

Data File : VU030112.D
Acq On : 15 Mar 2019 15:40
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

Quant Time: Mar 16 00:07:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	586769	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	575790	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	299461	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	167527	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.32%
7) Chloroethane-d5	1.67	69	137374	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.70%
11) 1,1-Dichloroethene-d2	2.27	63	312292	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
21) 2-Butanone-d5	4.17	46	260420	89.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.56%
24) Chloroform-d	4.65	84	312036	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.64%
26) 1,2-Dichloroethane-d4	5.31	65	175807	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.42%
32) Benzene-d6	5.34	84	645769	43.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.14%
36) 1,2-Dichloropropane-d6	6.33	67	200492	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.40%
41) Toluene-d8	7.56	98	603987	43.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.04%
43) trans-1,3-Dichloropropene-	7.85	79	97457	44.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.70%
47) 2-Hexanone-d5	8.31	63	223636	88.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.11%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	314691	45.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	250796	43.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	185197	49.951 ug/L	98
3) Chloromethane	1.33	50	186277	45.541 ug/L	100
5) Vinyl chloride	1.40	62	215231	48.002 ug/L	100
6) Bromomethane	1.62	94	101906	36.688 ug/L	98
8) Chloroethane	1.69	64	133501	45.427 ug/L	96
9) Trichlorofluoromethane	1.88	101	304417	50.624 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	202039	52.411 ug/L	99
12) 1,1-Dichloroethene	2.28	96	178247	48.466 ug/L	88
13) Acetone	2.32	43	241421	71.007 ug/L	100
14) Carbon disulfide	2.48	76	508495	44.609 ug/L	99
15) Methyl Acetate	2.61	43	212050	48.274 ug/L	99
16) Methylene chloride	2.70	84	209443	48.229 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	193740	48.373 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	591714	49.814 ug/L	100
19) 1,1-Dichloroethane	3.44	63	348285	50.648 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	220945	48.458 ug/L	96
22) 2-Butanone	4.26	43	328135	84.774 ug/L	99

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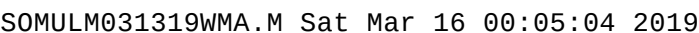
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

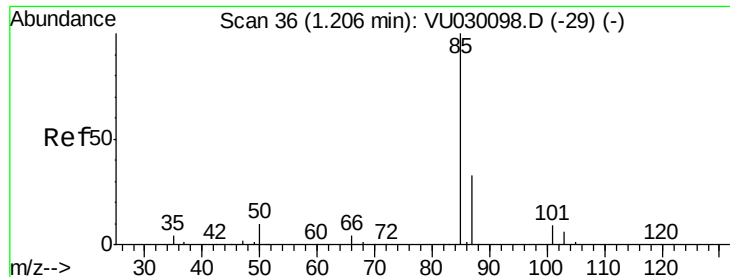
Quant Time: Mar 16 00:07:11 2019
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Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	116046	49.133	ug/L	99
25) Chloroform	4.67	83	363441	50.356	ug/L	99
27) 1,2-Dichloroethane	5.40	62	257231	49.573	ug/L	99
29) Cyclohexane	4.99	56	312430	49.197	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	311141	49.499	ug/L	100
31) Carbon tetrachloride	5.13	117	272244	49.048	ug/L	99
33) Benzene	5.39	78	798874	48.486	ug/L	100
34) Trichloroethene	6.18	95	212350	49.175	ug/L	99
35) Methylcyclohexane	6.41	83	350745	50.088	ug/L	99
37) 1,2-Dichloropropane	6.43	63	220345	50.842	ug/L	99
38) Bromodichloromethane	6.75	83	271217	50.325	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	338006	50.116	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	567856	97.039	ug/L	100
42) Toluene	7.63	91	885610	49.437	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	307626	49.955	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	216639	49.983	ug/L	98
46) Tetrachloroethene	8.22	164	189357	50.107	ug/L	98
48) 2-Hexanone	8.36	43	462080	92.559	ug/L	99
49) Dibromochloromethane	8.47	129	247582	51.127	ug/L	96
50) 1,2-Dibromoethane	8.58	107	233183	48.809	ug/L	97
51) Chlorobenzene	9.12	112	593674	49.156	ug/L	99
52) Ethylbenzene	9.25	91	975137	49.447	ug/L	99
53) m,p-Xylene	9.37	106	374149	49.037	ug/L	96
54) o-xylene	9.77	106	375770	50.140	ug/L	98
55) Styrene	9.79	104	640366	50.182	ug/L	98
56) Isopropylbenzene	10.16	105	975469	49.718	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	372947	50.134	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	276629	49.010	ug/L	98
61) Bromoform	9.95	173	191583	51.397	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	475492	49.167	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	484386	49.258	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	482167	49.532	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	77515	49.001	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	368793	49.131	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	326493	47.551	ug/L	100
69) Naphthalene	13.74	128	1045310	46.857	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	341694	47.904	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 49.951 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

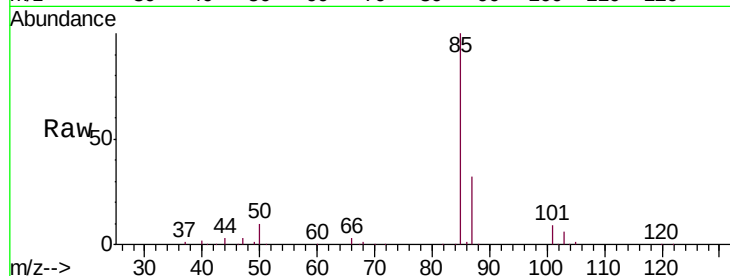
VSTD05039

Tgt Ion: 85 Resp: 185197

Ion Ratio Lower Upper

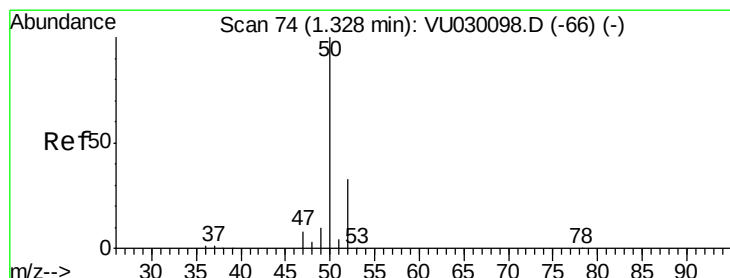
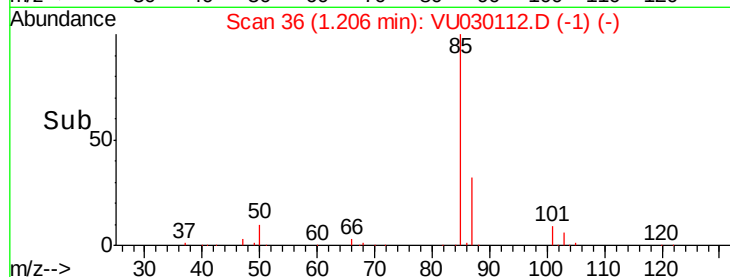
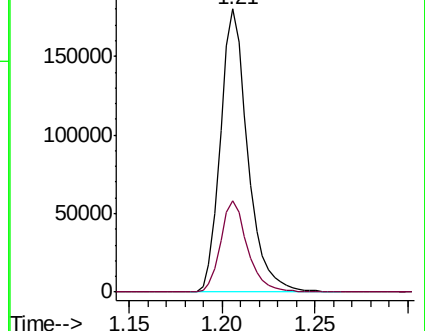
85 100

87 32.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU030112.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030112.D (-1) (-)



#3

Chloromethane

Concen: 45.541 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030112.D

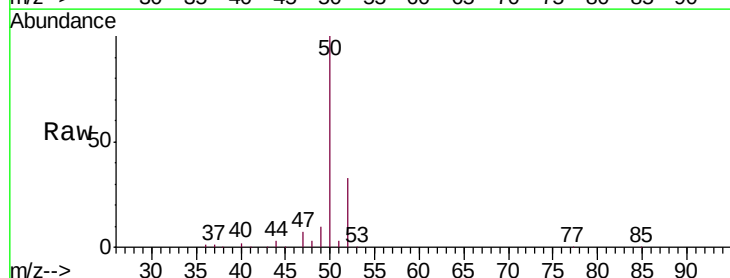
Acq: 15 Mar 2019 15:40

Tgt Ion: 50 Resp: 186277

Ion Ratio Lower Upper

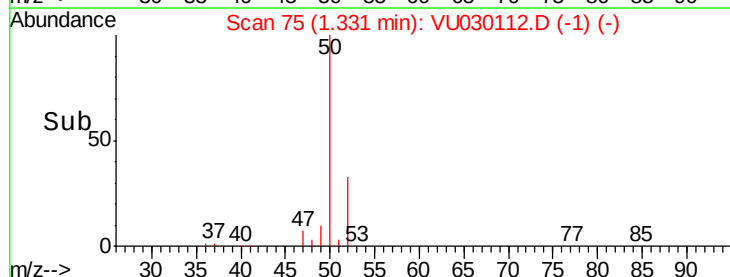
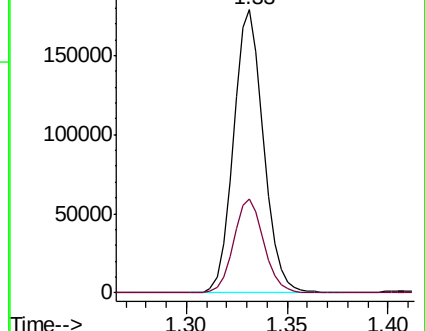
50 100

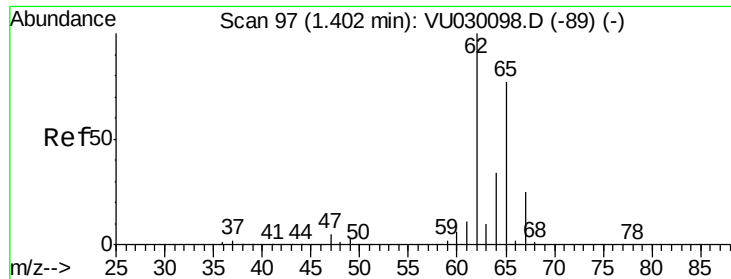
52 33.4 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030112.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030112.D (-1) (-)





#5

Vinyl chloride

Concen: 48.002 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

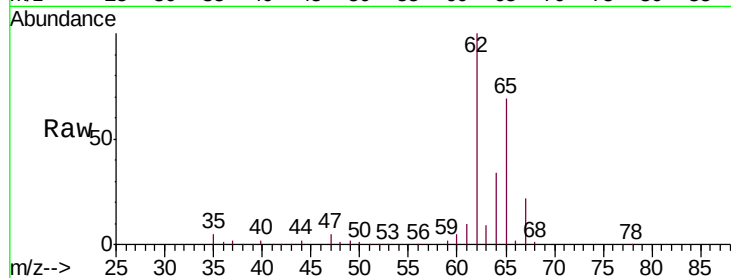
VSTD05039

Tgt Ion: 62 Resp: 215231

Ion Ratio Lower Upper

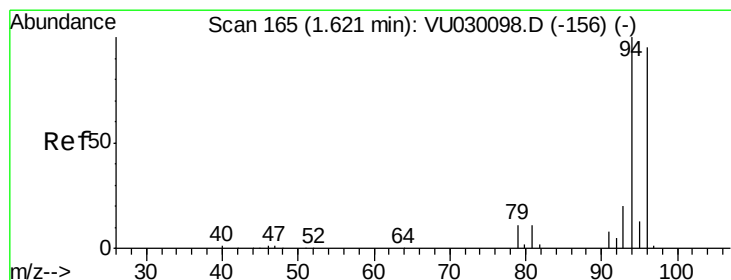
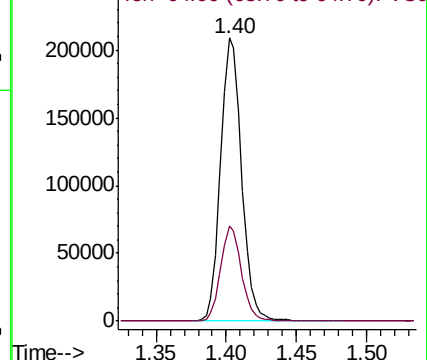
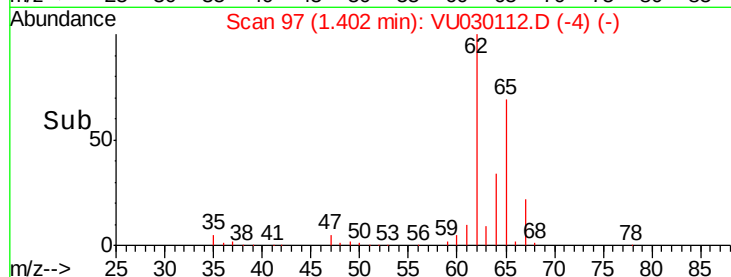
62 100

64 33.5 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU030112.D (-4) (-)

Ion 64.00 (63.70 to 64.70): VU030112.D (-4) (-)



#6

Bromomethane

Concen: 36.688 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU030112.D

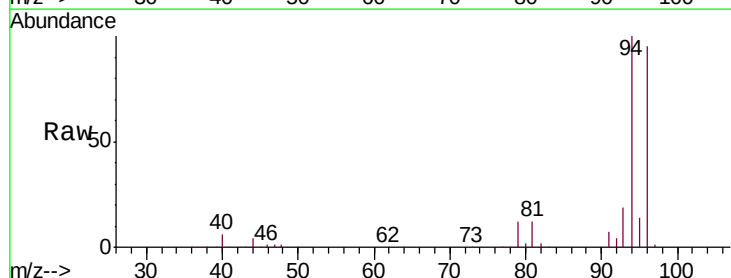
Acq: 15 Mar 2019 15:40

Tgt Ion: 94 Resp: 101906

Ion Ratio Lower Upper

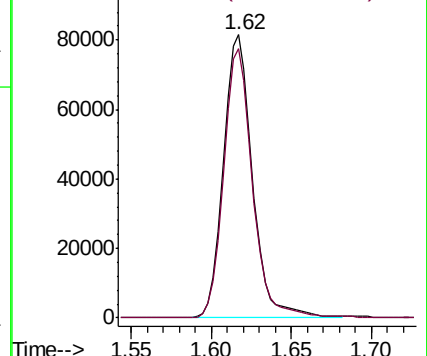
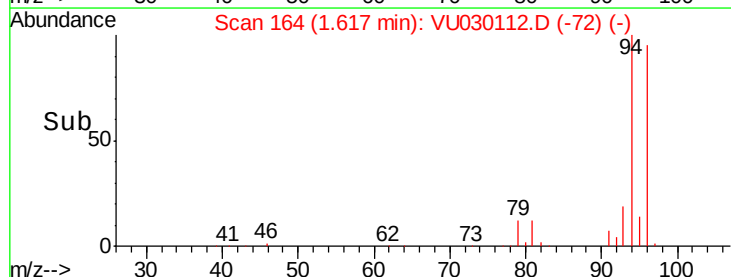
94 100

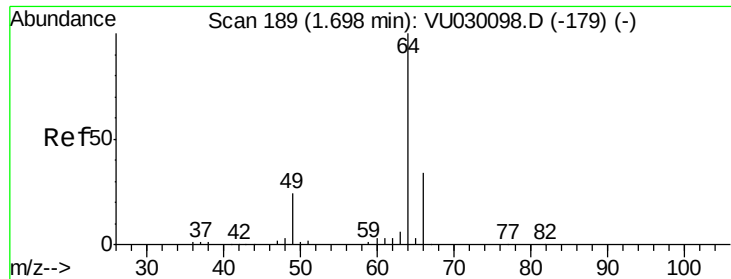
96 95.0 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU030112.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU030112.D (-72) (-)





#8

Chloroethane

Concen: 45.427 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

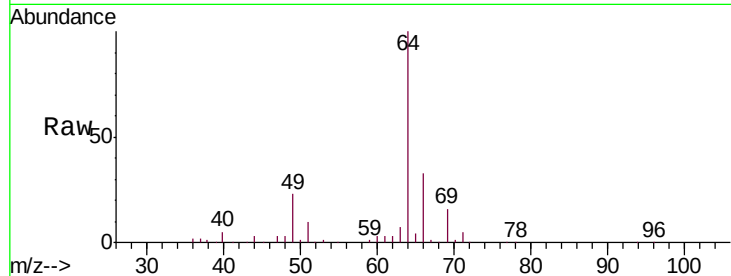
VSTD05039

Tgt Ion: 64 Resp: 133501

Ion Ratio Lower Upper

64 100

66 32.8 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU030112.D (-65) (-)

Ion 66.00 (65.70 to 66.70): VU030112.D (-65) (-)

1.69

100000

80000

60000

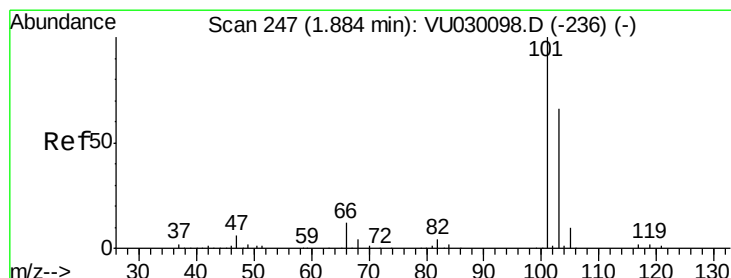
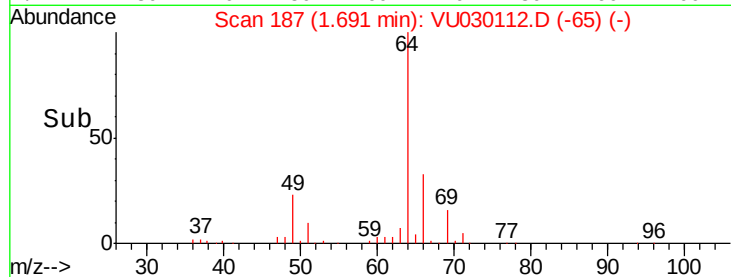
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 50.624 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU030112.D

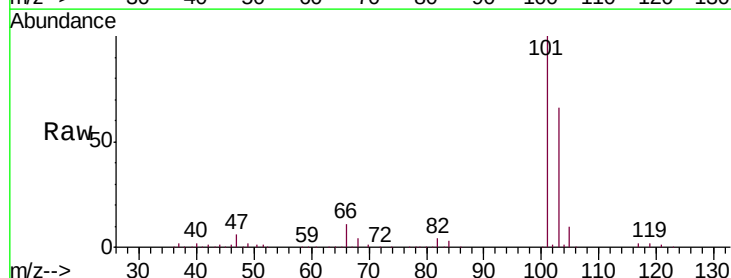
Acq: 15 Mar 2019 15:40

Tgt Ion: 101 Resp: 304417

Ion Ratio Lower Upper

101 100

103 65.1 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU030112.D (-123) (-)

Ion 103.00 (102.70 to 103.70): VU030112.D (-123) (-)

1.88

250000

200000

150000

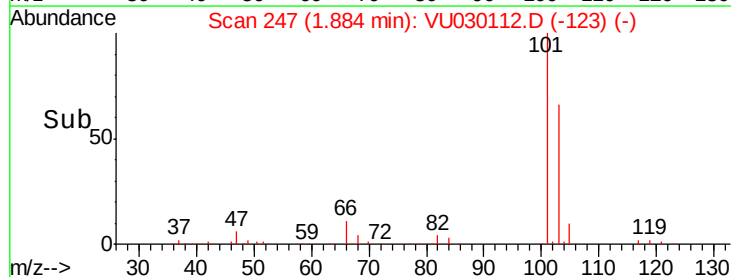
100000

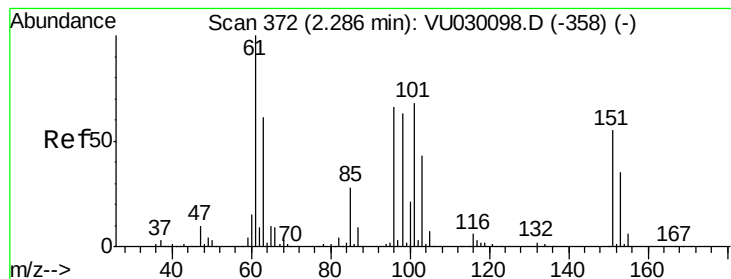
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 52.411 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

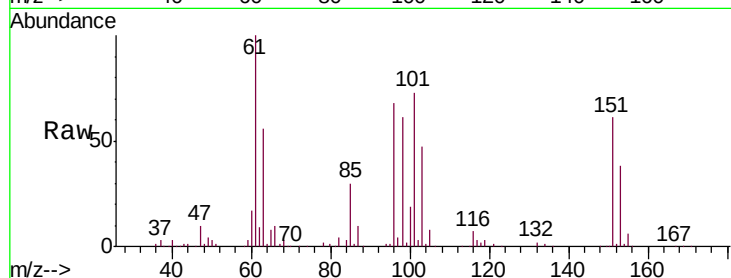
Tgt Ion: 101 Resp: 202039

Ion Ratio Lower Upper

101 100

85 41.4 33.0 49.4

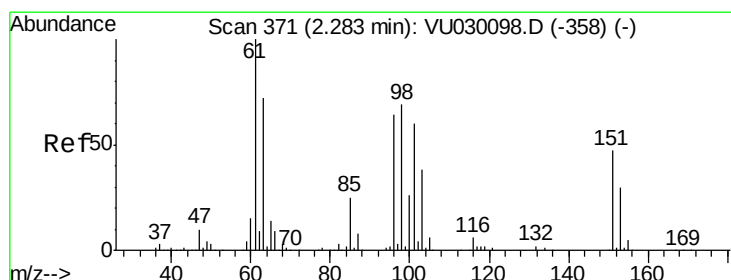
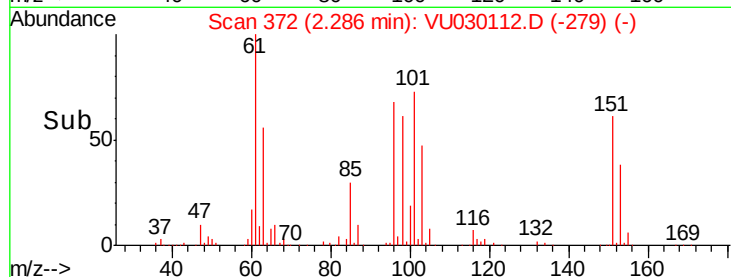
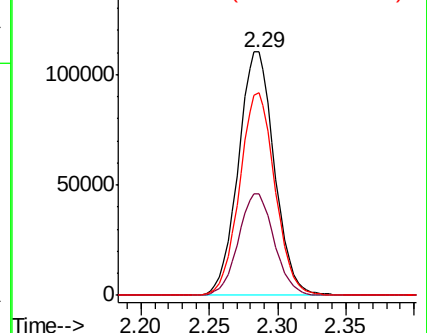
151 81.7 66.1 99.1



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: 48.466 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

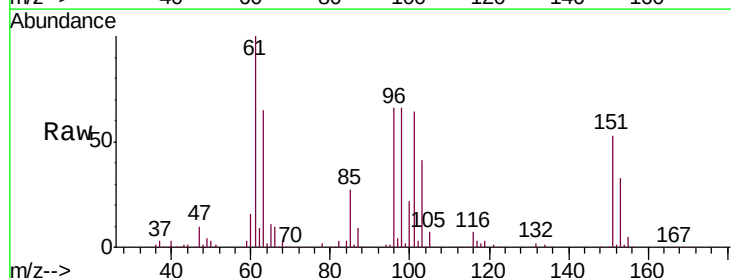
Tgt Ion: 96 Resp: 178247

Ion Ratio Lower Upper

96 100

61 152.7 110.4 205.0

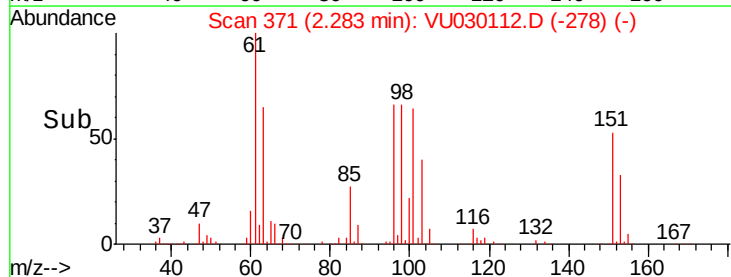
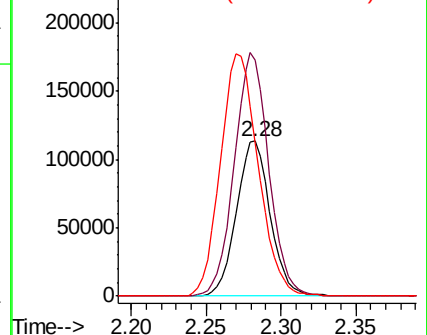
63 98.9 86.5 160.7

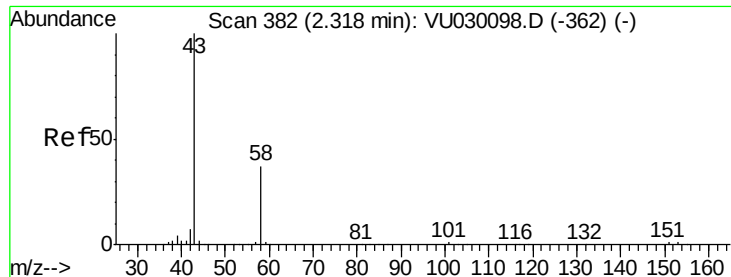


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 71.007 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

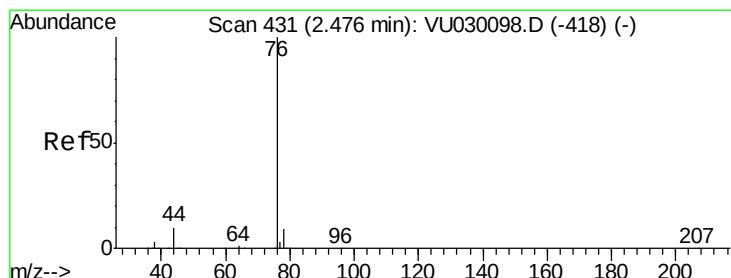
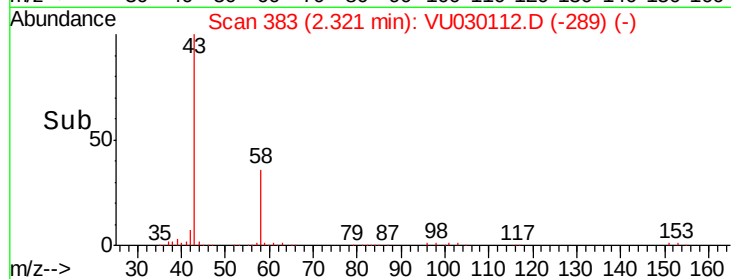
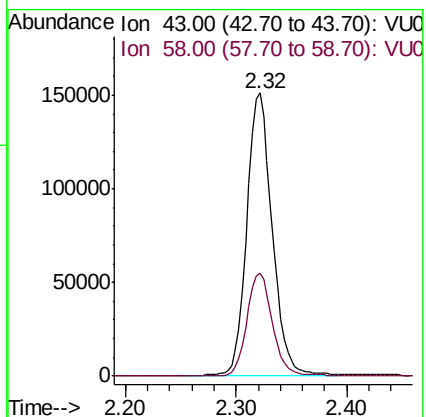
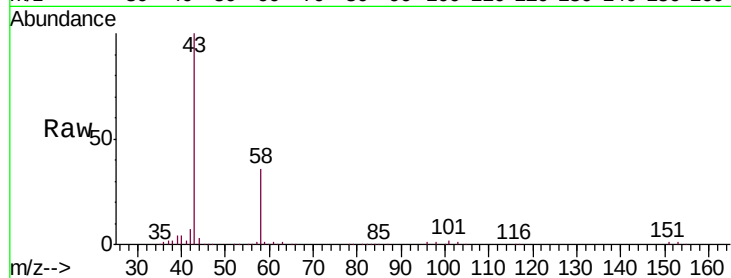
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

Tgt Ion: 43 Resp: 241421

Ion Ratio Lower Upper

43 100

58 36.2 0.0 73.0



#14

Carbon disulfide

Concen: 44.609 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030112.D

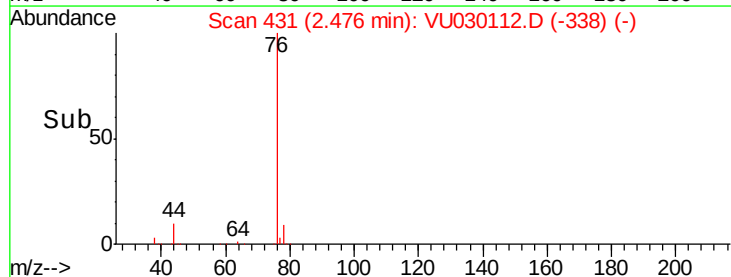
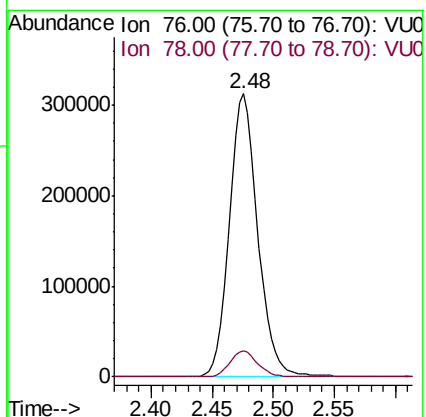
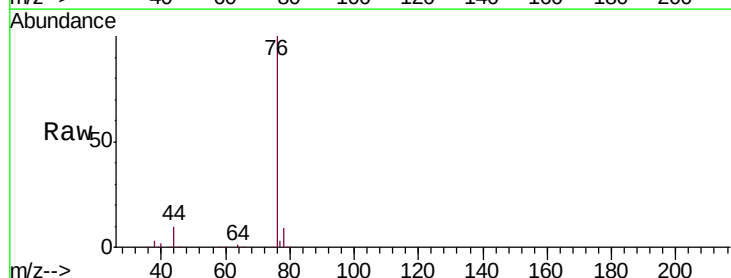
Acq: 15 Mar 2019 15:40

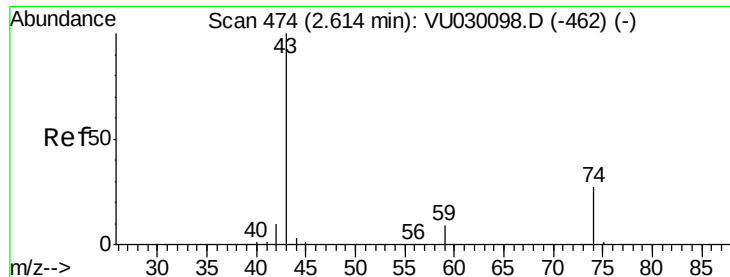
Tgt Ion: 76 Resp: 508495

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

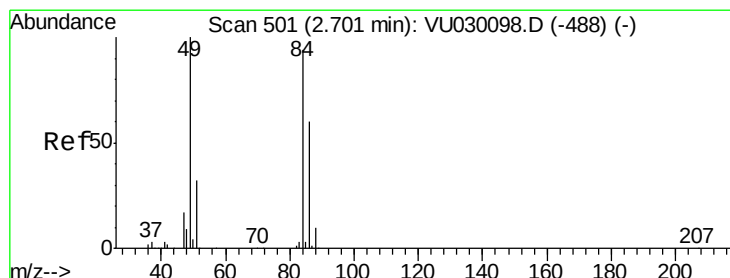
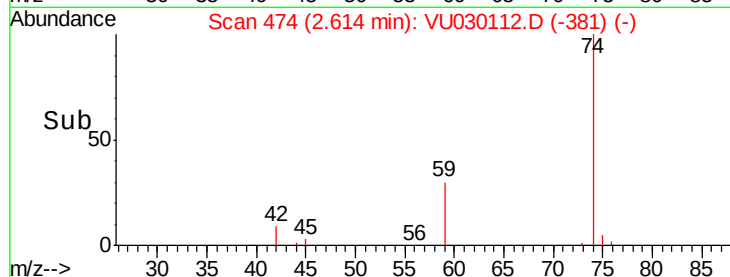
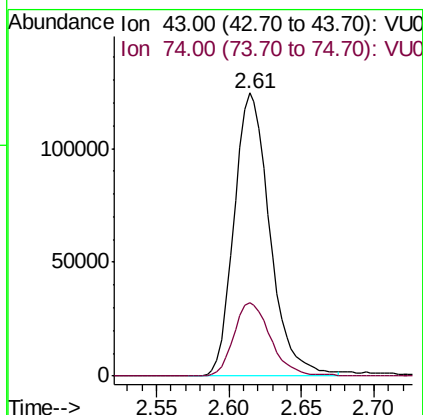
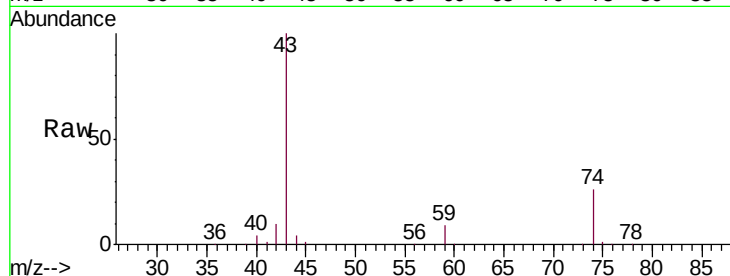




#15
Methyl Acetate
Concen: 48.274 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

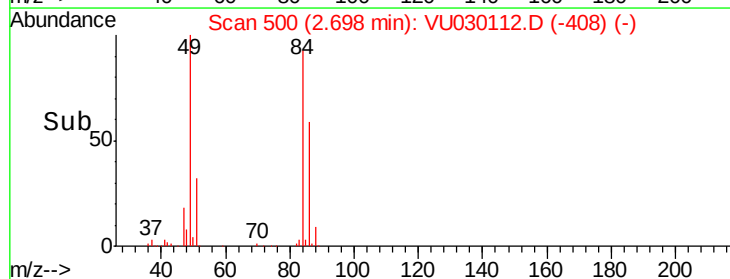
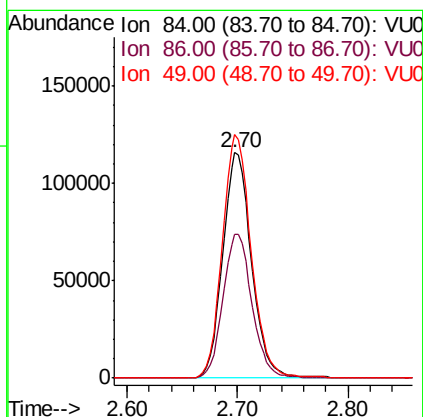
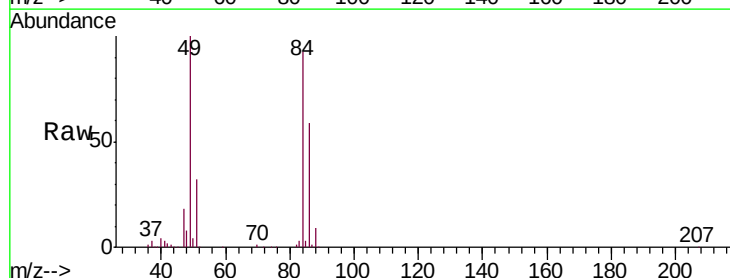
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

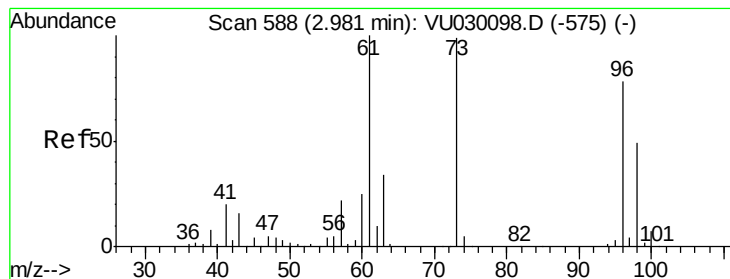
Tgt Ion: 43 Resp: 212050
Ion Ratio Lower Upper
43 100
74 27.0 21.9 32.9



#16
Methylene chloride
Concen: 48.229 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

Tgt Ion: 84 Resp: 209443
Ion Ratio Lower Upper
84 100
86 63.6 45.2 84.0
49 107.9 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 48.373 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

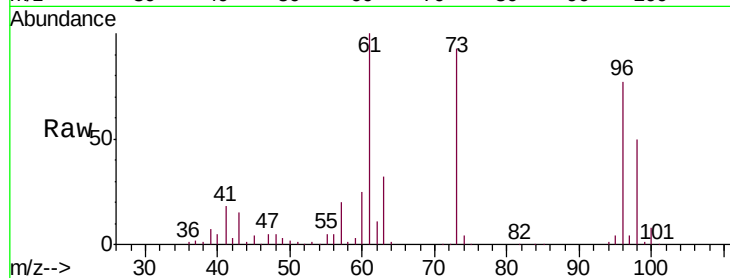
Tgt Ion: 96 Resp: 193740

Ion Ratio Lower Upper

96 100

61 130.4 89.4 166.0

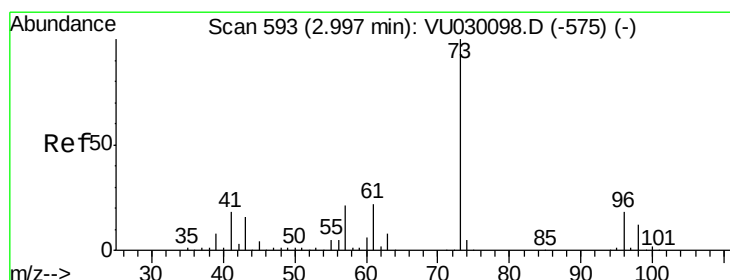
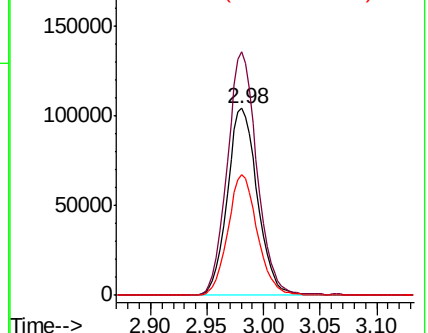
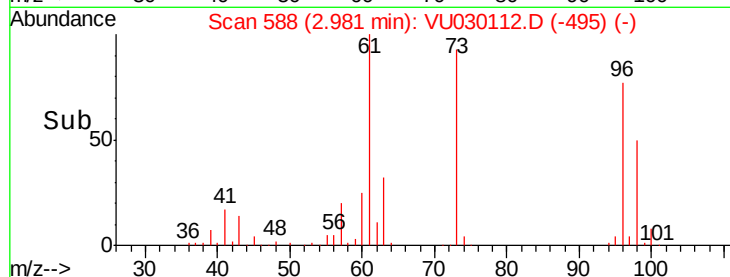
98 64.8 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VU030112.D (-500) (-)

Ion 61.00 (60.70 to 61.70): VU030112.D (-500) (-)

Ion 98.00 (97.70 to 98.70): VU030112.D (-500) (-)



#18

Methyl tert-butyl Ether

Concen: 49.814 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

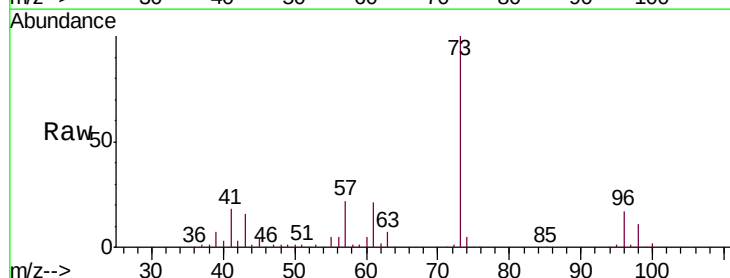
Tgt Ion: 73 Resp: 591714

Ion Ratio Lower Upper

73 100

43 16.3 13.1 19.7

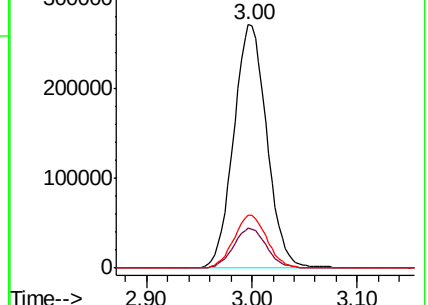
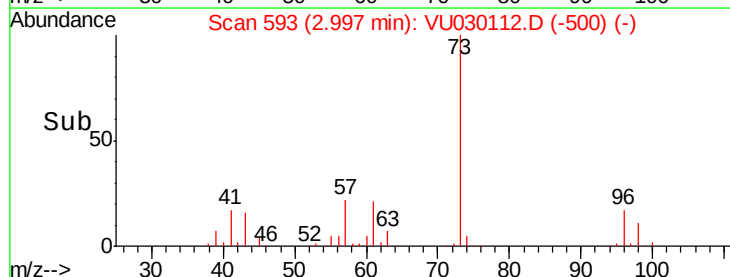
57 21.7 17.1 25.7

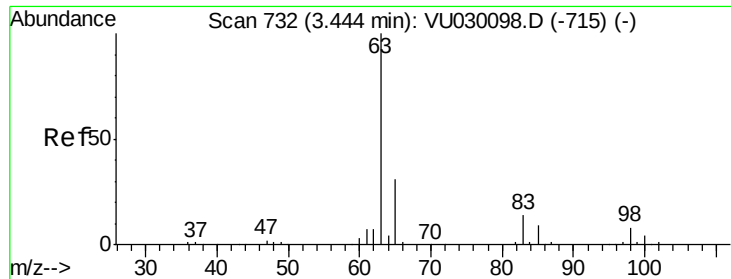


Abundance Ion 73.00 (72.70 to 73.70): VU030112.D (-500) (-)

Ion 43.00 (42.70 to 43.70): VU030112.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU030112.D (-500) (-)

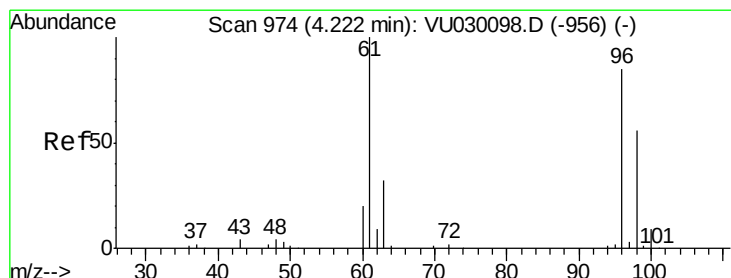
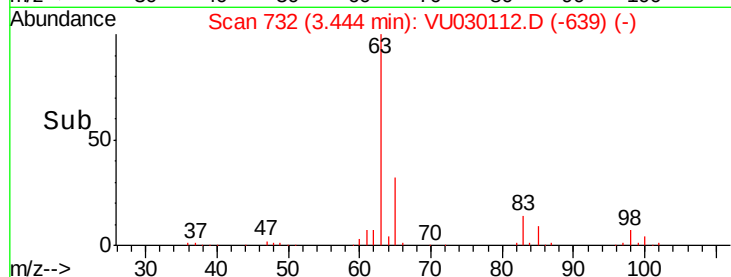
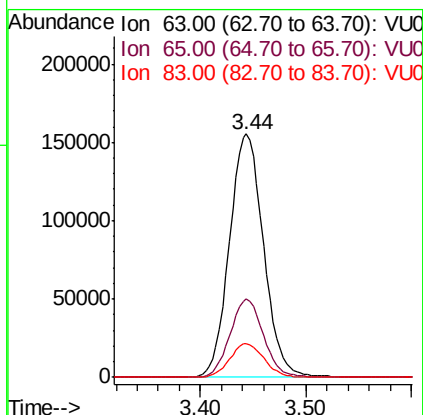
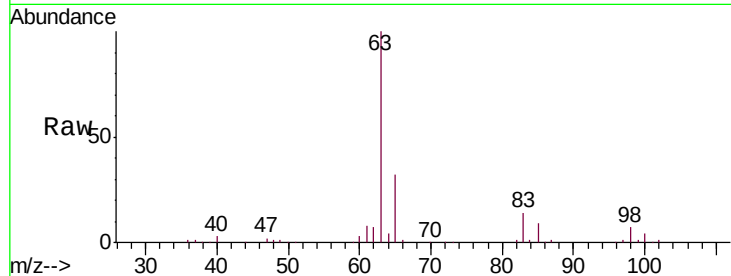




#19
 1,1-Dichloroethane
 Concen: 50.648 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

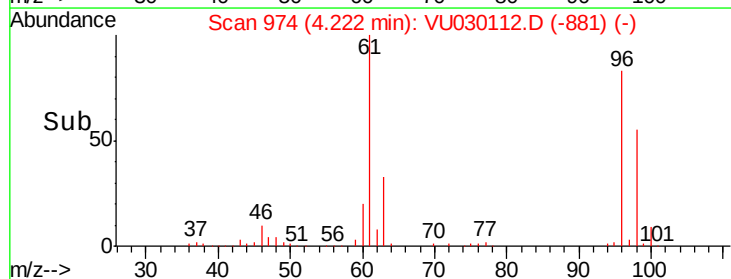
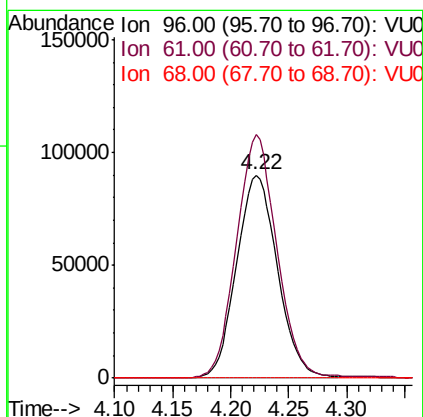
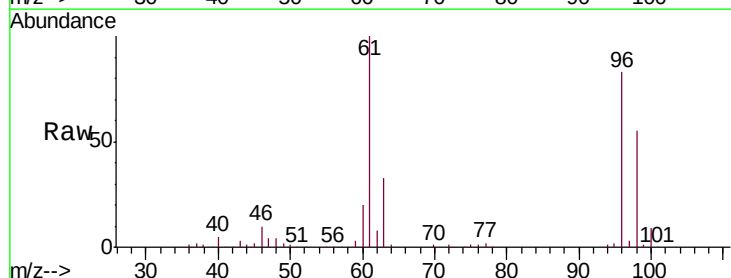
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

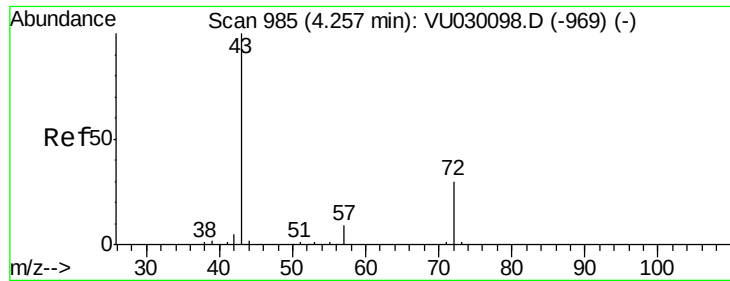
Tgt Ion: 63 Resp: 348285
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.0 41.0
 83 13.9 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 48.458 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Tgt Ion: 96 Resp: 220945
 Ion Ratio Lower Upper
 96 100
 61 120.1 80.8 150.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 84.774 ug/L

RT: 4.26 min Scan# 985

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampled :

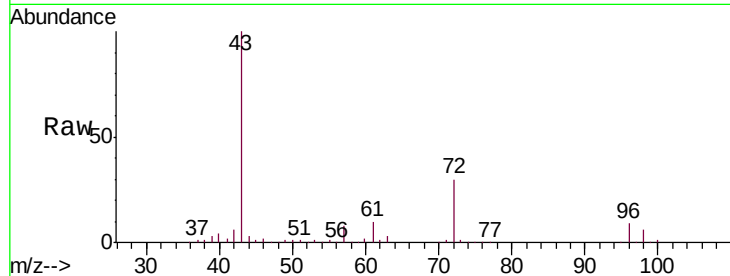
VSTD05039

Tgt Ion: 43 Resp: 328135

Ion Ratio Lower Upper

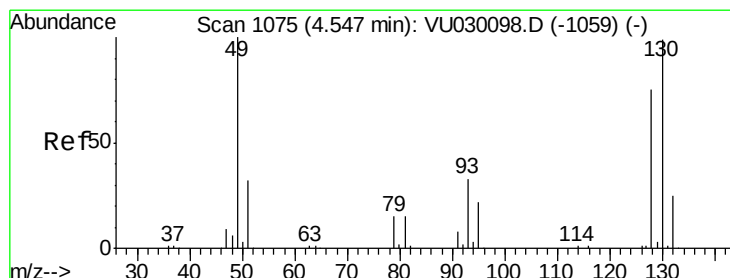
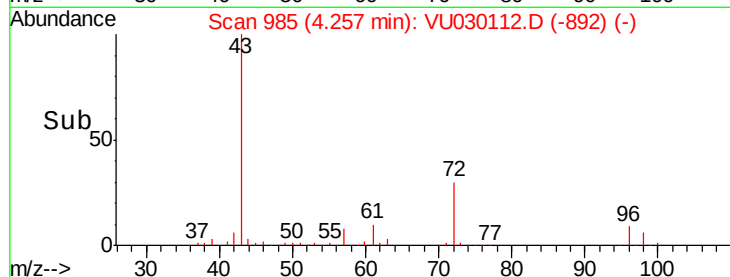
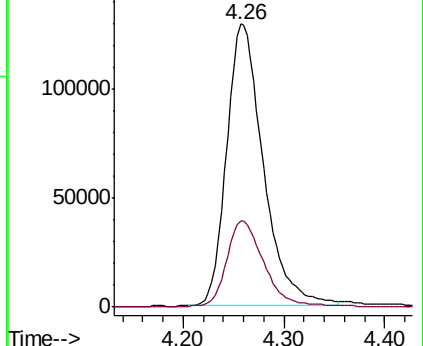
43 100

72 31.1 15.3 45.9



Abundance Ion 43.00 (42.70 to 43.70): VU030112.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VU030112.D (-892) (-)



#23

Bromochloromethane

Concen: 49.133 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Tgt Ion: 128 Resp: 116046

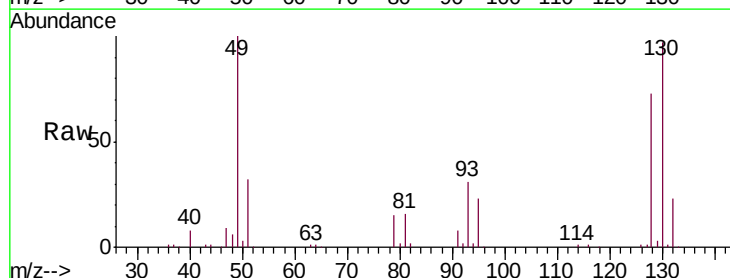
Ion Ratio Lower Upper

128 100

49 136.5 94.5 175.5

130 132.5 91.4 169.8

51 43.4 34.2 51.2

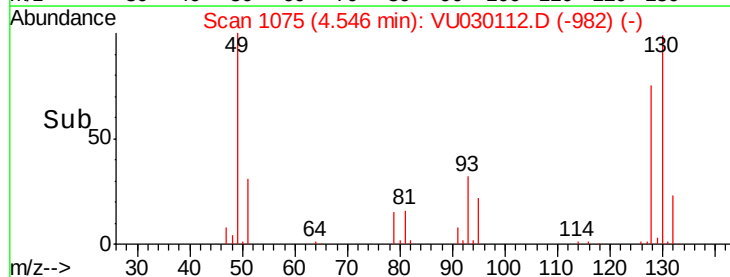
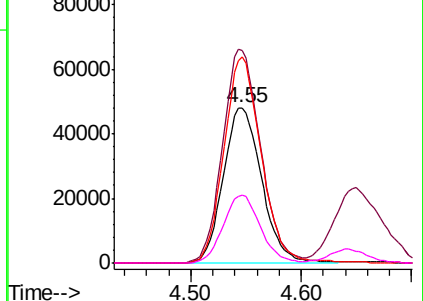


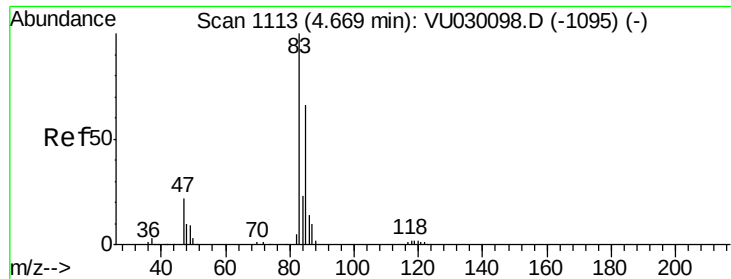
Abundance Ion 128.00 (127.70 to 128.70): VU030112.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VU030112.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VU030112.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VU030112.D (-982) (-)

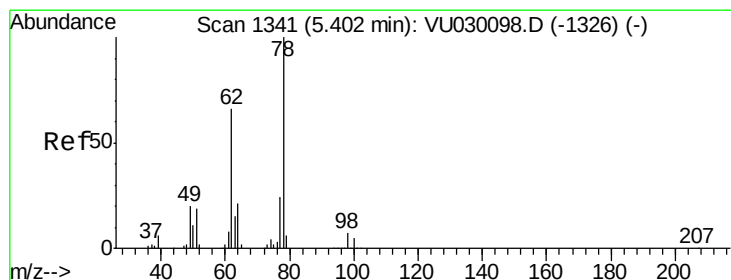
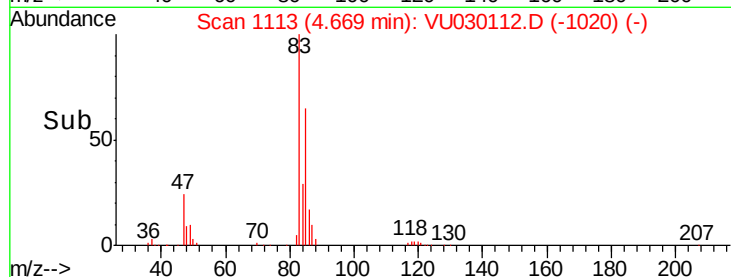
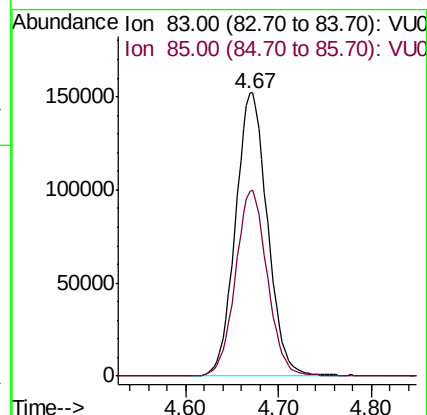
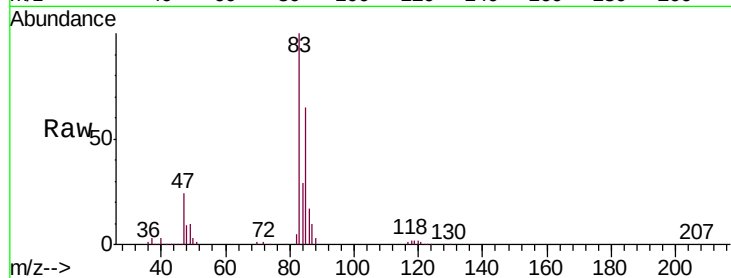




#25
Chloroform
Concen: 50.356 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

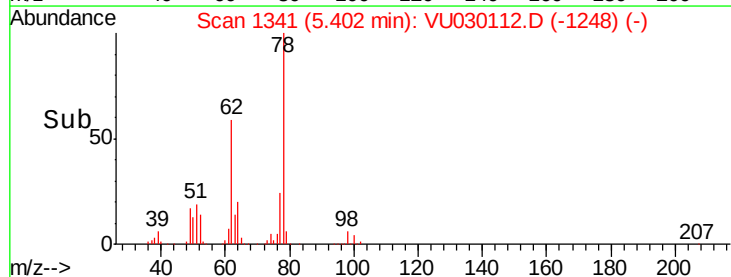
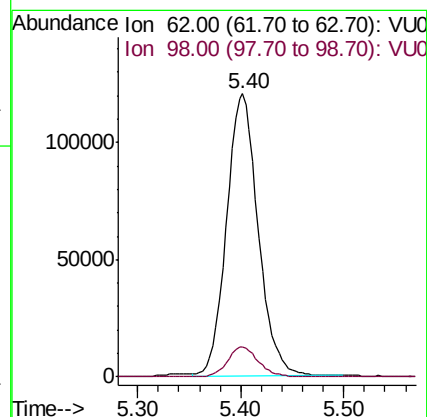
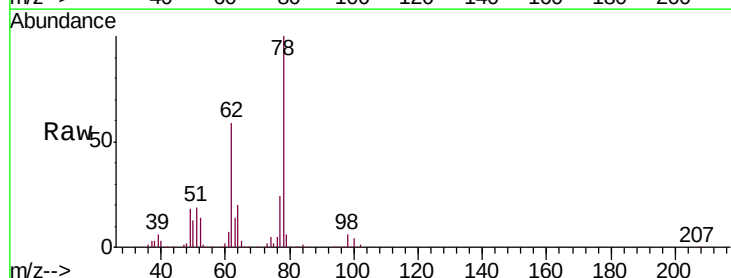
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

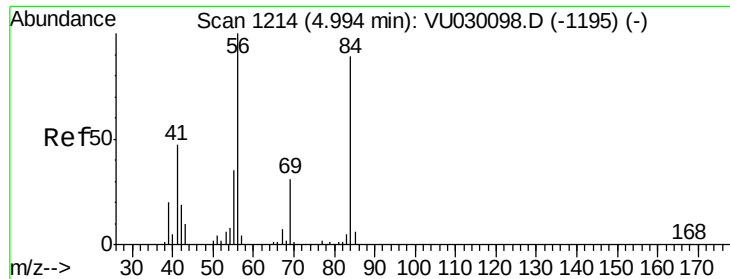
Tgt Ion: 83 Resp: 363441
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 49.573 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

Tgt Ion: 62 Resp: 257231
Ion Ratio Lower Upper
62 100
98 10.6 8.8 13.2

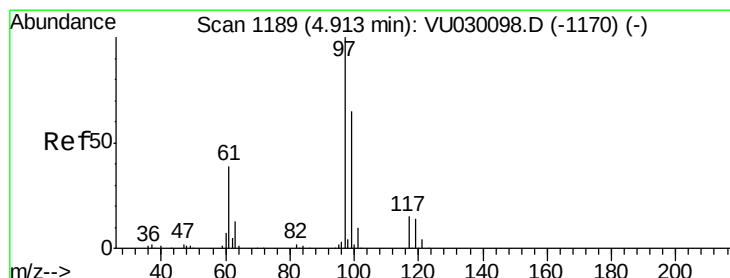
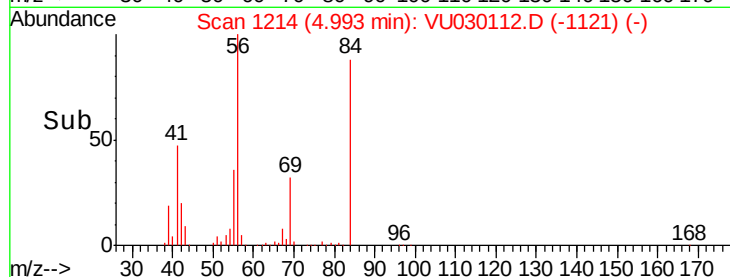
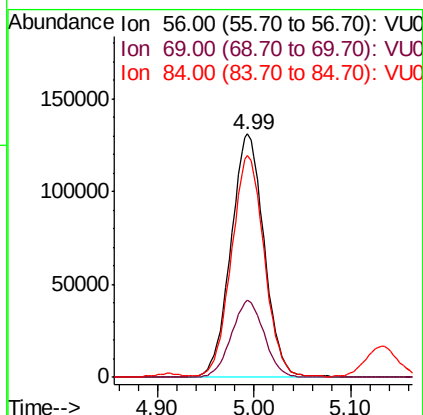
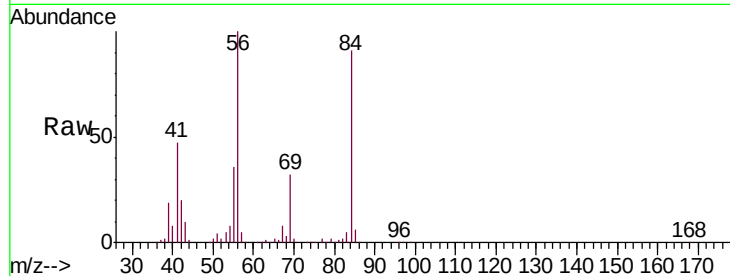




#29
Cyclohexane
Concen: 49.197 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

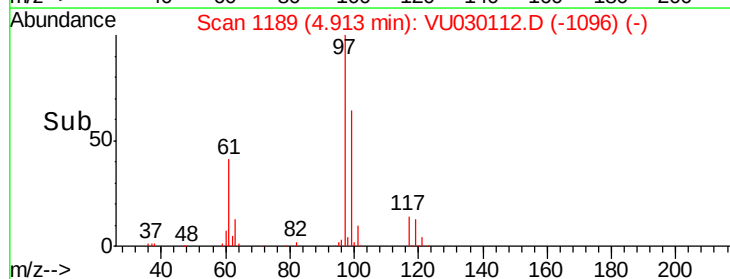
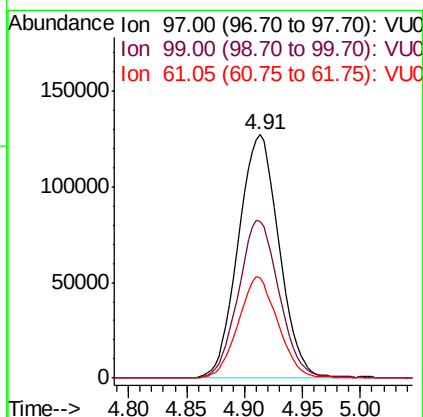
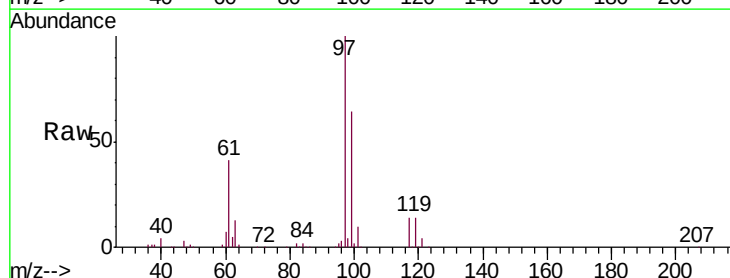
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

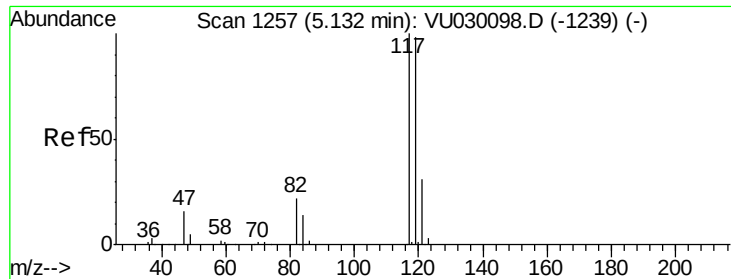
Tgt Ion: 56 Resp: 312430
Ion Ratio Lower Upper
56 100
69 31.2 25.3 37.9
84 89.4 73.5 110.3



#30
1,1,1-Trichloroethane
Concen: 49.499 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

Tgt Ion: 97 Resp: 311141
Ion Ratio Lower Upper
97 100
99 64.8 52.2 78.2
61 40.4 32.2 48.4

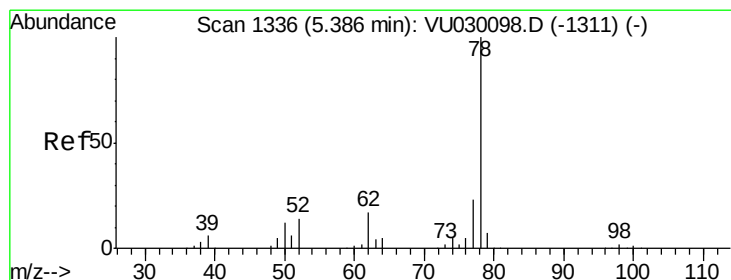
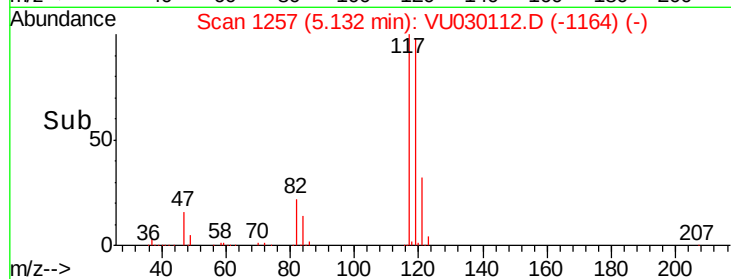
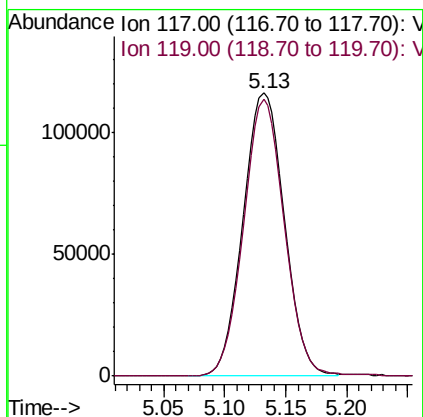
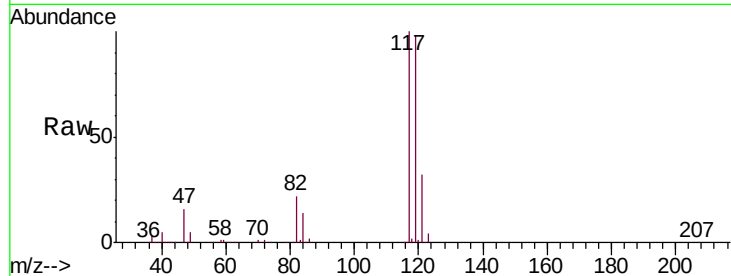




#31
Carbon tetrachloride
Concen: 49.048 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

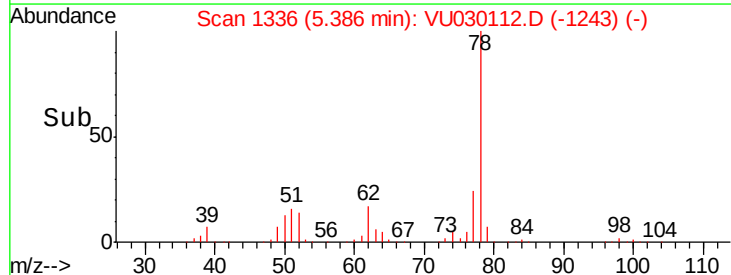
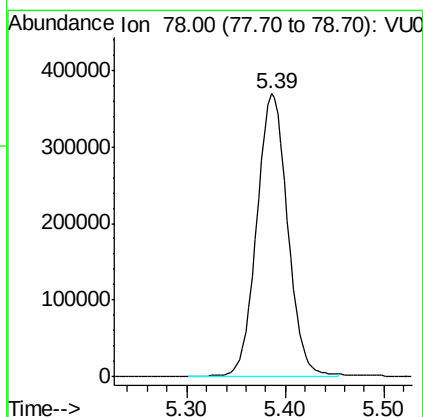
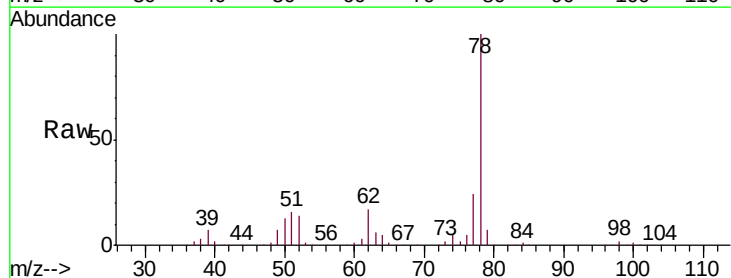
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

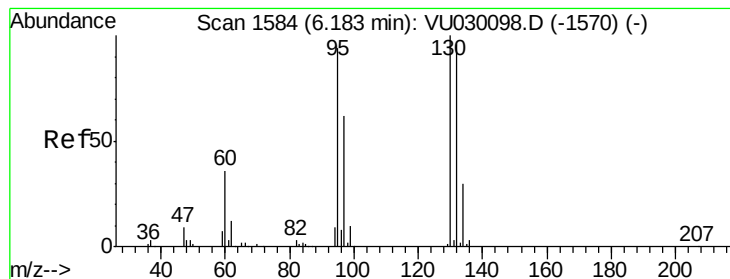
Tgt Ion:117 Resp: 272244
Ion Ratio Lower Upper
117 100
119 96.0 77.3 115.9



#33
Benzene
Concen: 48.486 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

Tgt Ion: 78 Resp: 798874





#34

Trichloroethene

Concen: 49.175 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

Tgt Ion: 95 Resp: 212350

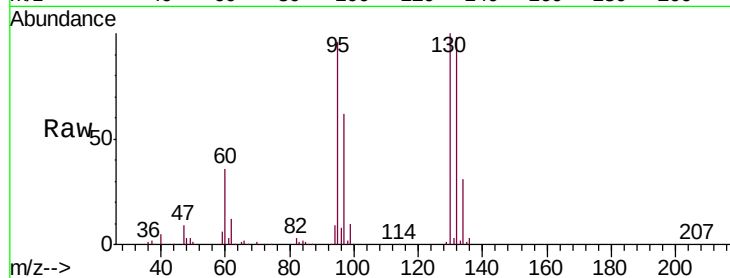
Ion Ratio Lower Upper

95 100

97 64.2 45.5 84.5

132 101.9 71.5 132.7

130 104.1 73.5 136.5

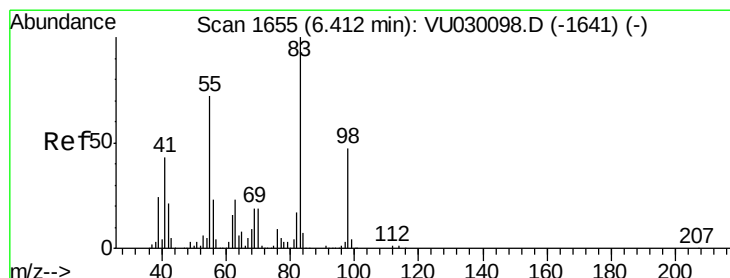
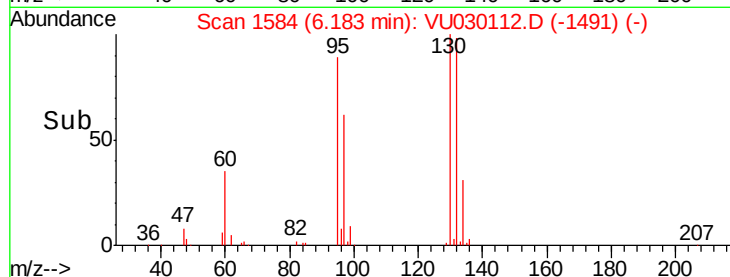
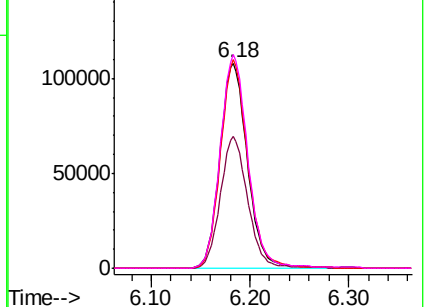


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.088 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

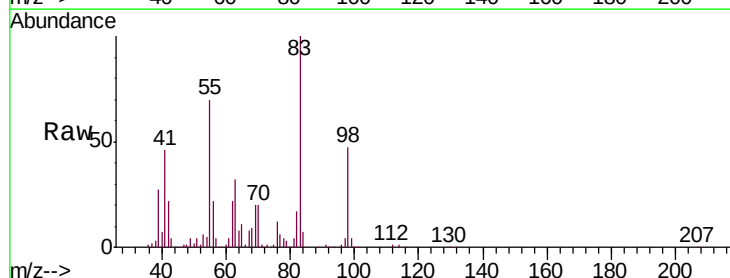
Tgt Ion: 83 Resp: 350745

Ion Ratio Lower Upper

83 100

55 71.5 56.6 84.8

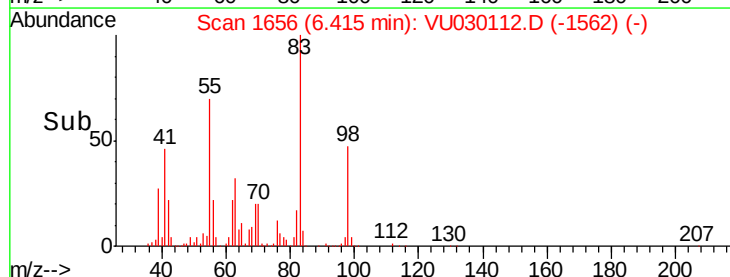
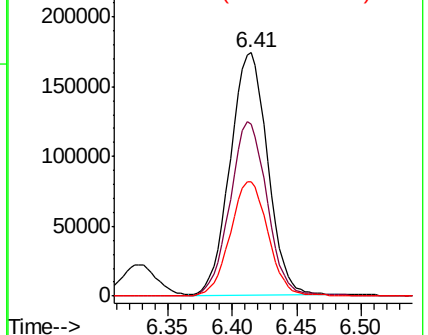
98 47.7 37.8 56.6

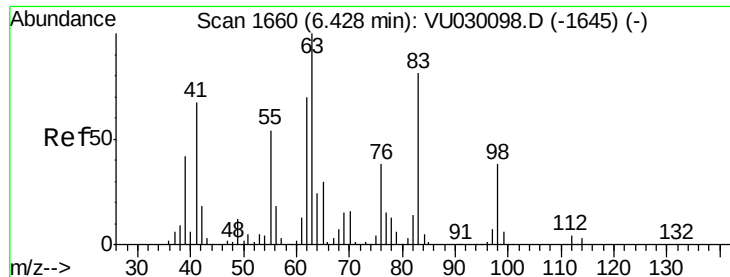


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

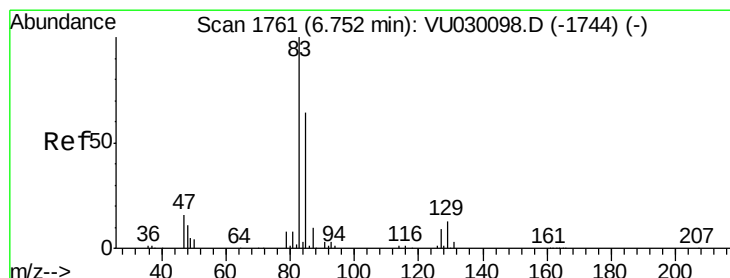
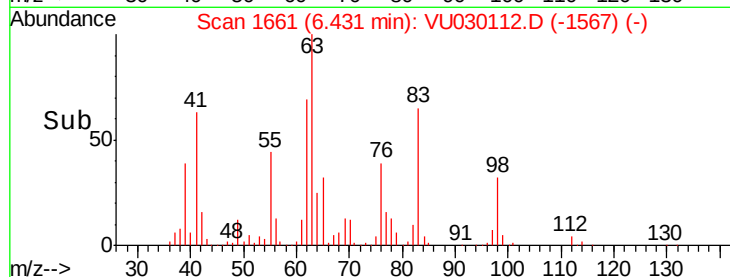
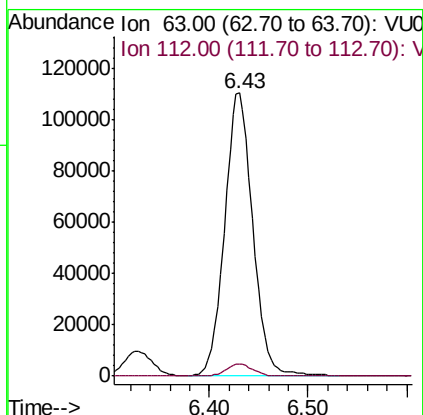
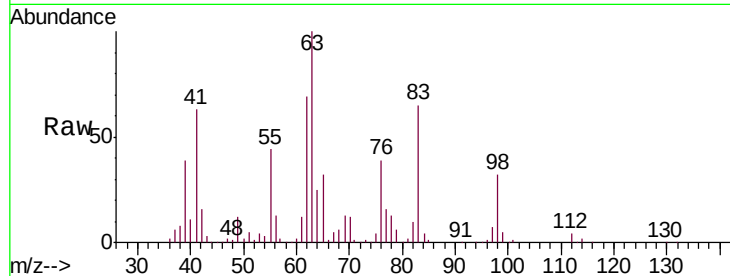




#37
 1,2-Dichloropropane
 Concen: 50.842 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

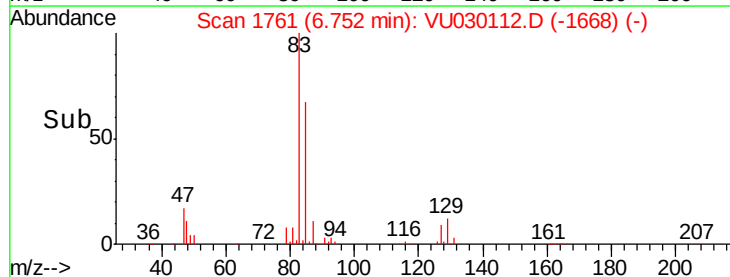
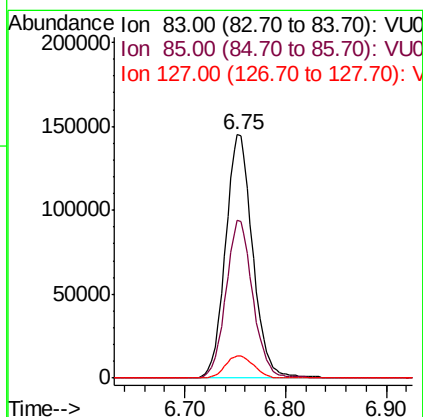
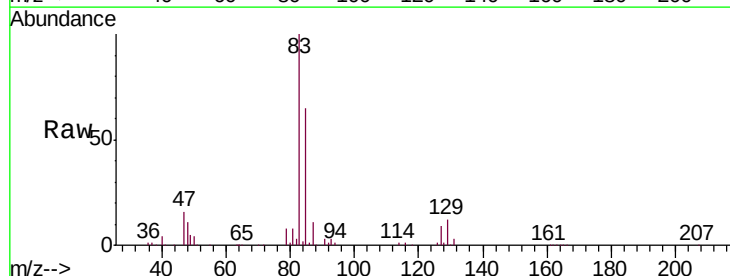
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

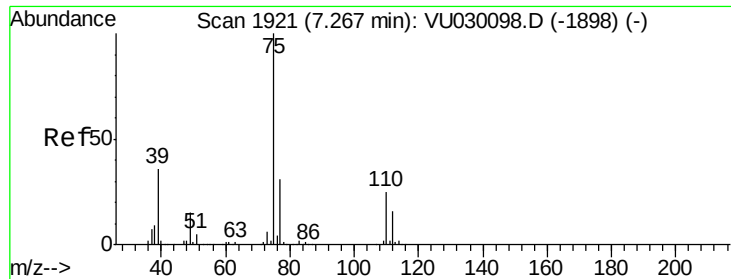
Tgt Ion: 63 Resp: 220345
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.2



#38
 Bromodichloromethane
 Concen: 50.325 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Tgt Ion: 83 Resp: 271217
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.7 84.9
 127 9.1 7.7 11.5

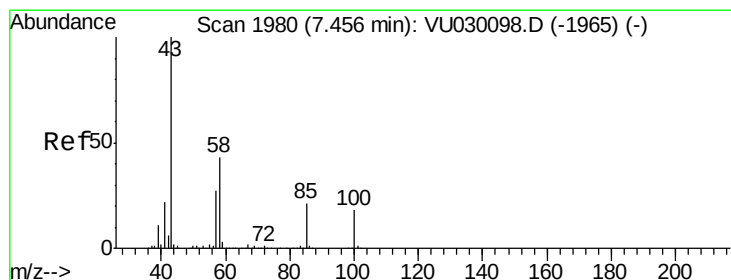
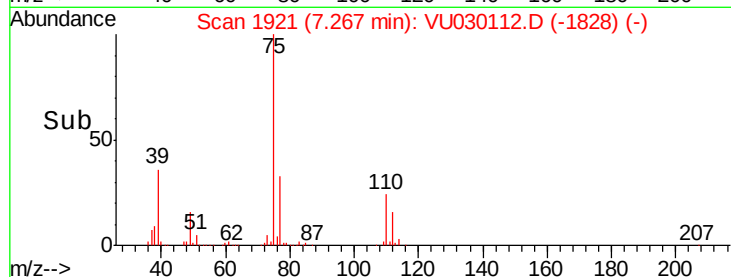
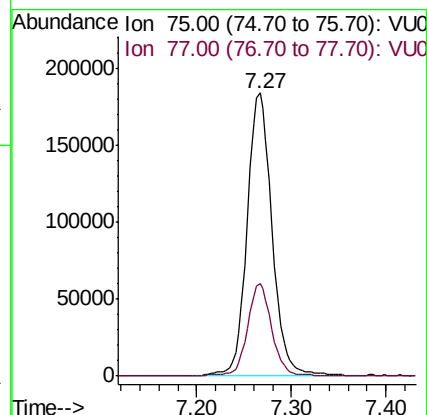
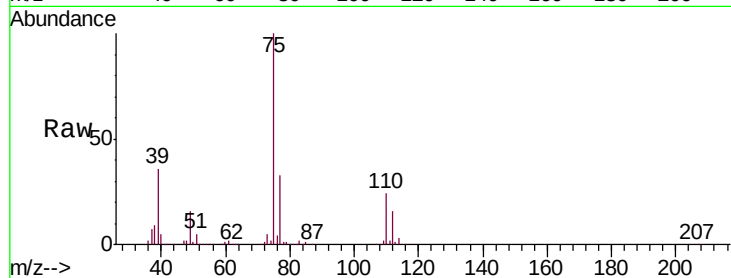




#39
 cis-1,3-Dichloropropene
 Concen: 50.116 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

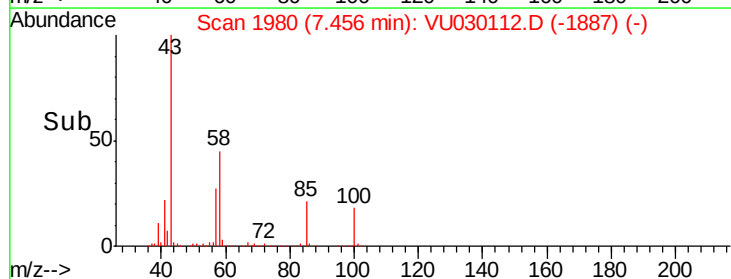
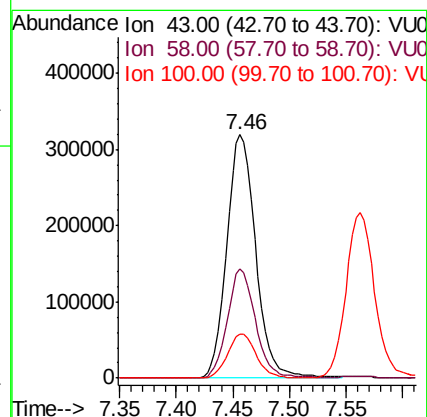
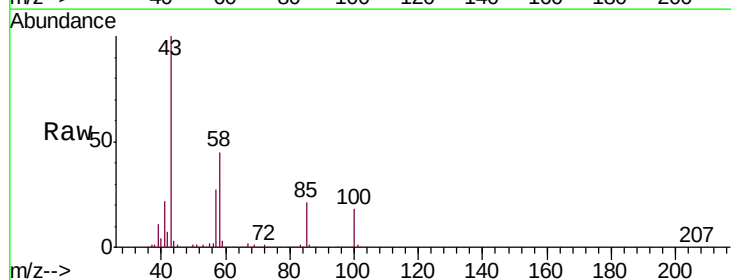
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

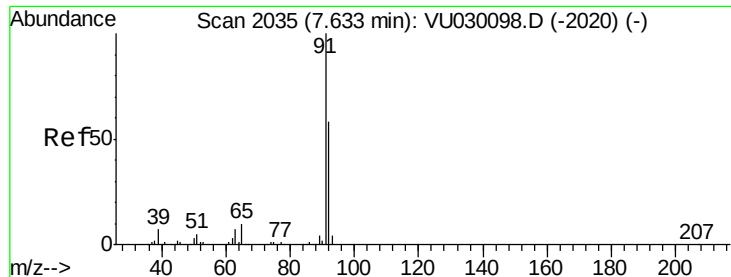
Tgt Ion: 75 Resp: 338006
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 97.039 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Tgt Ion: 43 Resp: 567856
 Ion Ratio Lower Upper
 43 100
 58 43.7 35.1 52.7
 100 17.9 14.4 21.6





#42

Toluene

Concen: 49.437 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

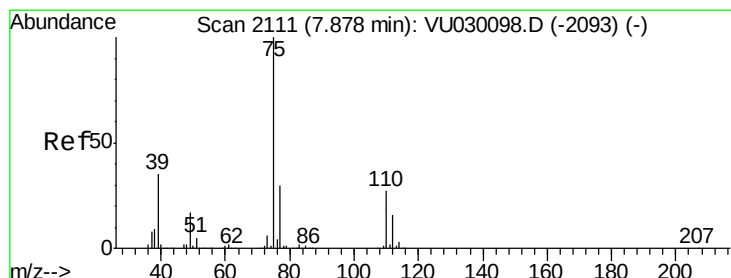
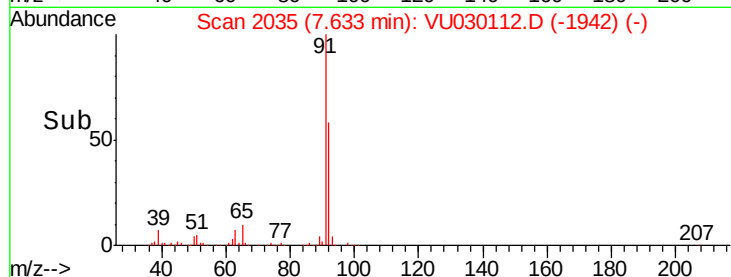
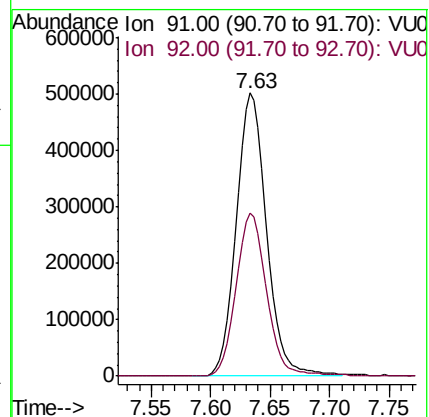
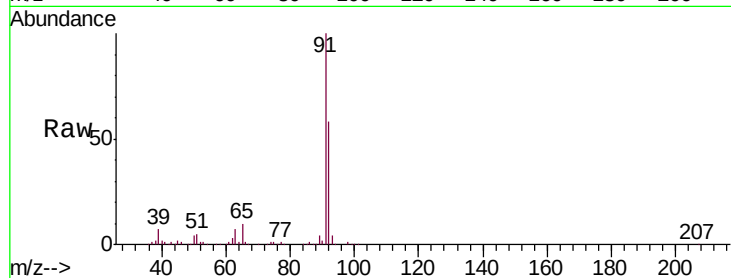
VSTD05039

Tgt Ion: 91 Resp: 885610

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 49.955 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030112.D

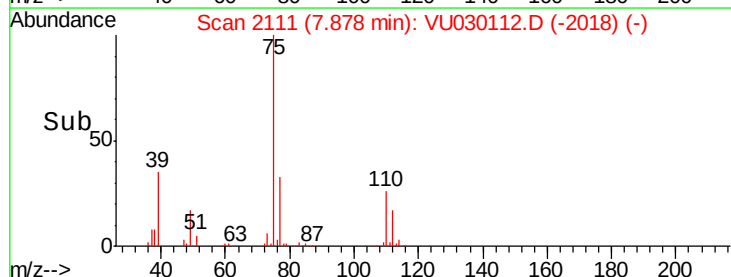
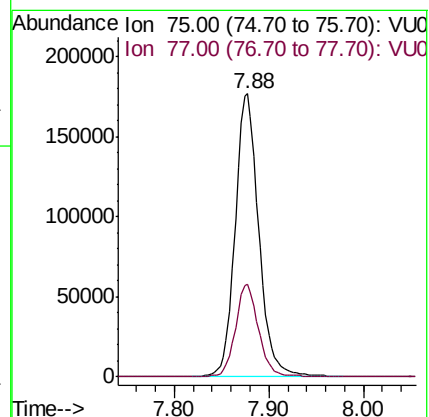
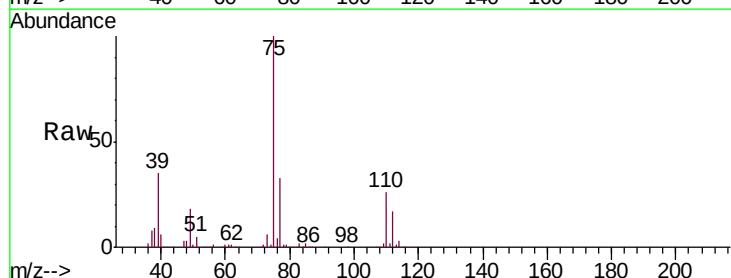
Acq: 15 Mar 2019 15:40

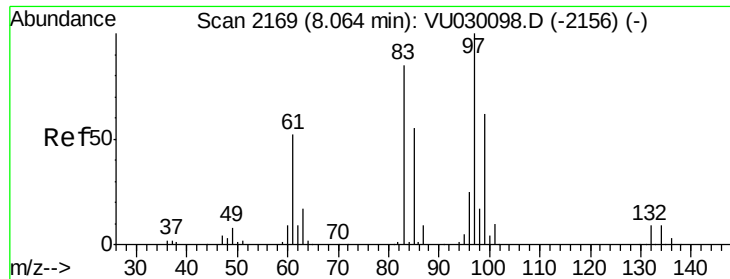
Tgt Ion: 75 Resp: 307626

Ion Ratio Lower Upper

75 100

77 32.6 21.9 40.7

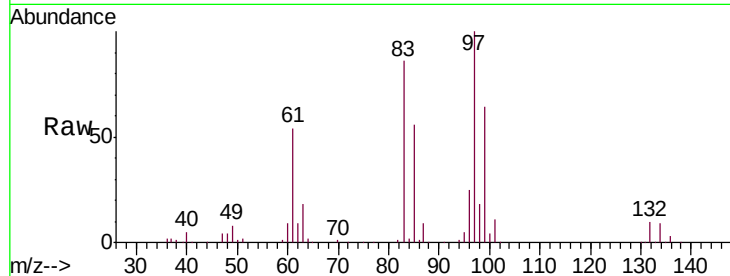




#45
 1,1,2-Trichloroethane
 Concen: 49.983 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Tgt Ion:	97	Resp:	216639
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.7	82.9
83	85.7	58.6	108.8
85	55.9	38.1	70.7



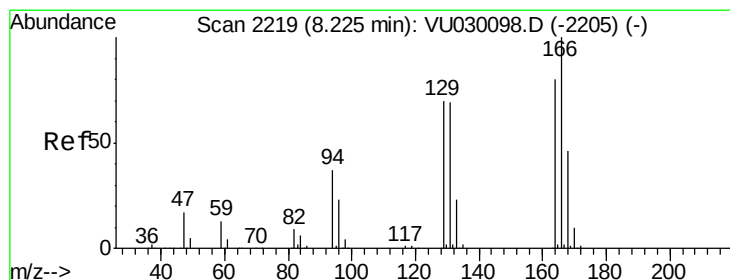
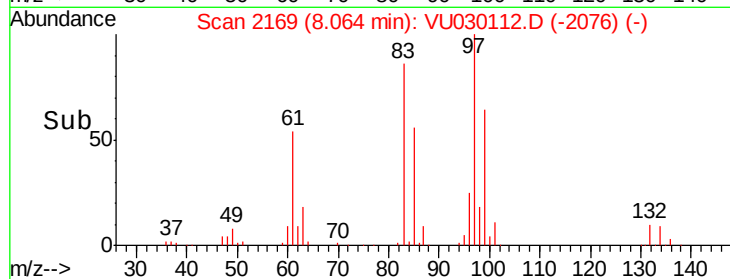
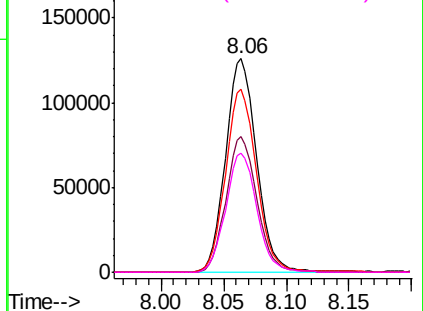
Abundance

Ion 97.00 (96.70 to 97.70): VU030098.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU030098.D (-2156) (-)

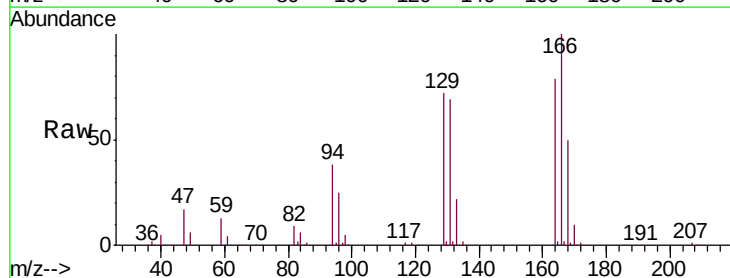
Ion 83.00 (82.70 to 83.70): VU030098.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU030098.D (-2156) (-)



#46
 Tetrachloroethene
 Concen: 50.107 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Tgt Ion:	164	Resp:	189357
Ion	Ratio	Lower	Upper
164	100		
129	91.5	63.3	117.7
131	87.0	62.0	115.2
166	126.6	90.5	168.1



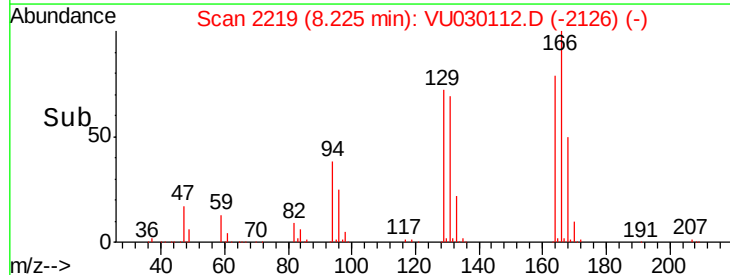
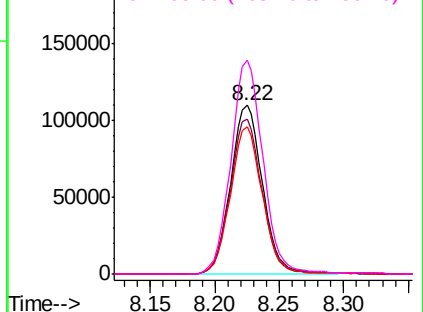
Abundance

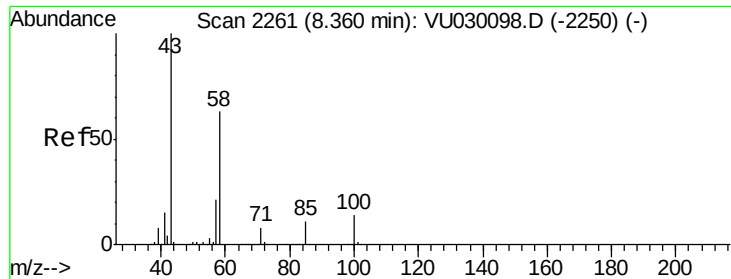
Ion 164.00 (163.70 to 164.70): VU030098.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU030098.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU030098.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU030098.D (-2205) (-)

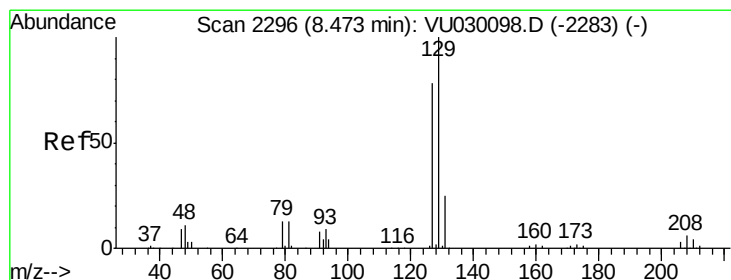
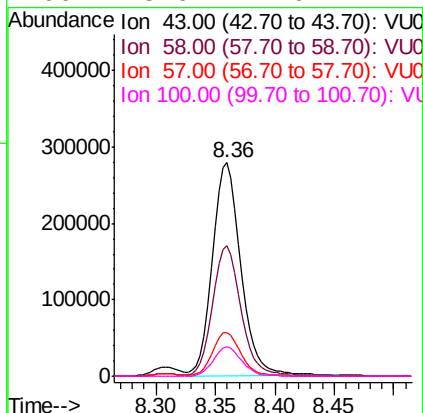
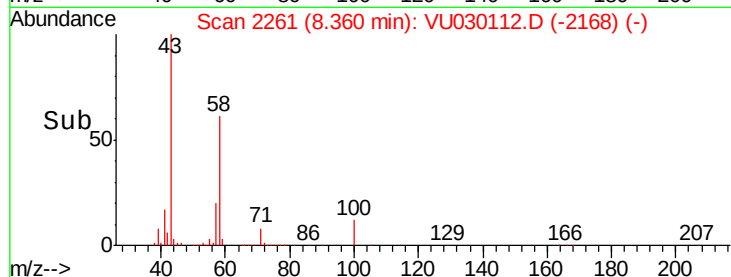
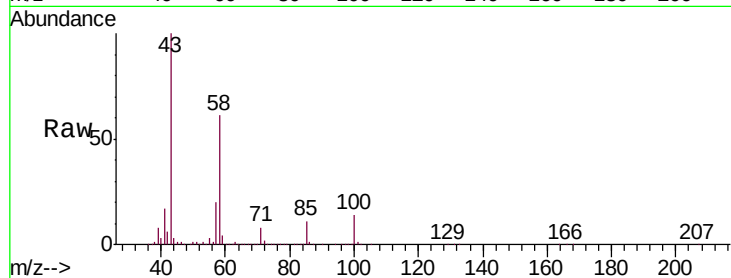




#48
2-Hexanone
Concen: 92.559 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

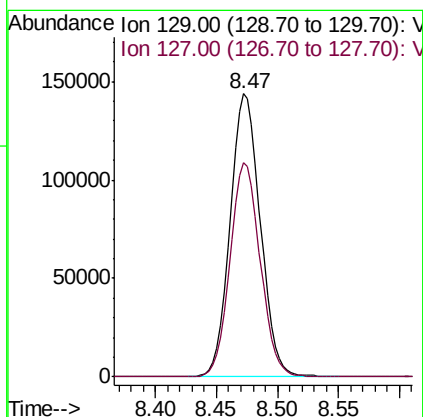
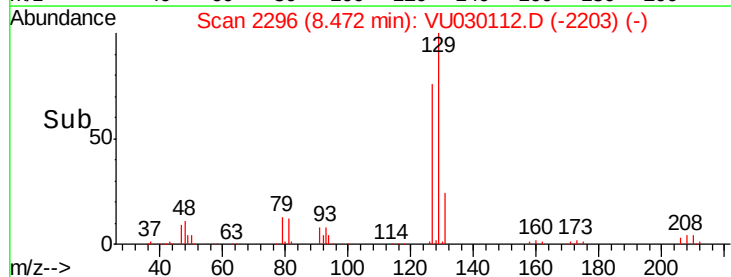
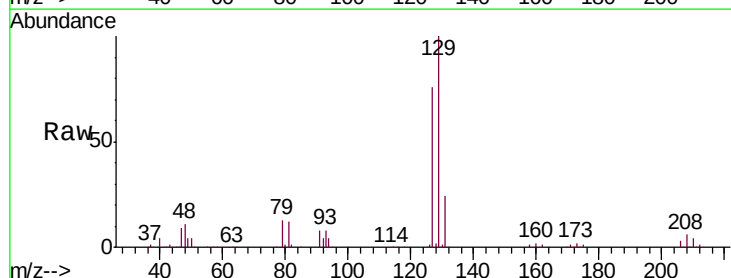
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

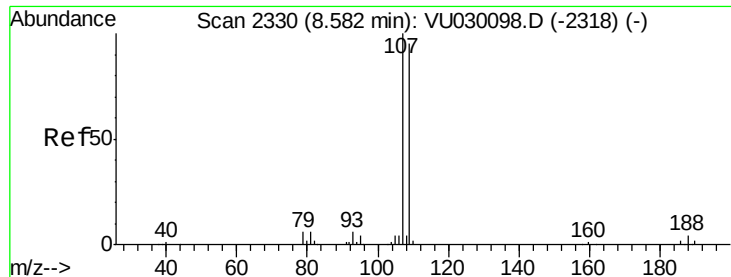
Tgt Ion: 43 Resp: 462080
Ion Ratio Lower Upper
43 100
58 61.0 48.6 72.8
57 20.5 16.1 24.1
100 13.6 11.6 17.4



#49
Dibromochloromethane
Concen: 51.127 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

Tgt Ion: 129 Resp: 247582
Ion Ratio Lower Upper
129 100
127 75.5 55.2 102.4

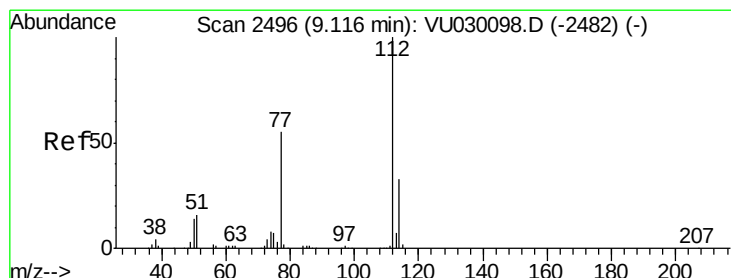
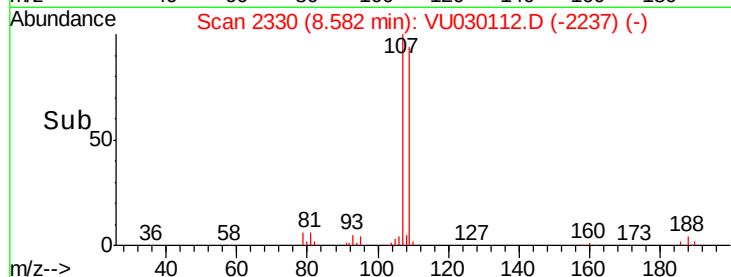
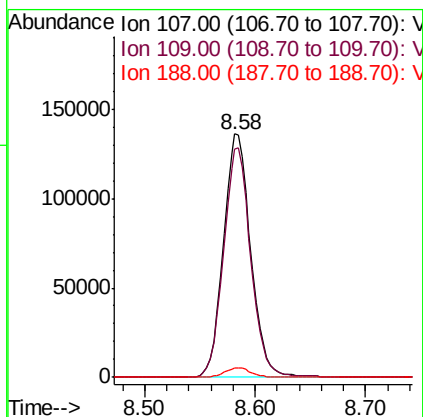
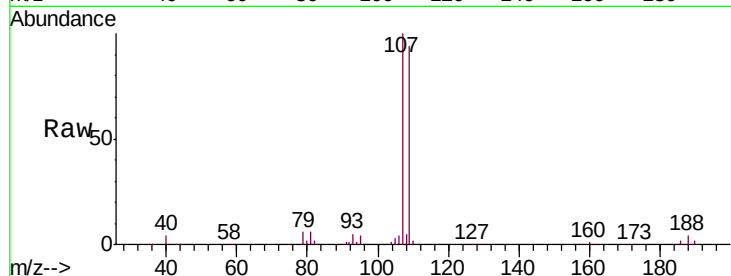




#50
1,2-Dibromoethane
Concen: 48.809 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

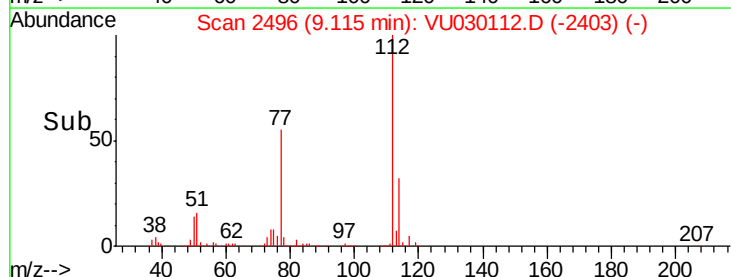
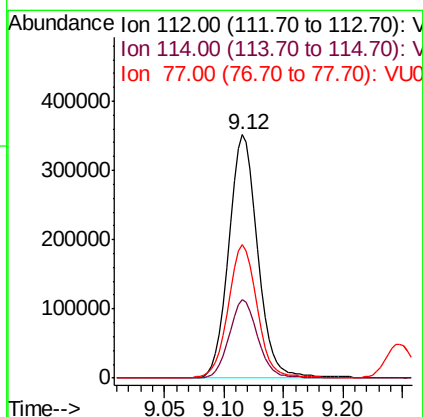
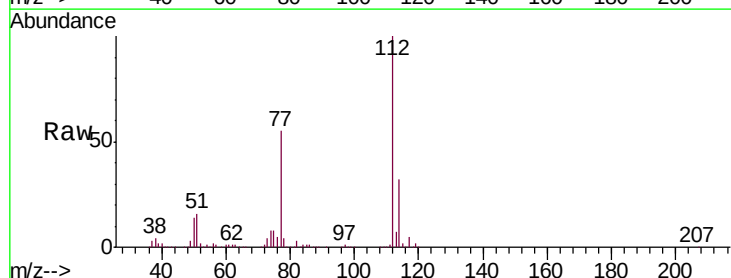
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

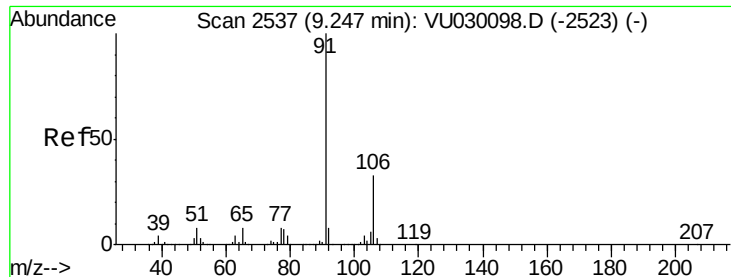
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	67.8	126.0
188	3.7	3.2	4.8



#51
Chlorobenzene
Concen: 49.156 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030112.D
Acq: 15 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.9
77	54.6	44.6	66.8





#52

Ethylbenzene

Concen: 49.447 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

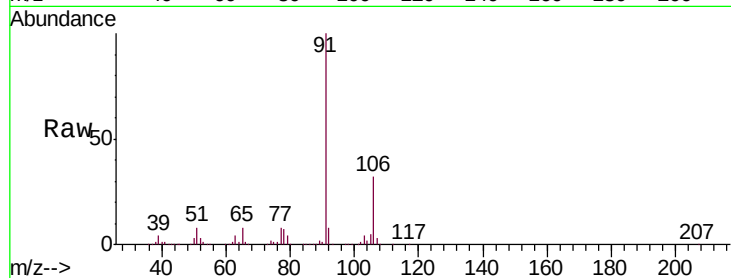
VSTD05039

Tgt Ion: 91 Resp: 975137

Ion Ratio Lower Upper

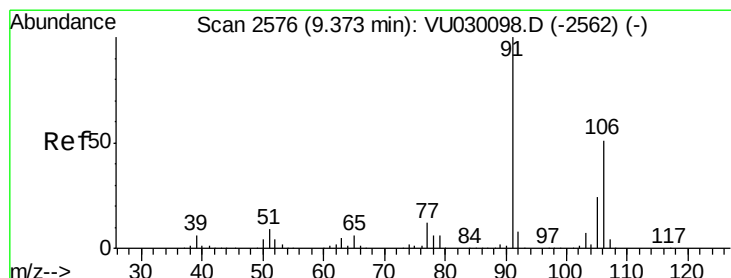
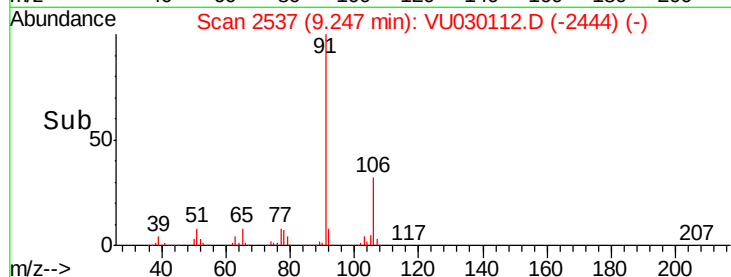
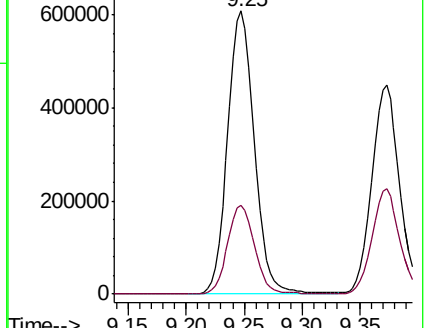
91 100

106 31.6 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VU030098.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU030098.D (-2523) (-)



#53

m,p-Xylene

Concen: 49.037 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU030112.D

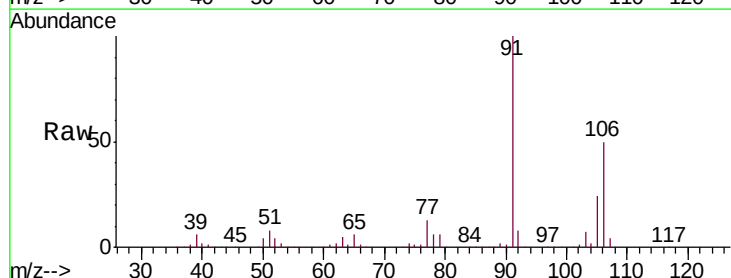
Acq: 15 Mar 2019 15:40

Tgt Ion: 106 Resp: 374149

Ion Ratio Lower Upper

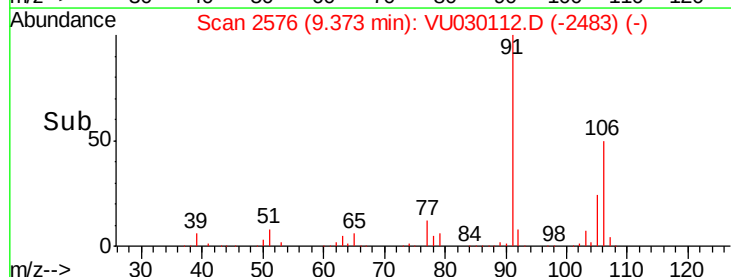
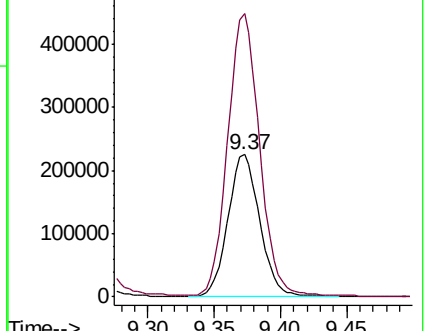
106 100

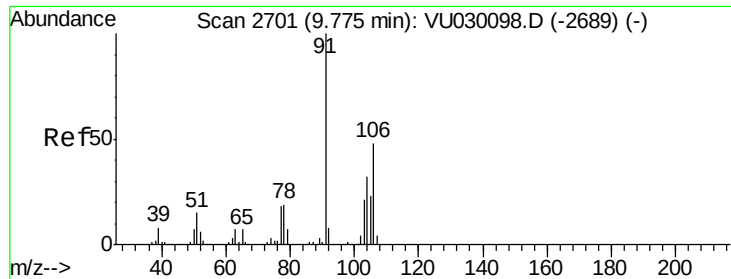
91 198.6 135.1 250.9



Abundance Ion 106.00 (105.70 to 106.70): VU030098.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU030098.D (-2562) (-)





#54

o-xylene

Concen: 50.140 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

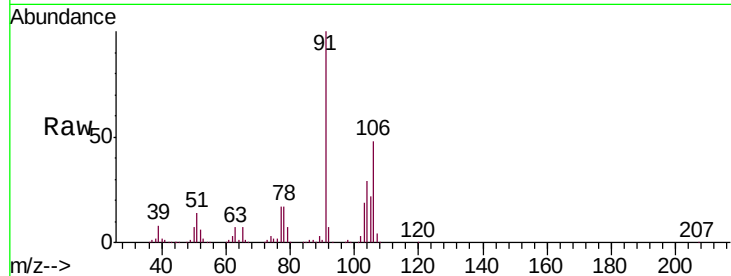
VSTD05039

Tgt Ion:106 Resp: 375770

Ion Ratio Lower Upper

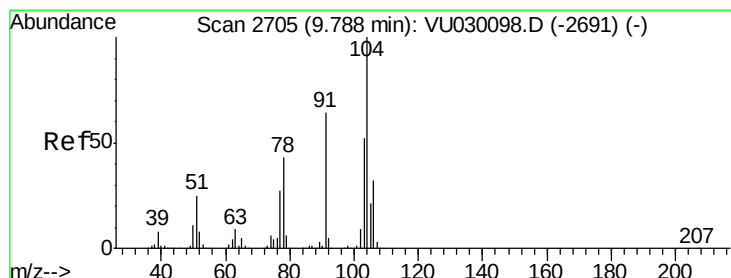
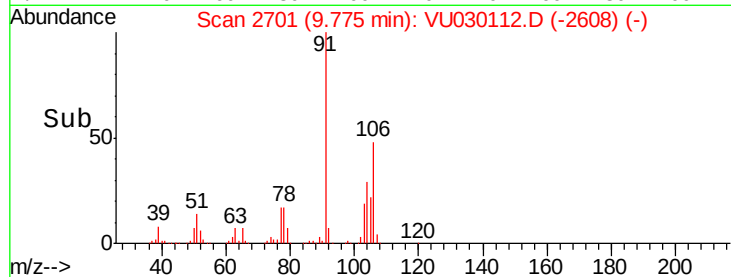
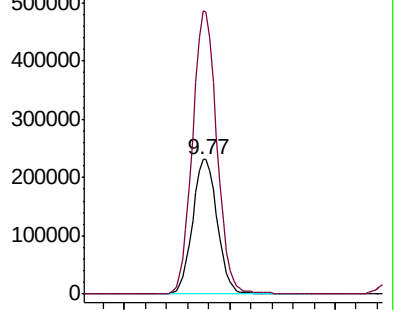
106 100

91 209.9 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.182 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030112.D

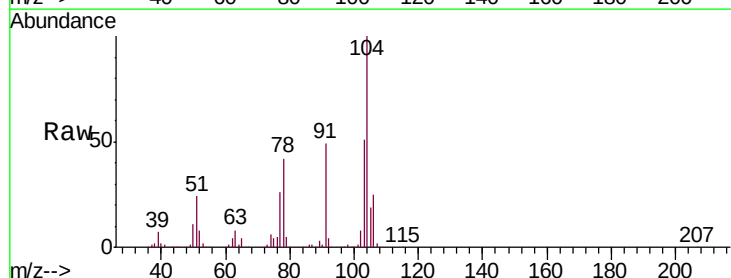
Acq: 15 Mar 2019 15:40

Tgt Ion:104 Resp: 640366

Ion Ratio Lower Upper

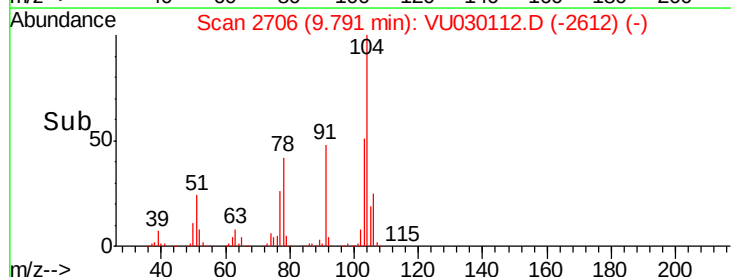
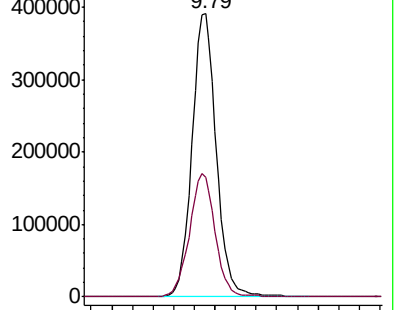
104 100

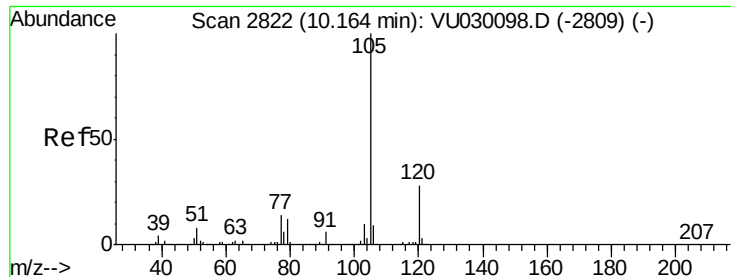
78 42.4 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.718 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

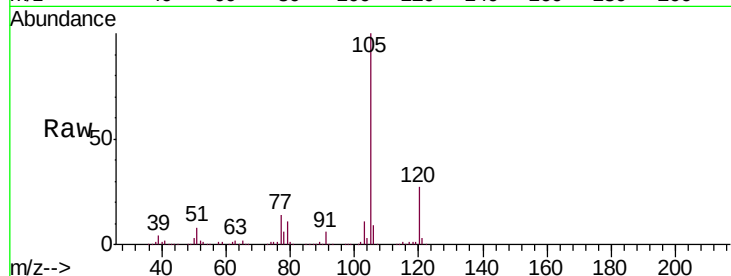
Tgt Ion:105 Resp: 975469

Ion Ratio Lower Upper

105 100

120 27.3 21.7 32.5

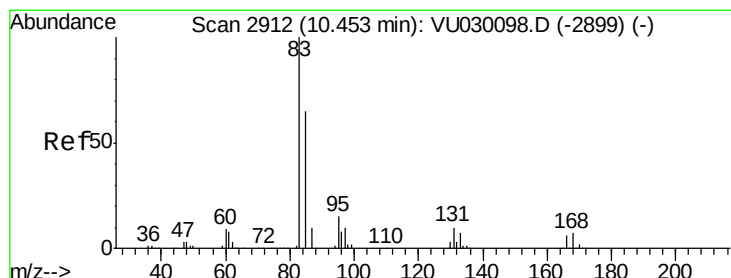
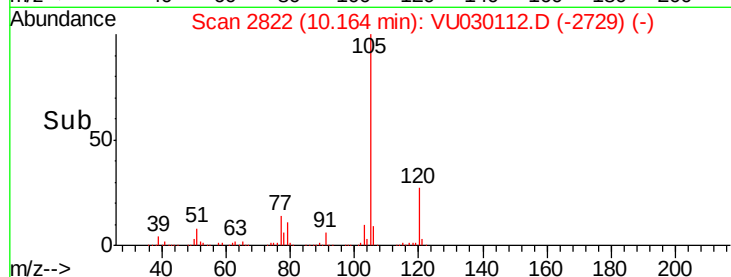
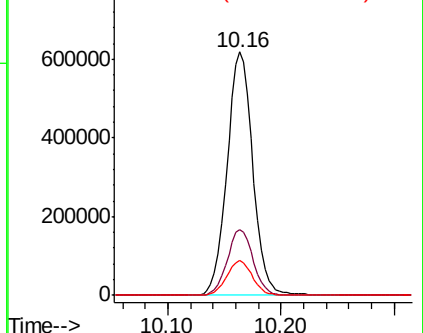
77 14.2 11.1 16.7



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: 50.134 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

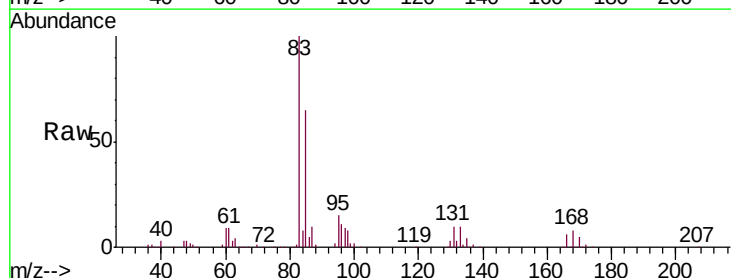
Tgt Ion: 83 Resp: 372947

Ion Ratio Lower Upper

83 100

85 64.7 45.9 85.3

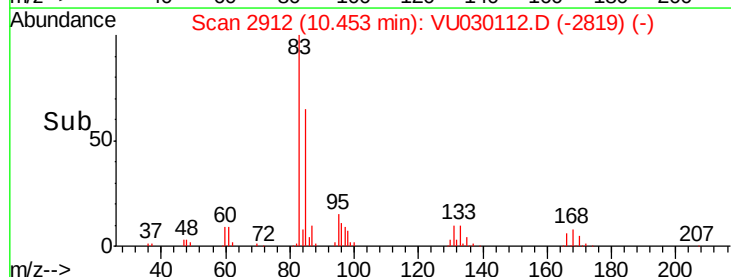
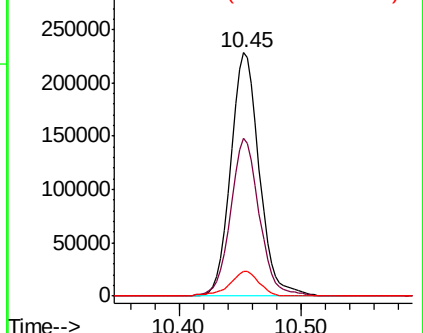
131 10.0 8.5 12.7

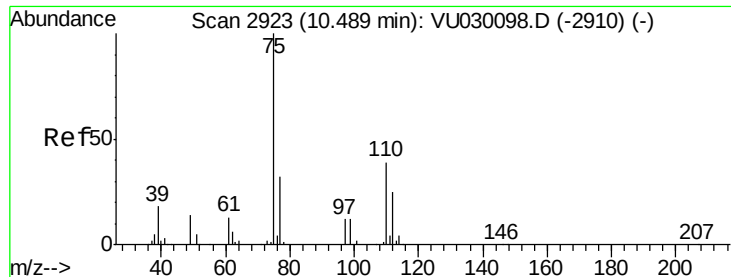


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

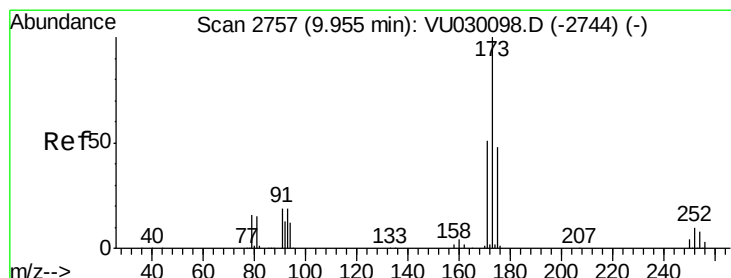
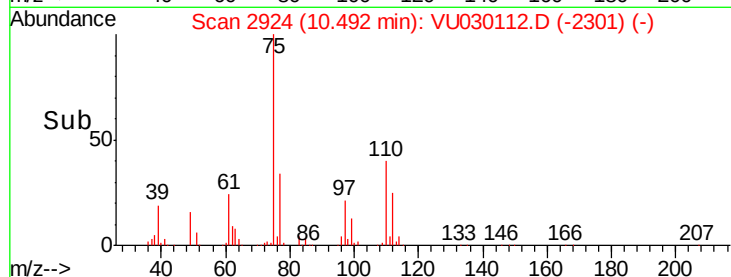
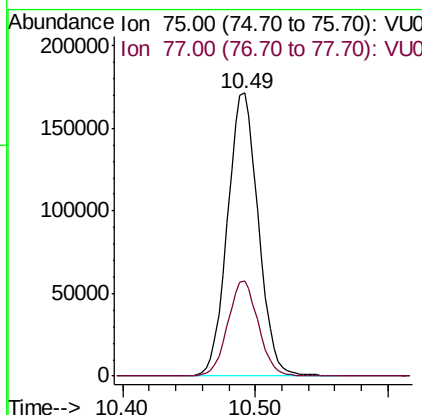
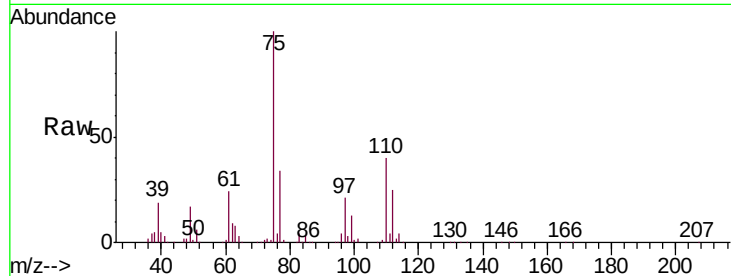




#59
 1,2,3-Trichloropropane
 Concen: 49.010 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

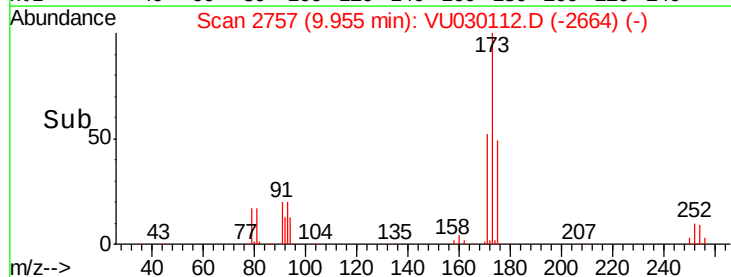
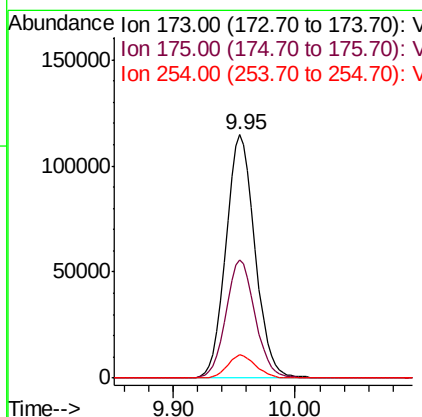
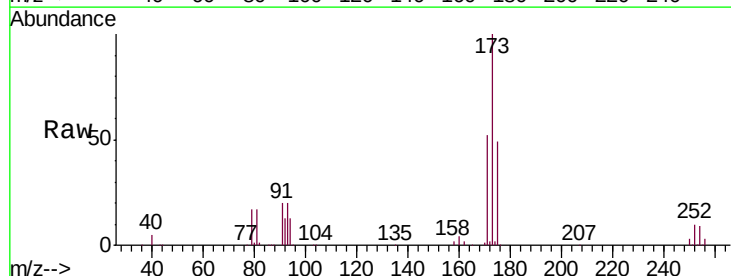
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

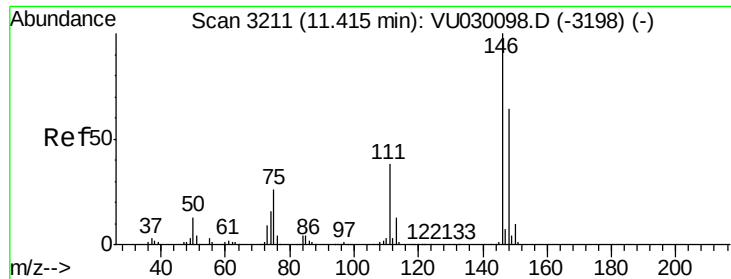
Tgt Ion: 75 Resp: 276629
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.8



#61
 Bromoform
 Concen: 51.397 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Tgt Ion: 173 Resp: 191583
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 9.4 7.4 11.0

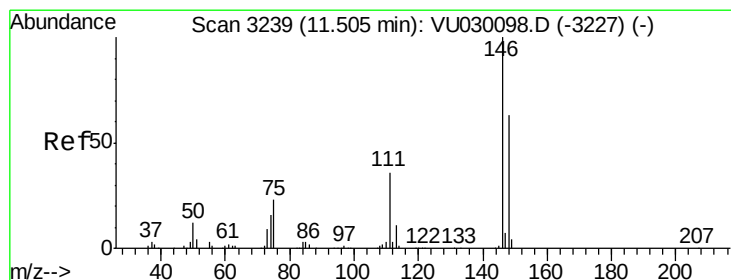
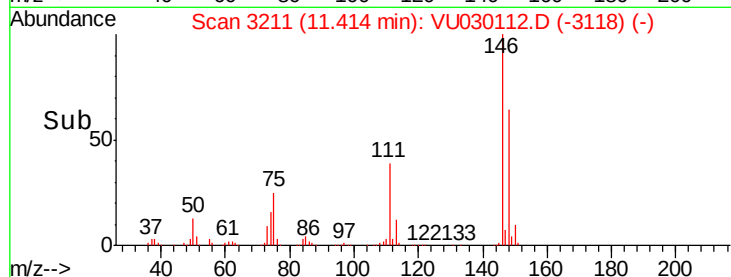
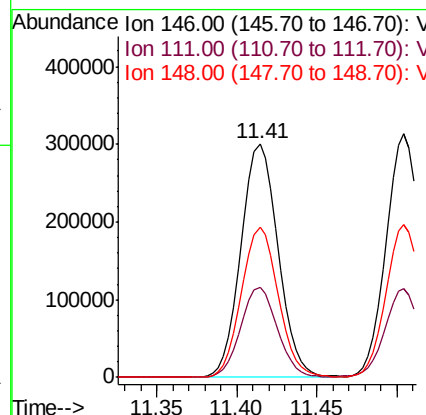
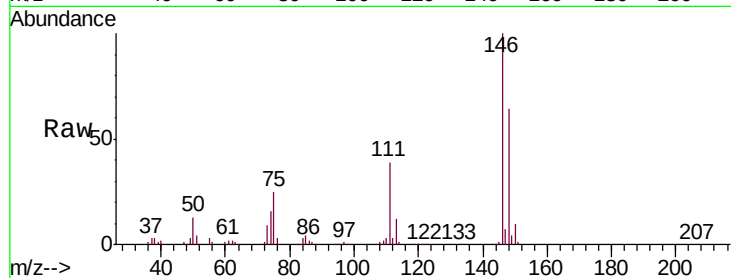




#62
 1,3-Dichlorobenzene
 Concen: 49.167 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

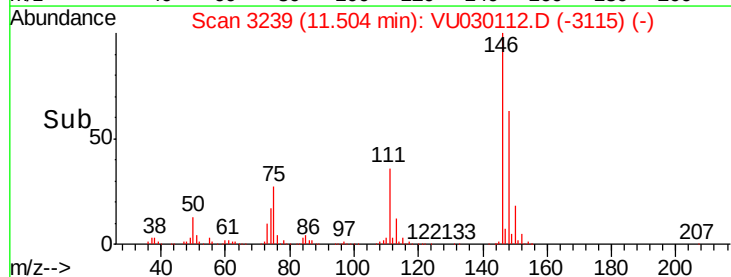
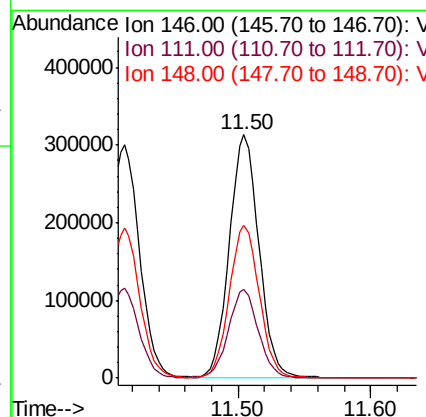
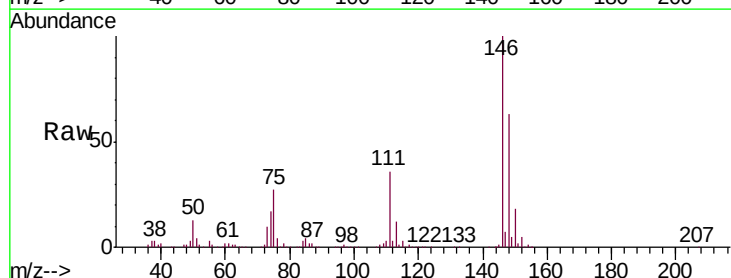
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

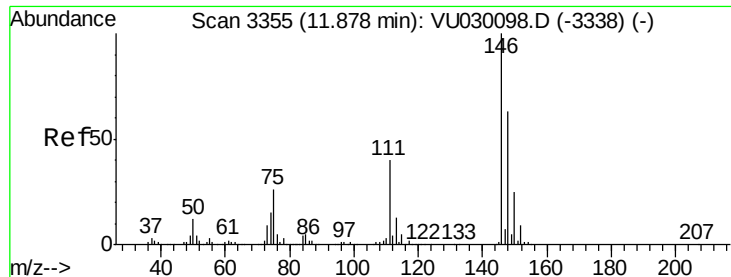
Tgt Ion:146 Resp: 475492
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.7 49.5
 148 64.0 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 49.258 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Tgt Ion:146 Resp: 484386
 Ion Ratio Lower Upper
 146 100
 111 36.4 25.5 47.3
 148 62.8 45.0 83.6

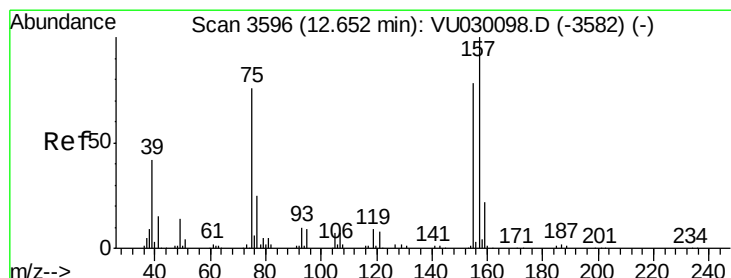
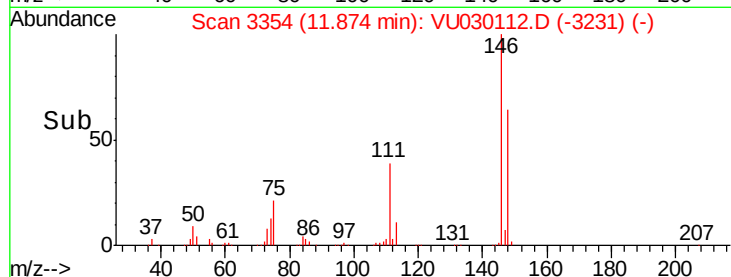
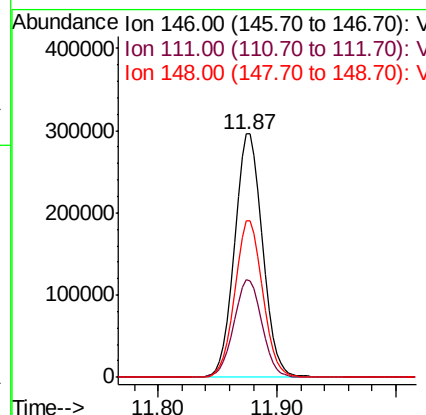
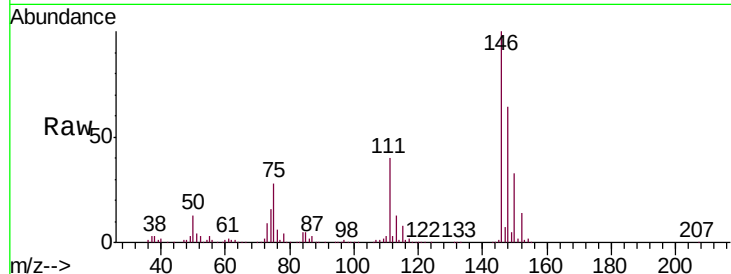




#65
 1,2-Dichlorobenzene
 Concen: 49.532 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

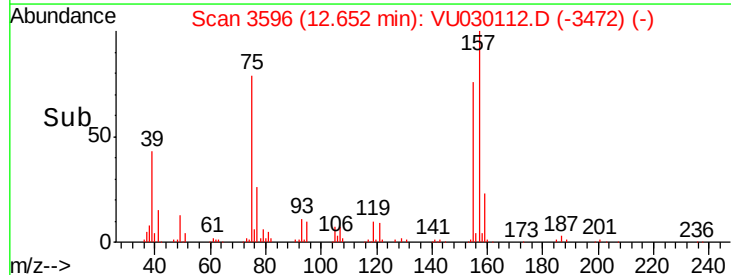
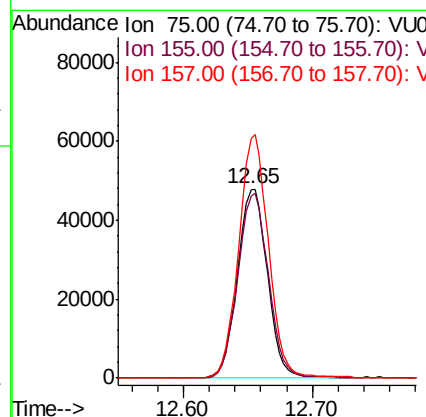
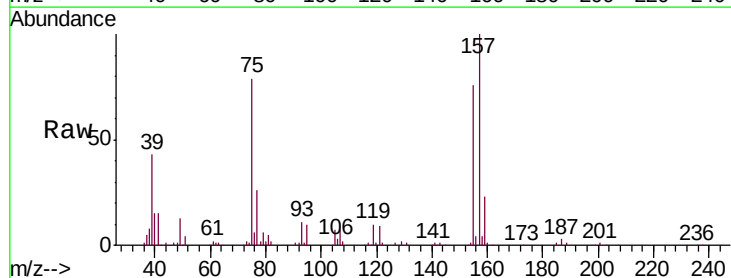
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

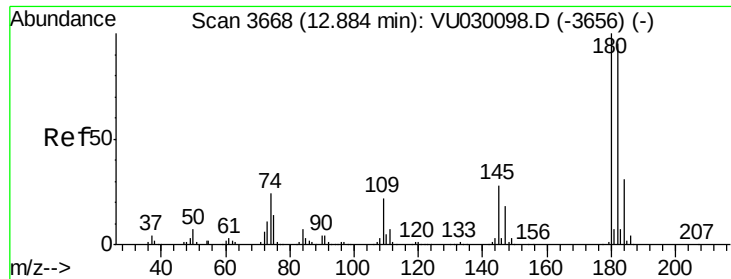
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	30.9	46.3
148	64.1	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.001 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	80.9	121.3
157	126.7	104.6	156.8

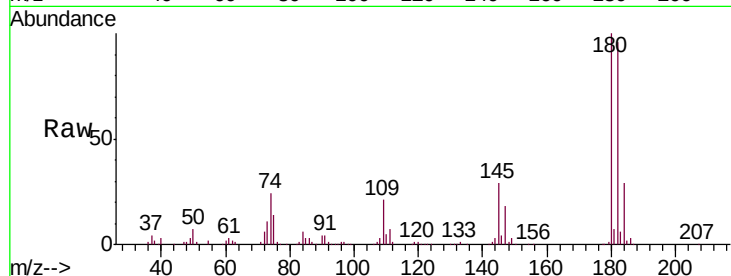




#67
 1,3,5-Trichlorobenzene
 Concen: 49.131 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
184	29.8	24.7	37.1
145	28.4	22.3	33.5



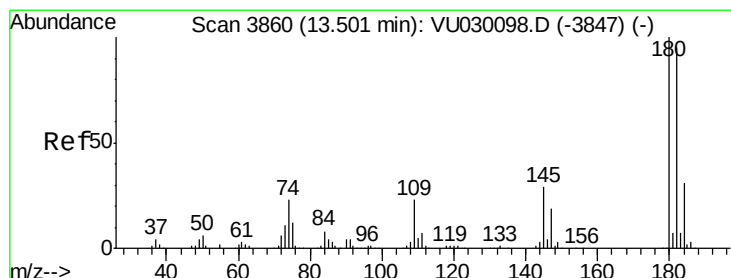
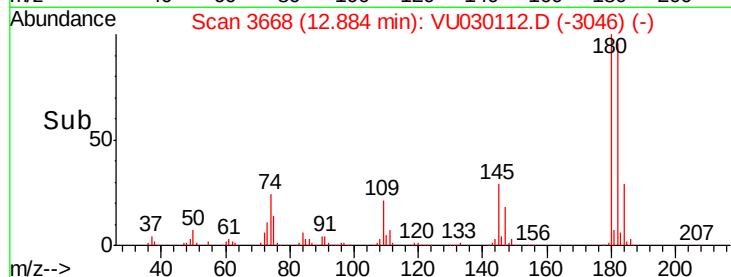
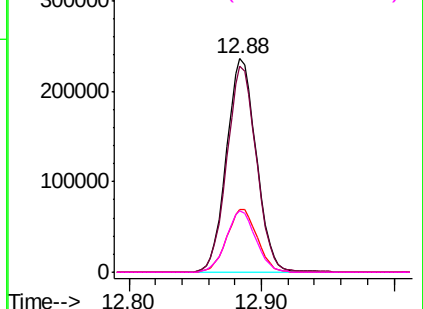
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

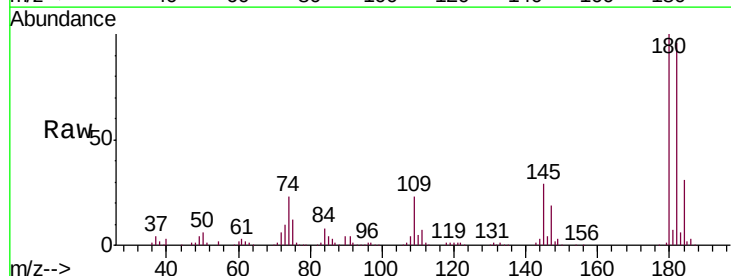
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.551 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU030112.D
 Acq: 15 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
145	29.2	23.0	34.4

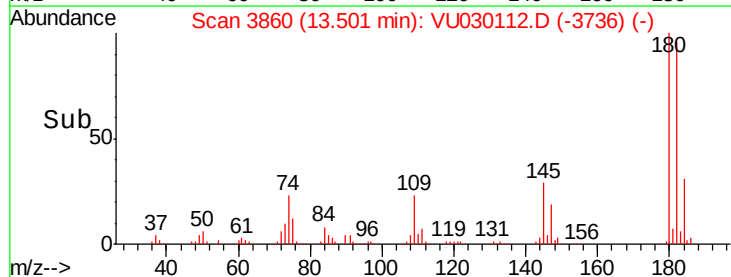
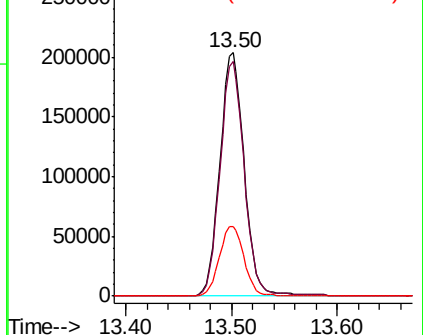


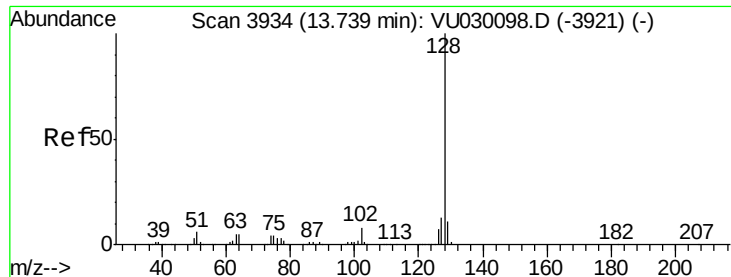
Abundance

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: 46.857 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

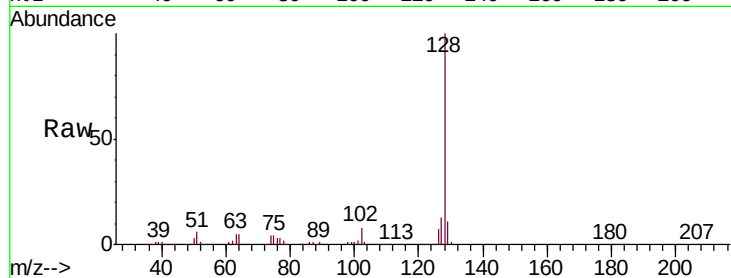
Tgt Ion:128 Resp: 1045310

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

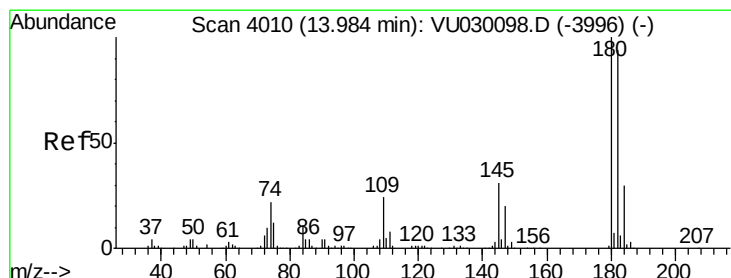
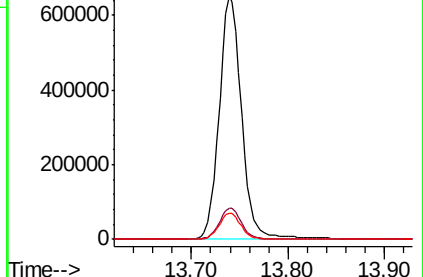
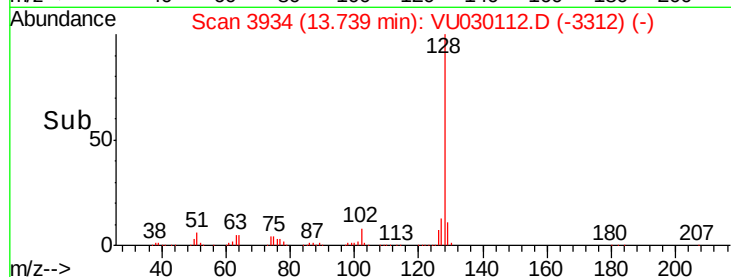
129 10.8 8.7 13.1



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: 47.904 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030112.D

Acq: 15 Mar 2019 15:40

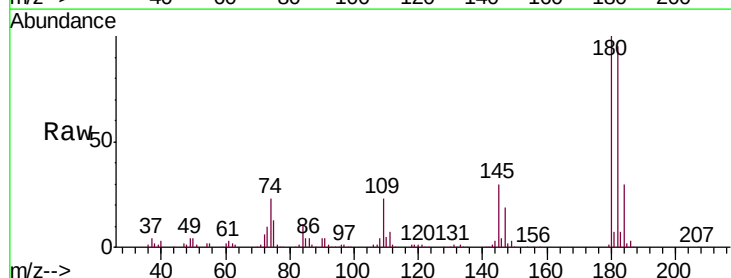
Tgt Ion:180 Resp: 341694

Ion Ratio Lower Upper

180 100

182 96.3 75.9 113.9

145 30.2 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

