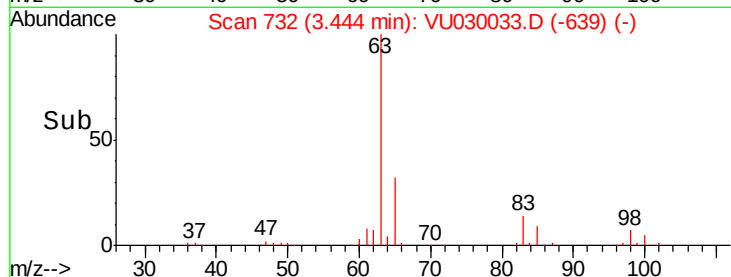
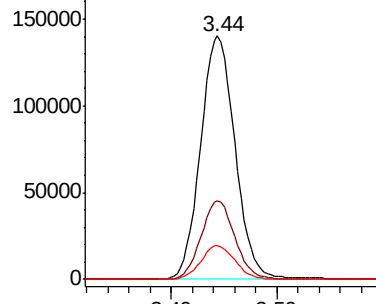
#19
 1,1-Dichloroethane
 Concen: 53.339 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion: 63 Resp: 318054
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.0 41.0
 83 13.9 9.7 18.1

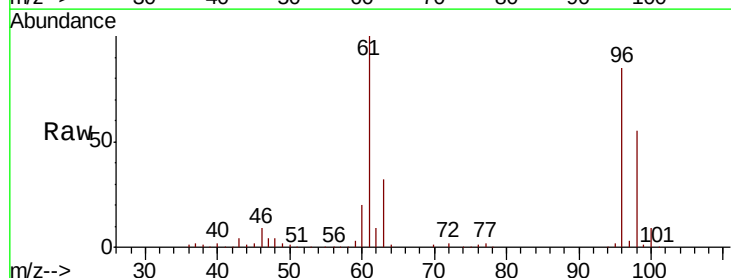


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

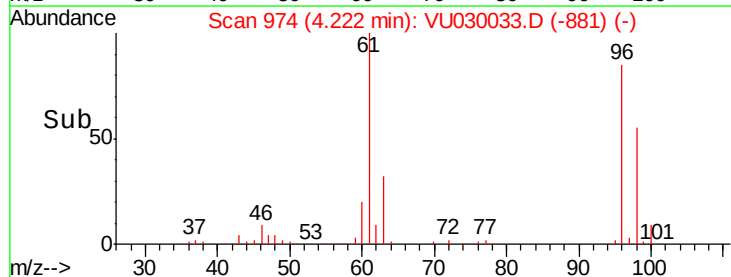
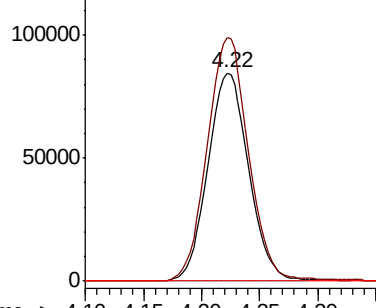


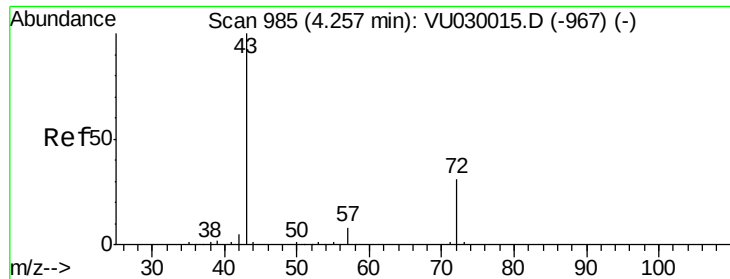
#20
 cis-1,2-Dichloroethene
 Concen: 52.345 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Tgt Ion: 96 Resp: 206955
 Ion Ratio Lower Upper
 96 100
 61 117.1 80.8 150.2
 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: 87.914 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

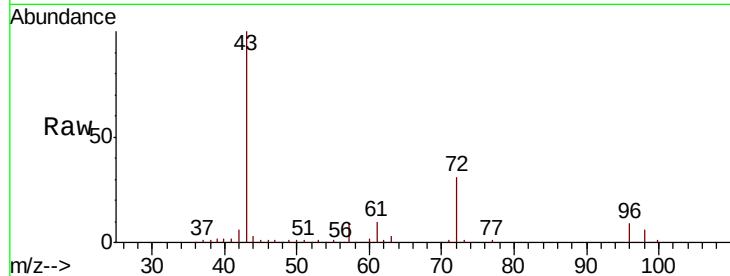
VSTD05033

Tgt Ion: 43 Resp: 295078

Ion Ratio Lower Upper

43 100

72 31.1 15.3 45.9



Abundance Ion 43.00 (42.70 to 43.70): VU030015.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU030015.D (-967) (-)

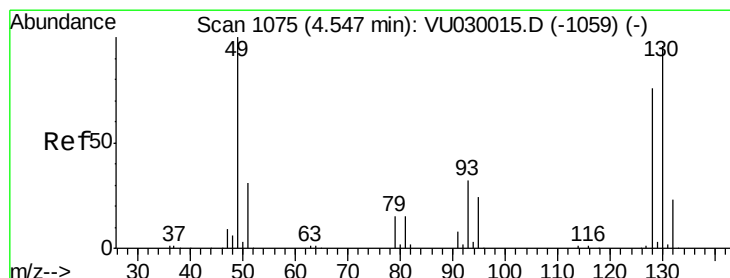
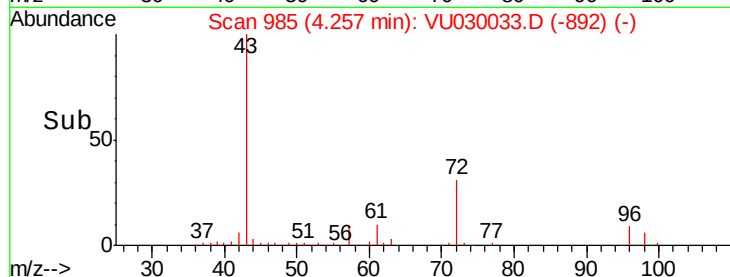
4.26

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 52.889 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Tgt Ion: 128 Resp: 108320

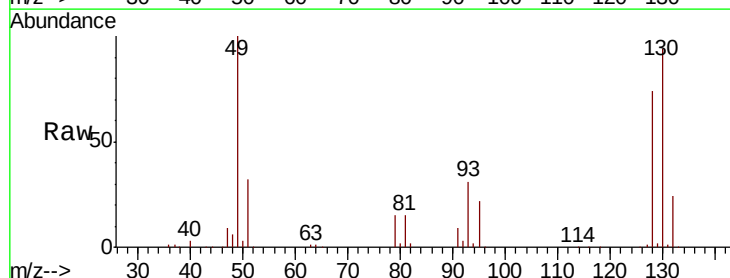
Ion Ratio Lower Upper

128 100

49 135.3 94.5 175.5

130 127.8 91.4 169.8

51 42.7 34.2 51.2



Abundance Ion 128.00 (127.70 to 128.70): VU030015.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU030015.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU030015.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU030015.D (-1059) (-)

4.55

80000

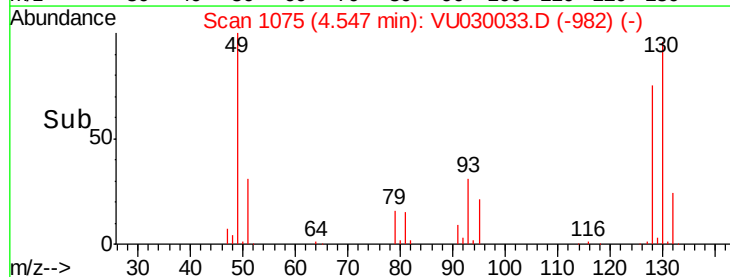
60000

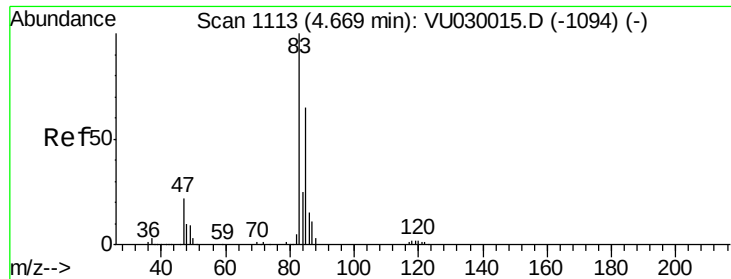
40000

20000

0

Time-->

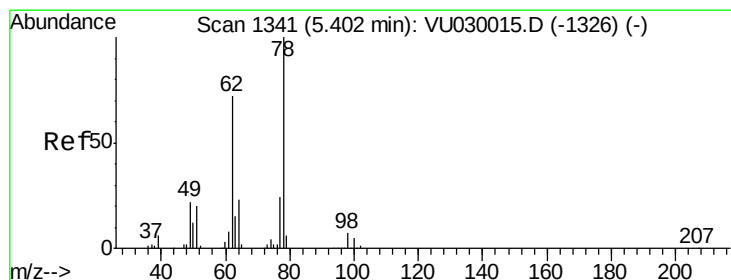
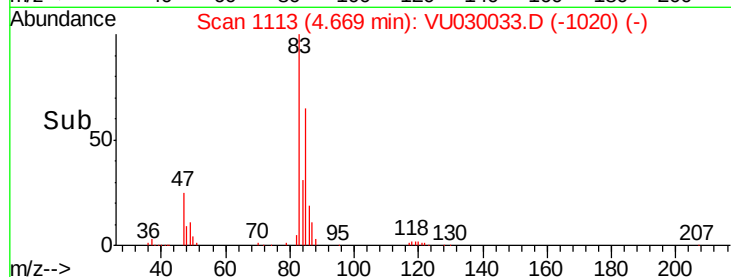
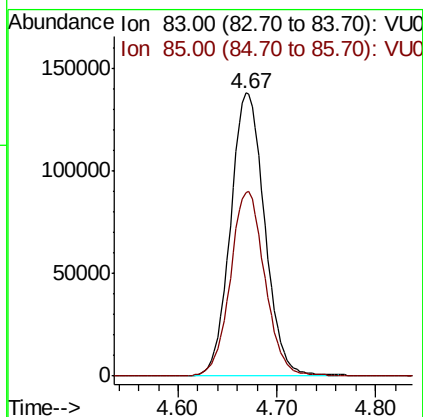
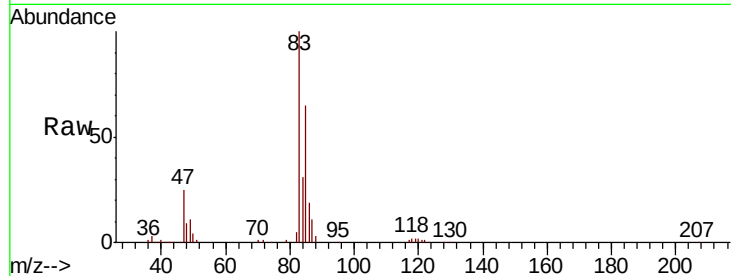




#25
Chloroform
Concen: 53.226 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

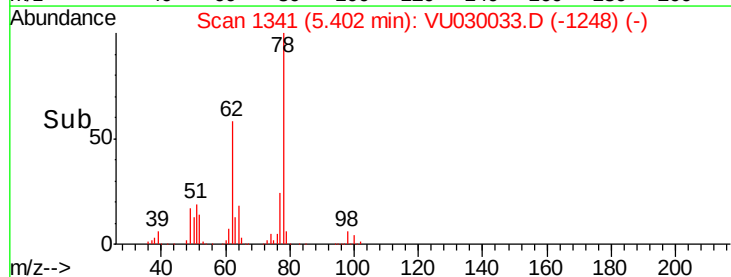
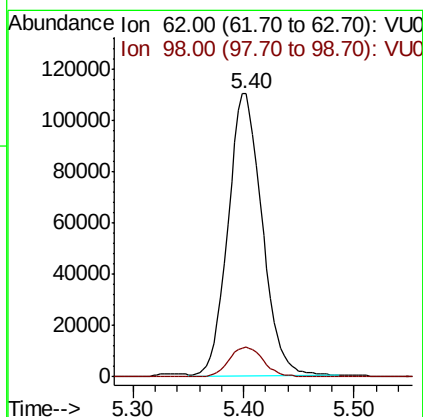
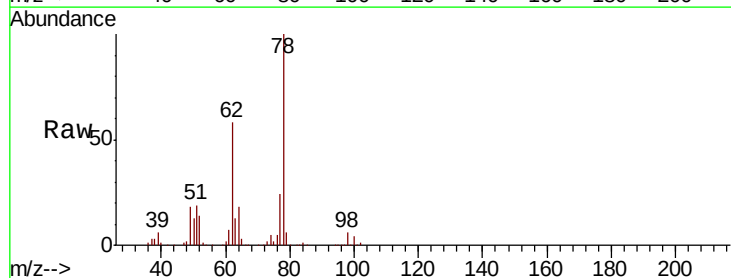
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

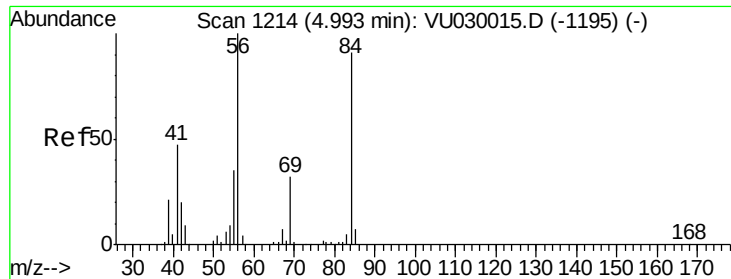
Tgt Ion: 83 Resp: 333114
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 52.452 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

Tgt Ion: 62 Resp: 236008
Ion Ratio Lower Upper
62 100
98 10.4 8.8 13.2

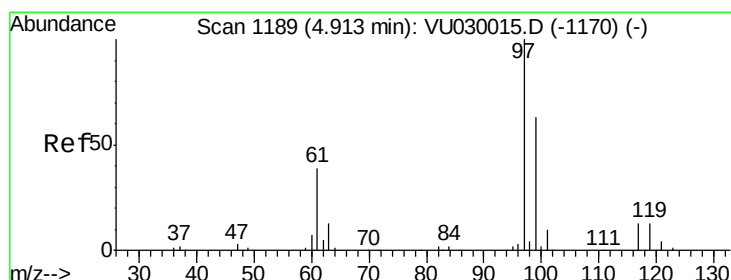
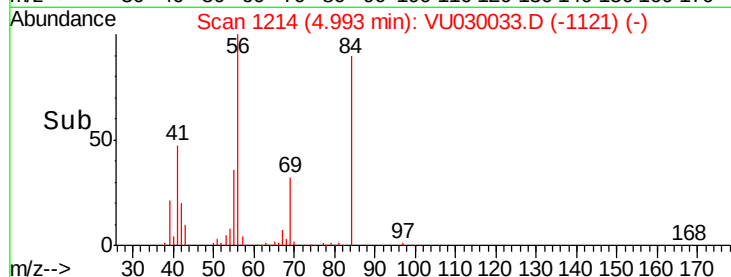
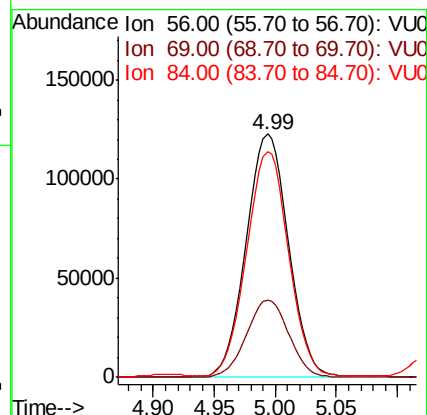
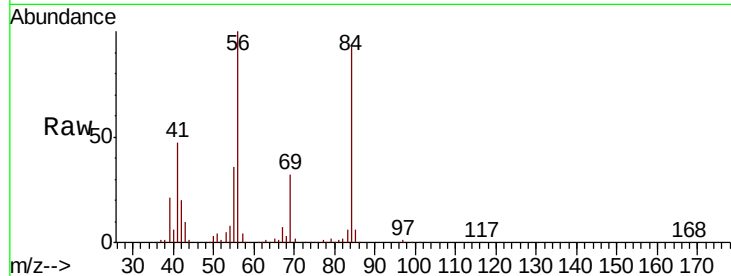




#29
Cyclohexane
Concen: 54.358 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

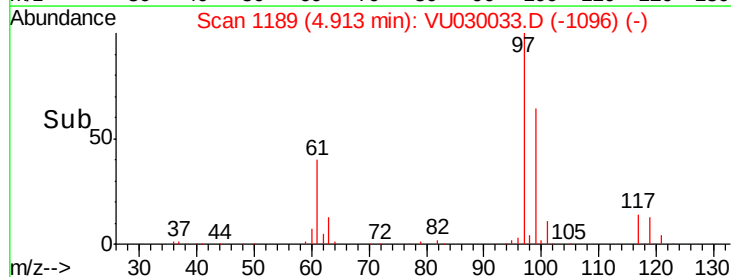
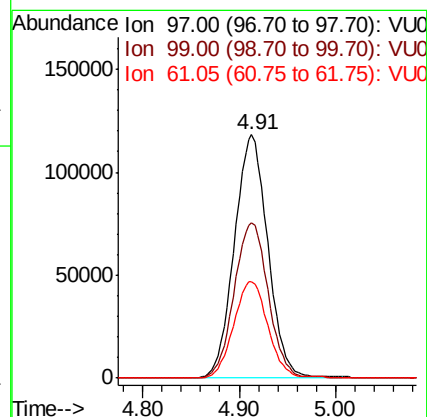
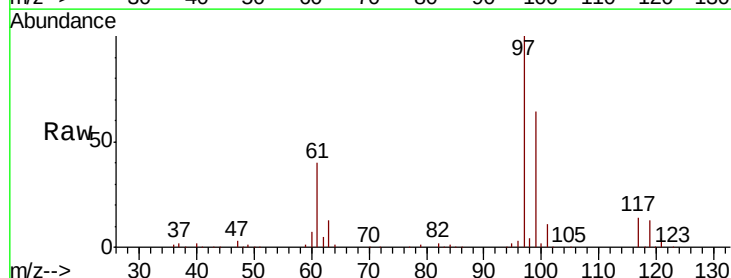
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

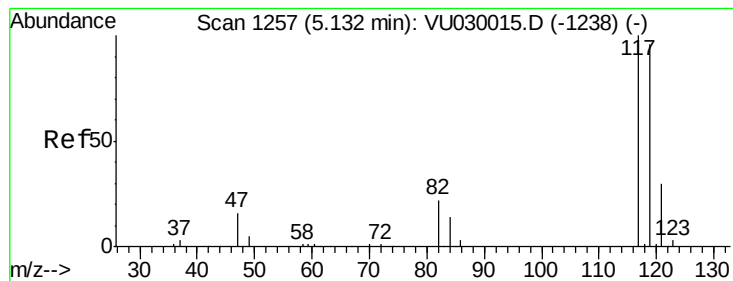
Tgt Ion: 56 Resp: 295302
Ion Ratio Lower Upper
56 100
69 31.8 25.3 37.9
84 91.4 73.5 110.3



#30
1,1,1-Trichloroethane
Concen: 52.923 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

Tgt Ion: 97 Resp: 284577
Ion Ratio Lower Upper
97 100
99 65.1 52.2 78.2
61 40.4 32.2 48.4





#31

Carbon tetrachloride

Concen: 53.625 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

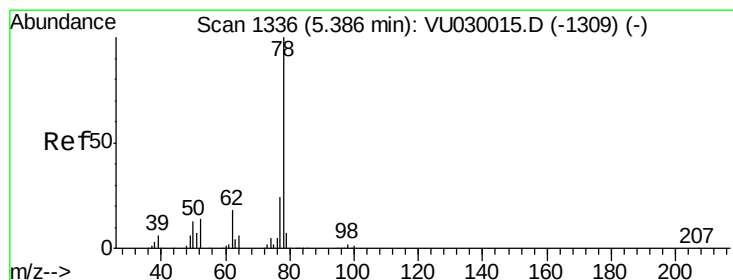
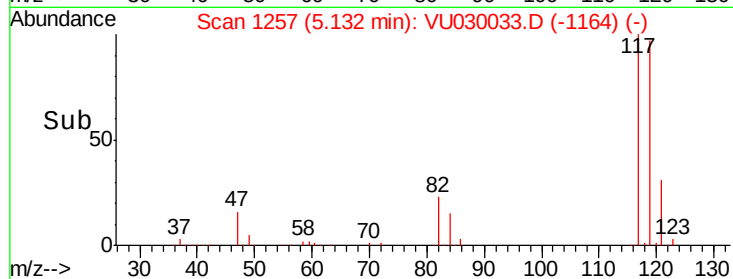
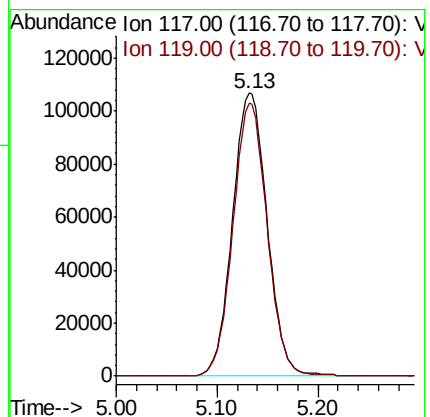
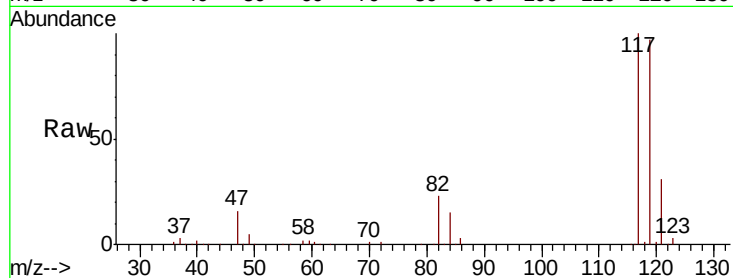
VSTD05033

Tgt Ion:117 Resp: 254622

Ion Ratio Lower Upper

117 100

119 94.9 77.3 115.9



#33

Benzene

Concen: 53.666 ug/L

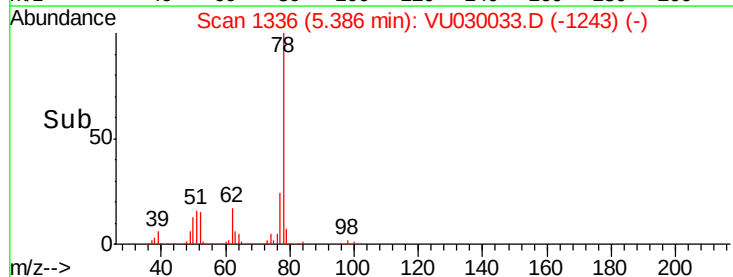
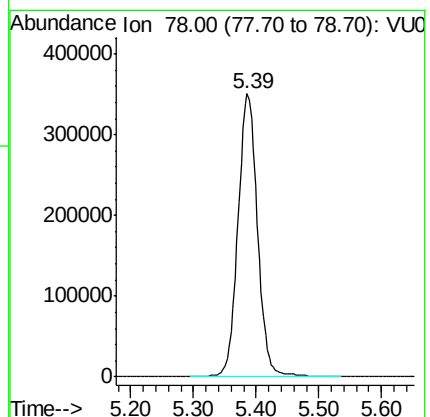
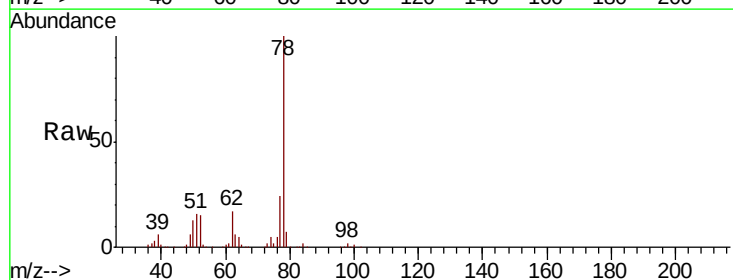
RT: 5.39 min Scan# 1336

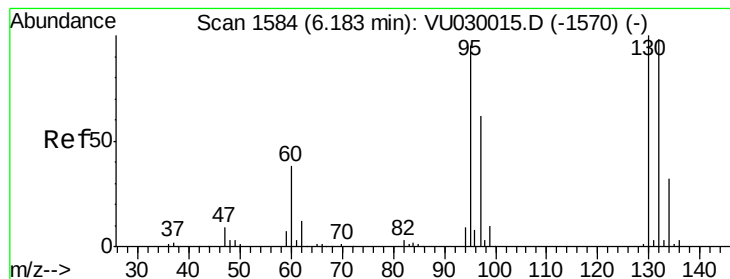
Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Tgt Ion: 78 Resp: 756402





#34

Trichloroethene

Concen: 52.594 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

Tgt Ion: 95 Resp: 194282

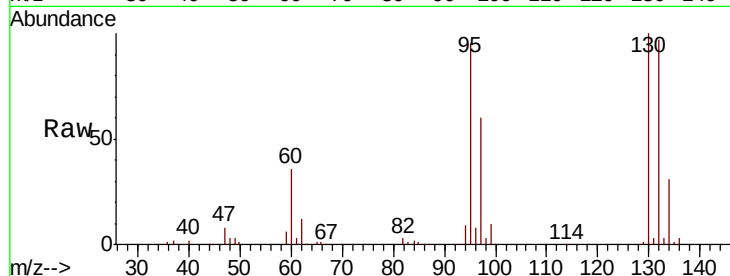
Ion Ratio Lower Upper

95 100

97 62.9 45.5 84.5

132 101.5 71.5 132.7

130 105.1 73.5 136.5

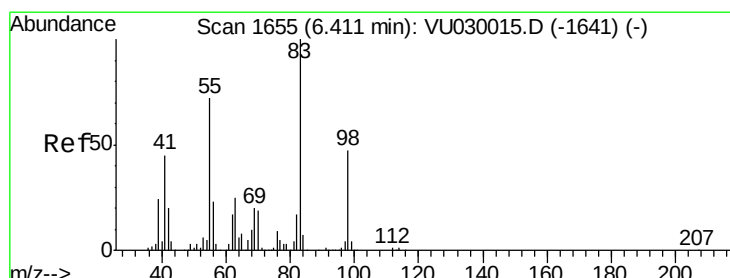
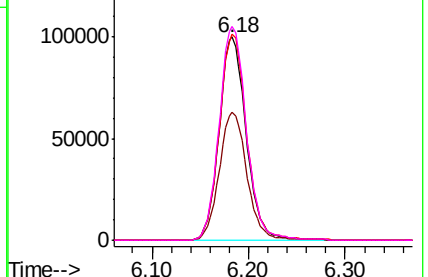
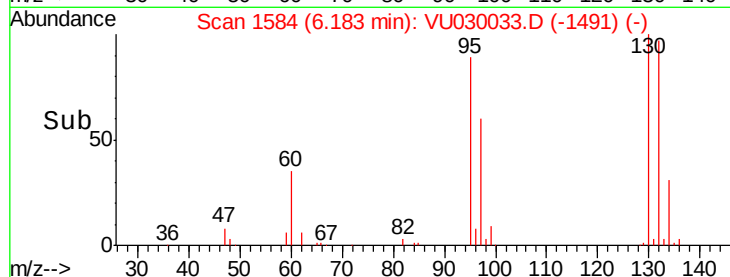


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 55.605 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

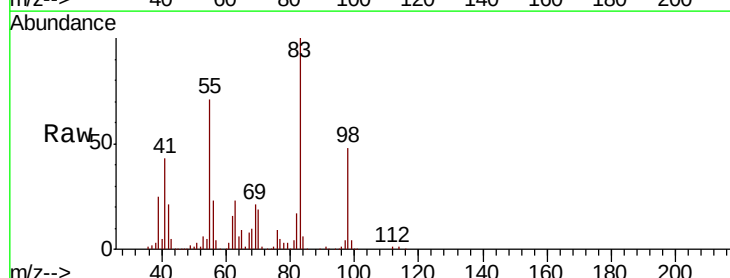
Tgt Ion: 83 Resp: 333086

Ion Ratio Lower Upper

83 100

55 71.4 56.6 84.8

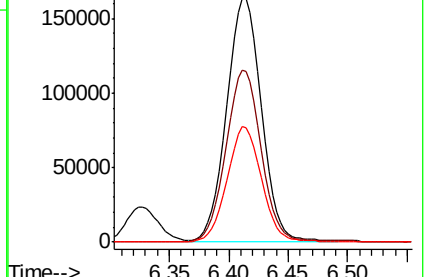
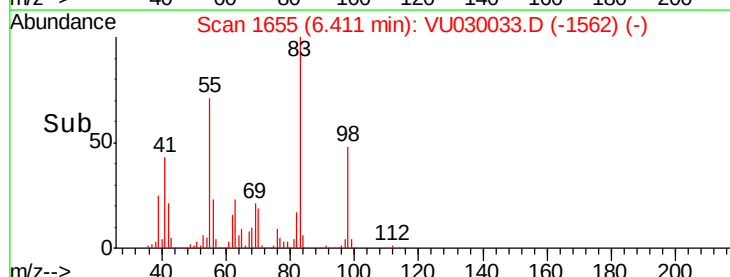
98 47.0 37.8 56.6

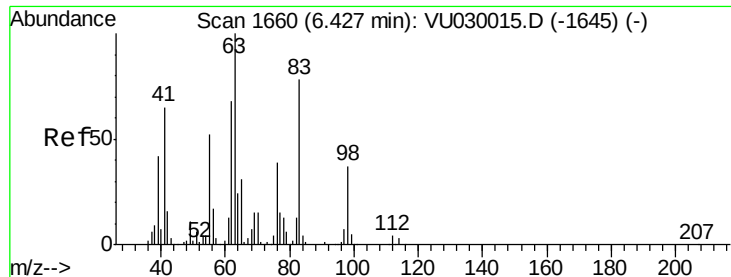


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

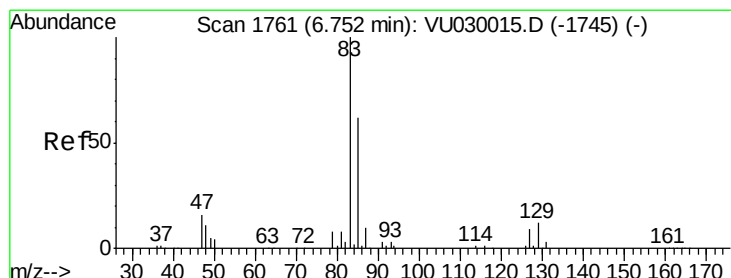
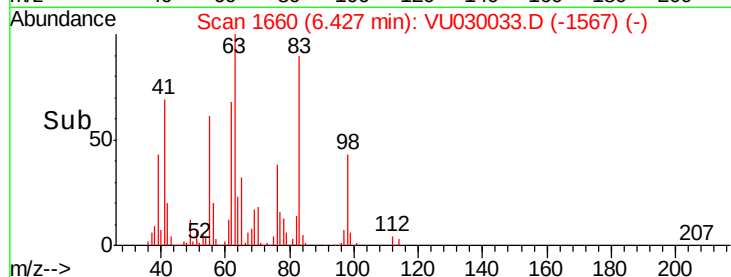
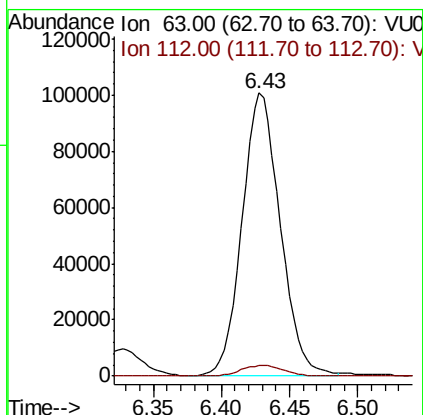
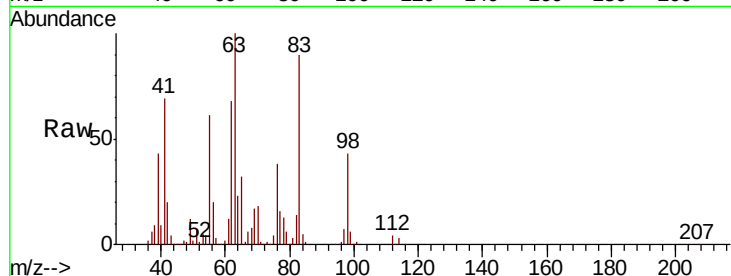




#37
 1,2-Dichloropropane
 Concen: 52.479 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

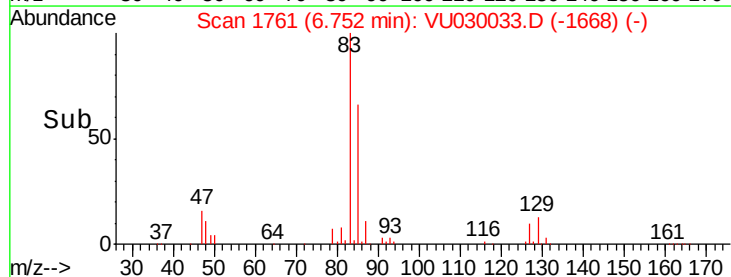
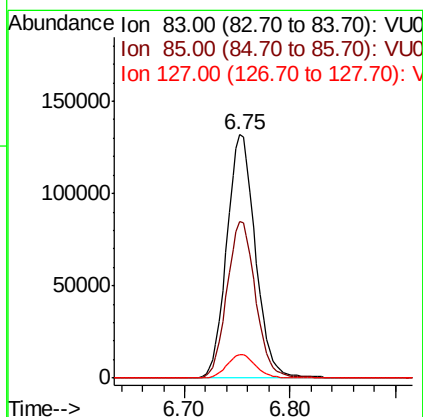
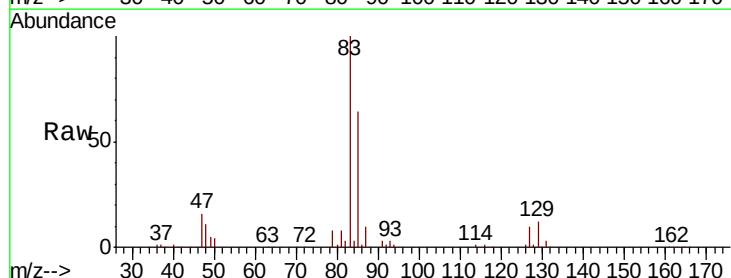
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

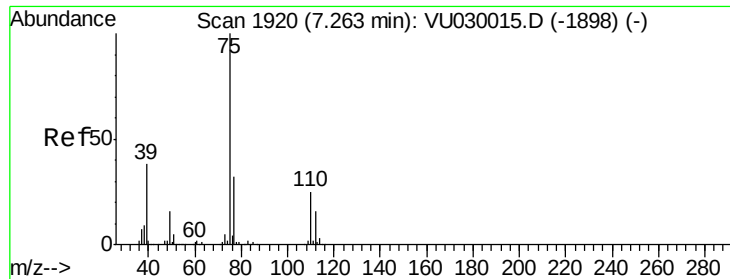
Tgt Ion: 63 Resp: 194562
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 53.758 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Tgt Ion: 83 Resp: 247837
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.7 84.9
 127 9.6 7.7 11.5

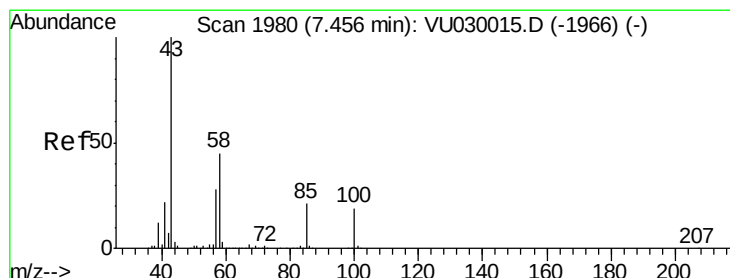
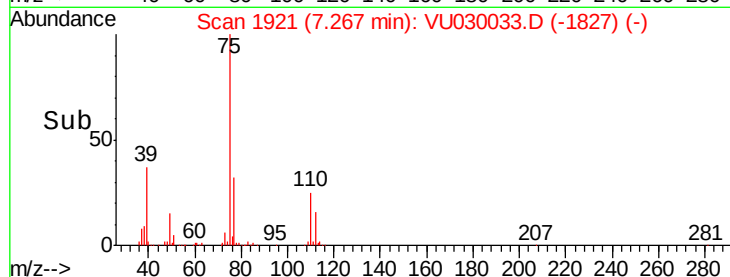
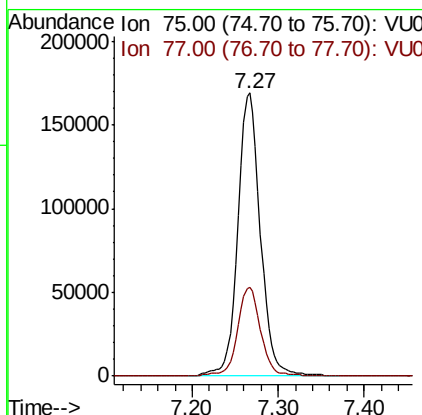
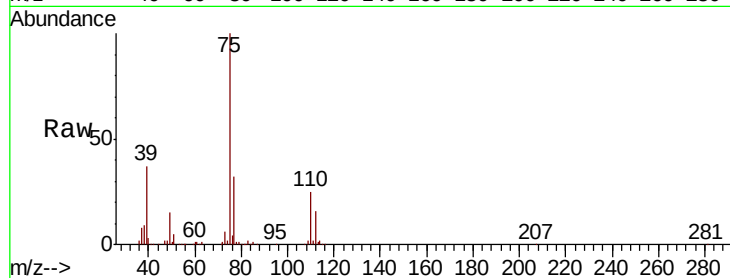




#39
 cis-1,3-Dichloropropene
 Concen: 53.432 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

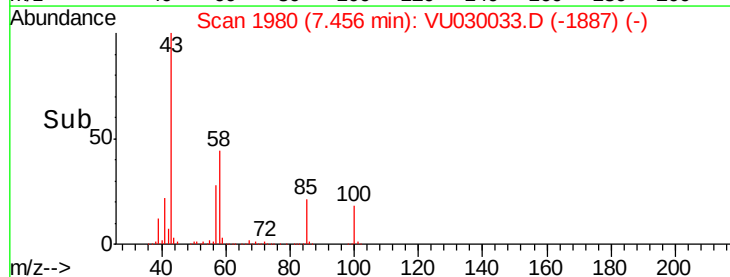
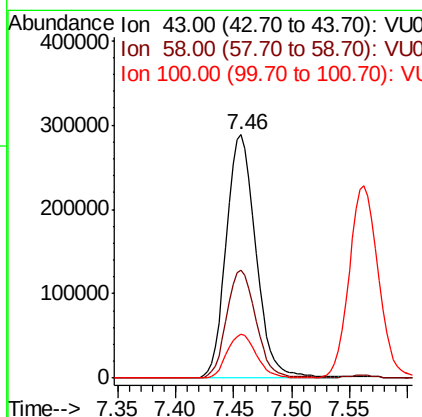
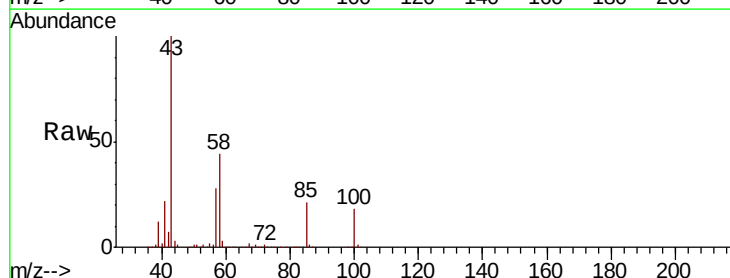
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

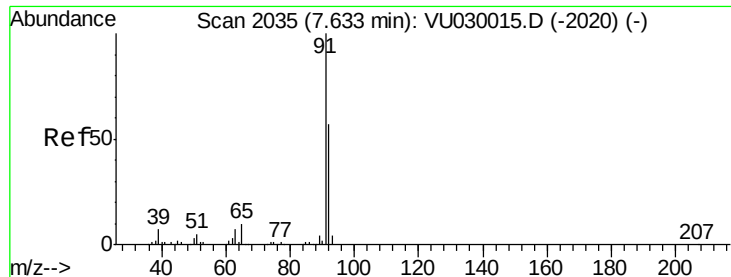
Tgt Ion: 75 Resp: 308272
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 101.925 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Tgt Ion: 43 Resp: 510225
 Ion Ratio Lower Upper
 43 100
 58 44.0 35.1 52.7
 100 18.0 14.4 21.6





#42

Toluene

Concen: 53.386 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

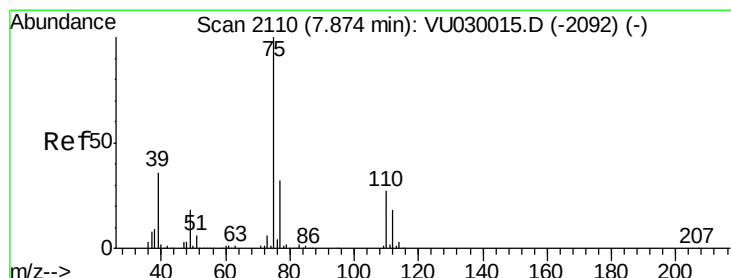
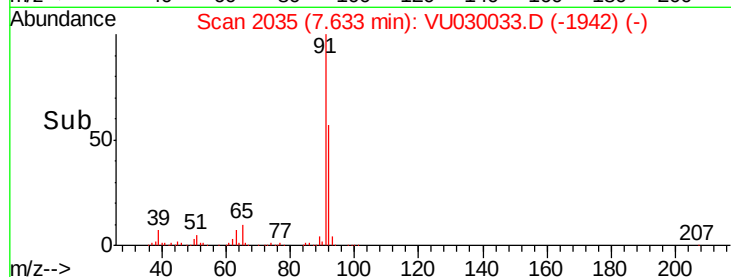
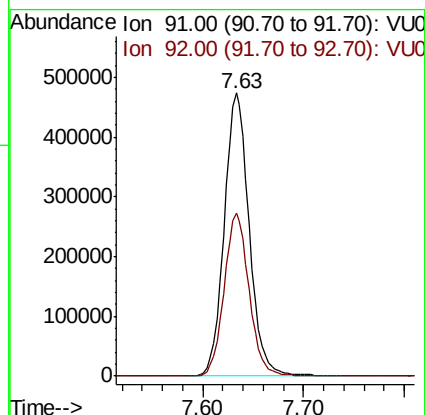
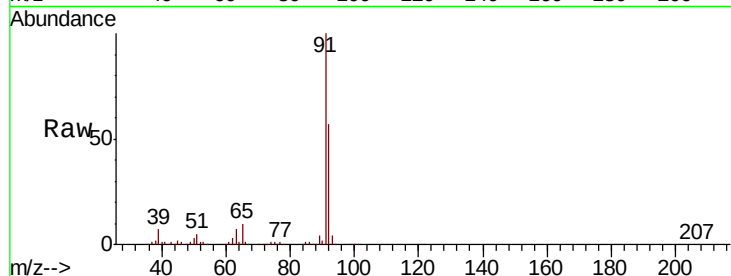
VSTD05033

Tgt Ion: 91 Resp: 818095

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 53.490 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU030033.D

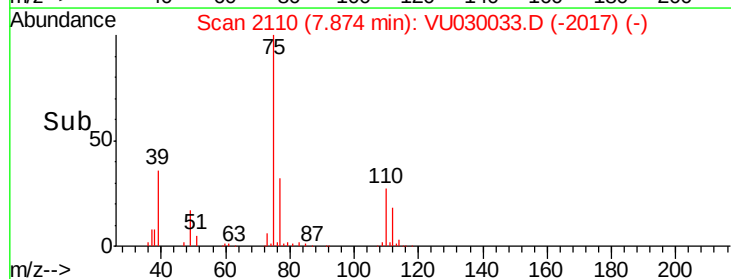
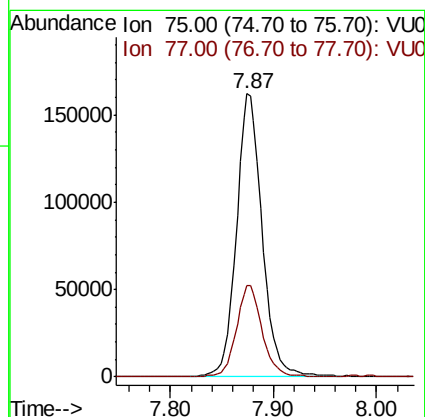
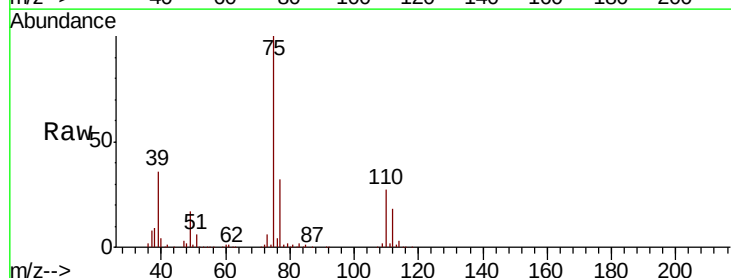
Acq: 13 Mar 2019 16:37

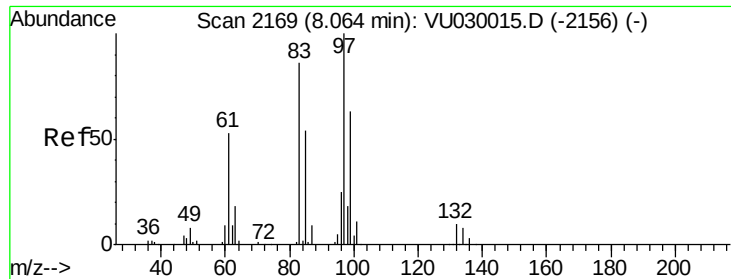
Tgt Ion: 75 Resp: 281777

Ion Ratio Lower Upper

75 100

77 32.3 21.9 40.7

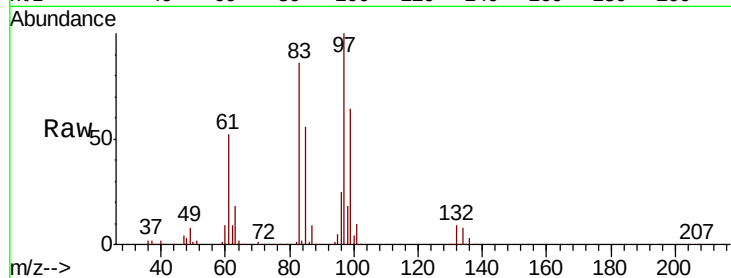




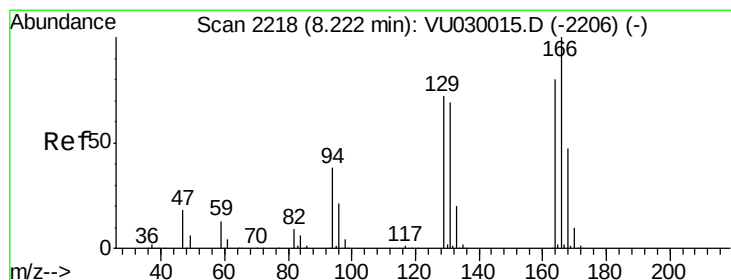
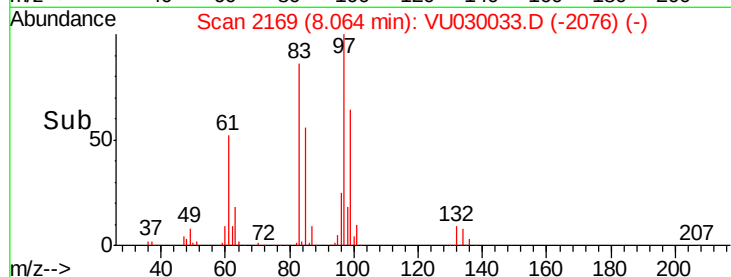
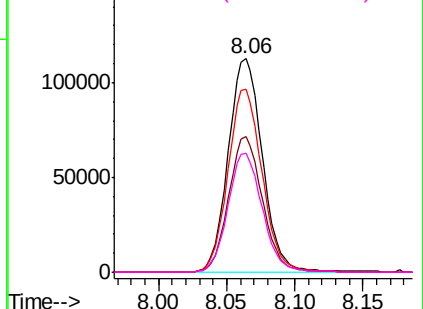
#45
 1,1,2-Trichloroethane
 Concen: 52.916 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion:	97	Resp:	196196
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.7	82.9
83	85.8	58.6	108.8
85	55.5	38.1	70.7

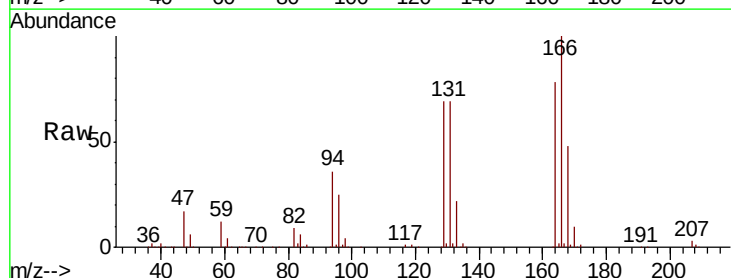


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

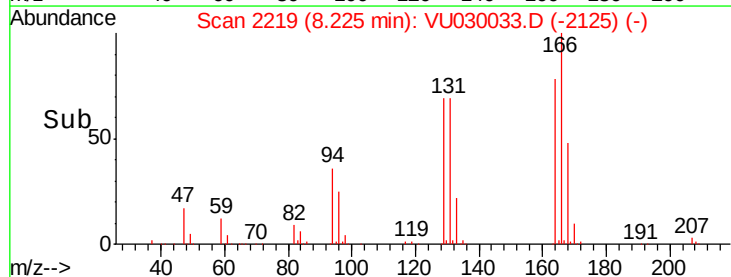
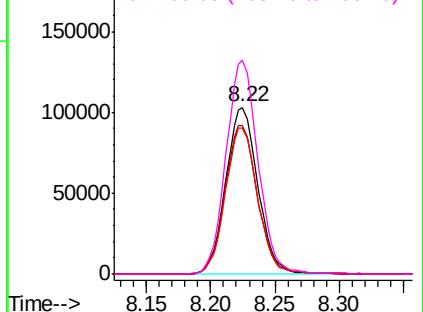


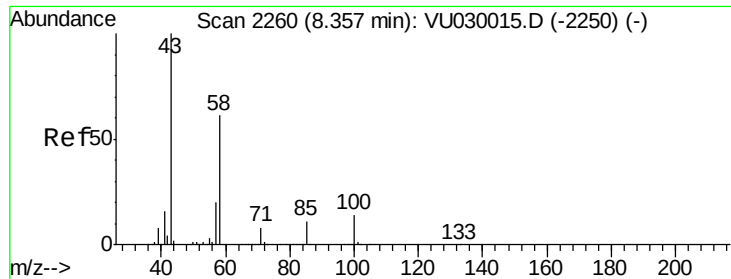
#46
 Tetrachloroethene
 Concen: 54.796 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Tgt Ion:	164	Resp:	177140
Ion	Ratio	Lower	Upper
164	100		
129	88.8	63.3	117.7
131	87.8	62.0	115.2
166	128.1	90.5	168.1



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

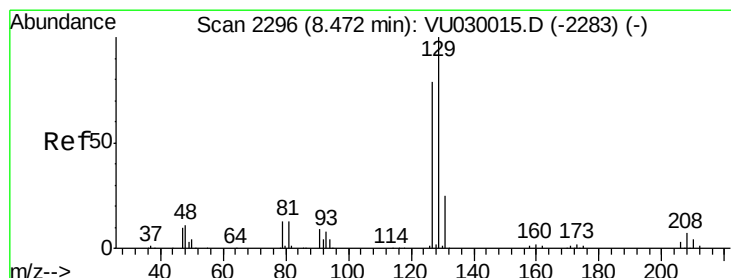
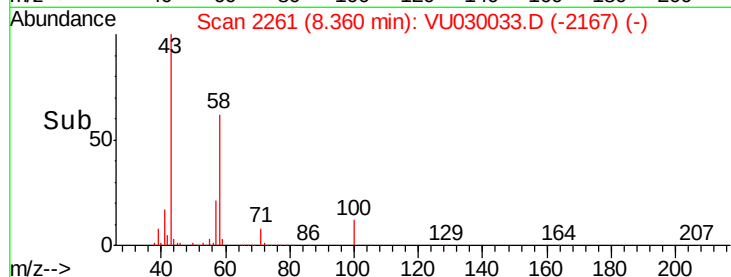
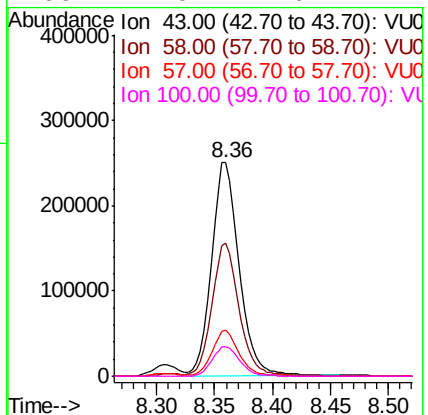
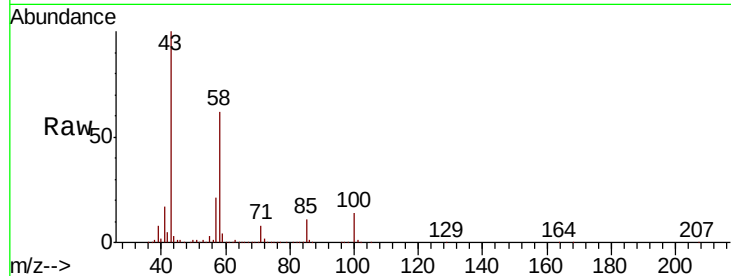




#48
2-Hexanone
Concen: 97.750 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

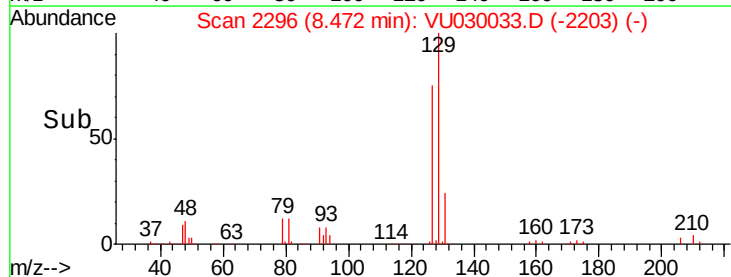
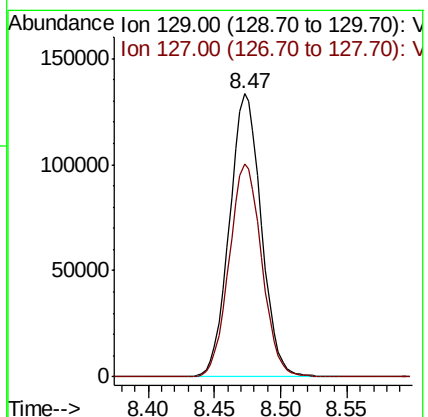
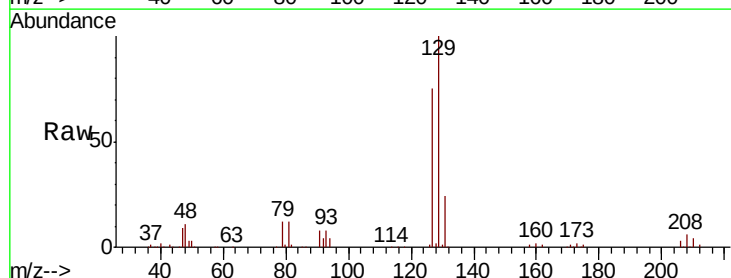
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

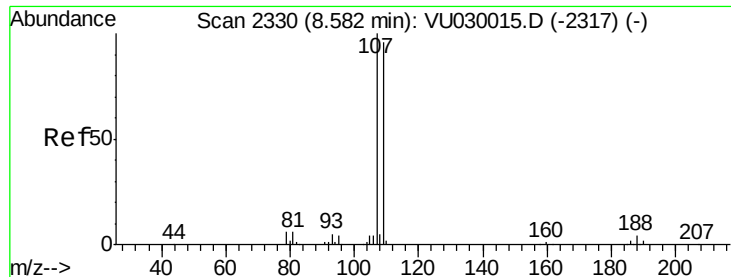
Tgt Ion: 43 Resp: 417449
Ion Ratio Lower Upper
43 100
58 61.4 48.6 72.8
57 20.8 16.1 24.1
100 14.0 11.6 17.4



#49
Dibromochloromethane
Concen: 53.801 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

Tgt Ion: 129 Resp: 222869
Ion Ratio Lower Upper
129 100
127 75.2 55.2 102.4

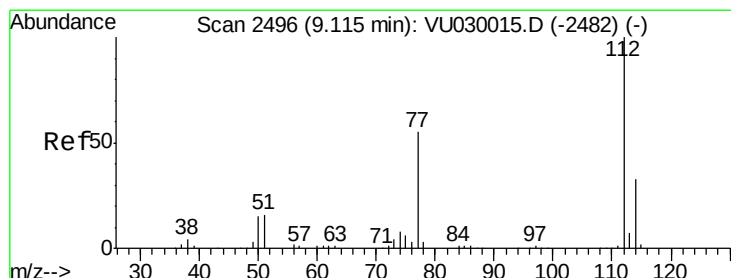
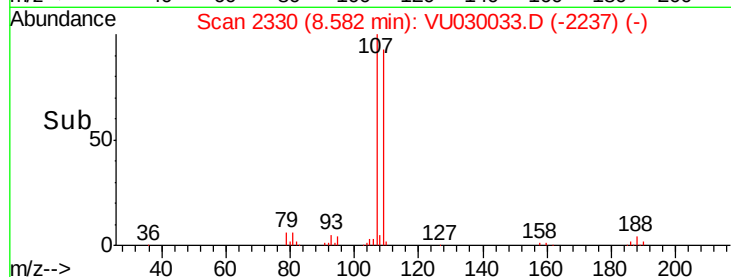
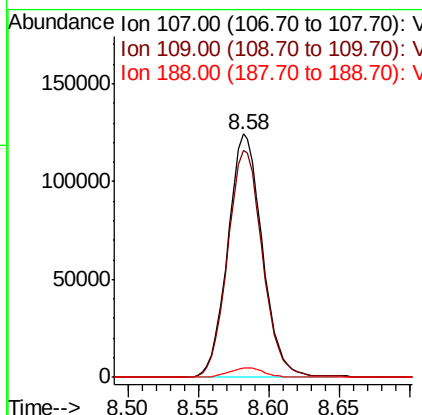
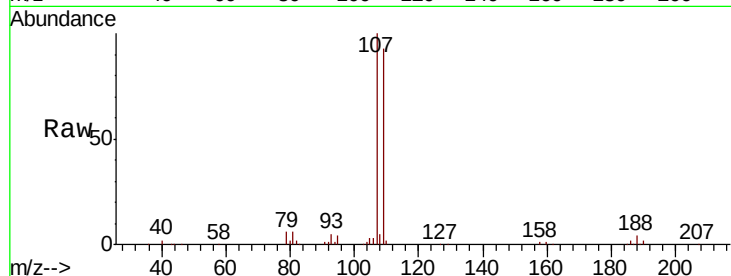




#50
1,2-Dibromoethane
Concen: 52.214 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

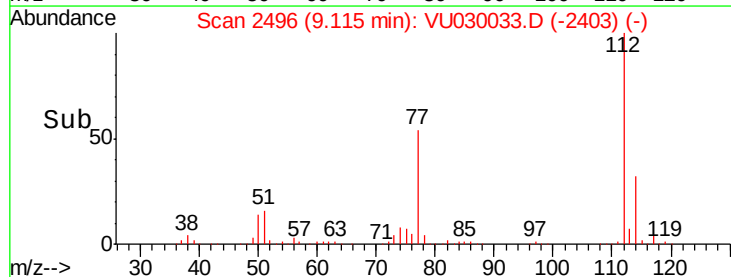
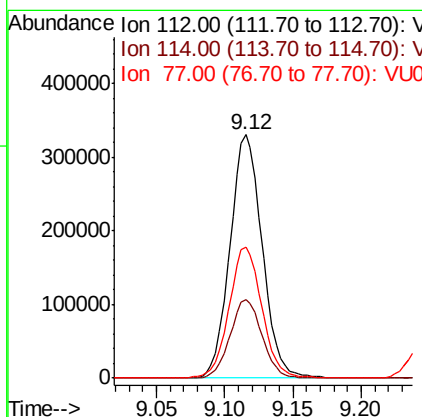
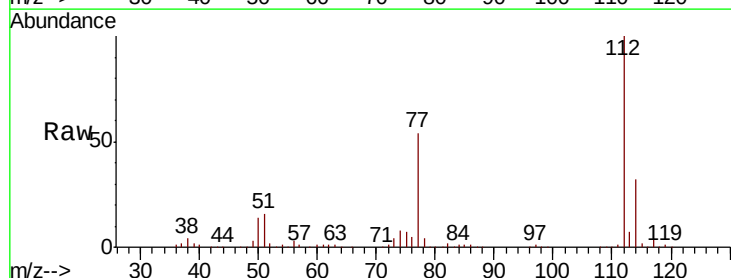
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

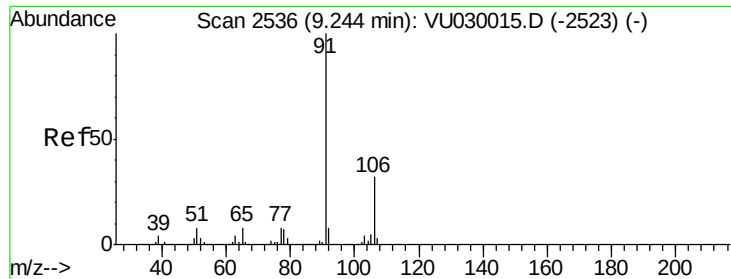
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.1	67.8	126.0
188	3.9	3.2	4.8



#51
Chlorobenzene
Concen: 52.397 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030033.D
Acq: 13 Mar 2019 16:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.5	41.9
77	53.8	44.6	66.8





#52

Ethylbenzene

Concen: 53.600 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

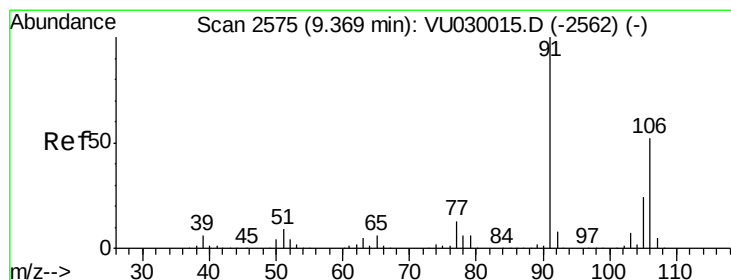
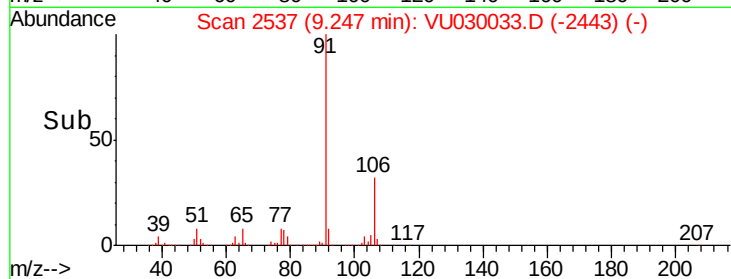
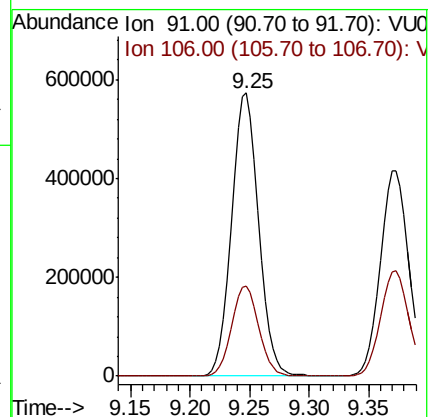
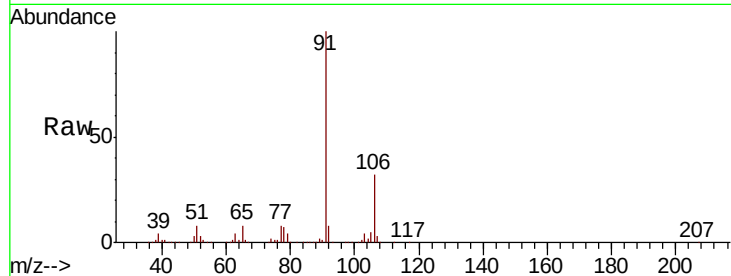
VSTD05033

Tgt Ion: 91 Resp: 904224

Ion Ratio Lower Upper

91 100

106 32.0 22.5 41.9



#53

m,p-Xylene

Concen: 54.024 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030033.D

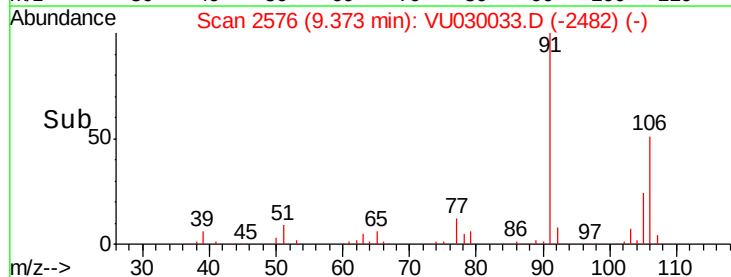
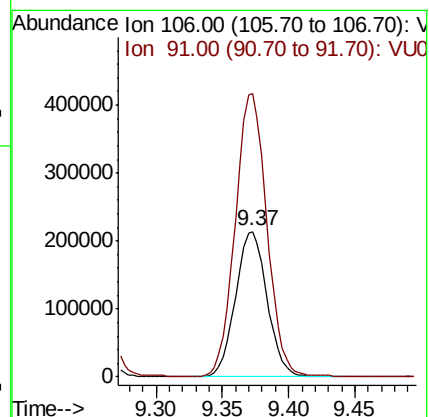
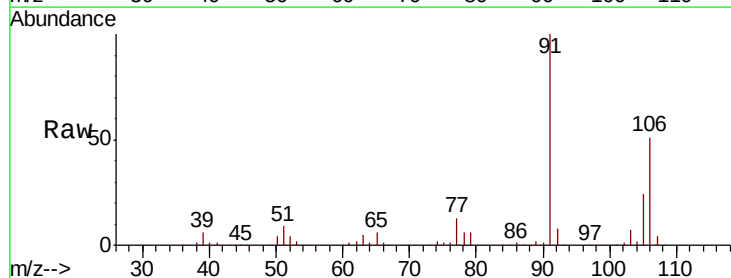
Acq: 13 Mar 2019 16:37

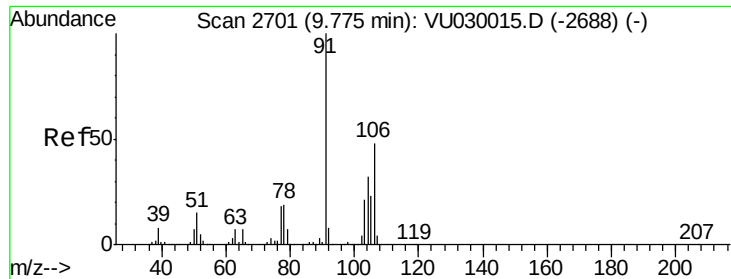
Tgt Ion: 106 Resp: 352613

Ion Ratio Lower Upper

106 100

91 194.5 135.1 250.9





#54

o-xylene

Concen: 54.304 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

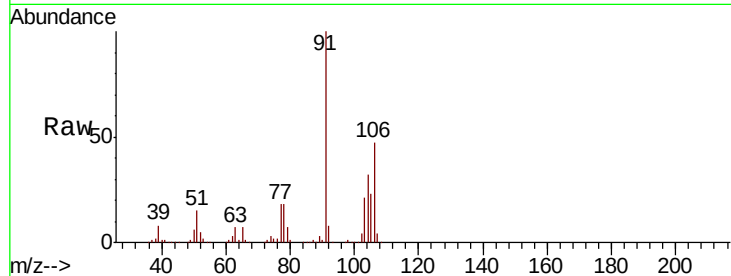
VSTD05033

Tgt Ion:106 Resp: 348138

Ion Ratio Lower Upper

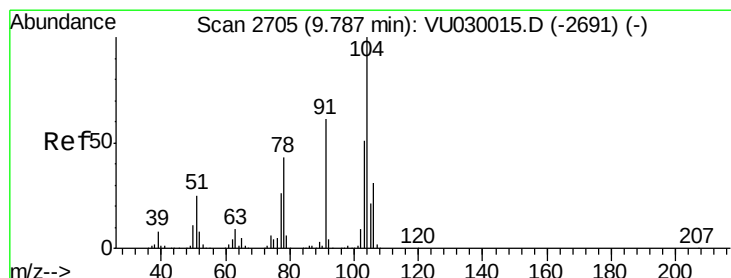
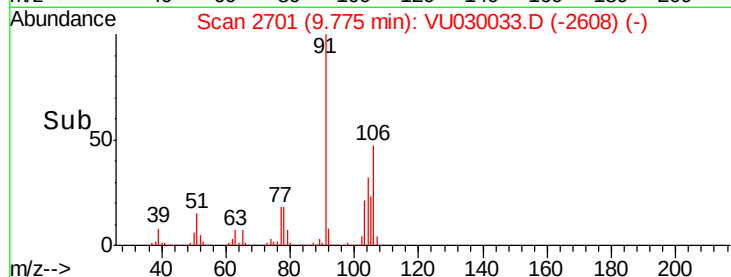
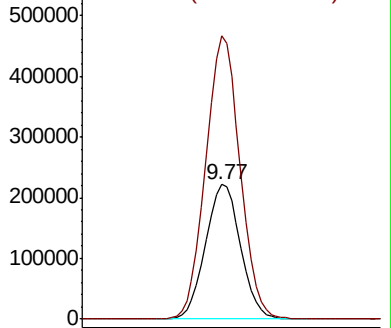
106 100

91 210.6 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.430 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030033.D

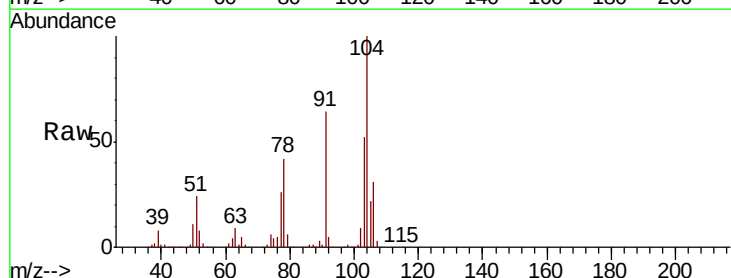
Acq: 13 Mar 2019 16:37

Tgt Ion:104 Resp: 594165

Ion Ratio Lower Upper

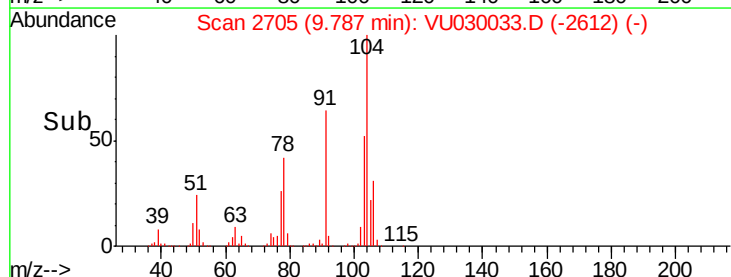
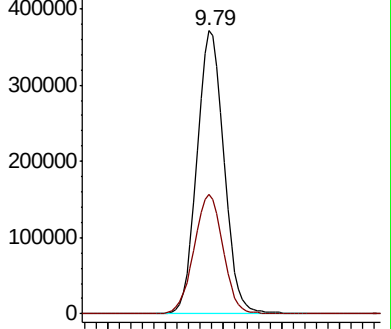
104 100

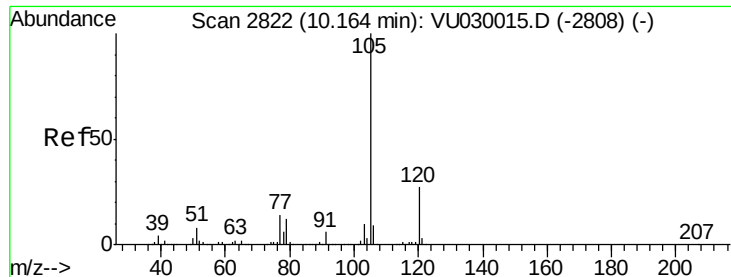
78 42.3 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.383 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

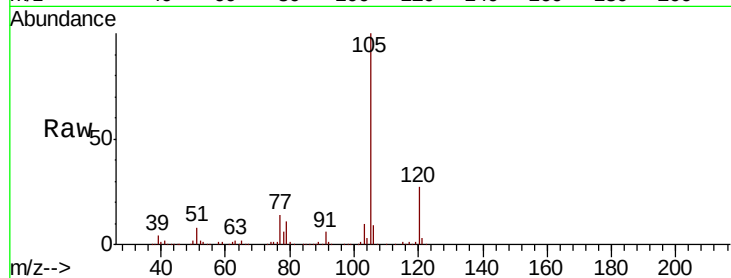
Tgt Ion: 105 Resp: 912751

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

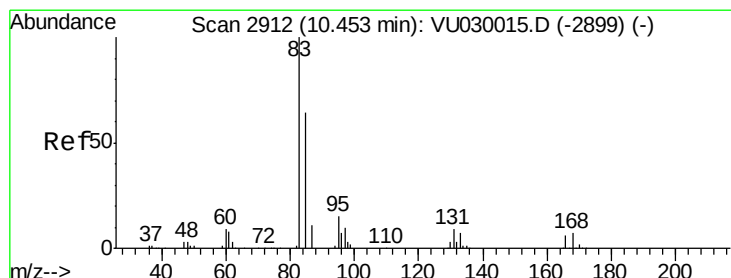
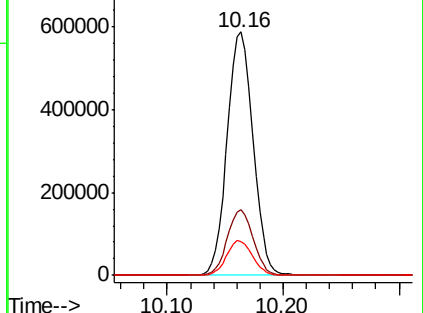
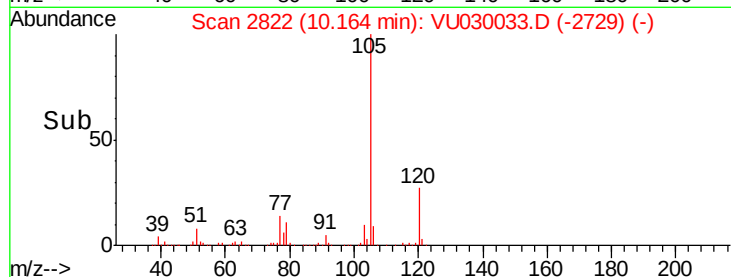
77 14.3 11.1 16.7



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: 53.241 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

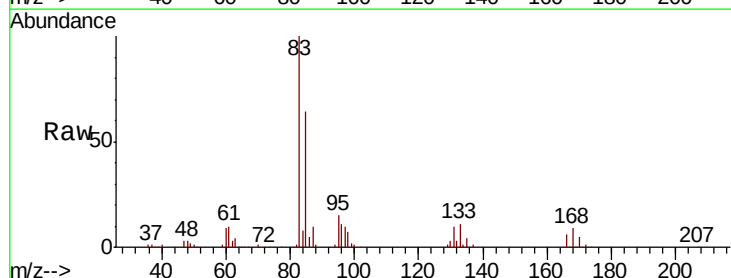
Tgt Ion: 83 Resp: 338809

Ion Ratio Lower Upper

83 100

85 63.5 45.9 85.3

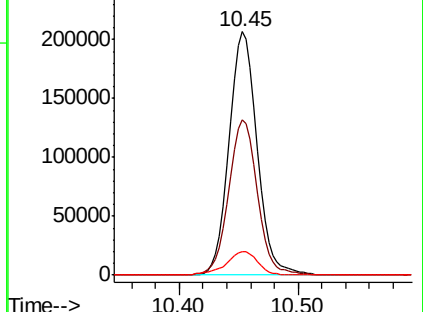
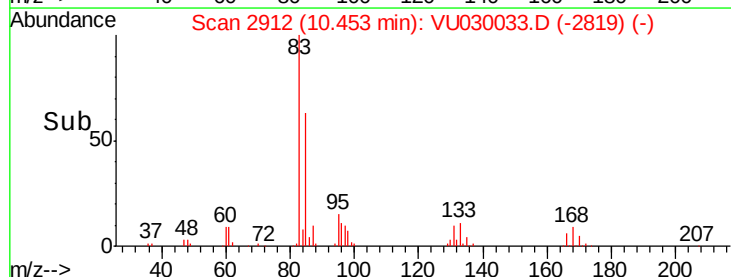
131 9.7 8.5 12.7

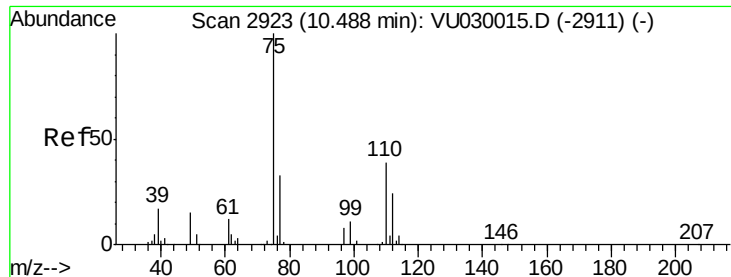


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

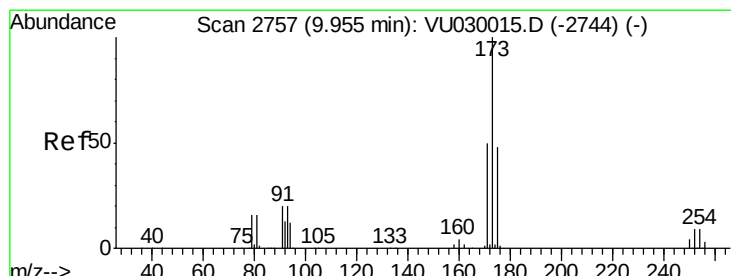
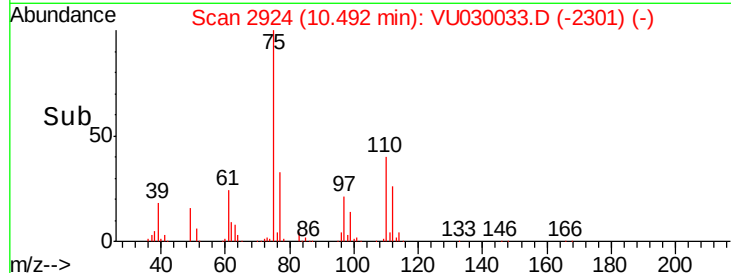
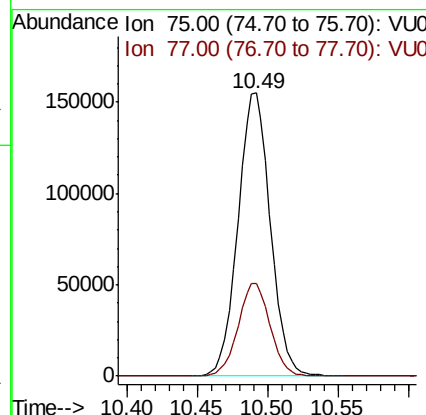
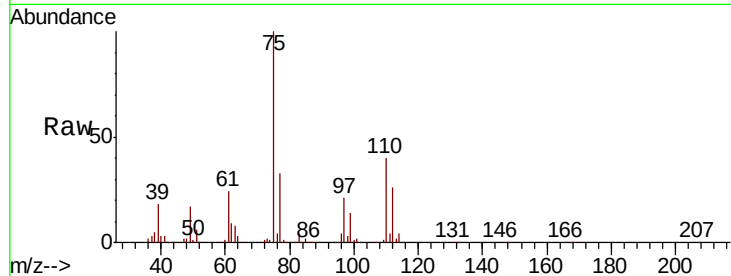




#59
 1,2,3-Trichloropropane
 Concen: 51.634 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

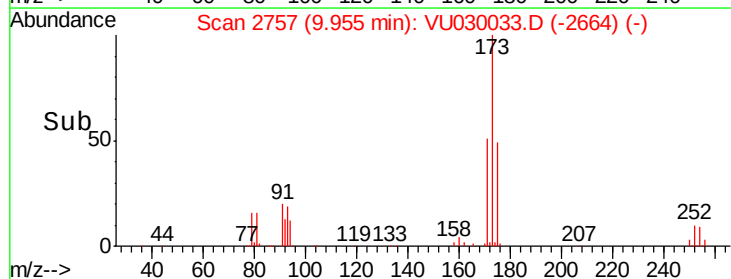
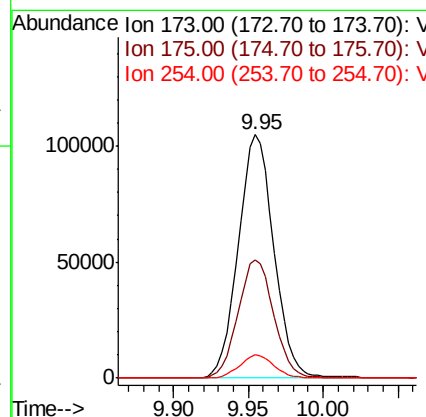
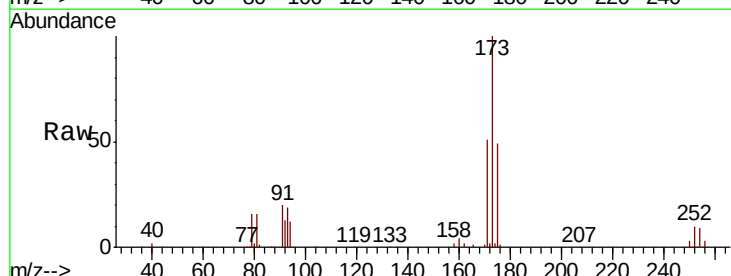
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

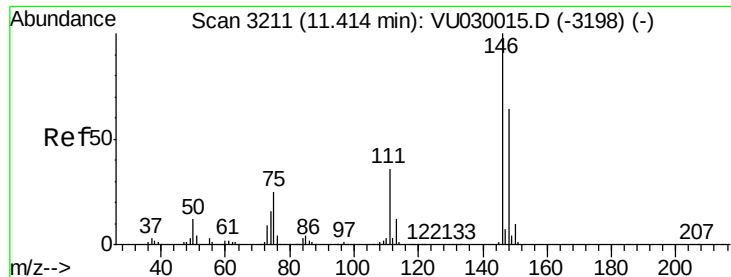
Tgt Ion: 75 Resp: 249306
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.8



#61
 Bromoform
 Concen: 54.279 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Tgt Ion: 173 Resp: 173182
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 9.3 7.4 11.0

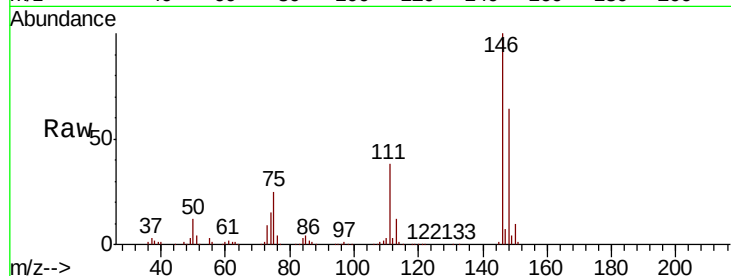




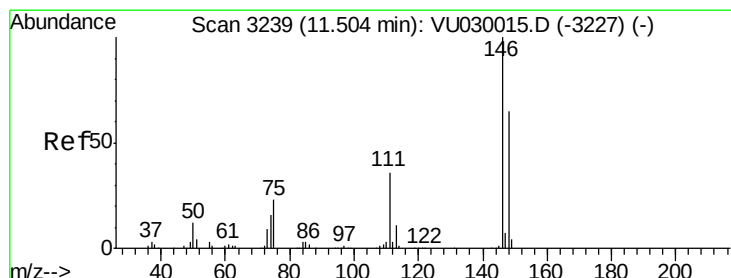
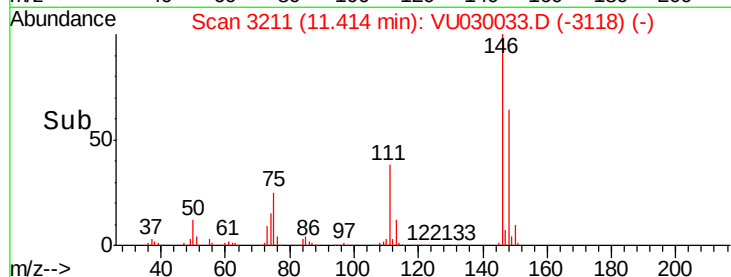
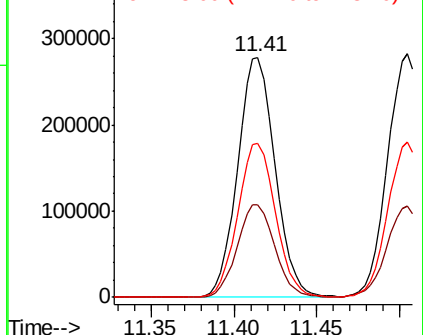
#62
 1,3-Dichlorobenzene
 Concen: 52.881 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion:146 Resp: 437744
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.7 49.5
 148 64.4 44.9 83.5

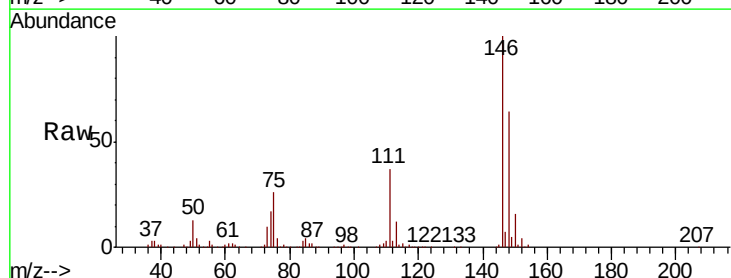


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

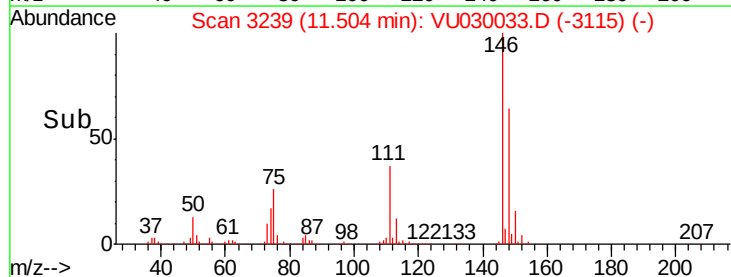
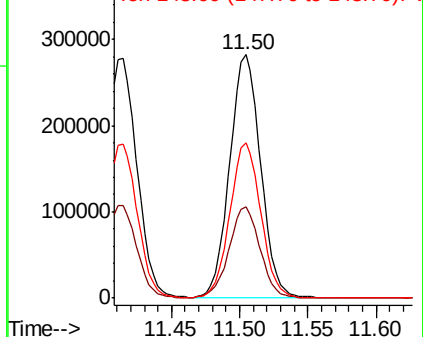


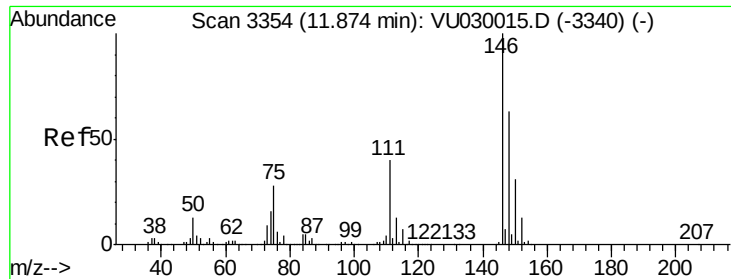
#63
 1,4-Dichlorobenzene
 Concen: 52.726 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Tgt Ion:146 Resp: 443807
 Ion Ratio Lower Upper
 146 100
 111 37.3 25.5 47.3
 148 63.9 45.0 83.6



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: 54.160 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

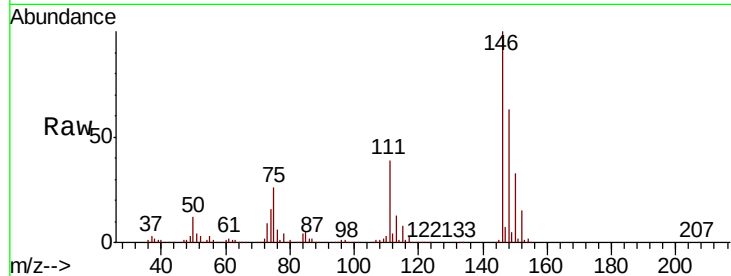
Tgt Ion:146 Resp: 451283

Ion Ratio Lower Upper

146 100

111 39.0 30.9 46.3

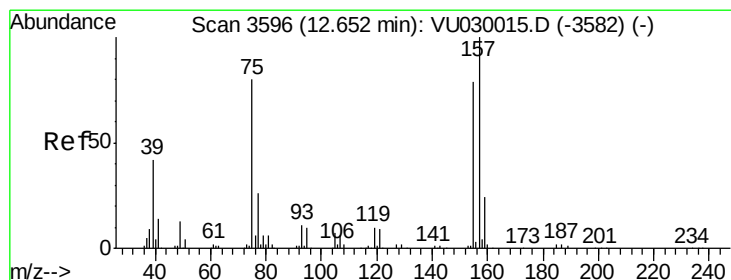
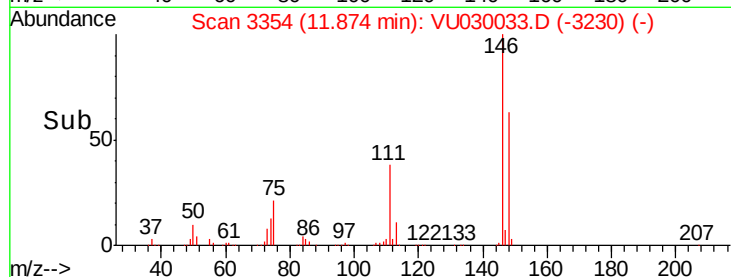
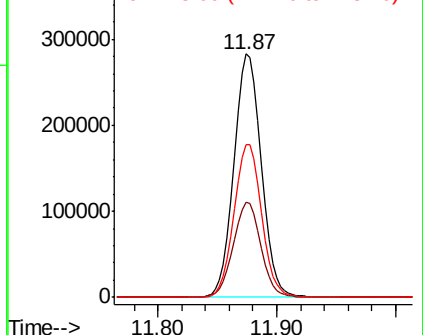
148 62.8 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 52.063 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

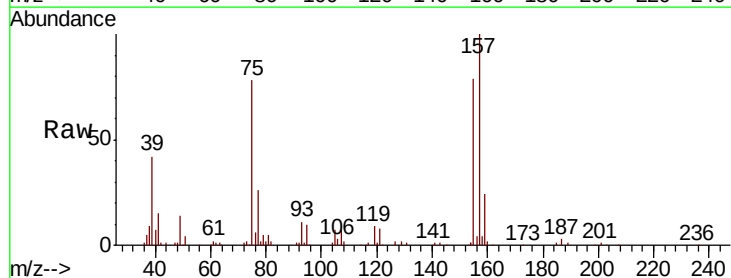
Tgt Ion: 75 Resp: 70495

Ion Ratio Lower Upper

75 100

155 101.3 80.9 121.3

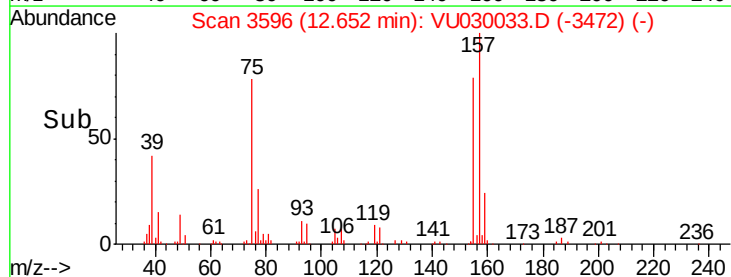
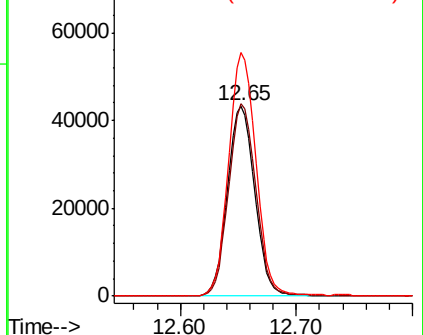
157 127.9 104.6 156.8

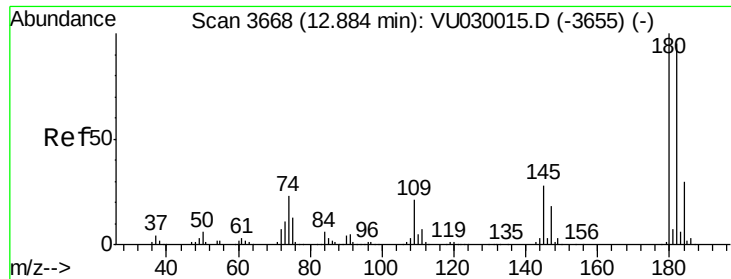


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

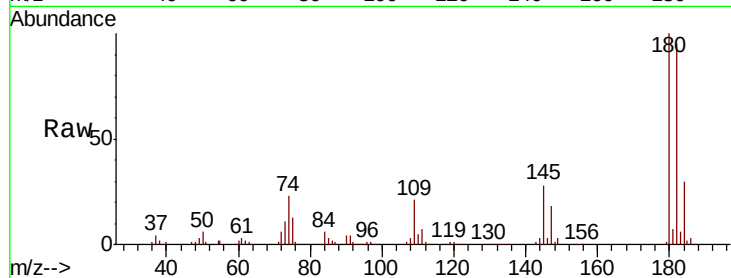




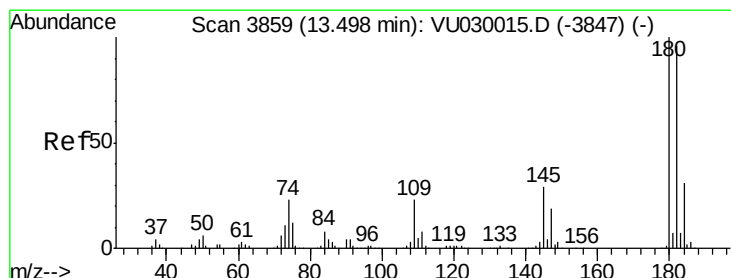
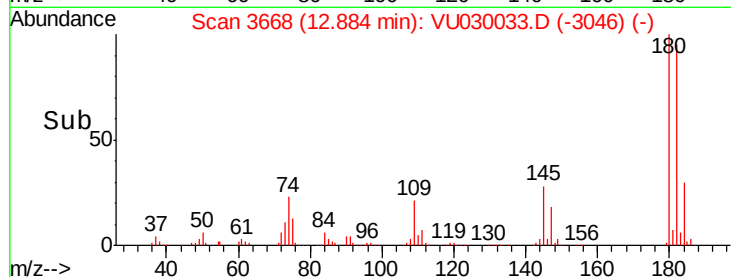
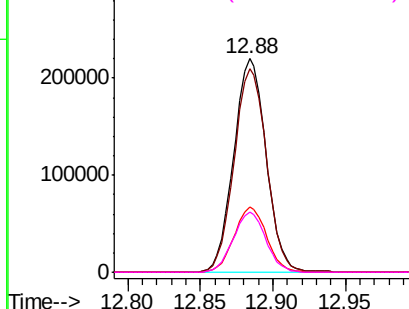
#67
 1,3,5-Trichlorobenzene
 Concen: 53.160 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion:180 Resp: 341562
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.3 114.5
 184 30.5 24.7 37.1
 145 28.2 22.3 33.5

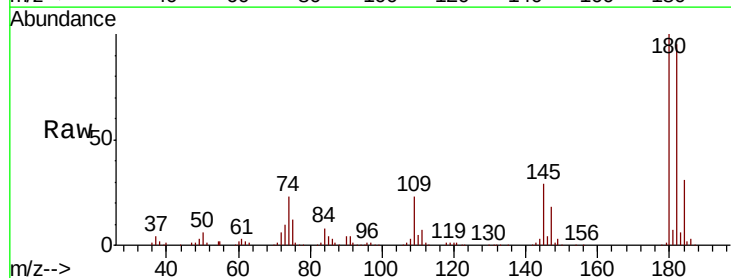


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

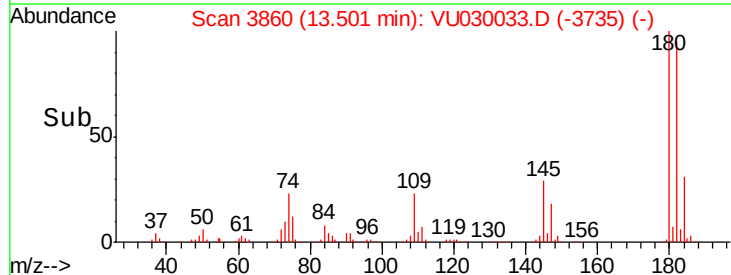
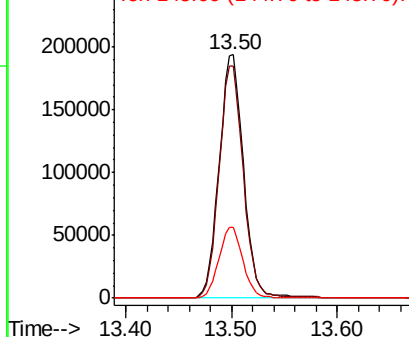


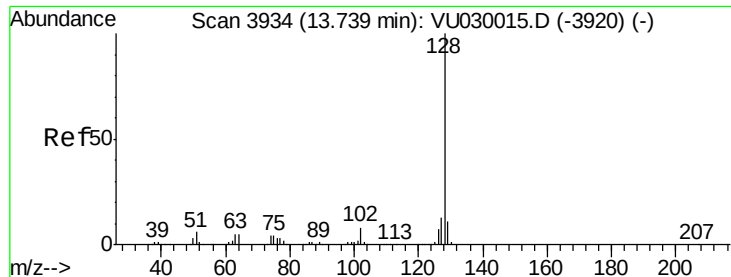
#68
 1,2,4-trichlorobenzene
 Concen: 52.871 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030033.D
 Acq: 13 Mar 2019 16:37

Tgt Ion:180 Resp: 310734
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.1 114.1
 145 28.8 23.0 34.4



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





#69

Naphthalene

Concen: 52.839 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

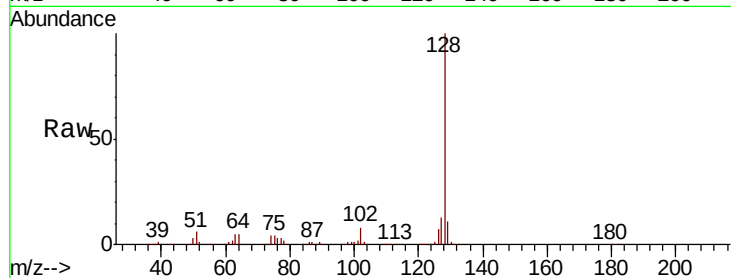
Tgt Ion:128 Resp: 1008966

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

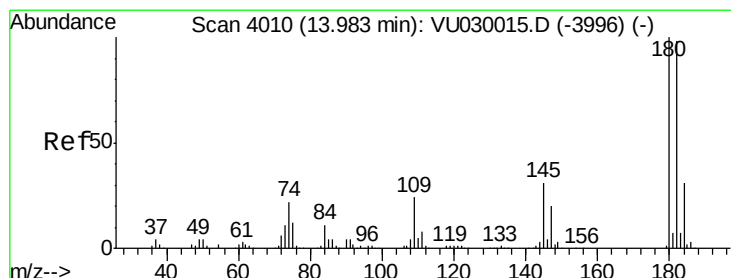
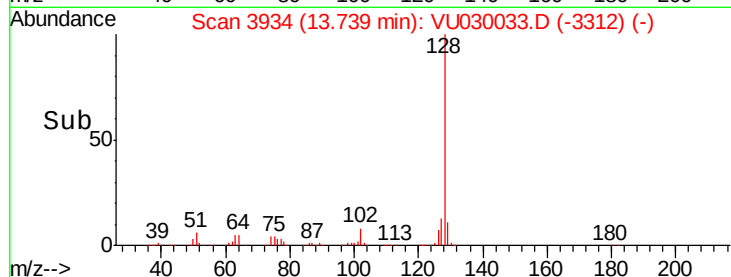
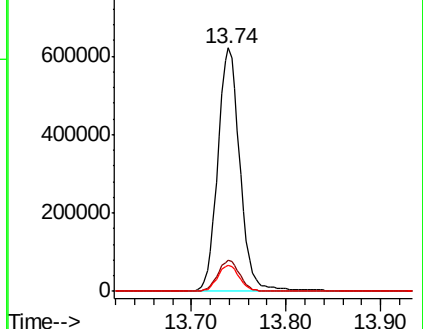
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.857 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030033.D

Acq: 13 Mar 2019 16:37

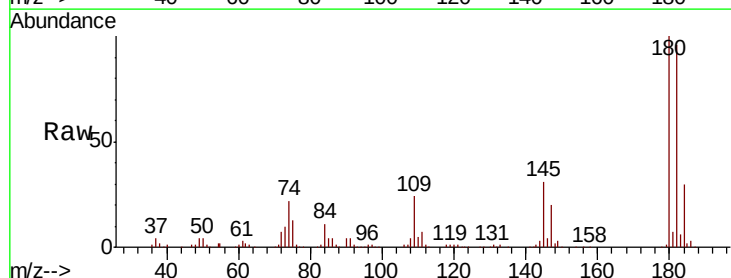
Tgt Ion:180 Resp: 322718

Ion Ratio Lower Upper

180 100

182 96.2 75.9 113.9

145 31.0 24.0 36.0



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

