

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032919\
 Data File : VU030534.D
 Acq On : 29 Mar 2019 10:18
 Operator : JC/SP
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Quant Time: Mar 30 00:10:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 30 00:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224163	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	218909	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104752	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	177532	10.36	ug/L	0.00
7) Chloroethane-d5	1.68	69	146807	10.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	360331	10.28	ug/L	0.00
20) 2-Butanone-d5	4.21	46	475723	107.78	ug/L	0.00
24) Chloroform-d	4.65	84	306638	10.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	154598	10.03	ug/L	0.00
32) Benzene-d6	5.34	84	606133	10.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	199959	10.34	ug/L	0.00
41) Toluene-d8	7.56	98	542299	10.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	75548	10.52	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	367417	117.67	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145749	10.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	178016	10.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	248978	9.970 ug/L	99
3) Chloromethane	1.33	50	287366	9.817 ug/L	100
5) Vinyl chloride	1.40	62	268635	10.015 ug/L	100
6) Bromomethane	1.63	94	132823	10.123 ug/L	100
8) Chloroethane	1.70	64	147632	9.675 ug/L	100
9) Trichlorofluoromethane	1.89	101	302960	9.965 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	169091	10.001 ug/L	100
12) 1,1-Dichloroethene	2.29	96	164982	10.087 ug/L	87
13) Acetone	2.36	43	349110	100.354 ug/L	98
14) Carbon disulfide	2.48	76	565103	9.852 ug/L	100
15) Methyl Acetate	2.63	43	95270	10.807 ug/L	96
16) Methylene chloride	2.70	84	181820	9.535 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	444674	10.156 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	172269	9.976 ug/L	98
19) 1,1-Dichloroethane	3.44	63	364343	9.975 ug/L	99
21) 2-Butanone	4.30	43	580455	105.944 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	184556	10.023 ug/L	93
23) Bromochloromethane	4.55	128	76521	10.402 ug/L	99
25) Chloroform	4.67	83	331997	9.971 ug/L	98
27) 1,2-Dichloroethane	5.41	62	210169	9.727 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	276101	9.901 ug/L	99
30) Cyclohexane	4.99	56	342219	10.165 ug/L	100
31) Carbon tetrachloride	5.13	117	239191	10.216 ug/L	97
33) Benzene	5.39	78	751566	10.149 ug/L	100
34) Trichloroethene	6.18	95	183555	9.902 ug/L	97
35) Methylcyclohexane	6.41	83	309243	10.453 ug/L	98
37) 1,2-Dichloropropane	6.43	63	203302	9.976 ug/L	100
38) Bromodichloromethane	6.76	83	238242	10.011 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	284021	10.421 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1361401	107.088 ug/L	99

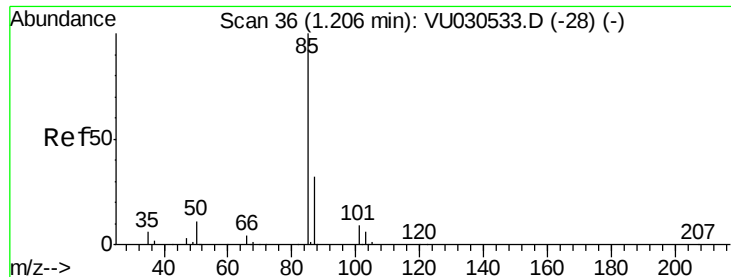
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032919\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	781019	10.516	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	222794	10.561	ug/L	96
45) 1,1,2-Trichloroethane	8.06	97	124311	10.230	ug/L	98
47) Tetrachloroethene	8.22	164	132034	10.154	ug/L	98
48) 2-Hexanone	8.36	43	976069	110.808	ug/L	99
49) Dibromochloromethane	8.47	129	147962	10.182	ug/L	97
50) 1,2-Dibromoethane	8.59	107	116709	10.304	ug/L	95
51) Chlorobenzene	9.12	112	447816	9.778	ug/L	97
52) Ethylbenzene	9.25	91	843200	10.645	ug/L	100
53) m,p-Xylene	9.37	106	299731	10.833	ug/L	98
54) o-Xylene	9.77	106	296780	10.938	ug/L	96
55) Styrene	9.79	104	508710	11.113	ug/L	97
56) Isopropylbenzene	10.16	105	789509	10.893	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	164677	10.193	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	111550	9.796	ug/L	100
61) Bromoform	9.95	173	80841	10.191	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	326269	9.871	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	338742	9.777	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	317038	9.858	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	26675	10.719	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	256694	10.409	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	209976	11.024	ug/L	97
69) Naphthalene	13.74	128	367175	12.004	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	202603	11.414	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.970 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampled :

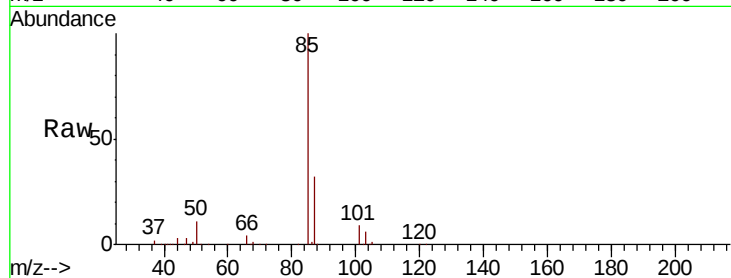
VSTD01004

Tot Ion: 85 Resp: 248978

Ion Ratio Lower Upper

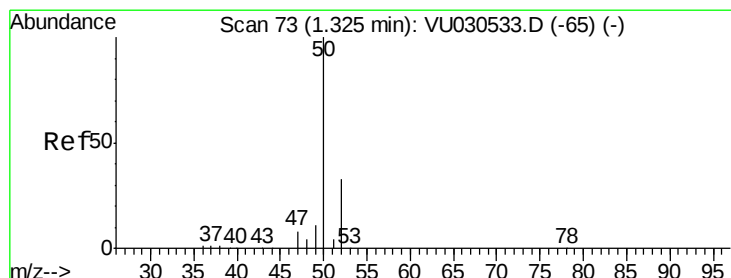
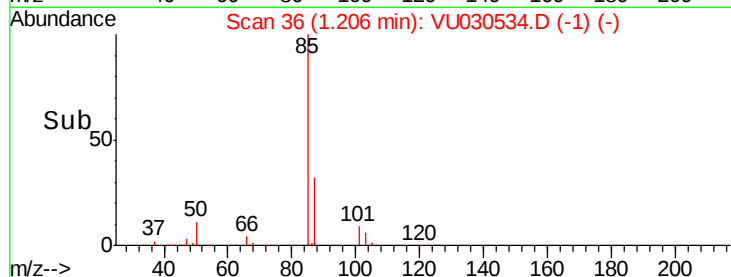
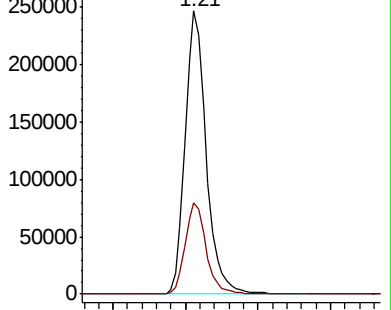
85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU030533.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030533.D (-28) (-)



#3

Chloromethane

Concen: 9.817 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030534.D

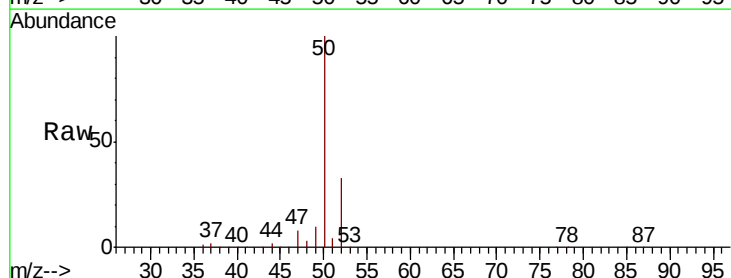
Acq: 29 Mar 2019 10:18

Tgt Ion: 50 Resp: 287366

Ion Ratio Lower Upper

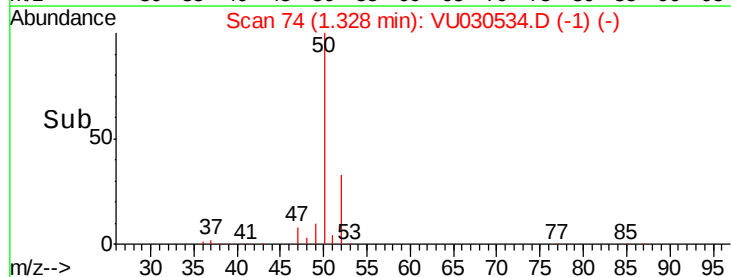
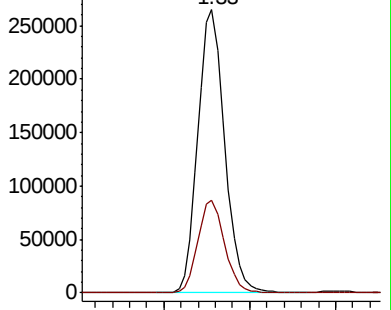
50 100

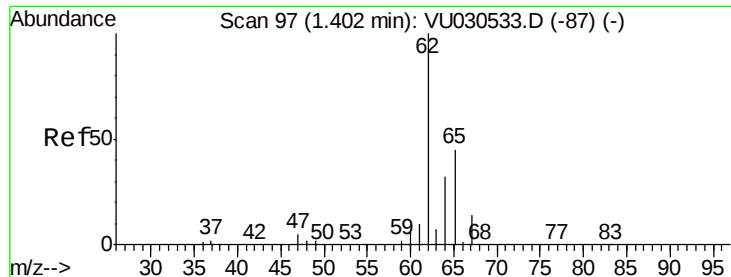
52 32.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU030533.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU030533.D (-65) (-)





#5

Vinyl chloride

Concen: 10.015 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampled :

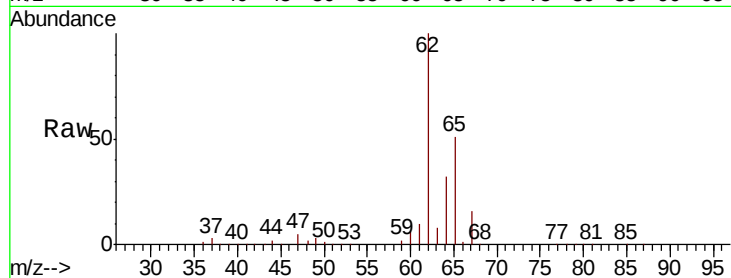
VSTD01004

Tot Ion: 62 Resp: 268635

Ion Ratio Lower Upper

62 100

64 32.3 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU030533.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU030533.D (-87) (-)

1.40

250000

200000

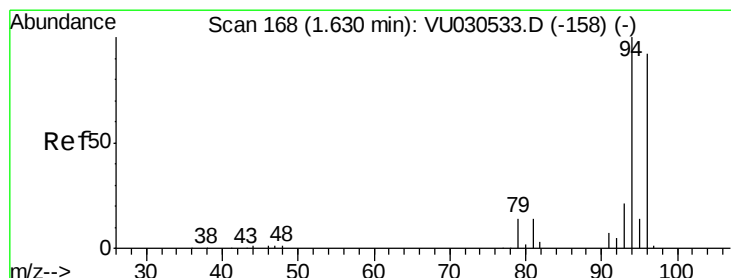
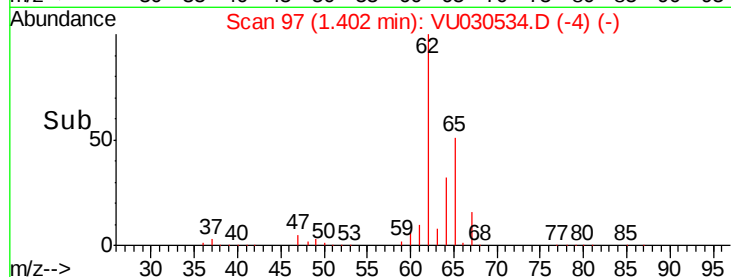
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 10.123 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU030534.D

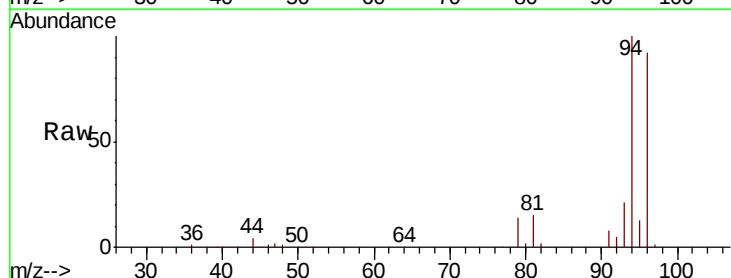
Acq: 29 Mar 2019 10:18

Tgt Ion: 94 Resp: 132823

Ion Ratio Lower Upper

94 100

96 92.3 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU030533.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU030533.D (-158) (-)

1.63

120000

100000

80000

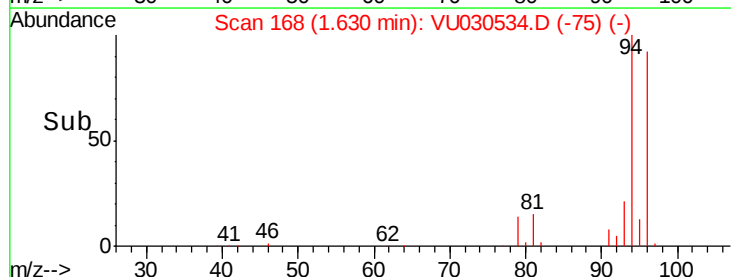
60000

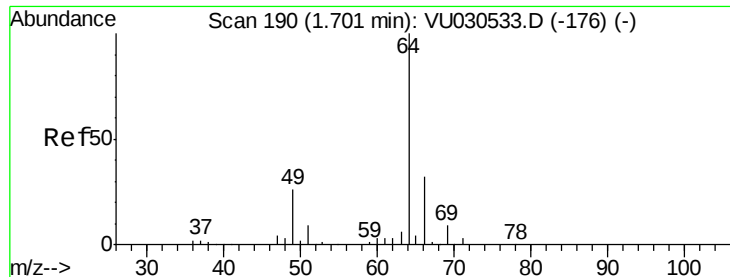
40000

20000

0

Time-->





#8

Chloroethane

Concen: 9.675 ug/L

RT: 1.70 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

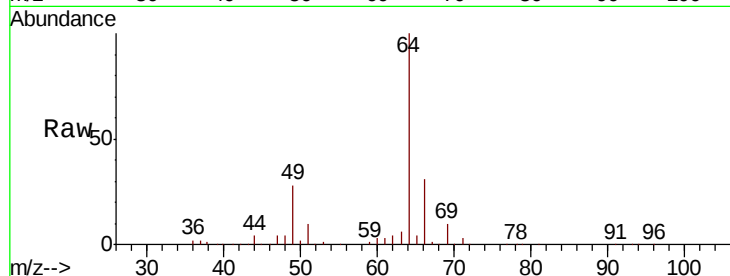
VSTD01004

Tot Ion: 64 Resp: 147632

Ion Ratio Lower Upper

64 100

66 31.4 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU030533.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU030533.D (-176) (-)

1.70

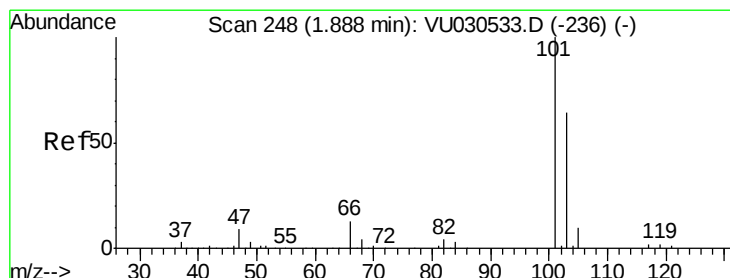
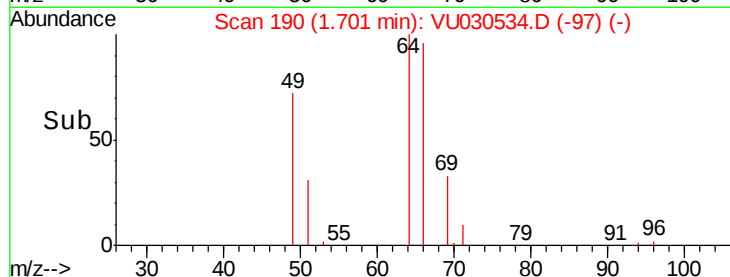
100000

50000

0

Time-->

1.60 1.65 1.70 1.75 1.80



#9

Trichlorofluoromethane

Concen: 9.965 ug/L

RT: 1.89 min Scan# 248

Delta R.T. -0.00 min

Lab File: VU030534.D

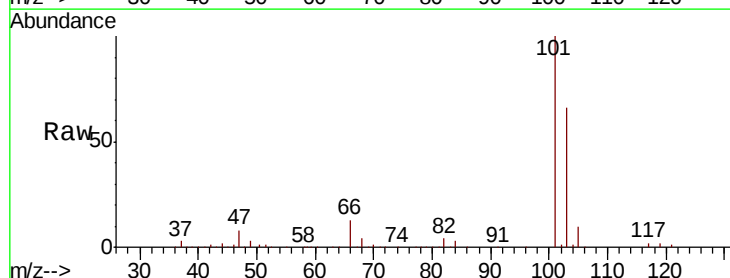
Acq: 29 Mar 2019 10:18

Tgt Ion: 101 Resp: 302960

Ion Ratio Lower Upper

101 100

103 65.5 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU030533.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU030533.D (-236) (-)

1.89

250000

200000

150000

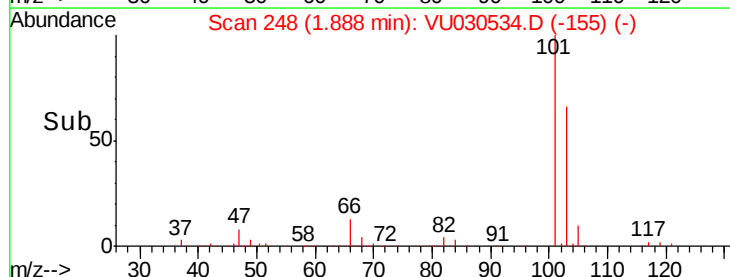
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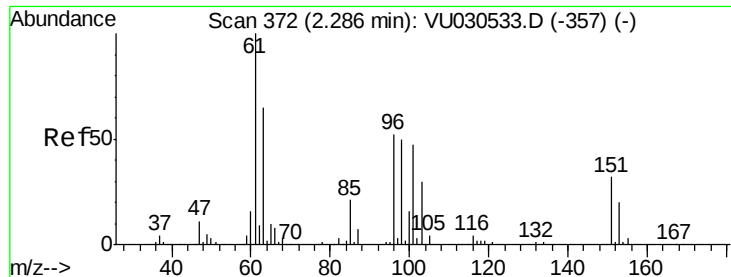
50000

0

Time-->

1.80 1.85 1.90 1.95





#10

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

Concen: 10.001 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

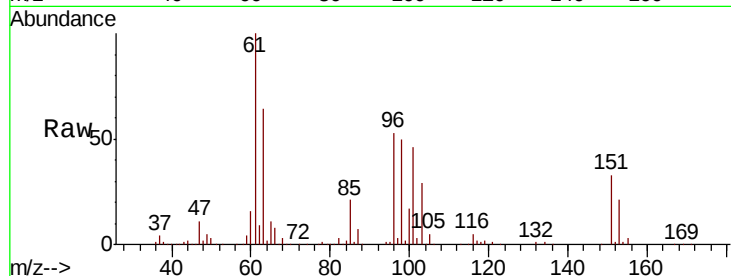
Tot Ion:101 Resp: 169091

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

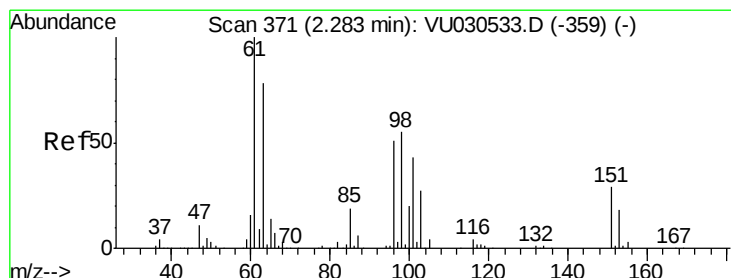
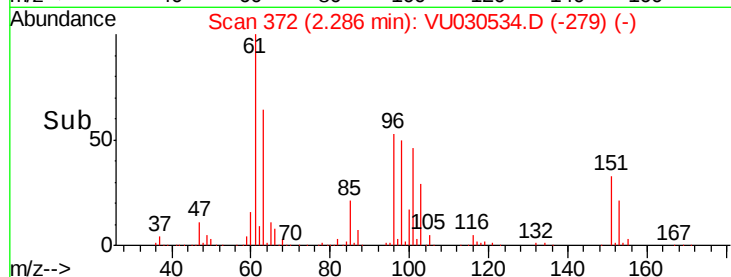
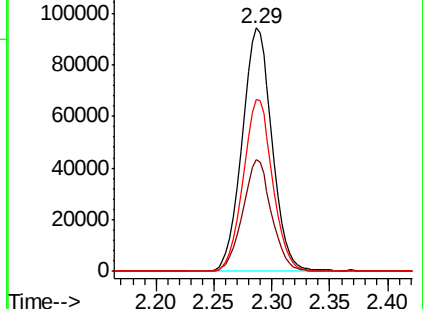
151 69.3 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VU030533.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU030533.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU030533.D (-357) (-)



#12

1,1-Dichloroethene

Concen: 10.087 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

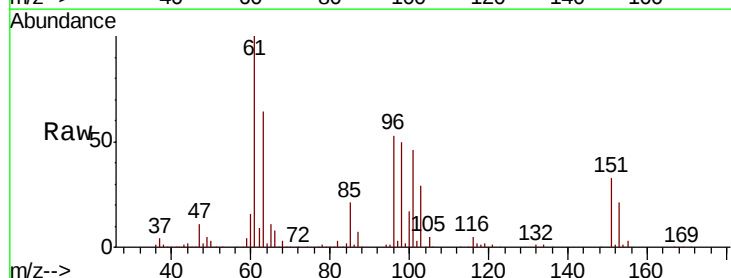
Tgt Ion: 96 Resp: 164982

Ion Ratio Lower Upper

96 100

61 189.4 136.9 254.3

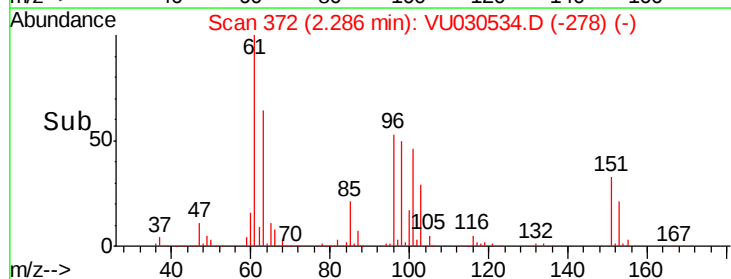
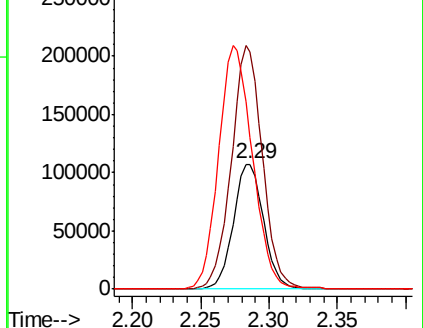
63 121.6 107.7 200.1

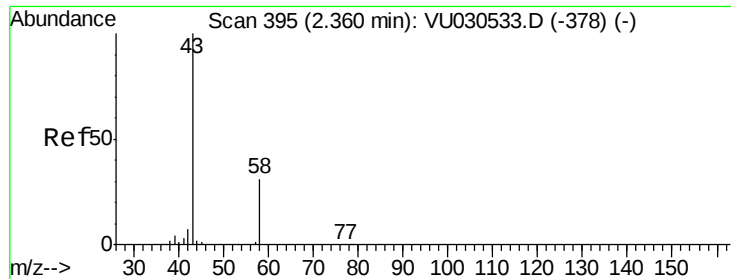


Abundance Ion 96.00 (95.70 to 96.70): VU030533.D (-359) (-)

Ion 61.05 (60.75 to 61.75): VU030533.D (-359) (-)

Ion 63.00 (62.70 to 63.70): VU030533.D (-359) (-)





#13

Acetone

Concen: 100.354 ug/L

RT: 2.36 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

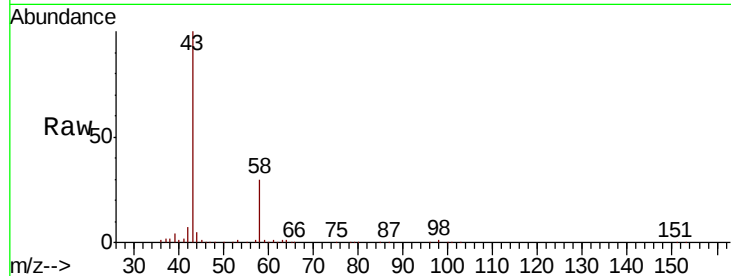
VSTD01004

Tot Ion: 43 Resp: 349110

Ion Ratio Lower Upper

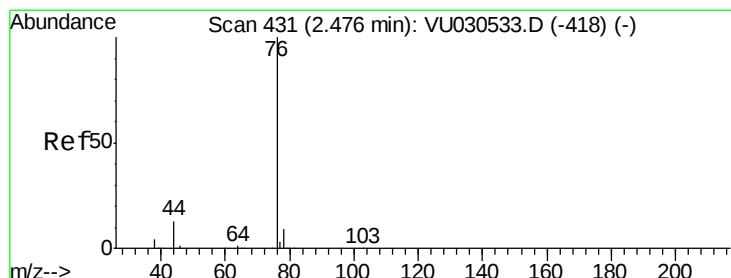
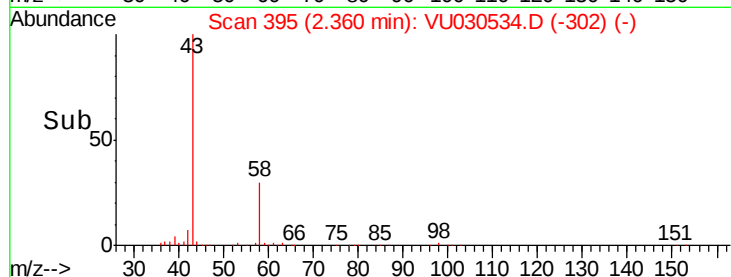
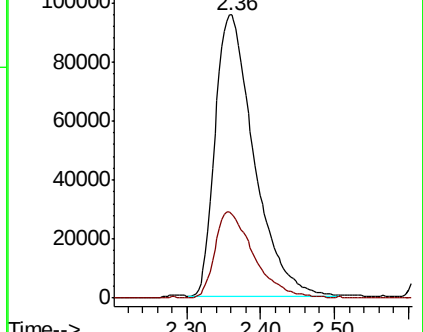
43 100

58 30.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030533.D (-378) (-)

Ion 58.05 (57.75 to 58.75): VU030533.D (-378) (-)



#14

Carbon disulfide

Concen: 9.852 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030534.D

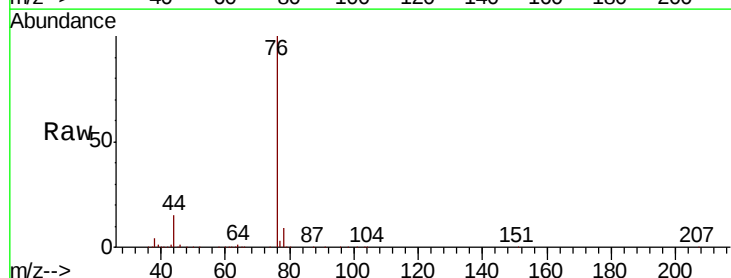
Acq: 29 Mar 2019 10:18

Tgt Ion: 76 Resp: 565103

Ion Ratio Lower Upper

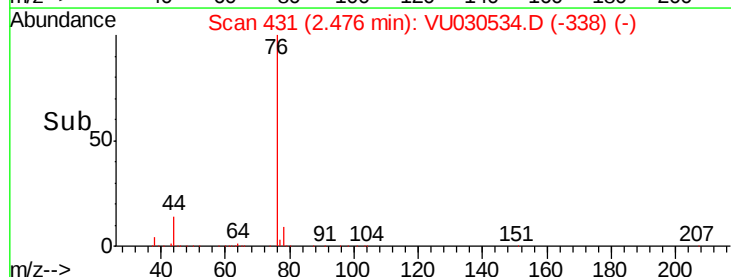
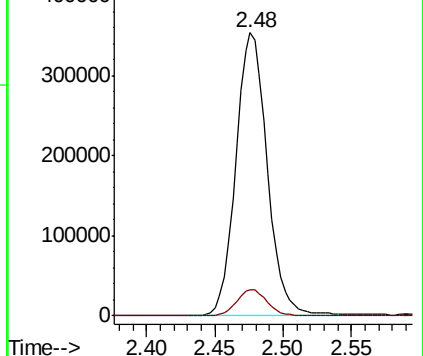
76 100

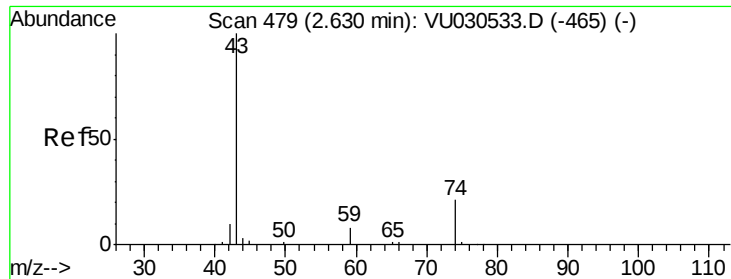
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU030533.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030533.D (-418) (-)





#15

Methyl Acetate

Concen: 10.807 ug/L

RT: 2.63 min Scan# 479

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

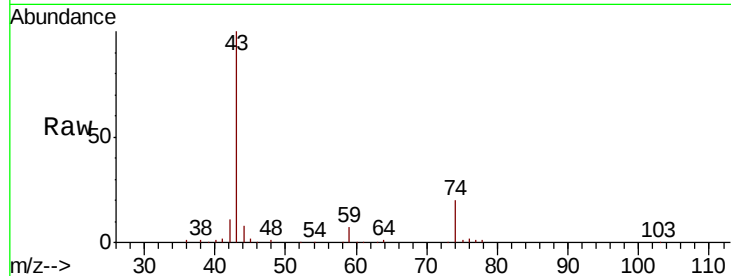
VSTD01004

Tot Ion: 43 Resp: 95270

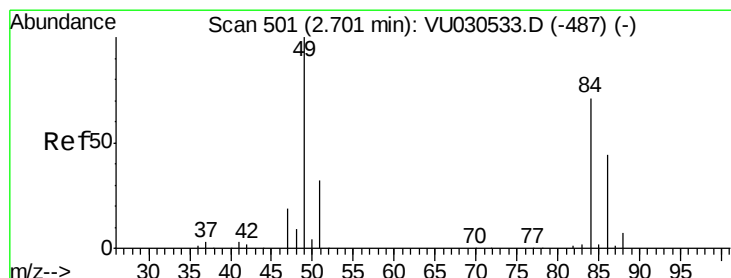
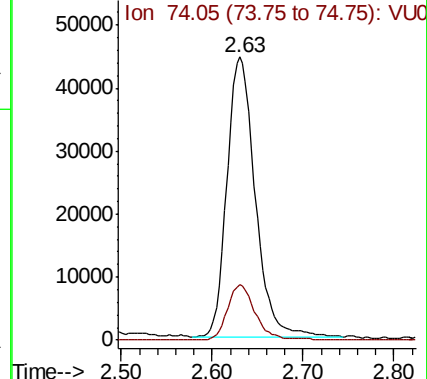
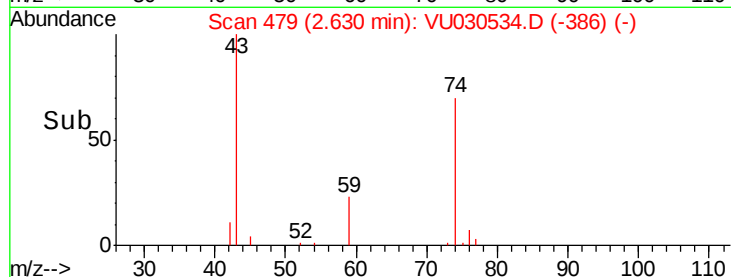
Ion Ratio Lower Upper

43 100

74 19.3 17.1 25.7



Abundance Ion 43.05 (42.75 to 43.75): VU030534.D (-386) (-)



#16

Methylene chloride

Concen: 9.535 ug/L

RT: 2.70 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

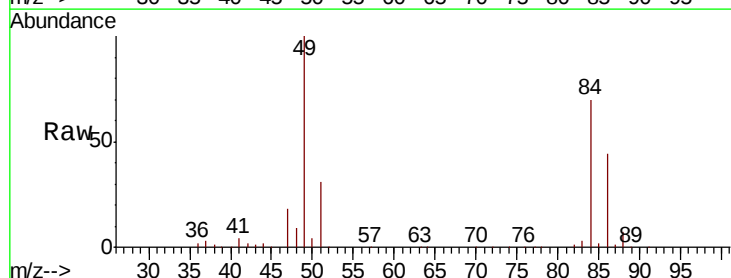
Tgt Ion: 84 Resp: 181820

Ion Ratio Lower Upper

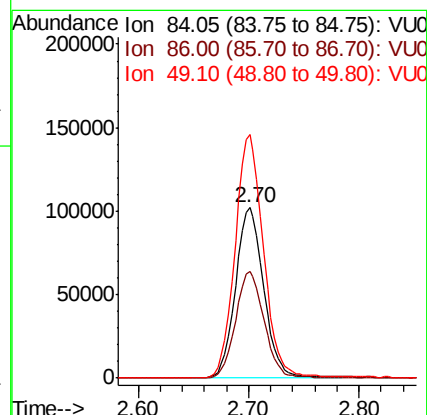
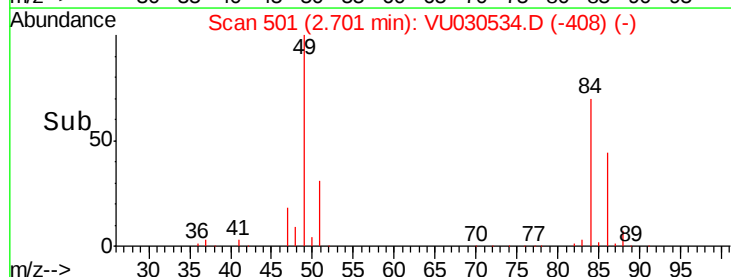
84 100

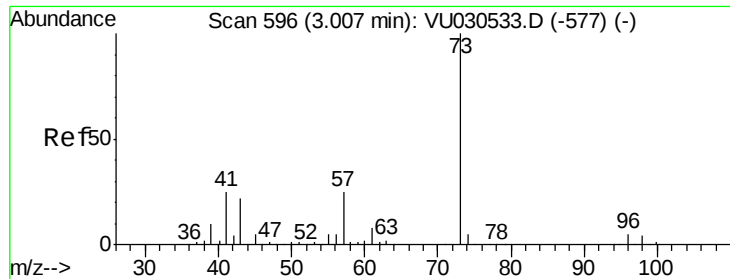
86 62.8 43.4 80.6

49 143.0 98.5 182.9



Abundance Ion 84.05 (83.75 to 84.75): VU030534.D (-408) (-)

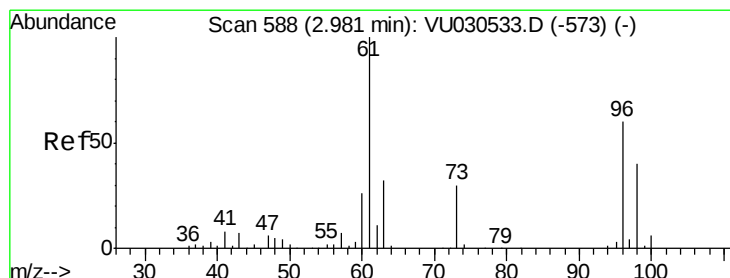
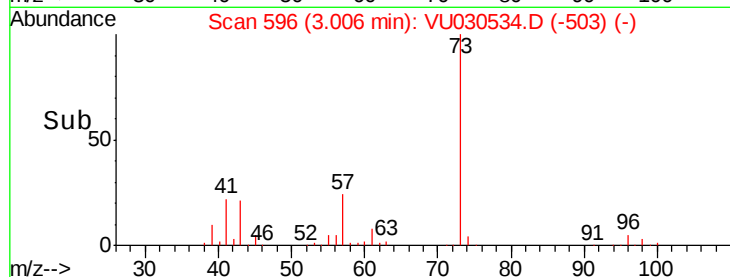
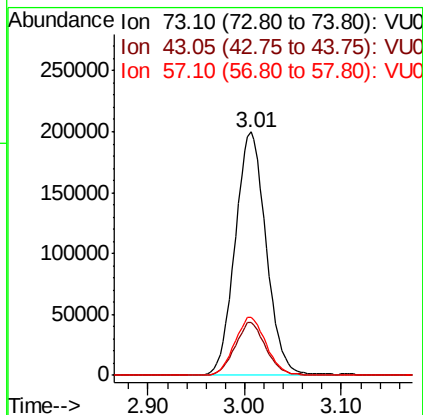
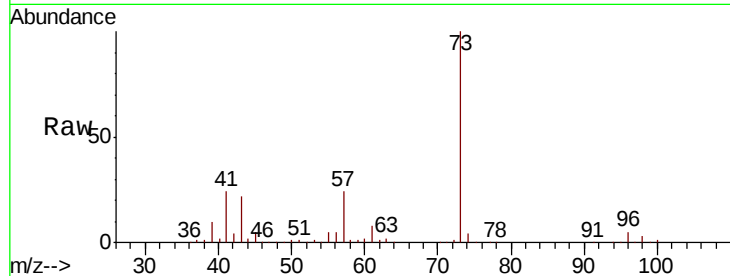




#17
Methvl tert-butvl Ether
Concen: 10.156 ug/L
RT: 3.01 min Scan# 596
Delta R.T. -0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

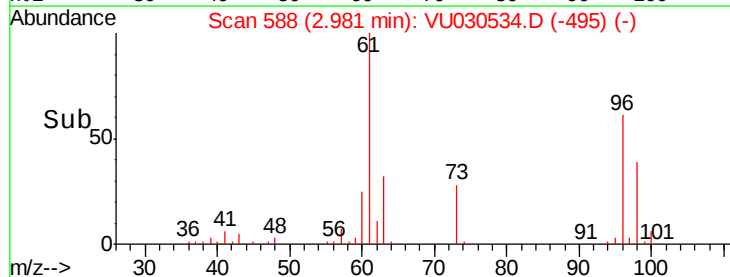
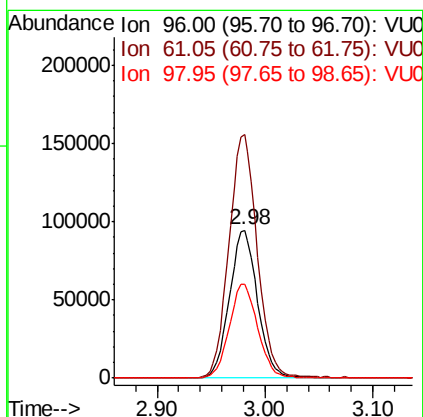
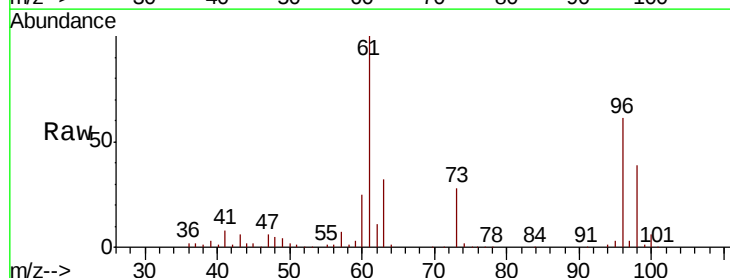
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

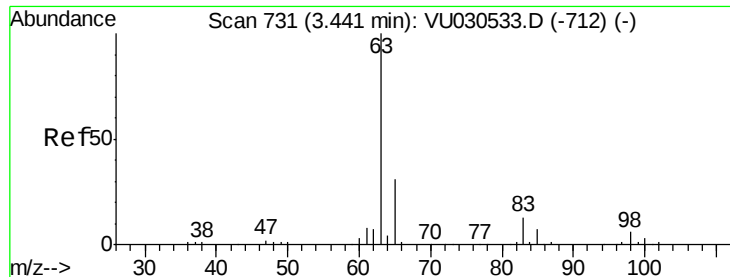
Tot Ion: 73 Resp: 444674
Ion Ratio Lower Upper
73 100
43 21.2 17.0 25.4
57 24.2 19.4 29.2



#18
trans-1,2-Dichloroethene
Concen: 9.976 ug/L
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

Tgt Ion: 96 Resp: 172269
Ion Ratio Lower Upper
96 100
61 164.7 116.8 216.8
98 63.9 46.8 87.0

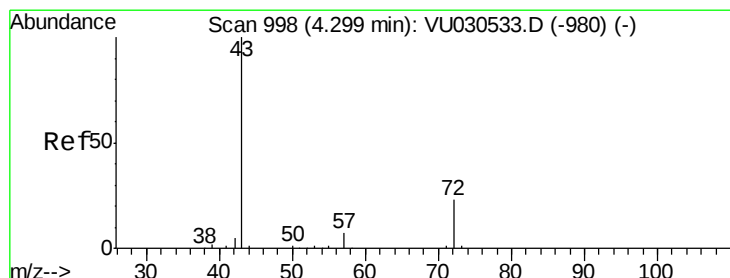
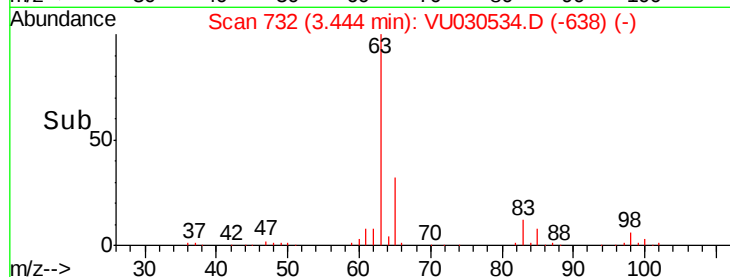
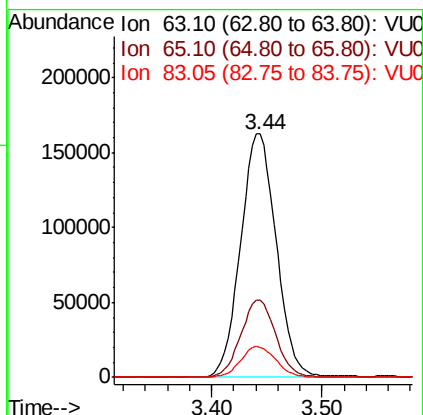
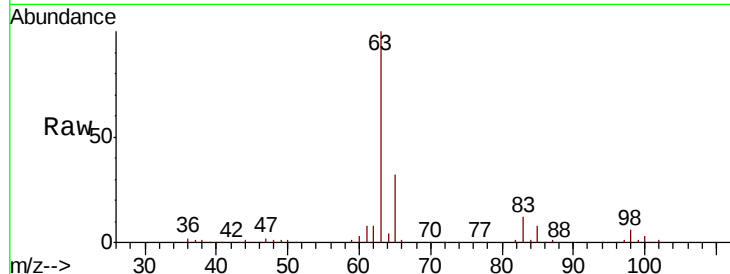




#19
 1,1-Dichloroethane
 Concen: 9.975 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

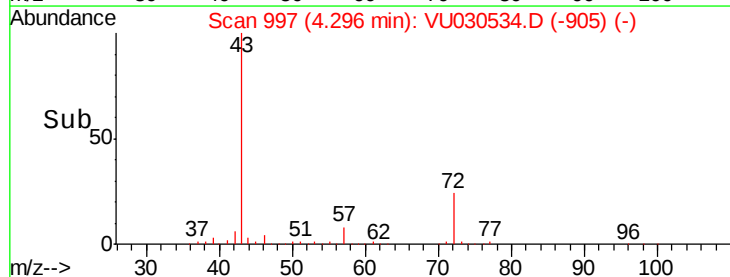
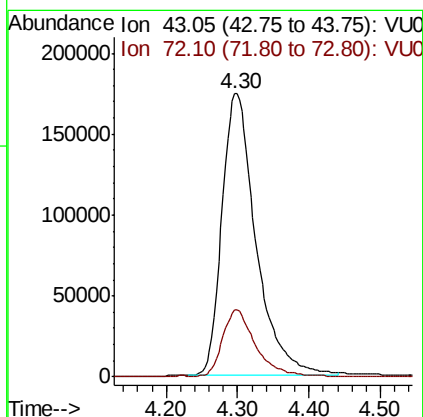
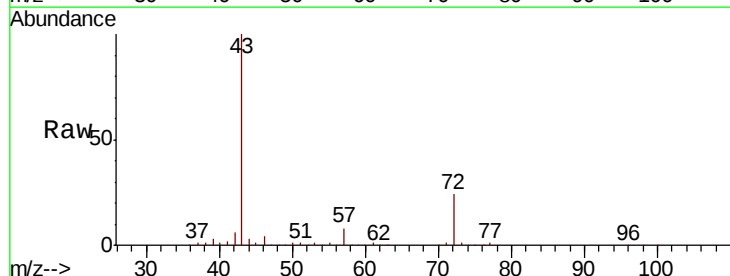
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

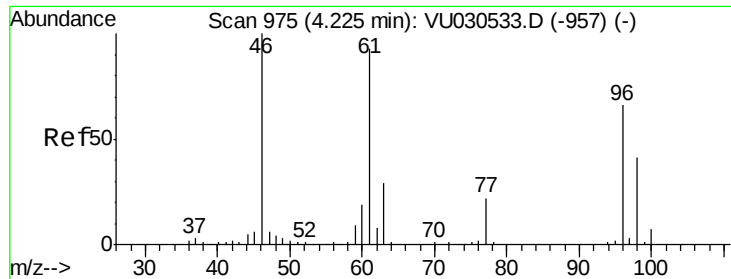
Tot Ion: 63 Resp: 364343
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.6 40.0
 83 12.4 9.1 16.9



#21
 2-Butanone
 Concen: 105.944 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

Tgt Ion: 43 Resp: 580455
 Ion Ratio Lower Upper
 43 100
 72 22.6 11.2 33.5



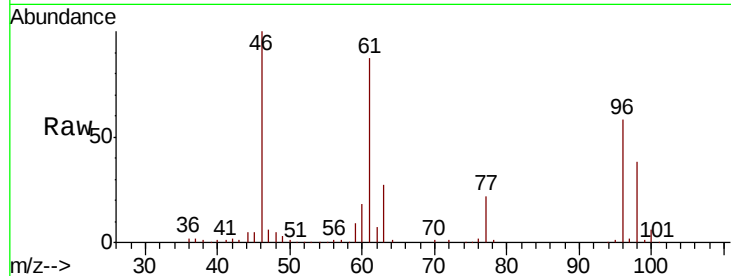


#22

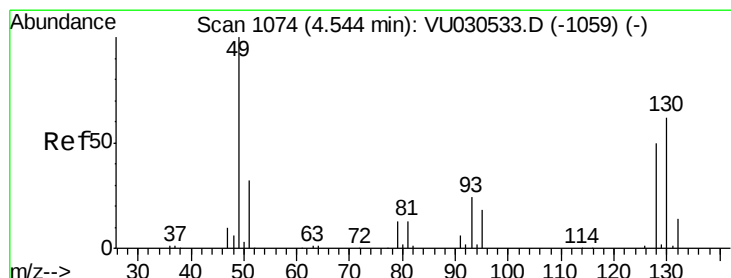
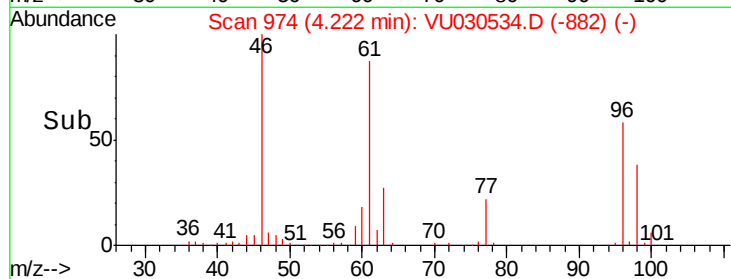
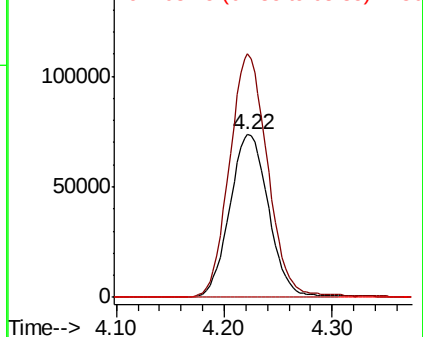
cis-1,2-Dichloroethene
Concen: 10.023 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion: 96 Resp: 184556
Ion Ratio Lower Upper
96 100
61 149.8 98.9 183.7
68 0.0 0.0 0.0



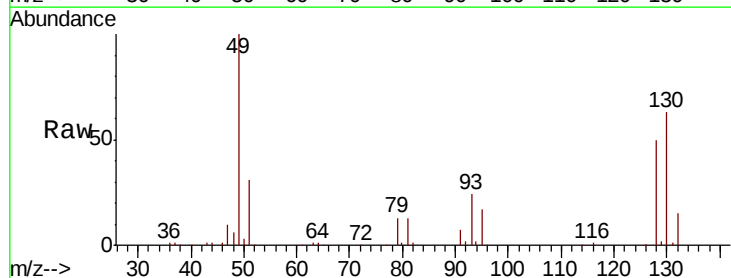
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



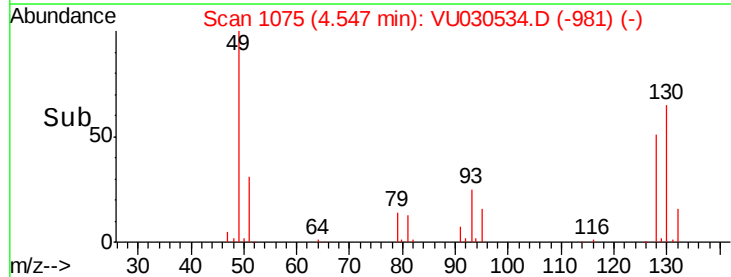
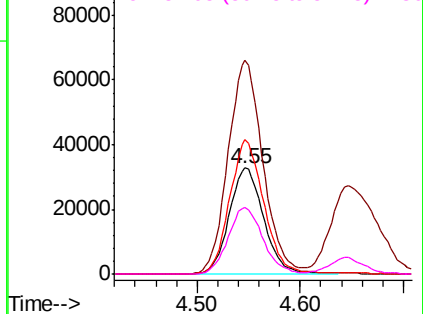
#23

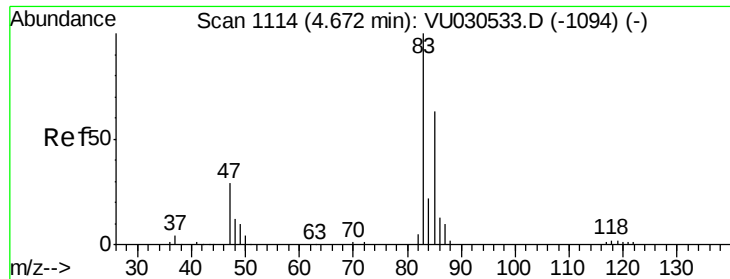
Bromochloromethane
Concen: 10.402 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

Tgt Ion:128 Resp: 76521
Ion Ratio Lower Upper
128 100
49 201.1 140.6 261.2
130 126.6 87.3 162.1
51 62.3 51.8 77.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 9.971 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

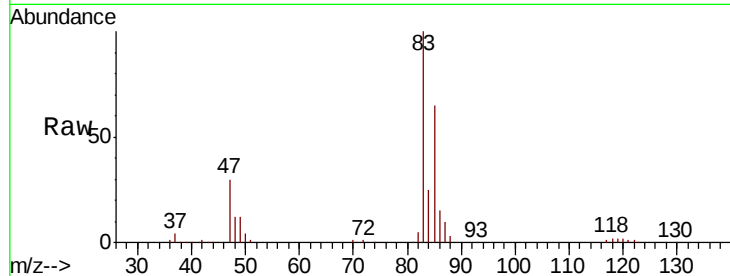
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion: 83 Resp: 331997

Ion Ratio Lower Upper

83 100

85 64.6 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VU030534.D (-1021) (-)

Ion 85.00 (84.70 to 85.70): VU030534.D (-1021) (-)

4.67

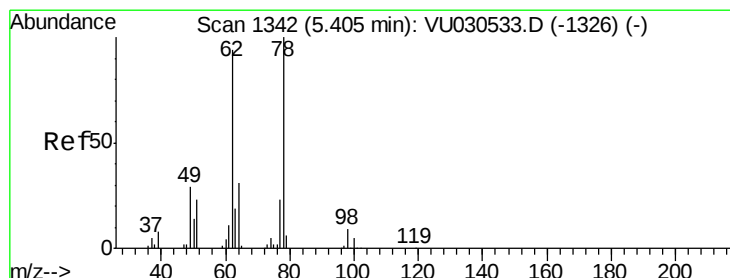
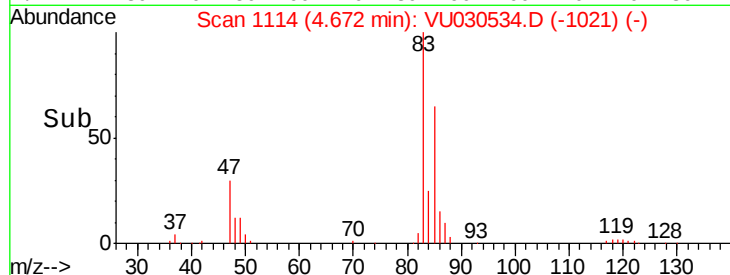
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 9.727 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VU030534.D

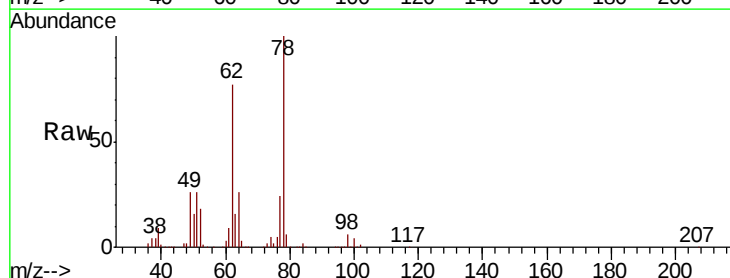
Acq: 29 Mar 2019 10:18

Tgt Ion: 62 Resp: 210169

Ion Ratio Lower Upper

62 100

98 8.1 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VU030534.D (-1249) (-)

Ion 98.05 (97.75 to 98.75): VU030534.D (-1249) (-)

5.41

100000

80000

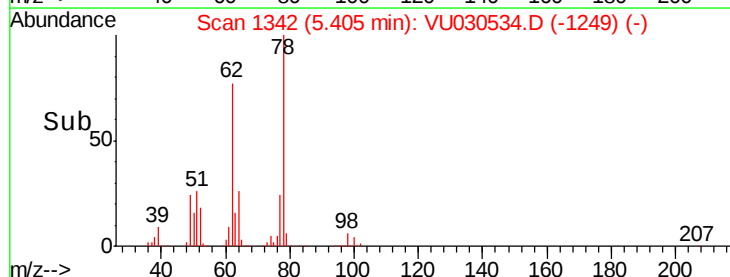
60000

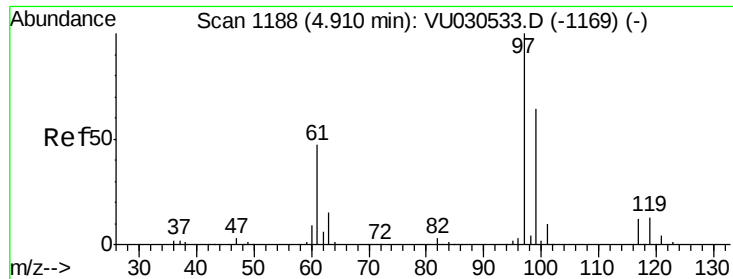
40000

20000

0

Time-->

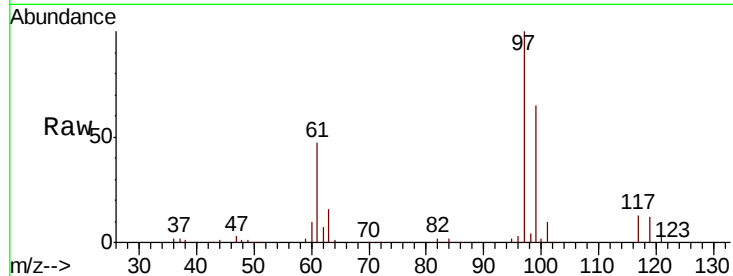




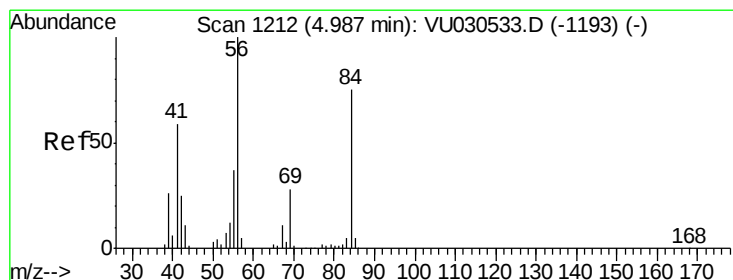
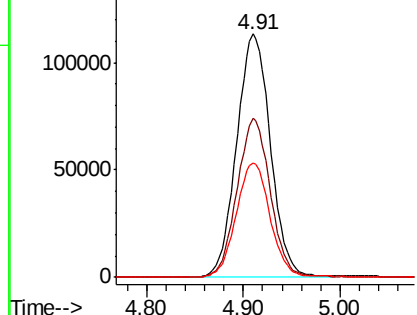
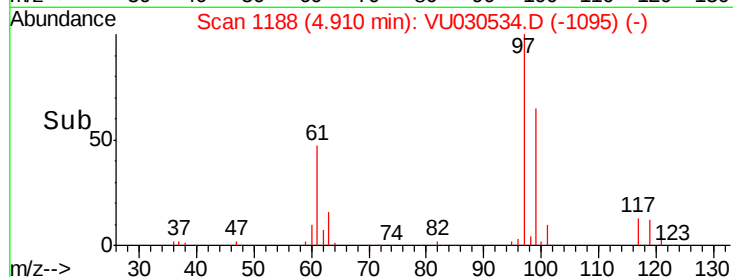
#29
 1,1,1-Trichloroethane
 Concen: 9.901 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tot Ion: 97 Resp: 276101
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.8 77.6
 61 46.9 38.1 57.1

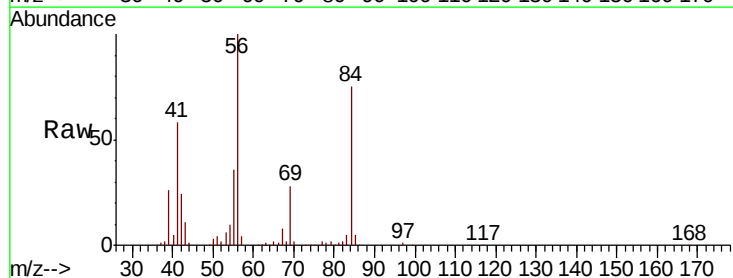


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

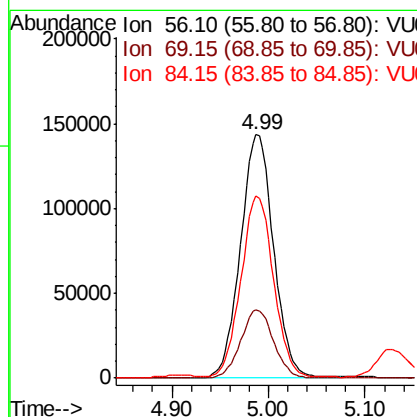
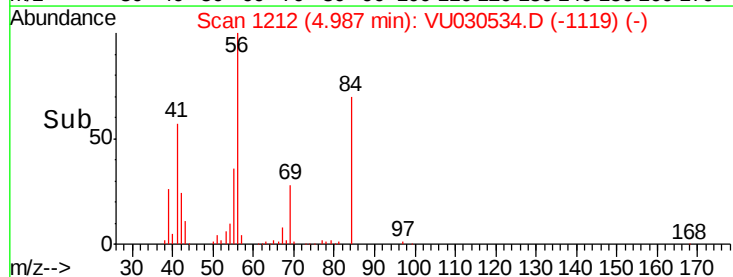


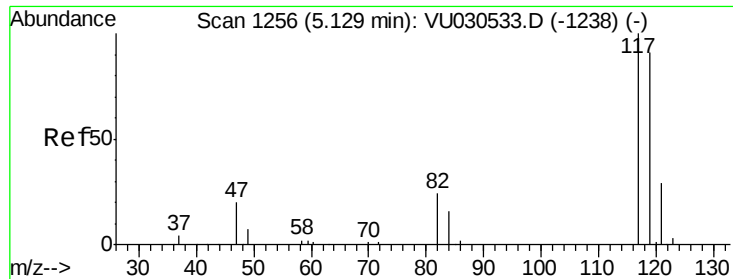
#30
 Cyclohexane
 Concen: 10.165 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

Tgt Ion: 56 Resp: 342219
 Ion Ratio Lower Upper
 56 100
 69 27.8 22.3 33.5
 84 73.1 58.3 87.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 10.216 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

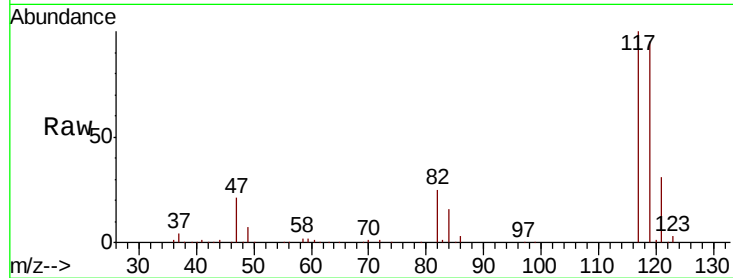
VSTD01004

Tot Ion:117 Resp: 239191

Ion Ratio Lower Upper

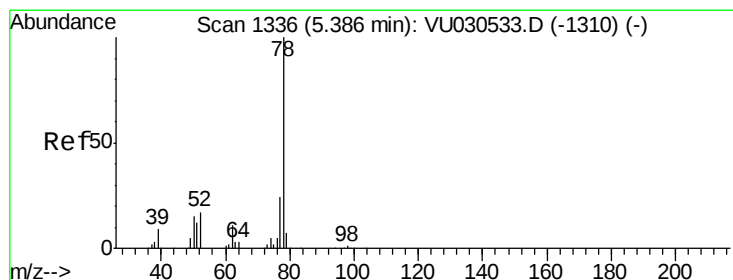
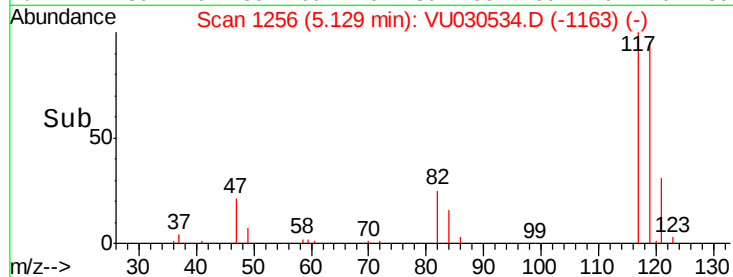
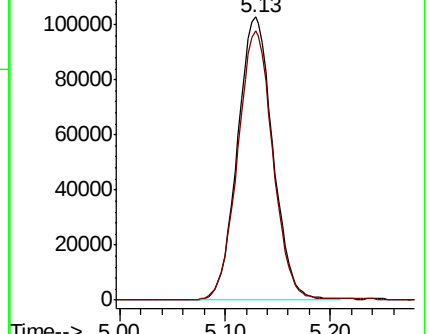
117 100

119 94.6 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.149 ug/L

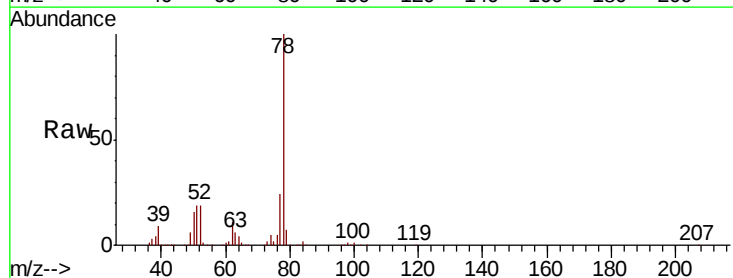
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

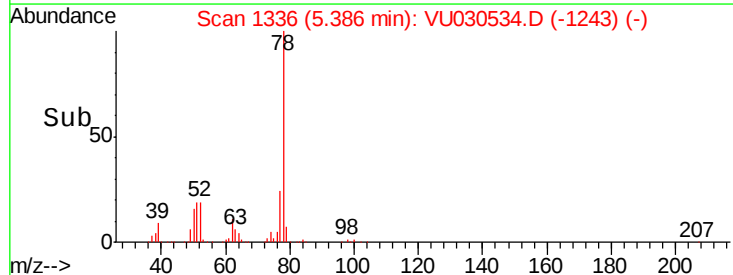
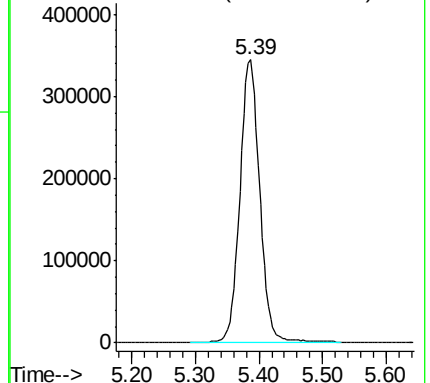
Lab File: VU030534.D

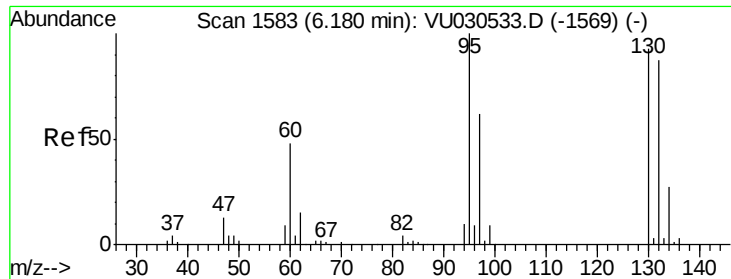
Acq: 29 Mar 2019 10:18

Tgt Ion: 78 Resp: 751566



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.902 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

Tot Ion: 95 Resp: 183555

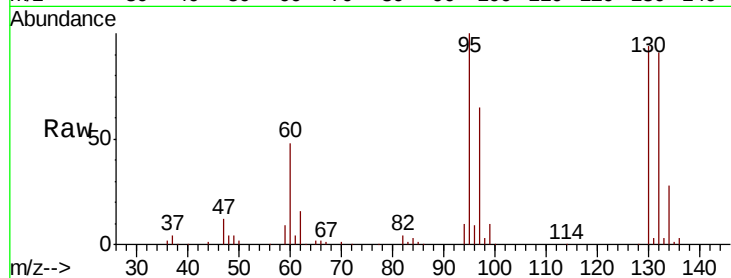
Ion Ratio Lower Upper

95 100

97 64.7 43.5 80.9

132 91.0 60.7 112.7

130 93.8 65.1 120.9



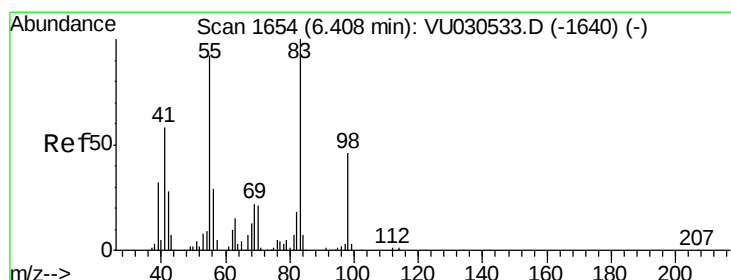
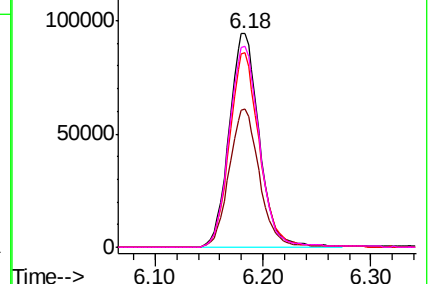
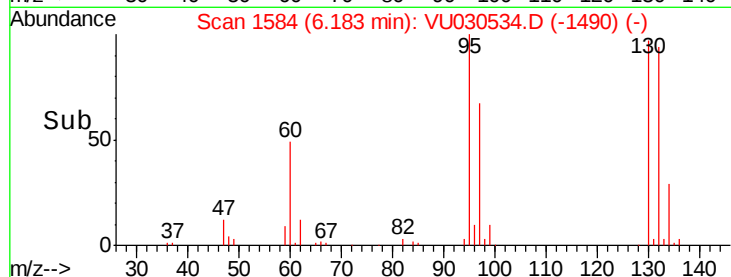
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.453 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

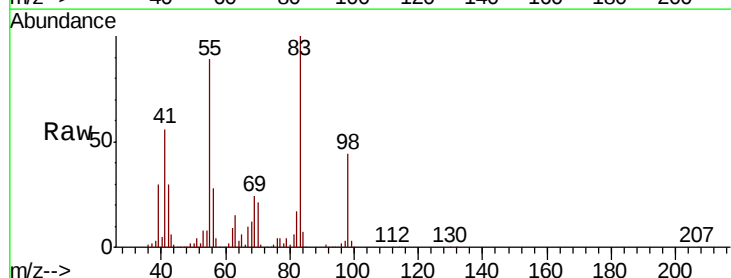
Tgt Ion: 83 Resp: 309243

Ion Ratio Lower Upper

83 100

55 88.5 72.6 108.8

98 44.8 35.0 52.6

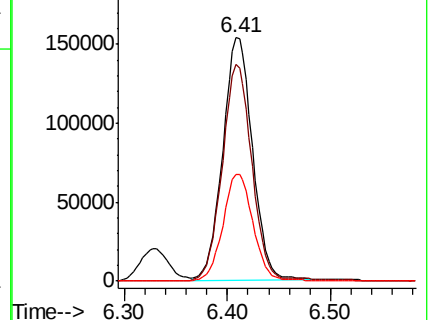
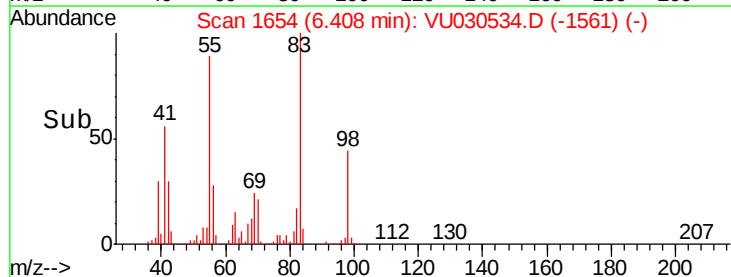


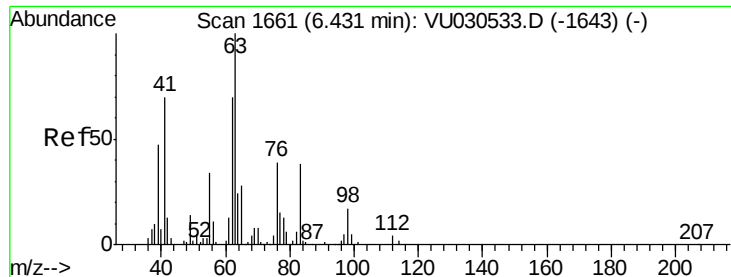
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 9.976 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

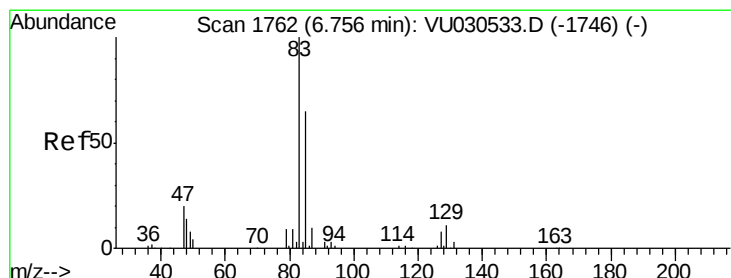
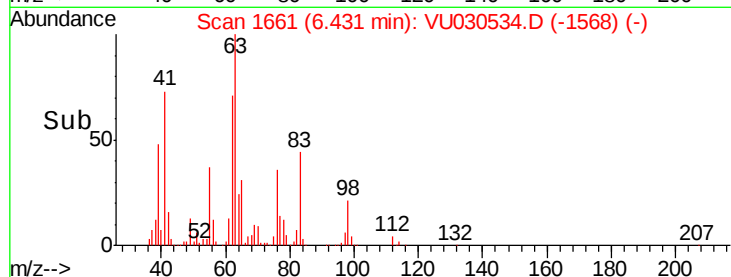
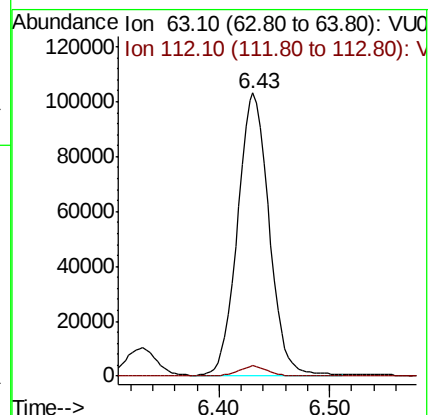
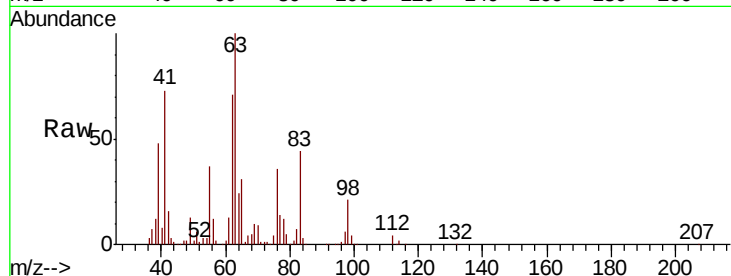
VSTD01004

Tot Ion: 63 Resp: 203302

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 10.011 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

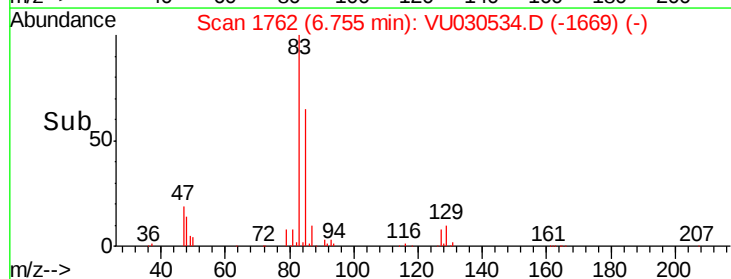
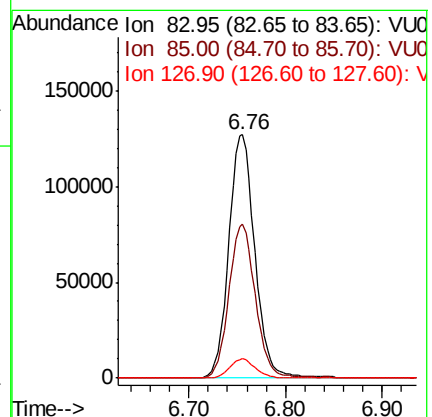
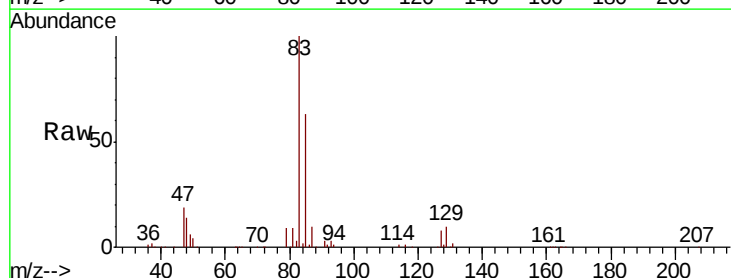
Tgt Ion: 83 Resp: 238242

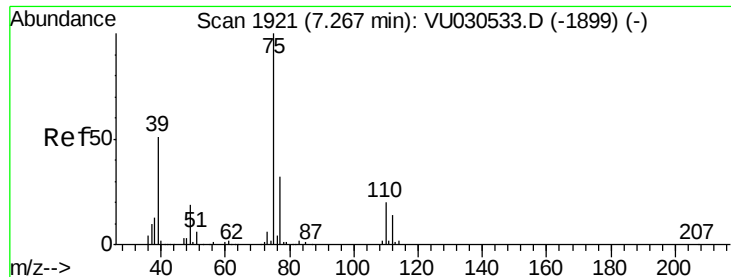
Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

127 7.8 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 10.421 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

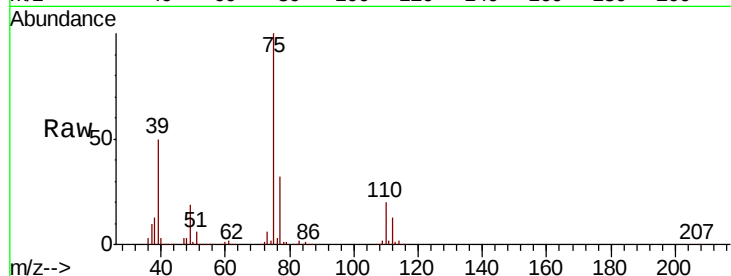
VSTD01004

Tot Ion: 75 Resp: 284021

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU030533.D (-1899) (-)

Ion 77.05 (76.75 to 77.75): VU030533.D (-1899) (-)

7.27

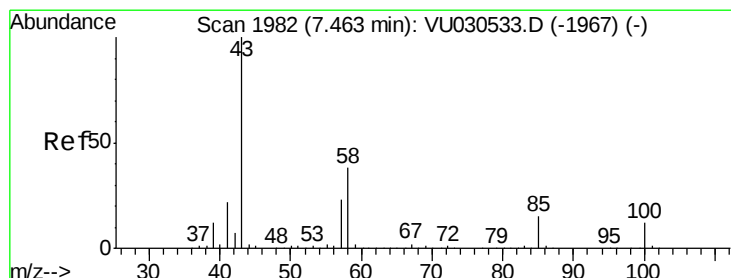
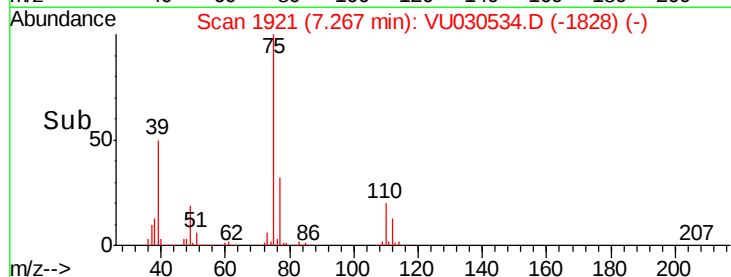
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 107.088 ug/L

RT: 7.46 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

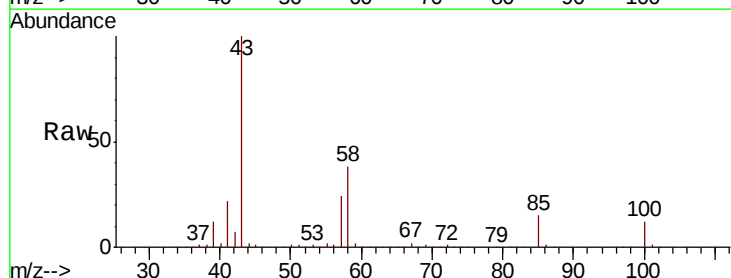
Tgt Ion: 43 Resp: 1361401

Ion Ratio Lower Upper

43 100

58 37.4 29.4 44.2

100 11.7 9.2 13.8



Abundance Ion 43.05 (42.75 to 43.75): VU030533.D (-1967) (-)

Ion 58.05 (57.75 to 58.75): VU030533.D (-1967) (-)

Ion 100.15 (99.85 to 100.85): VU030533.D (-1967) (-)

7.46

1000000

800000

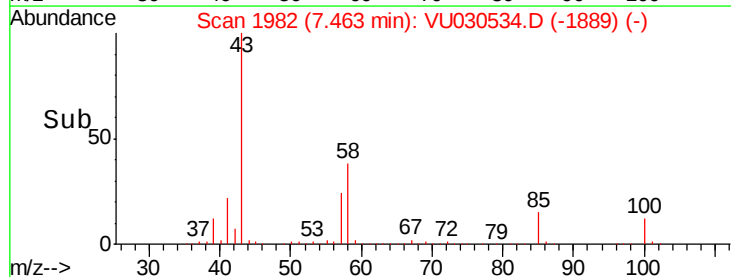
600000

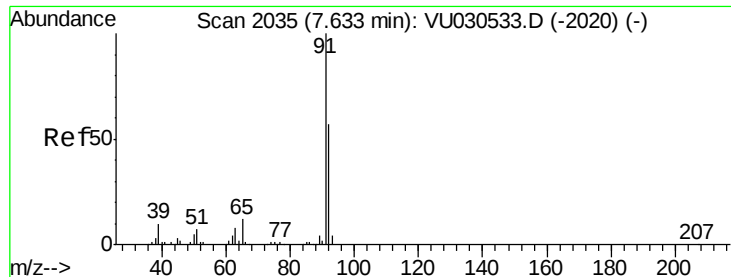
400000

200000

0

Time-->





#42

Toluene

Concen: 10.516 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

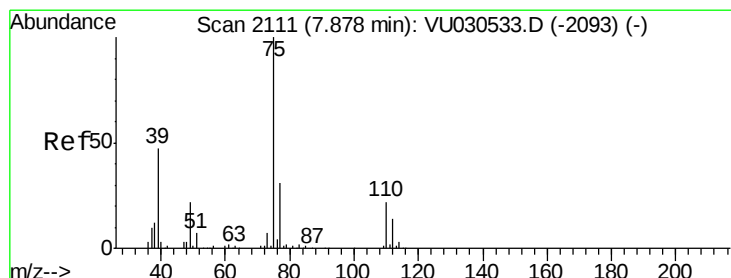
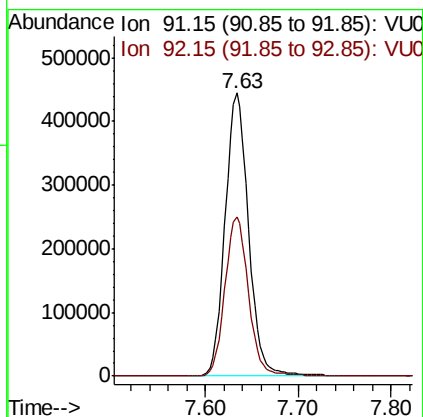
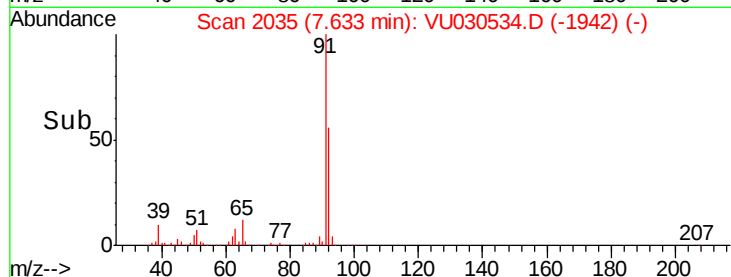
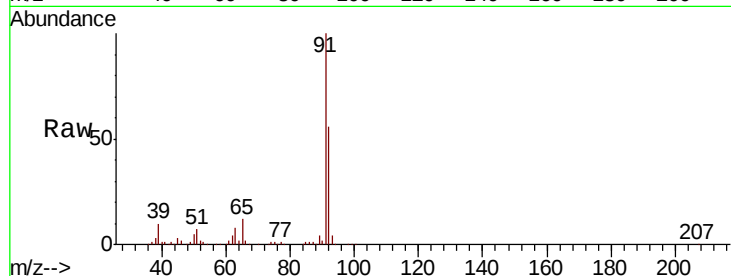
VSTD01004

Tot Ion: 91 Resp: 781019

Ion Ratio Lower Upper

91 100

92 56.3 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 10.561 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030534.D

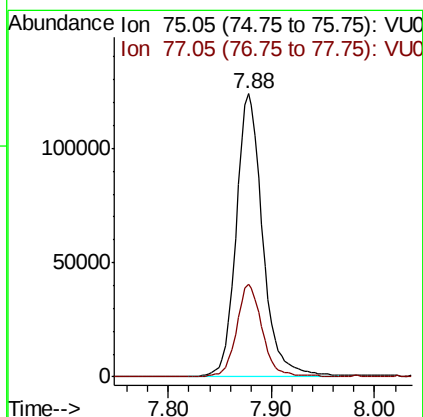
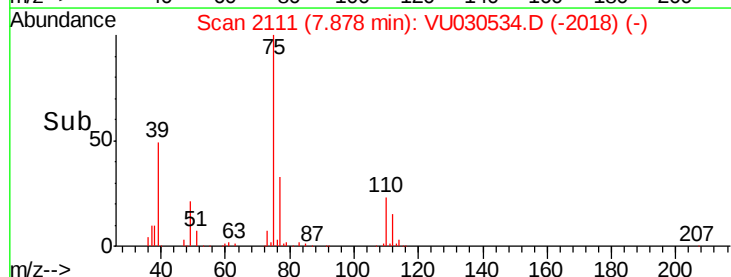
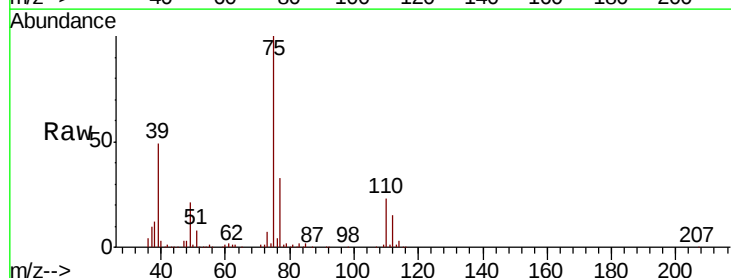
Acq: 29 Mar 2019 10:18

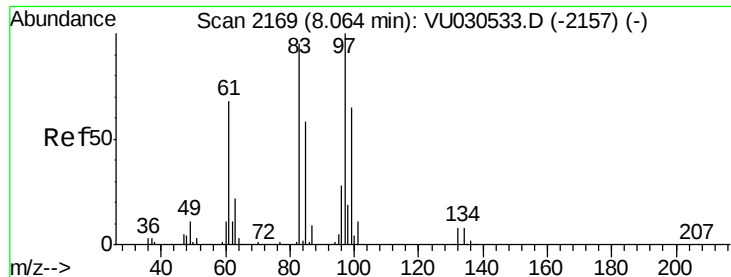
Tgt Ion: 75 Resp: 222794

Ion Ratio Lower Upper

75 100

77 32.9 21.6 40.0

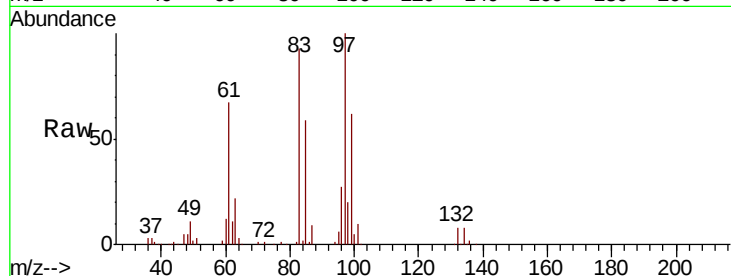




#45
 1,1,2-Trichloroethane
 Concen: 10.230 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tot Ion:	97	Resp:	124311
Ion	Ratio	Lower	Upper
97	100		
99	61.9	45.3	84.1
83	93.1	66.5	123.5
85	59.4	41.2	76.4



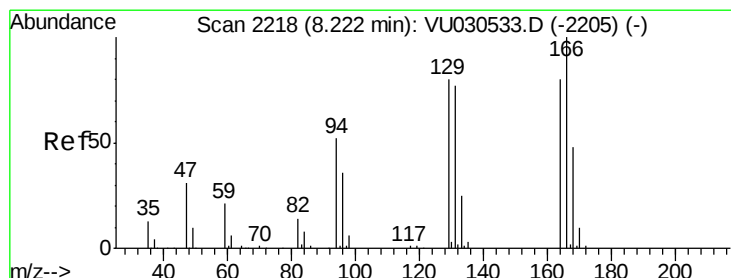
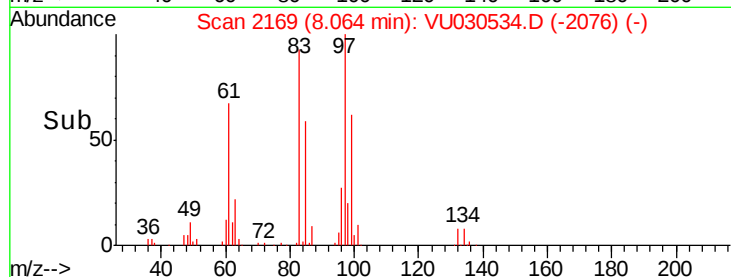
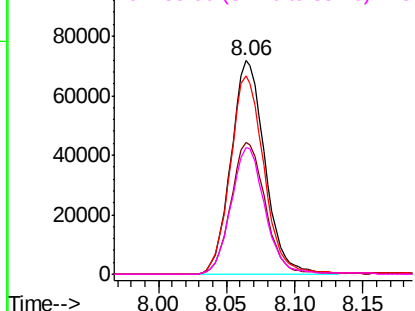
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

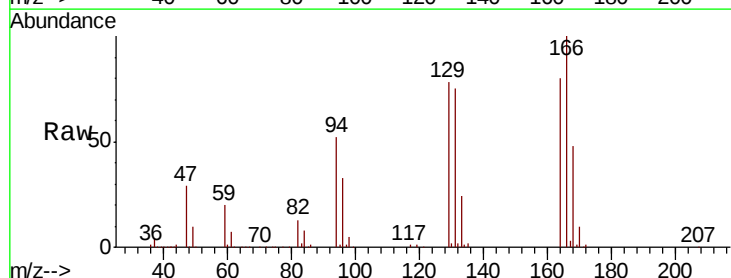
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 10.154 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

Tgt Ion:	164	Resp:	132034
Ion	Ratio	Lower	Upper
164	100		
129	97.1	70.1	130.1
131	93.3	67.8	125.8
166	124.5	87.9	163.3



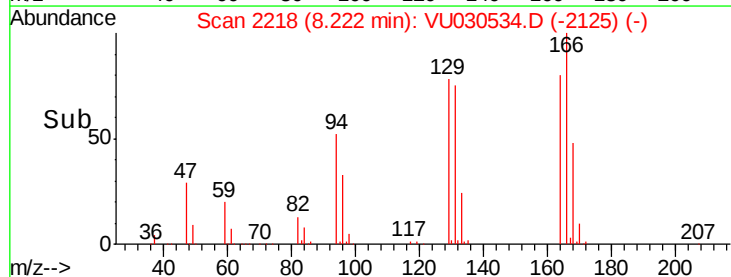
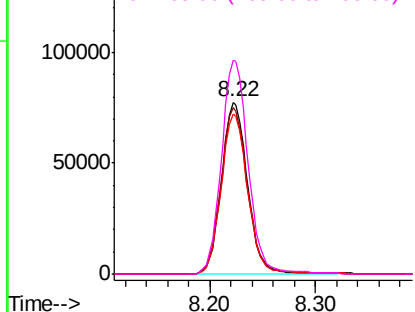
Abundance

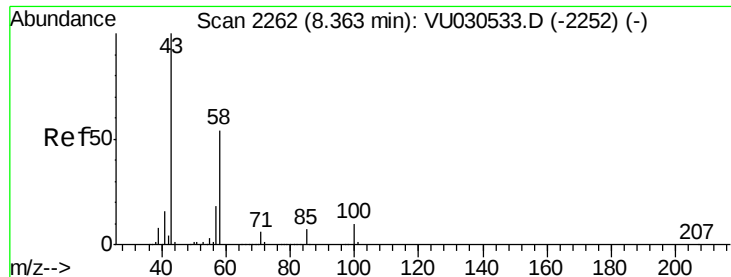
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

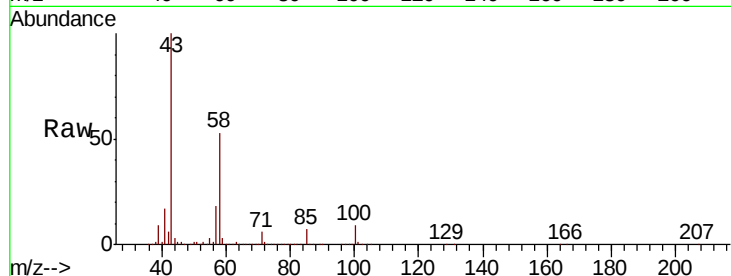




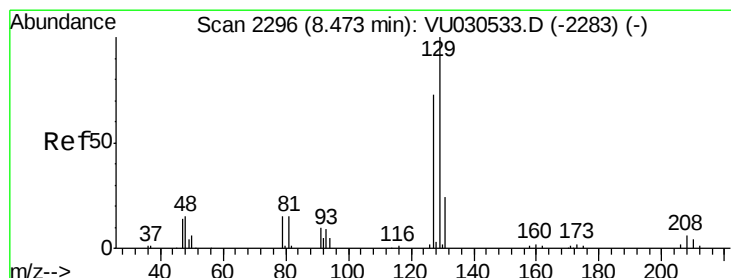
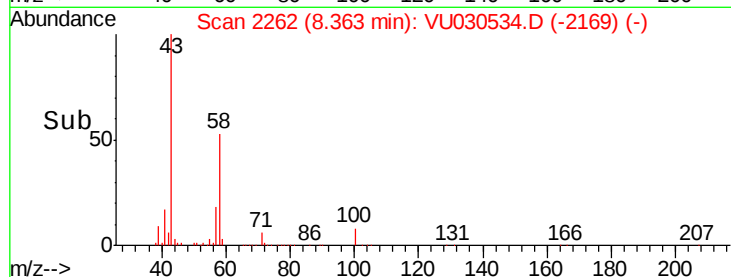
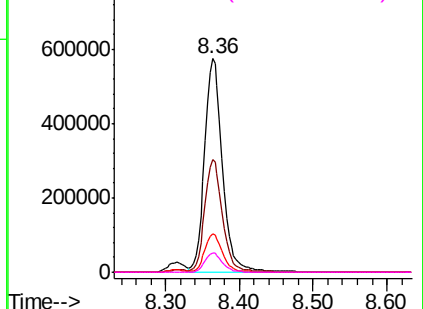
#48
2-Hexanone
Concen: 110.808 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion: 43 Resp: 976069
Ion Ratio Lower Upper
43 100
58 52.3 42.5 63.7
57 17.7 13.9 20.9
100 8.9 7.1 10.7

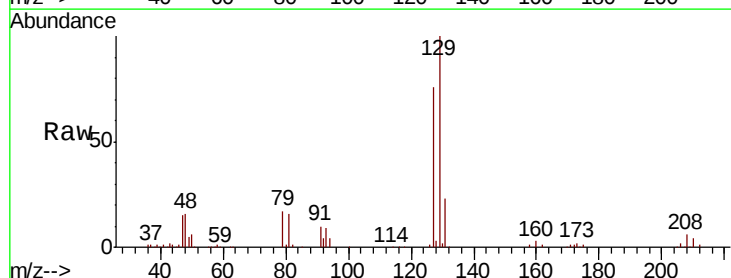


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

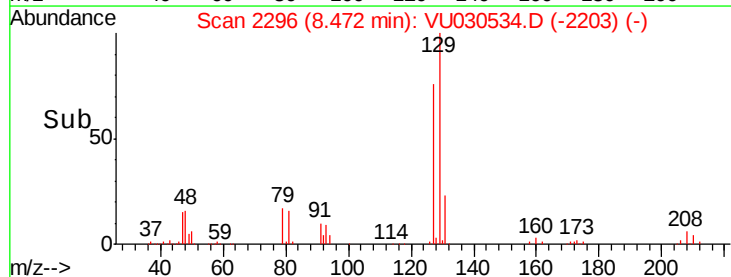
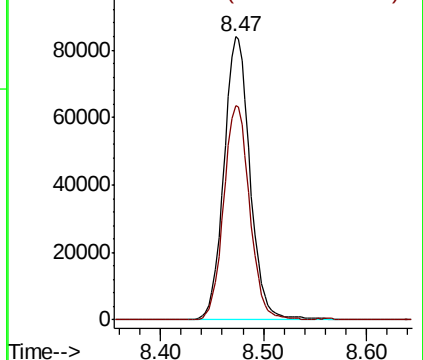


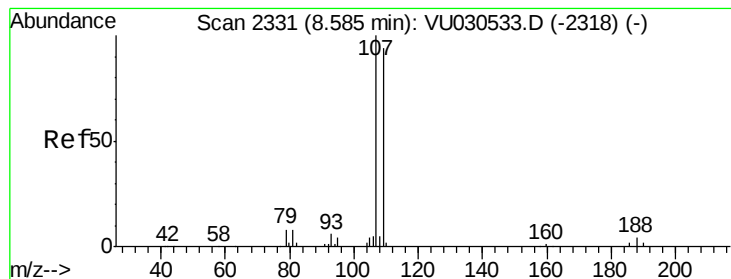
#49
Dibromochloromethane
Concen: 10.182 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

Tgt Ion: 129 Resp: 147962
Ion Ratio Lower Upper
129 100
127 75.8 51.1 94.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 10.304 ug/L

RT: 8.59 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

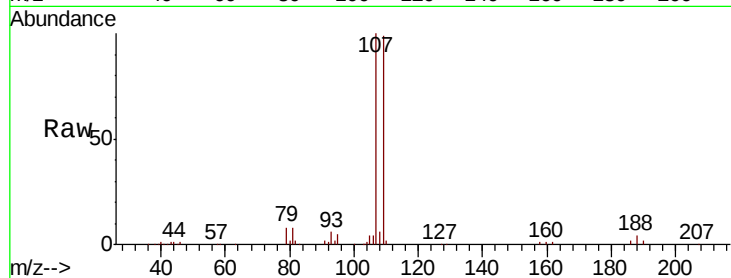
Tot Ion:107 Resp: 116709

Ion Ratio Lower Upper

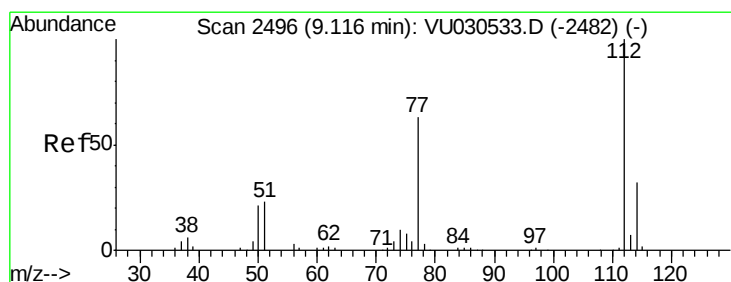
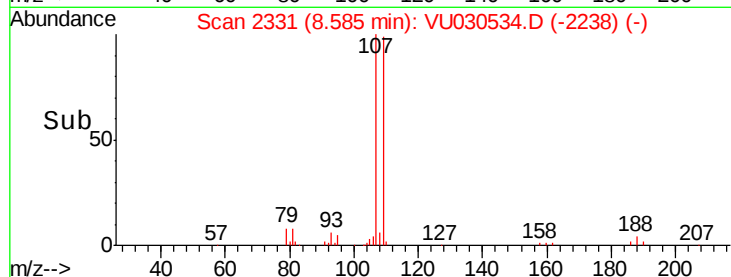
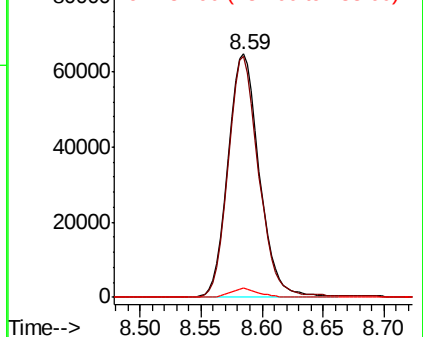
107 100

109 99.0 65.6 121.8

188 3.7 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 9.778 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

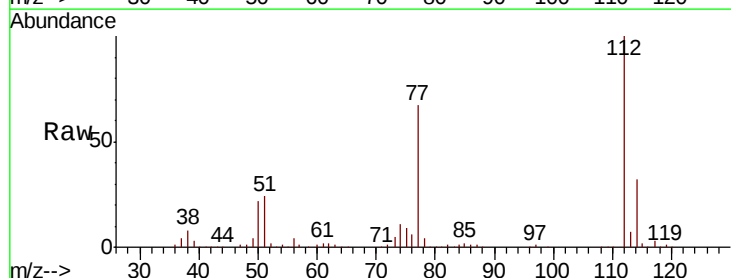
Tgt Ion:112 Resp: 447816

Ion Ratio Lower Upper

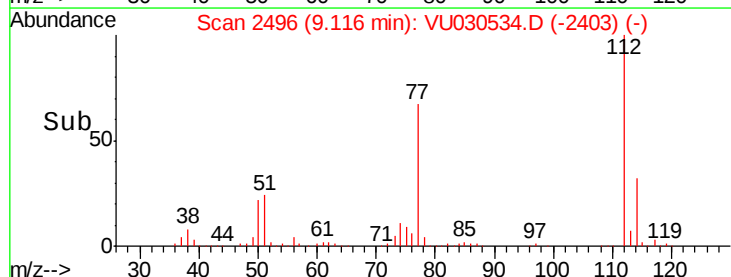
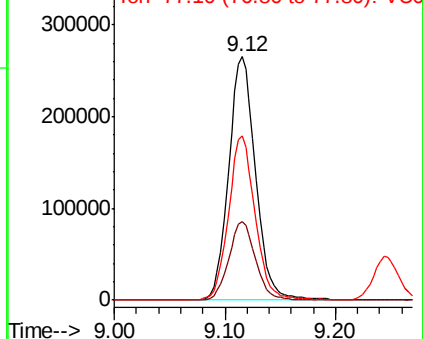
112 100

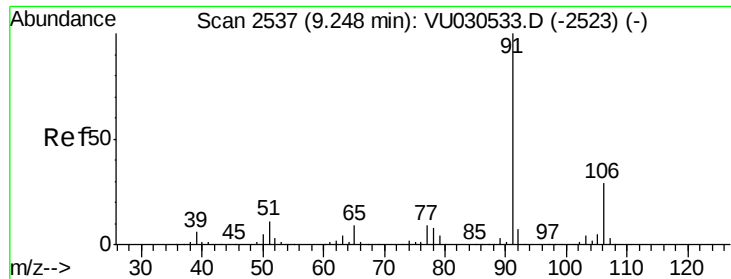
114 32.4 22.3 41.5

77 67.3 51.0 76.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

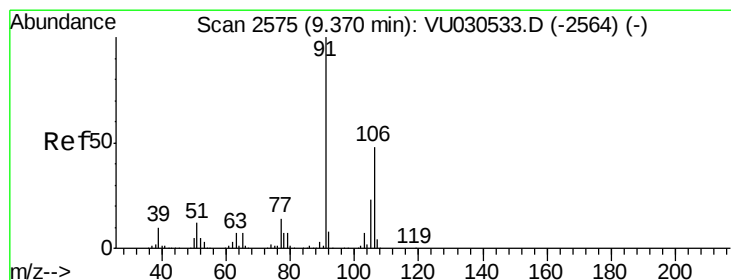
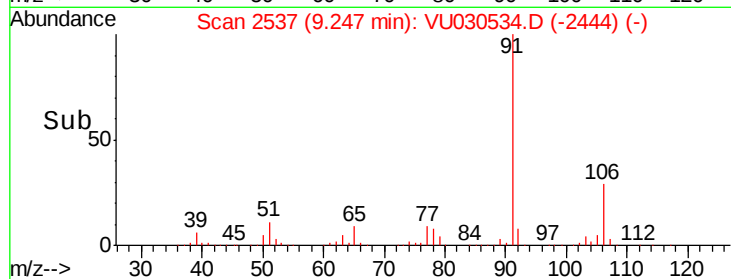
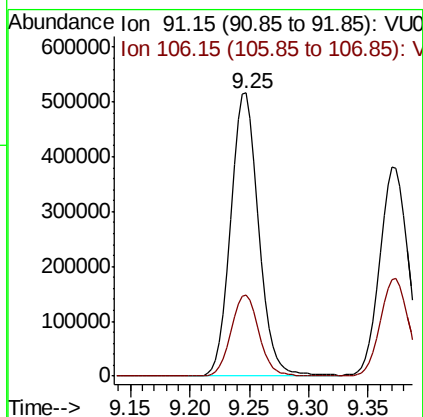
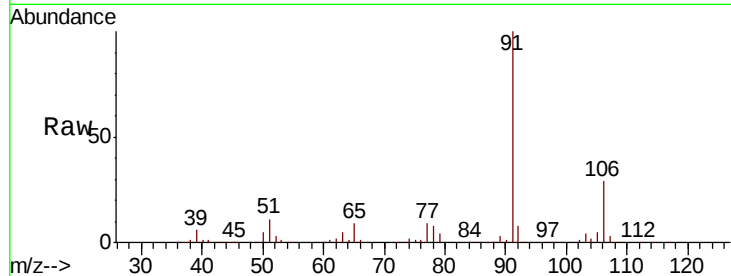




#52
Ethylbenzene
Concen: 10.645 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

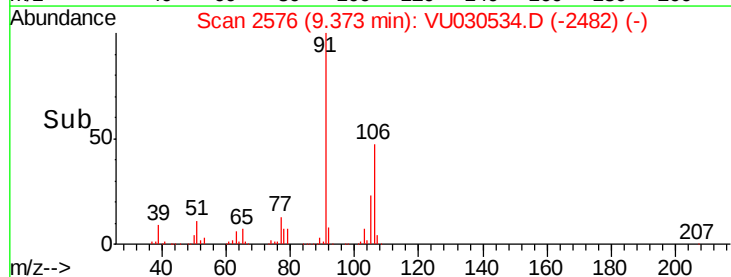
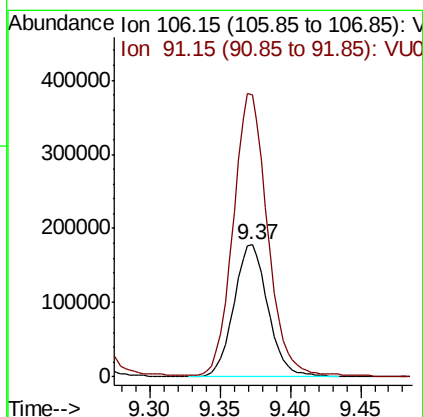
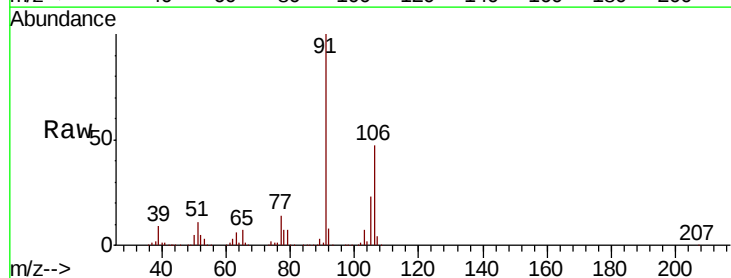
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

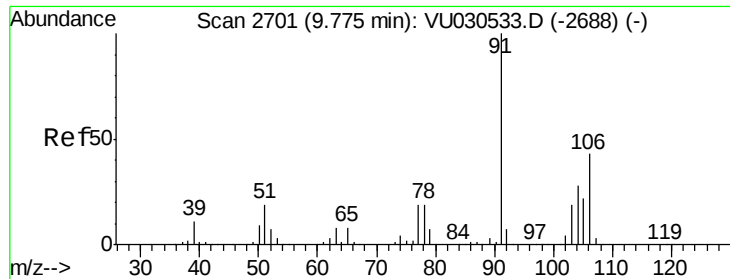
Tot Ion: 91 Resp: 843200
Ion Ratio Lower Upper
91 100
106 28.9 20.2 37.4



#53
m,p-Xylene
Concen: 10.833 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

Tgt Ion: 106 Resp: 299731
Ion Ratio Lower Upper
106 100
91 214.0 147.4 273.8

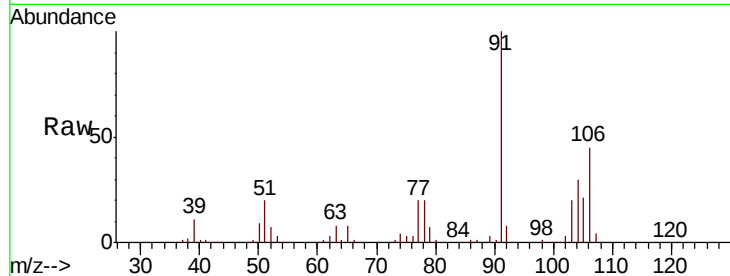




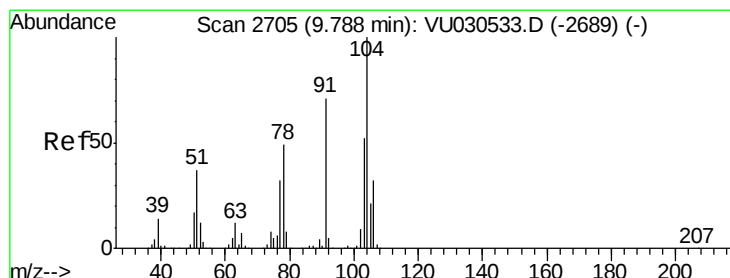
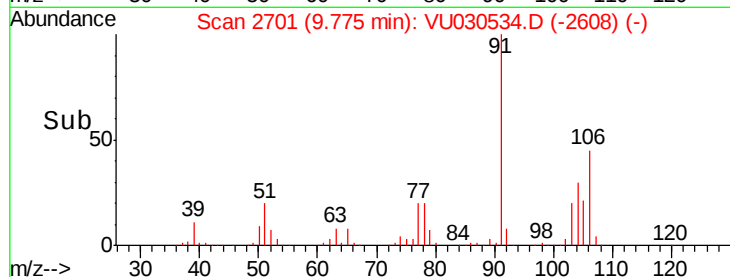
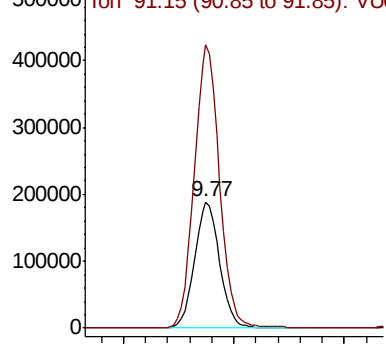
#54
o-Xylene
Concen: 10.938 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tot Ion:106 Resp: 296780
Ion Ratio Lower Upper
106 100
91 224.2 161.3 299.7

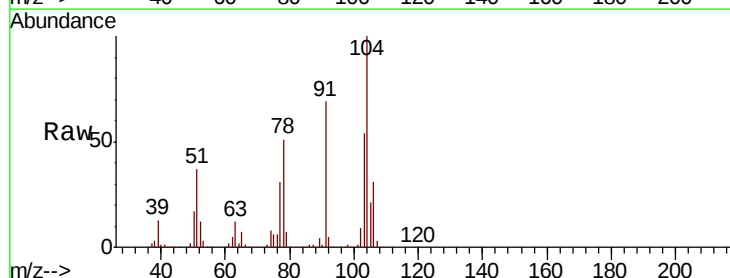


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

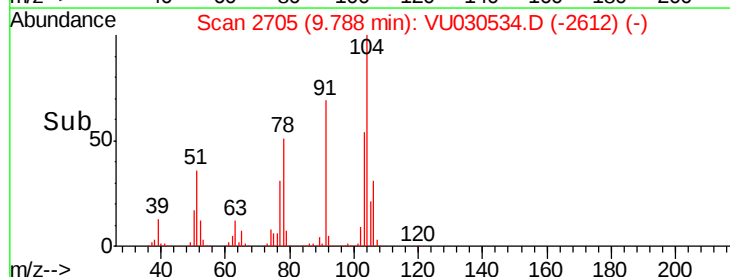
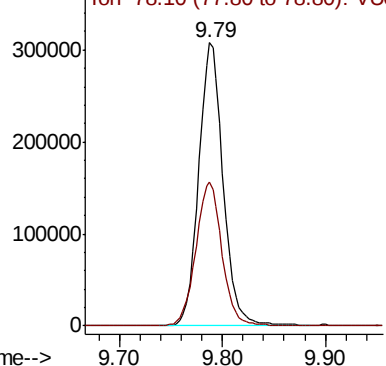


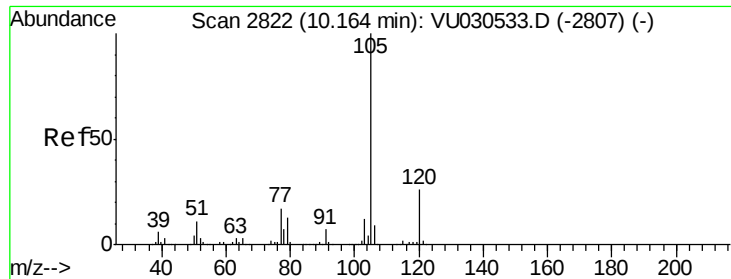
#55
Styrene
Concen: 11.113 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU030534.D
Acq: 29 Mar 2019 10:18

Tgt Ion:104 Resp: 508710
Ion Ratio Lower Upper
104 100
78 50.9 34.4 63.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.893 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

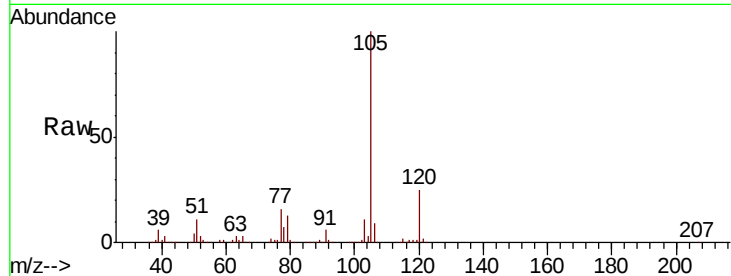
Tot Ion:105 Resp: 789509

Ion Ratio Lower Upper

105 100

120 25.0 20.5 30.7

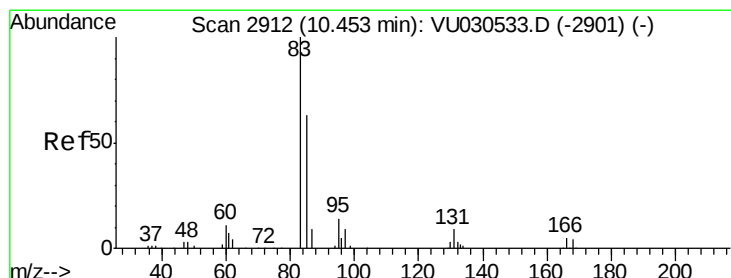
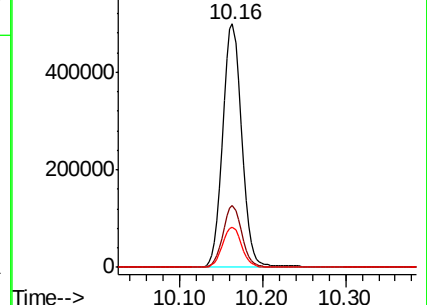
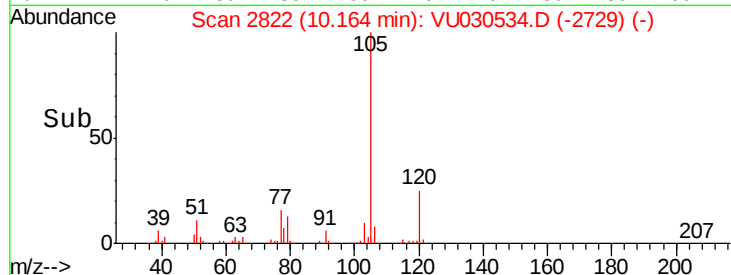
77 16.7 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.193 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

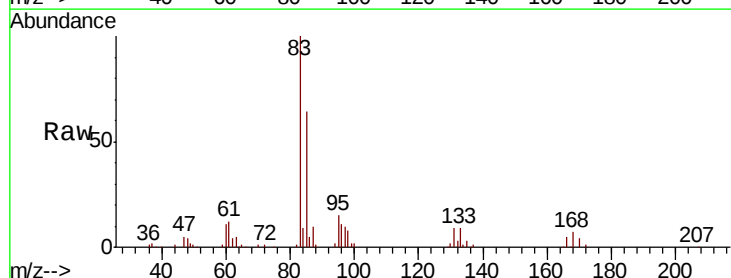
Tgt Ion: 83 Resp: 164677

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.5

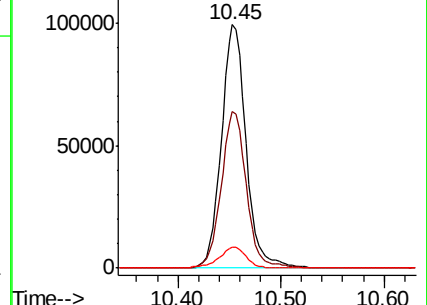
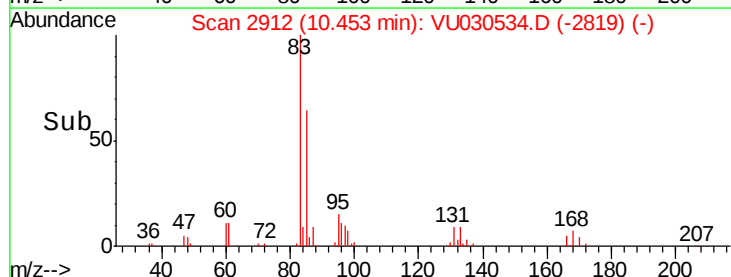
131 8.7 7.4 11.2

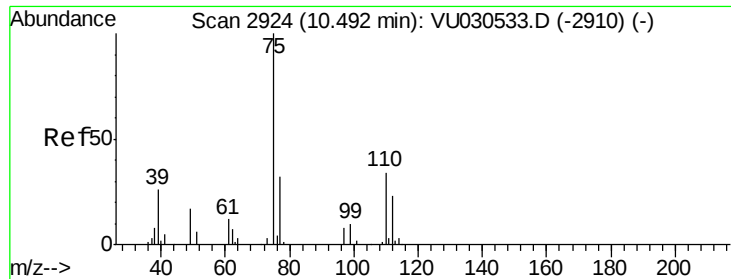


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

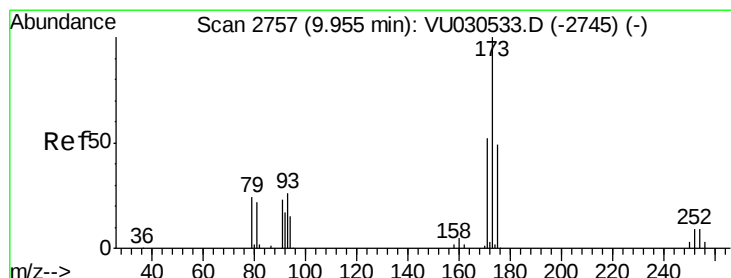
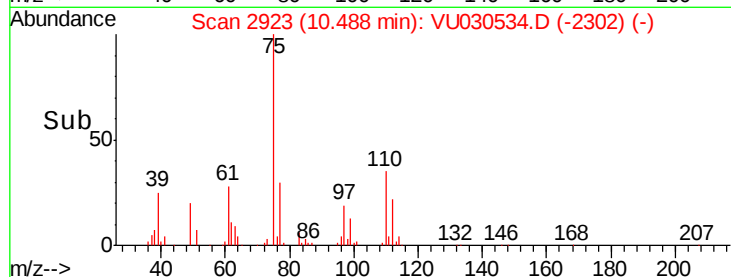
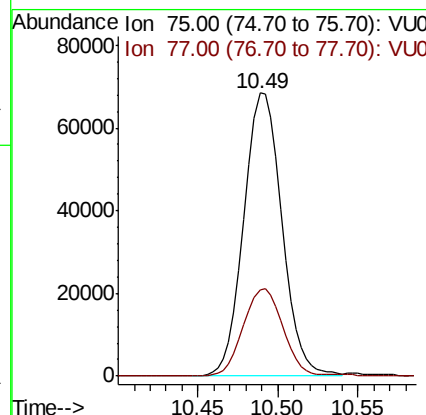
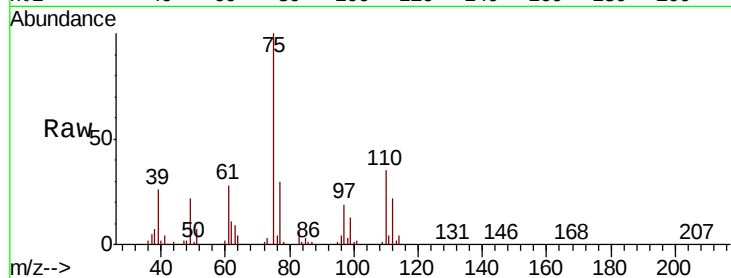




#59
 1,2,3-Trichloropropane
 Concen: 9.796 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

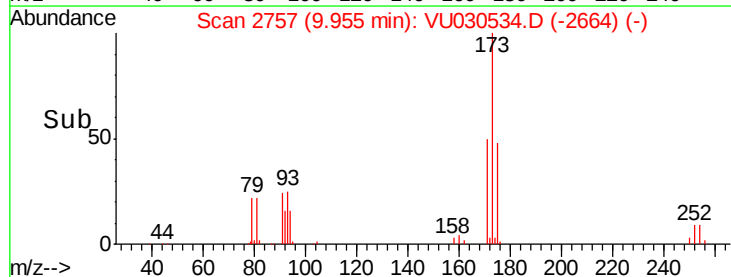
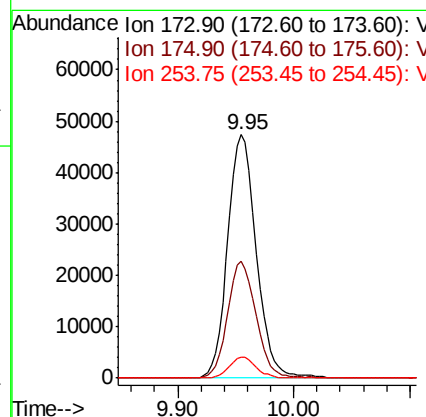
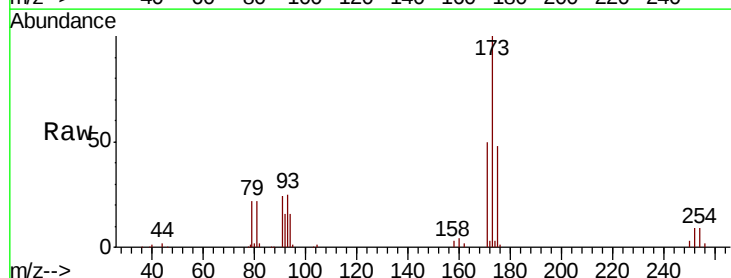
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

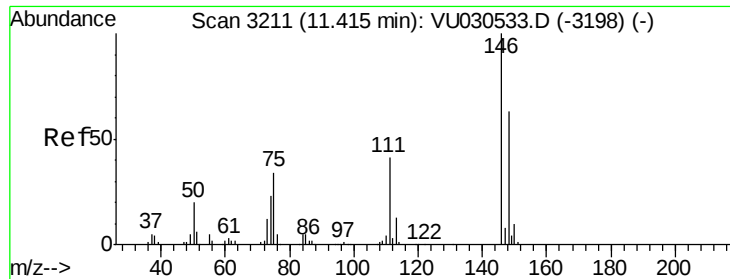
Tot Ion: 75 Resp: 111550
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#61
 Bromoform
 Concen: 10.191 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

Tgt Ion: 173 Resp: 80841
 Ion Ratio Lower Upper
 173 100
 175 47.1 38.6 58.0
 254 8.0 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 9.871 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

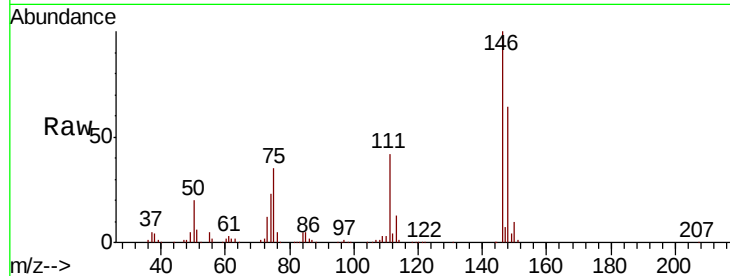
Tot Ion:146 Resp: 326269

Ion Ratio Lower Upper

146 100

111 42.3 28.9 53.7

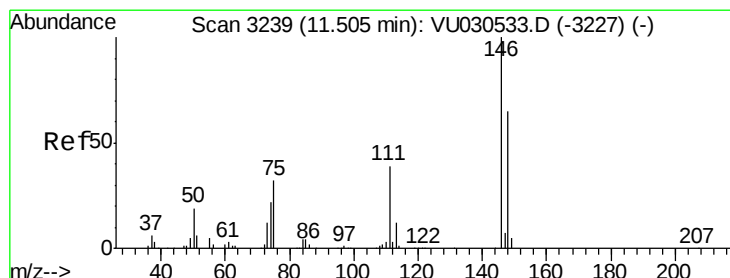
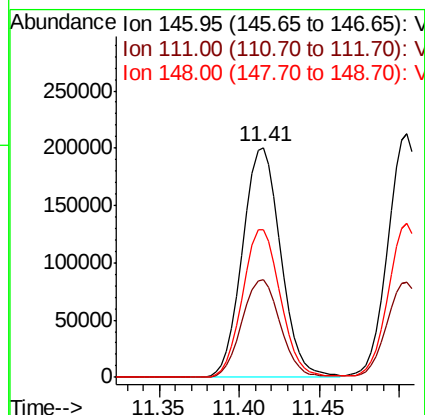
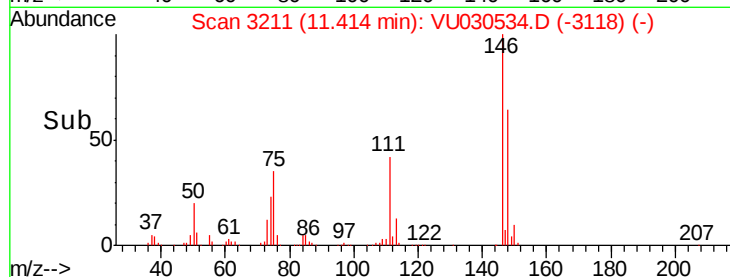
148 64.3 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.777 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

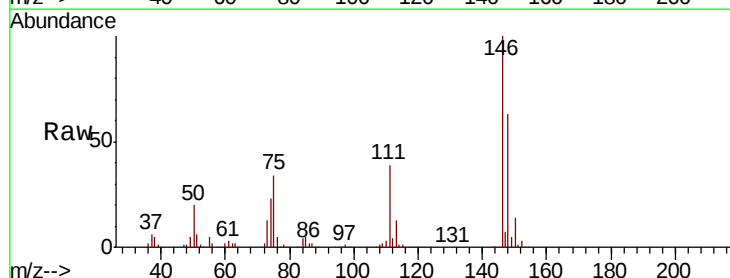
Tgt Ion:146 Resp: 338742

Ion Ratio Lower Upper

146 100

111 39.1 27.9 51.9

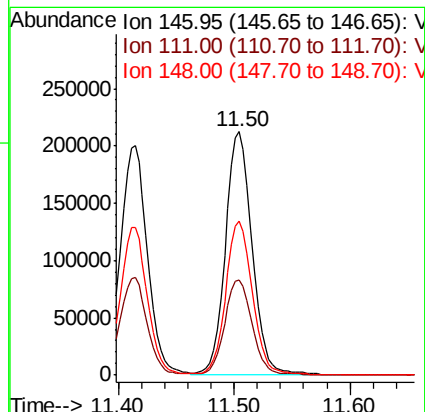
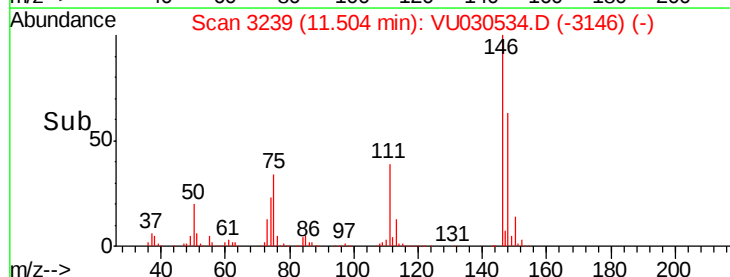
148 63.3 45.4 84.4

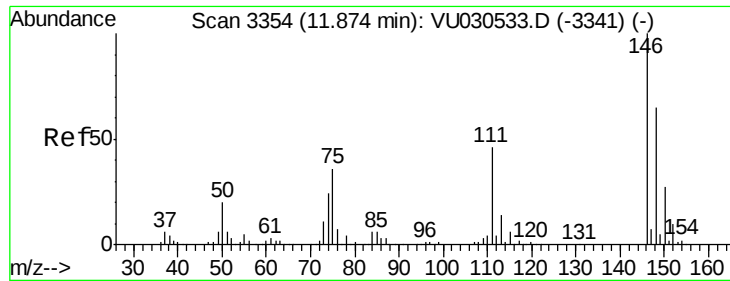


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.858 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

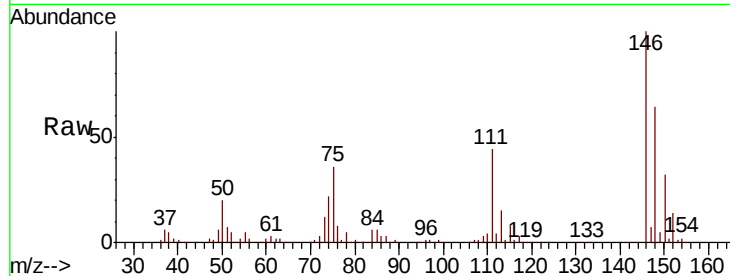
Tot Ion:146 Resp: 317038

Ion Ratio Lower Upper

146 100

111 43.8 37.1 55.7

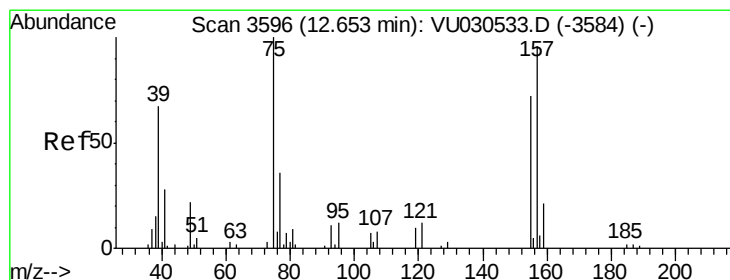
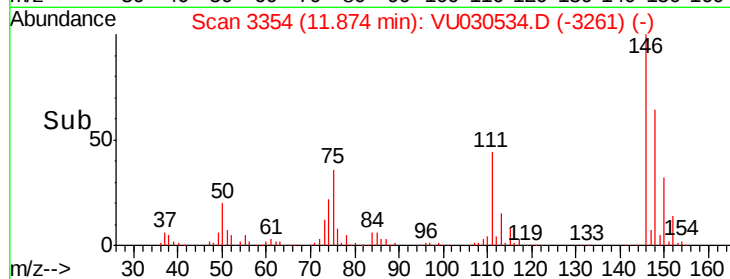
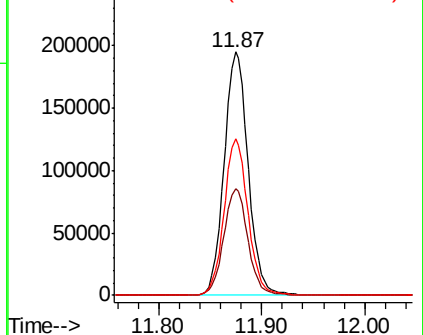
148 64.1 51.8 77.8



Abundance Ion 145.95 (145.65 to 146.65): 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: 10.719 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

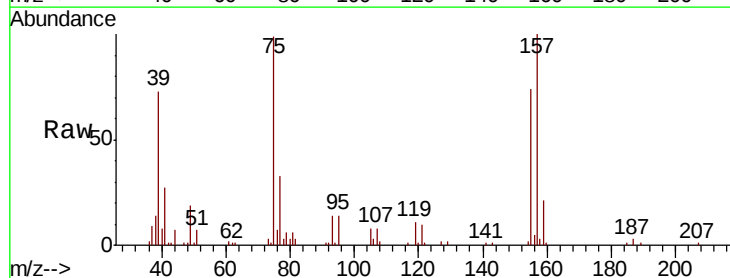
Tgt Ion: 75 Resp: 26675

Ion Ratio Lower Upper

75 100

155 74.9 57.7 86.5

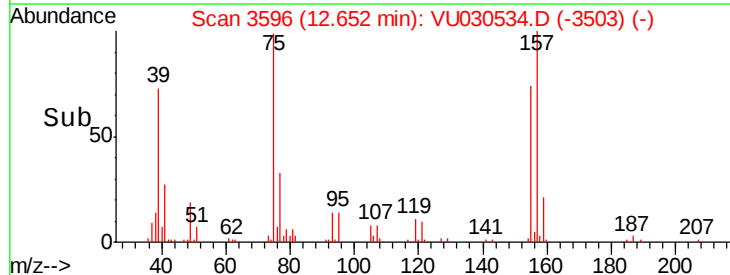
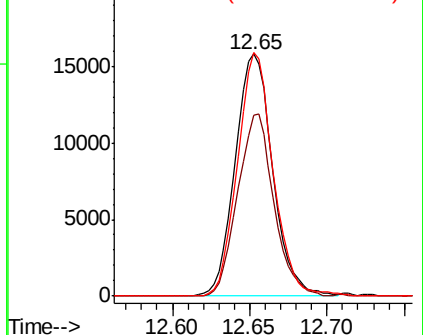
157 100.7 76.9 115.3

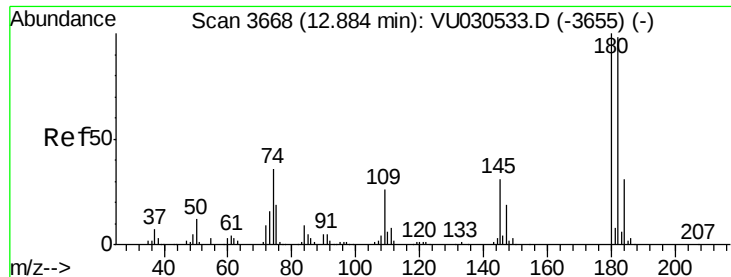


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

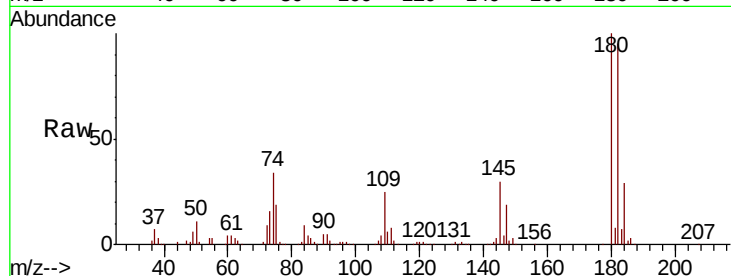




#67
 1,3,5-Trichlorobenzene
 Concen: 10.409 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
184	30.4	24.2	36.2
145	30.3	24.1	36.1



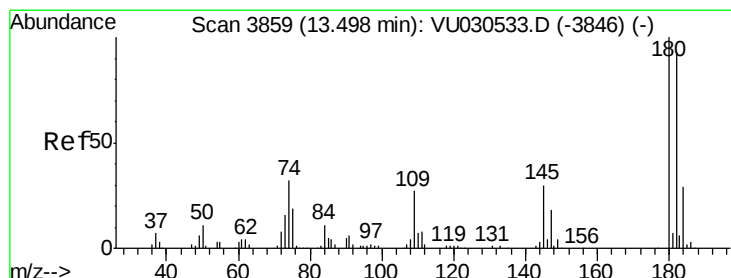
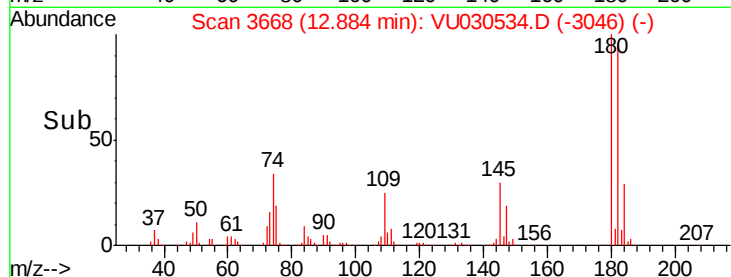
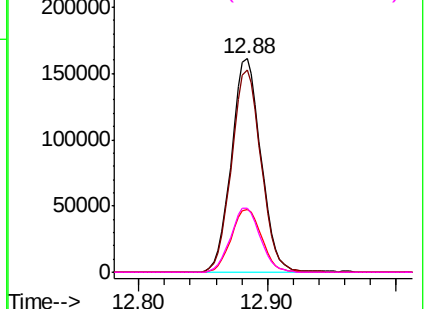
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

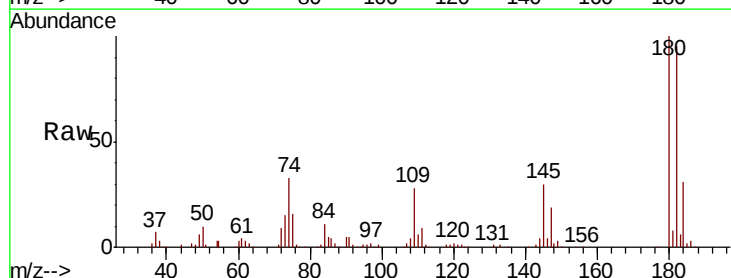
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.024 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030534.D
 Acq: 29 Mar 2019 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	74.6	111.8
145	30.2	23.6	35.4

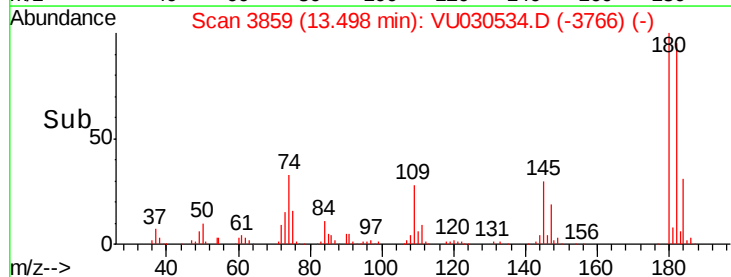
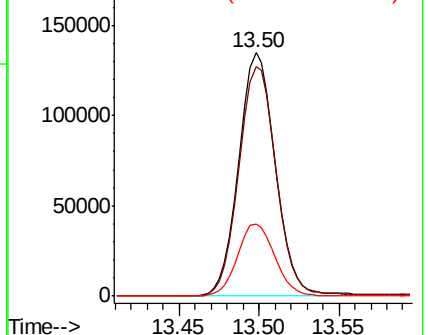


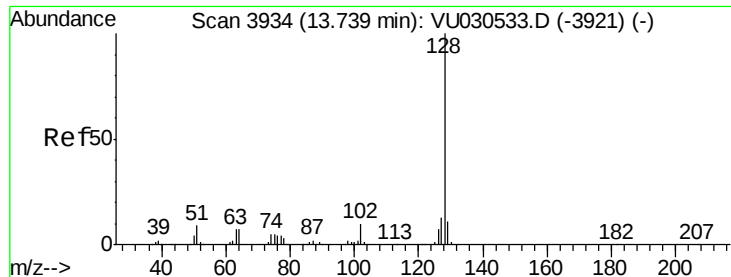
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.004 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

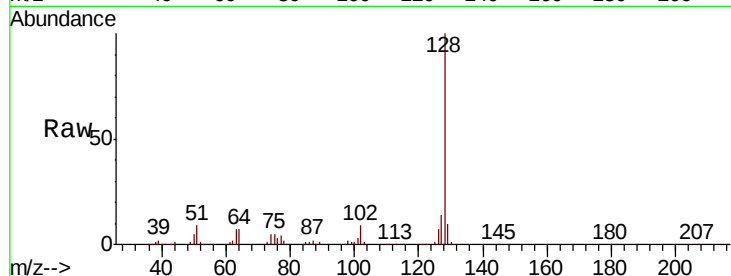
Tot Ion:128 Resp: 367175

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

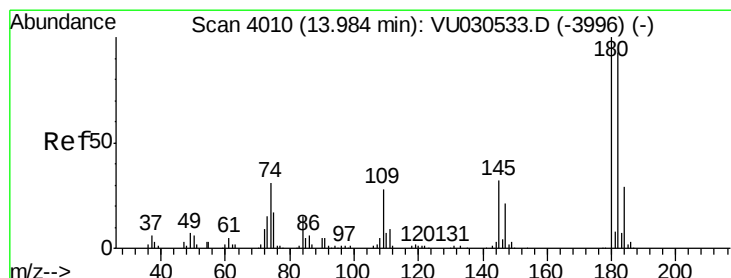
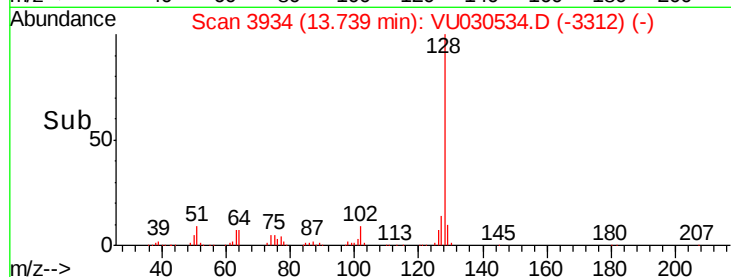
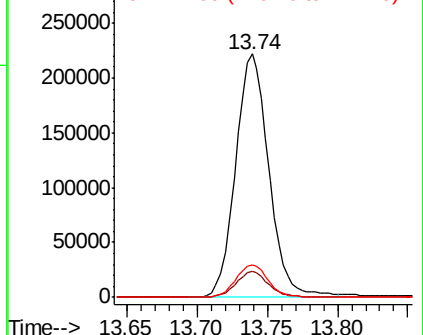
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.414 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030534.D

Acq: 29 Mar 2019 10:18

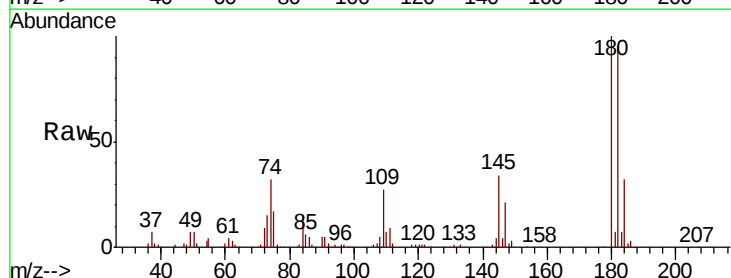
Tgt Ion:180 Resp: 202603

Ion Ratio Lower Upper

180 100

182 94.1 76.8 115.2

145 32.5 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

