

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020119\
 Data File : VU029329.D
 Acq On : 01 Feb 2019 12:07
 Operator : JC/SP
 Sample : VSTD00545
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

Quant Time: Feb 01 23:06:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR020119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 01 23:02:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	64355	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	64288	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	34296	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	25708	4.95	ug/L	0.00
7) Chloroethane-d5	1.68	69	24463	4.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	68484	4.92	ug/L	0.00
20) 2-Butanone-d5	4.20	46	83364	51.16	ug/L	0.00
24) Chloroform-d	4.65	84	60214	5.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	37544	5.08	ug/L	0.00
32) Benzene-d6	5.34	84	100372	5.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	31244	5.16	ug/L	0.00
41) Toluene-d8	7.56	98	96327	5.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	15397	5.40	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	65910	53.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	27216	5.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	37544	5.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	40996	4.818 ug/L	100
3) Chloromethane	1.33	50	30767	4.849 ug/L	100
5) Vinyl chloride	1.40	62	33125	4.912 ug/L	100
6) Bromomethane	1.63	94	20748	4.647 ug/L	100
8) Chloroethane	1.70	64	22278	4.403 ug/L	100
9) Trichlorofluoromethane	1.89	101	60445	4.867 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	28661	4.884 ug/L	100
12) 1,1-Dichloroethene	2.29	96	24127	4.831 ug/L	100
13) Acetone	2.33	43	69315	46.100 ug/L	100
14) Carbon disulfide	2.48	76	89405	4.749 ug/L	100
15) Methyl Acetate	2.62	43	17195	4.855 ug/L	100
16) Methylene chloride	2.70	84	28047	4.657 ug/L	100
17) Methyl tert-butyl Ether	3.01	73	76175	4.787 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	26477	4.740 ug/L	100
19) 1,1-Dichloroethane	3.44	63	57944	4.814 ug/L	100
21) 2-Butanone	4.28	43	80926	49.165 ug/L	100
22) cis-1,2-Dichloroethene	4.23	96	26497	4.904 ug/L	100
23) Bromochloromethane	4.55	128	11830	4.895 ug/L	100
25) Chloroform	4.67	83	54665	4.803 ug/L	100
27) 1,2-Dichloroethane	5.41	62	42267	4.882 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	51351	4.905 ug/L	100
30) Cyclohexane	4.99	56	40213	4.882 ug/L	100
31) Carbon tetrachloride	5.13	117	45083	4.907 ug/L	100
33) Benzene	5.39	78	102126	4.930 ug/L	100
34) Trichloroethene	6.18	95	27813	4.950 ug/L	100
35) Methylcyclohexane	6.41	83	40834	4.949 ug/L	100
37) 1,2-Dichloropropane	6.43	63	28004	4.995 ug/L	100
38) Bromodichloromethane	6.76	83	39959	4.931 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	41731	5.111 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	197134	50.862 ug/L	100

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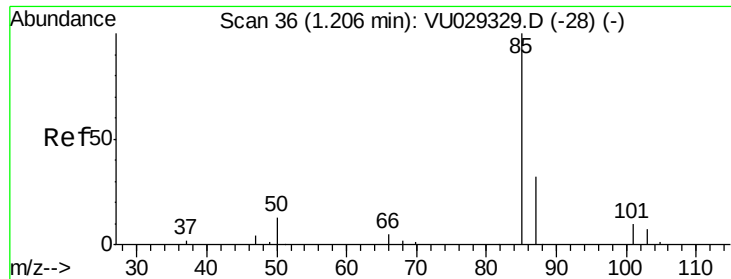
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.63	91	112593	5.148	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	37660	5.096	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	19307	4.964	ug/L	100
47) Tetrachloroethene	8.22	164	22739	4.890	ug/L	100
48) 2-Hexanone	8.36	43	145275	50.027	ug/L	100
49) Dibromochloromethane	8.47	129	26177	5.025	ug/L	100
50) 1,2-Dibromoethane	8.59	107	18585	5.045	ug/L	100
51) Chlorobenzene	9.12	112	70542	4.969	ug/L	100
52) Ethylbenzene	9.25	91	120447	4.961	ug/L	100
53) m,p-xylene	9.37	106	46630	5.103	ug/L	100
54) o-xylene	9.78	106	43688	4.992	ug/L	100
55) Styrene	9.79	104	78568	5.224	ug/L	100
56) Isopropylbenzene	10.16	105	120894	5.077	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	24675	4.914	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	20210	5.059	ug/L	100
61) Bromoform	9.95	173	15344	4.868	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	56743	4.834	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	59412	4.850	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	56871	4.957	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	5246	5.251	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	47610	4.822	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	40180	4.764	ug/L	100
69) Naphthalene	13.74	128	64700	4.755	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	39365	4.765	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.818 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

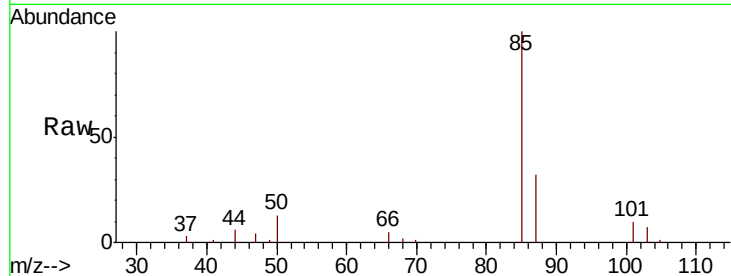
VSTD00545

Tgt Ion: 85 Resp: 40996

Ion Ratio Lower Upper

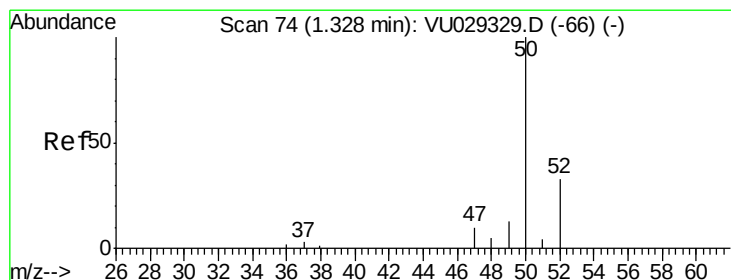
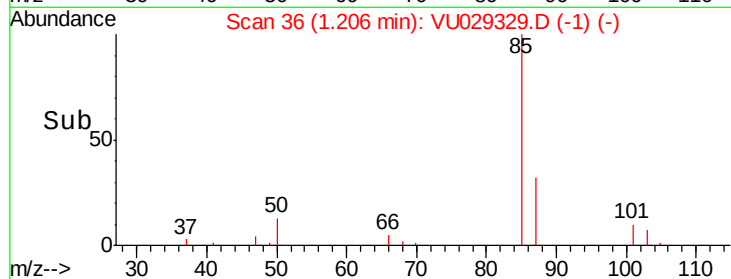
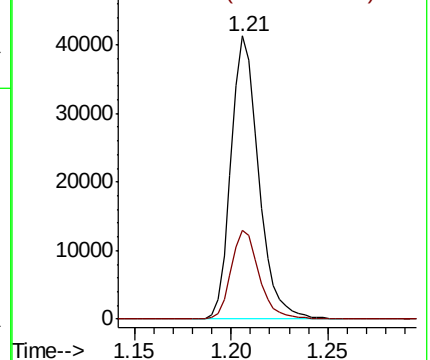
85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.849 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029329.D

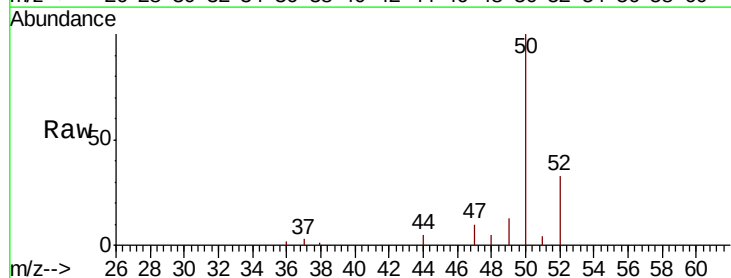
Acq: 01 Feb 2019 12:07

Tgt Ion: 50 Resp: 30767

Ion Ratio Lower Upper

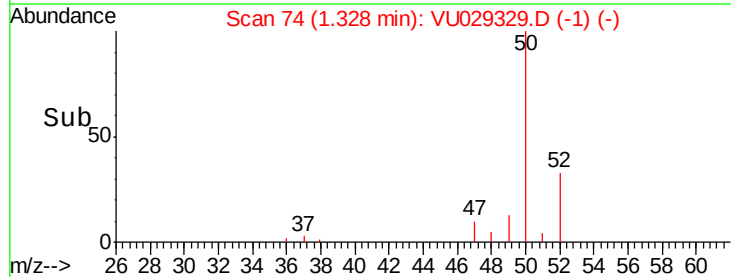
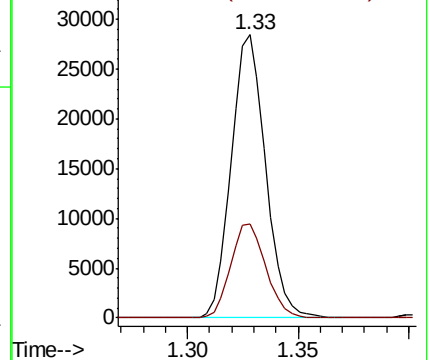
50 100

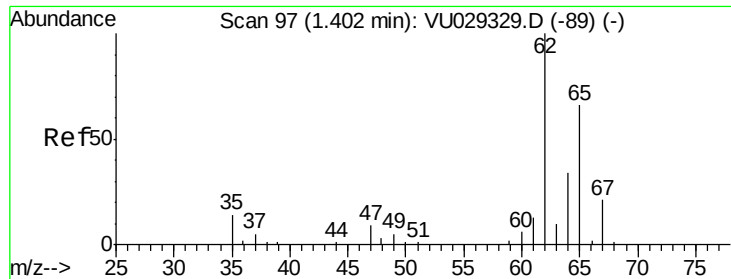
52 33.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.912 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

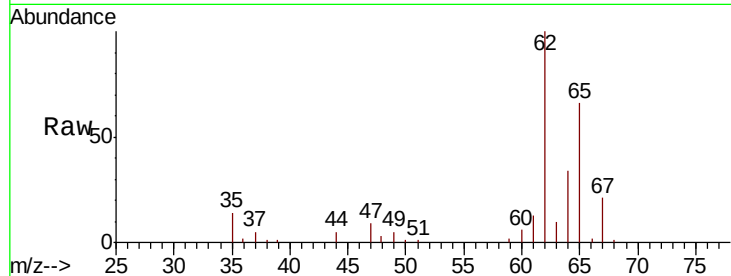
VSTD00545

Tgt Ion: 62 Resp: 33125

Ion Ratio Lower Upper

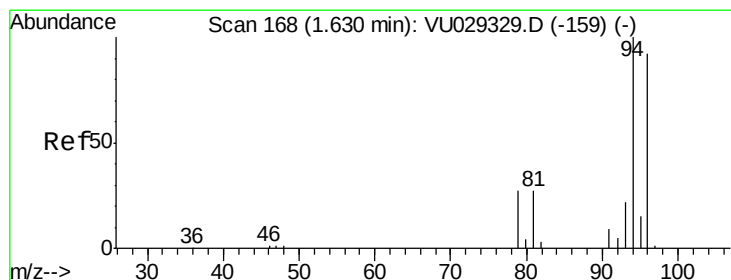
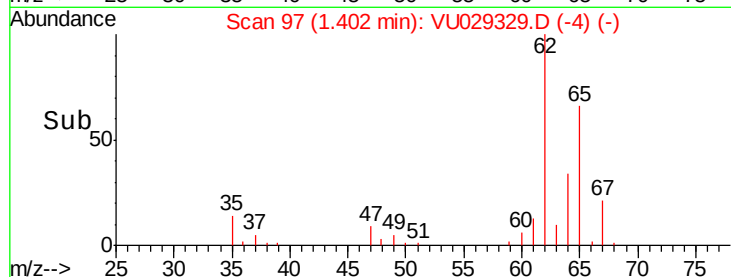
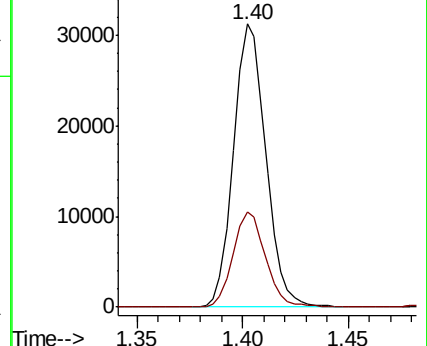
62 100

64 33.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.647 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029329.D

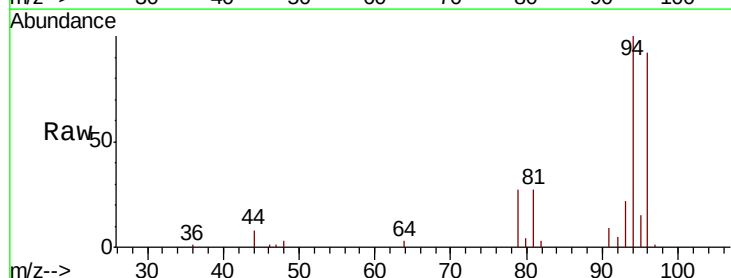
Acq: 01 Feb 2019 12:07

Tgt Ion: 94 Resp: 20748

Ion Ratio Lower Upper

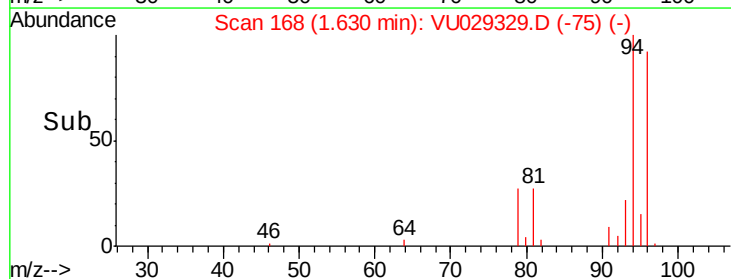
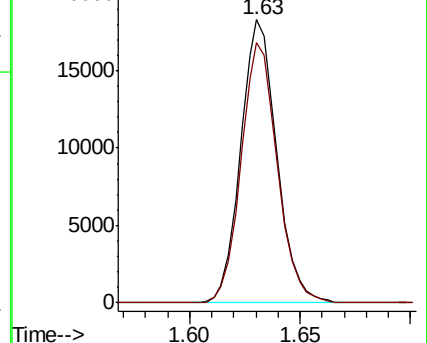
94 100

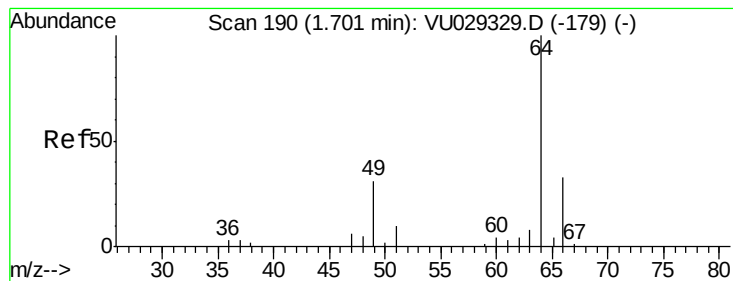
96 92.1 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.403 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

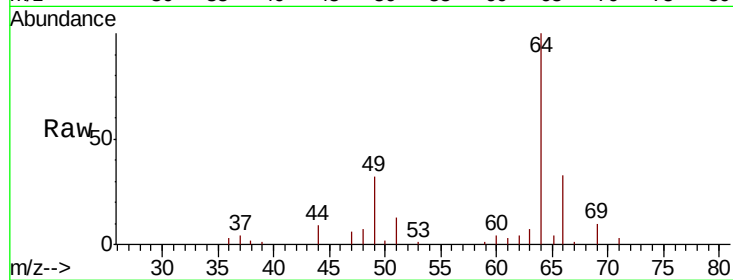
VSTD00545

Tgt Ion: 64 Resp: 22278

Ion Ratio Lower Upper

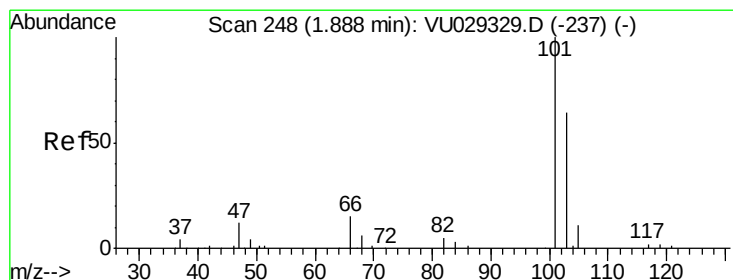
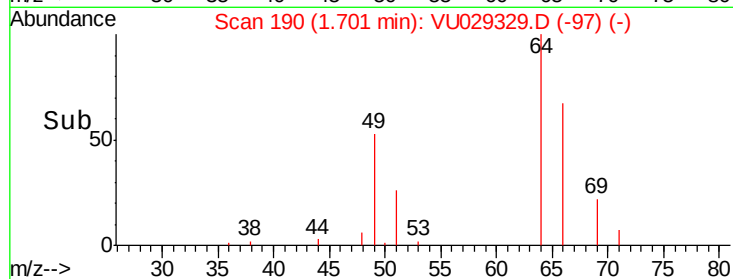
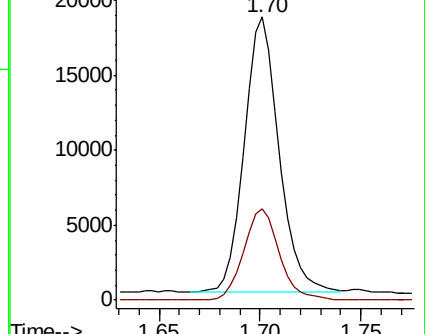
64 100

66 32.5 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VU029329.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU029329.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 4.867 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029329.D

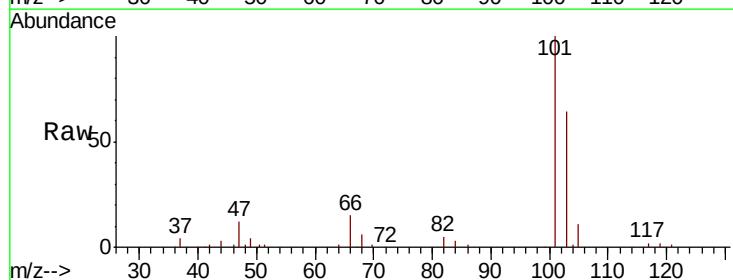
Acq: 01 Feb 2019 12:07

Tgt Ion: 101 Resp: 60445

Ion Ratio Lower Upper

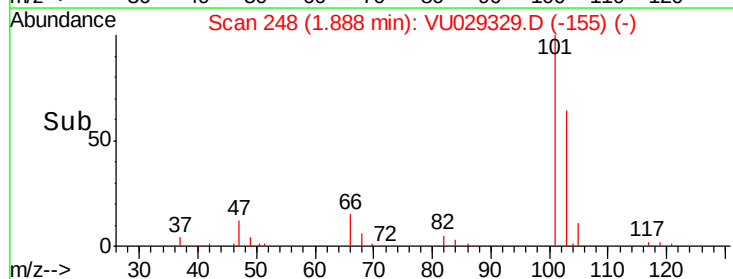
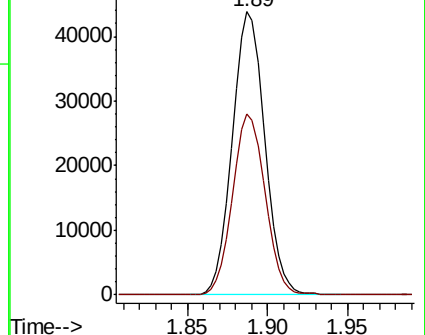
101 100

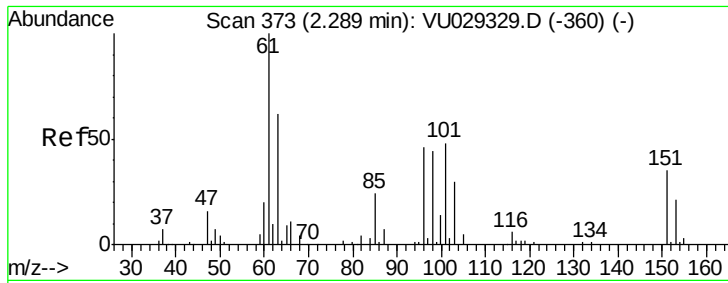
103 64.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU029329.D (-237) (-)

Ion 103.00 (102.70 to 103.70): VU029329.D (-237) (-)





#10

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

Concen: 4.884 ug/L

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

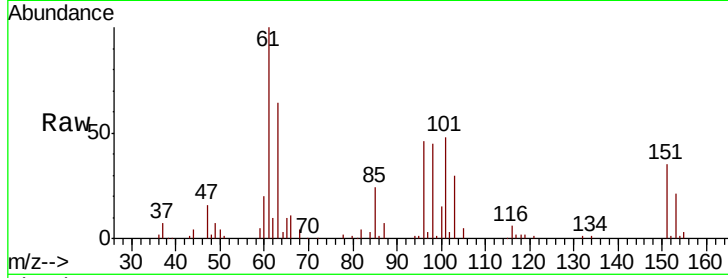
Tgt Ion:101 Resp: 28661

Ion Ratio Lower Upper

101 100

85 49.5 39.6 59.4

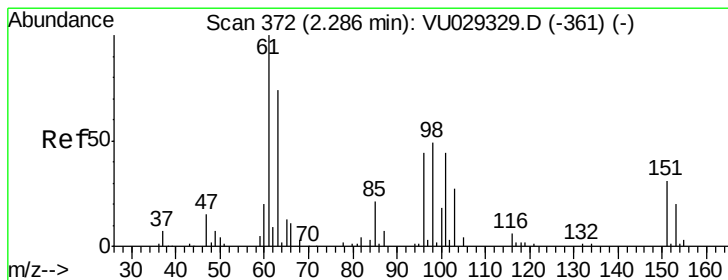
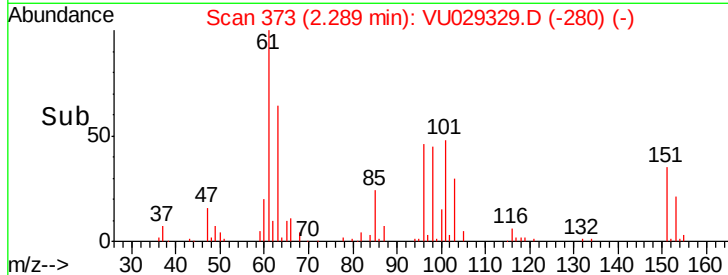
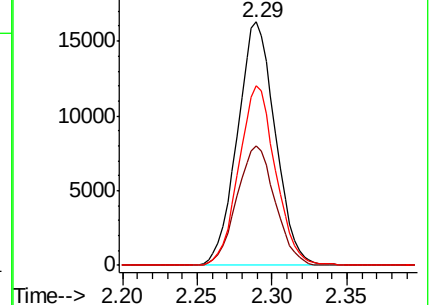
151 71.5 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.831 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

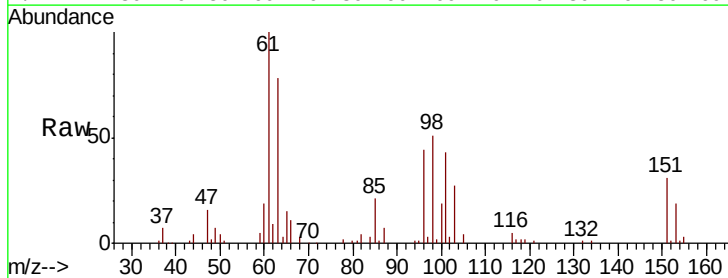
Tgt Ion: 96 Resp: 24127

Ion Ratio Lower Upper

96 100

61 227.8 159.5 296.1

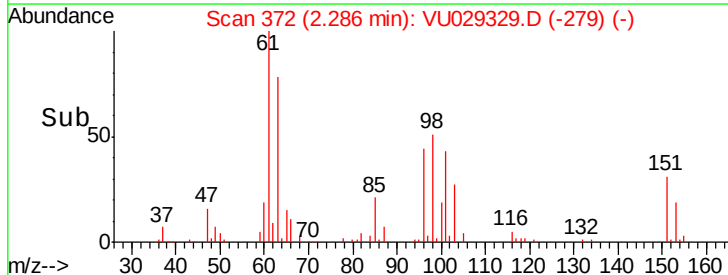
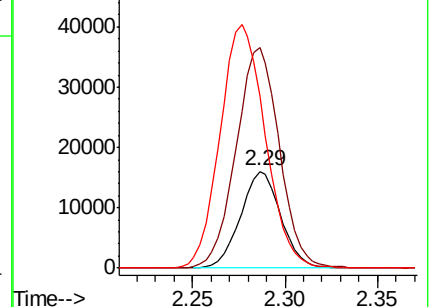
63 177.5 124.3 230.8

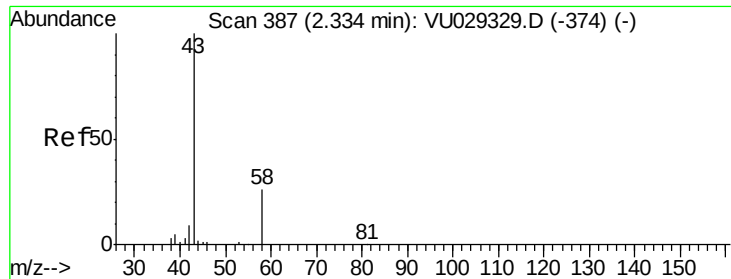


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.100 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

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ClientSampleId :

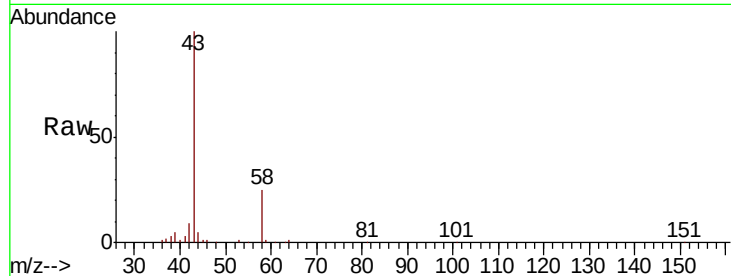
VSTD00545

Tgt Ion: 43 Resp: 69315

Ion Ratio Lower Upper

43 100

58 25.0 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.33

40000

30000

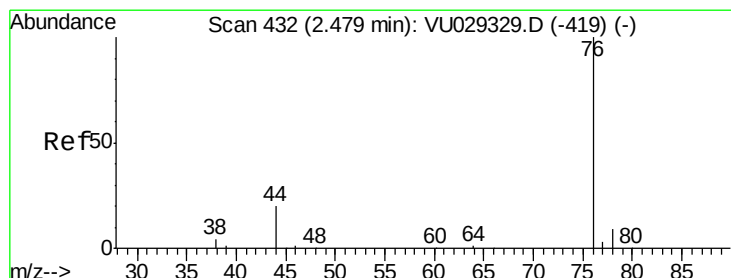
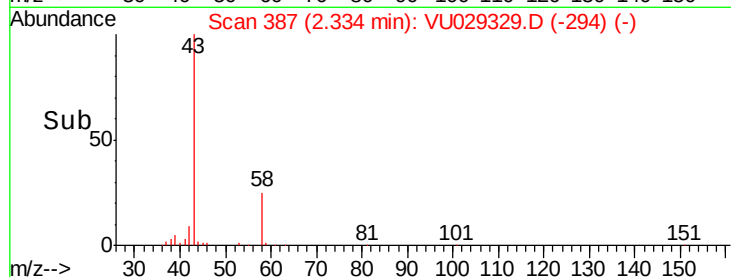
20000

10000

0

Time-->

2.25 2.30 2.35 2.40 2.45



#14

Carbon disulfide

Concen: 4.749 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VU029329.D

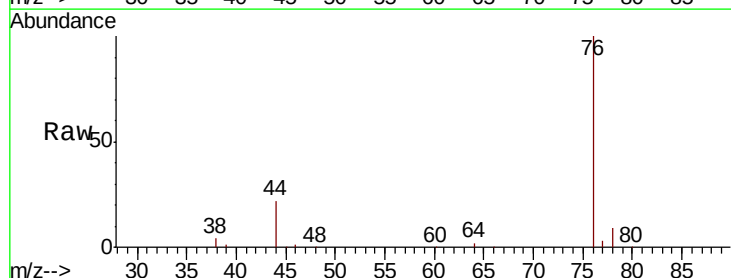
Acq: 01 Feb 2019 12:07

Tgt Ion: 76 Resp: 89405

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

60000

50000

40000

30000

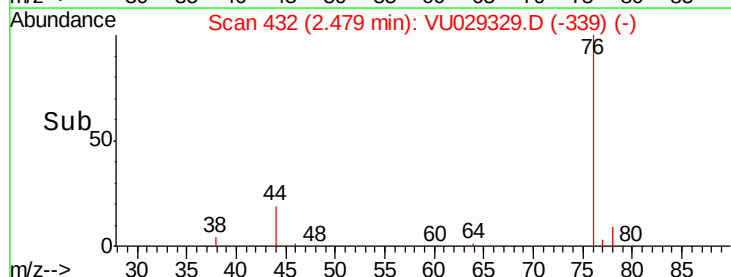
20000

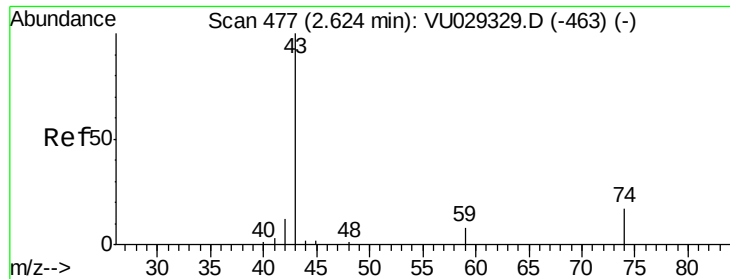
10000

0

Time-->

2.40 2.45 2.50 2.55 2.60





#15

Methyl Acetate

Concen: 4.855 ug/L

RT: 2.62 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

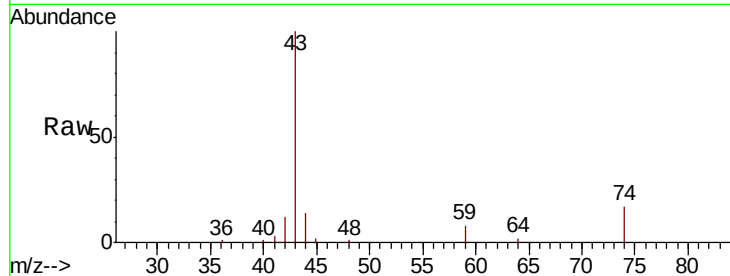
VSTD00545

Tgt Ion: 43 Resp: 17195

Ion Ratio Lower Upper

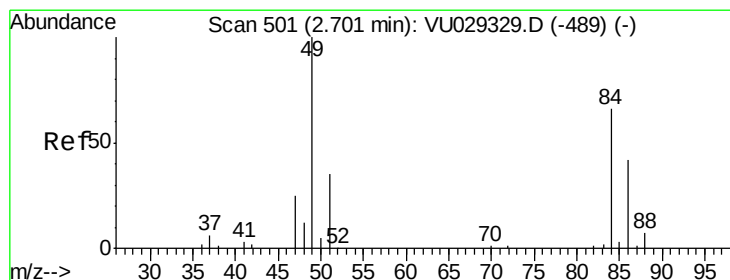
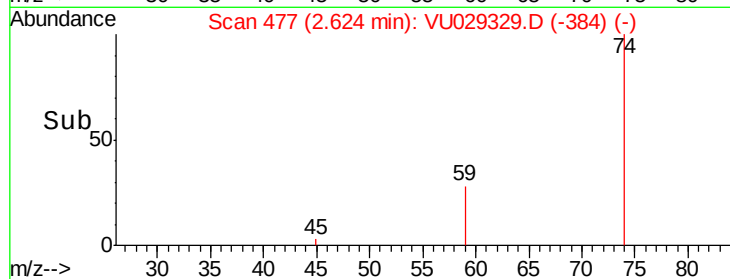
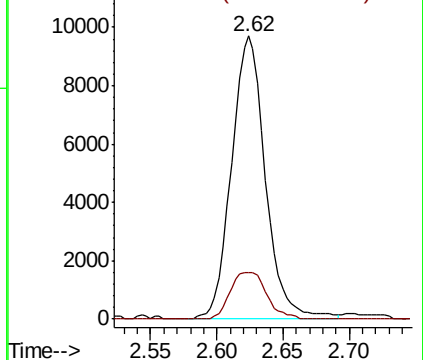
43 100

74 17.8 14.2 21.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.657 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

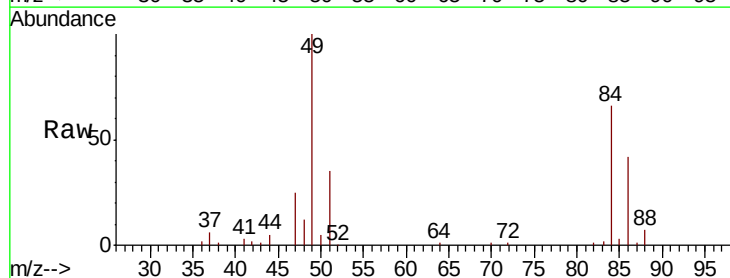
Tgt Ion: 84 Resp: 28047

Ion Ratio Lower Upper

84 100

86 63.3 44.3 82.3

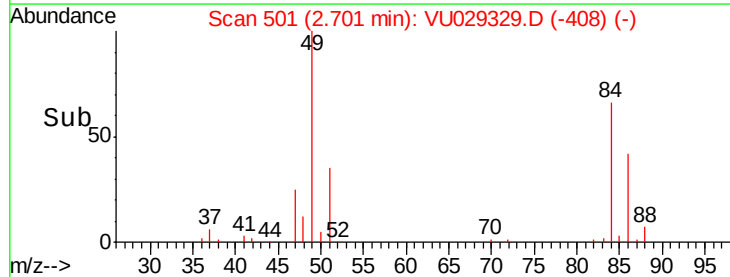
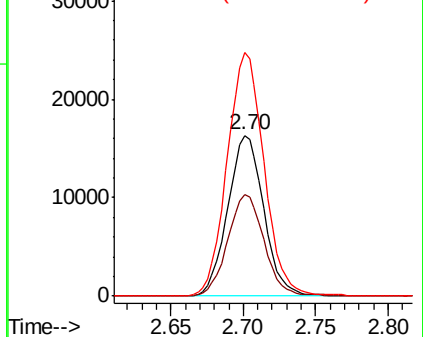
49 151.6 106.1 197.1

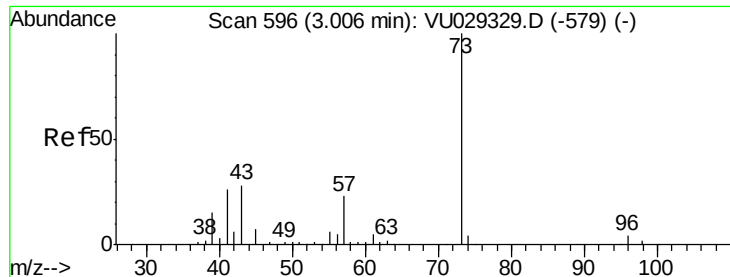


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

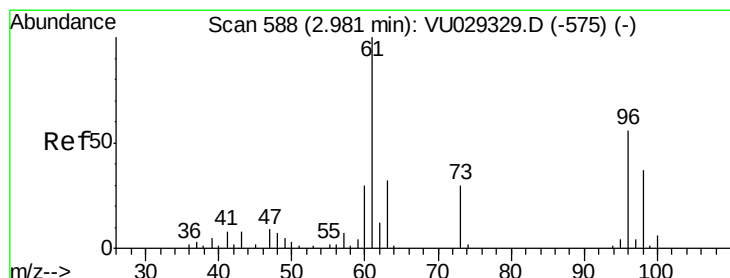
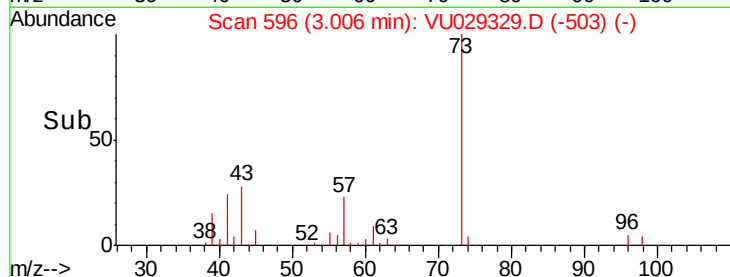
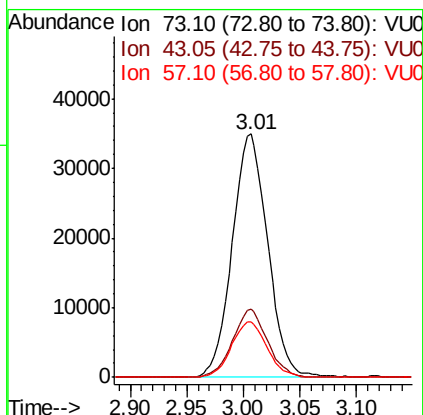
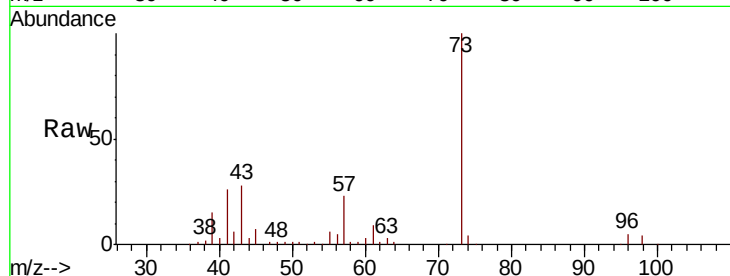




#17
Methyl tert-butyl Ether
Concen: 4.787 ug/L
RT: 3.01 min Scan# 596
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

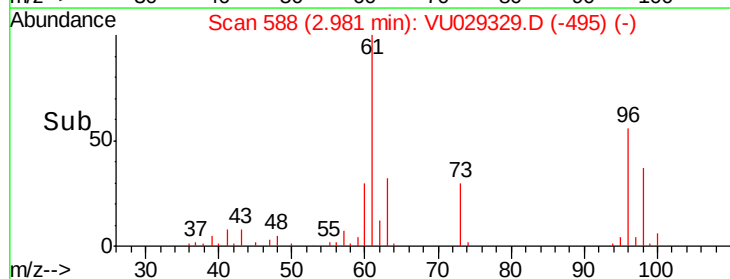
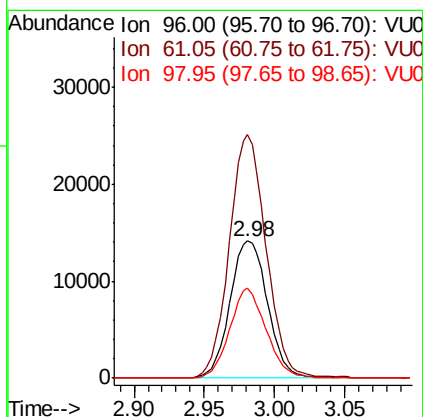
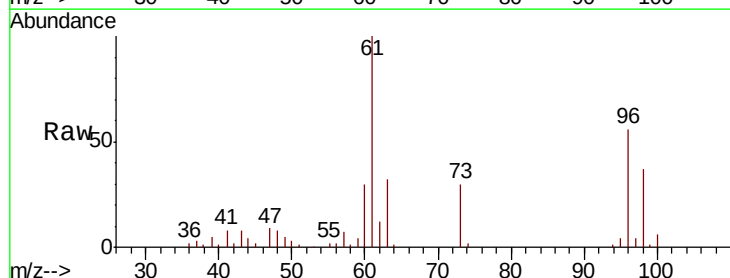
Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

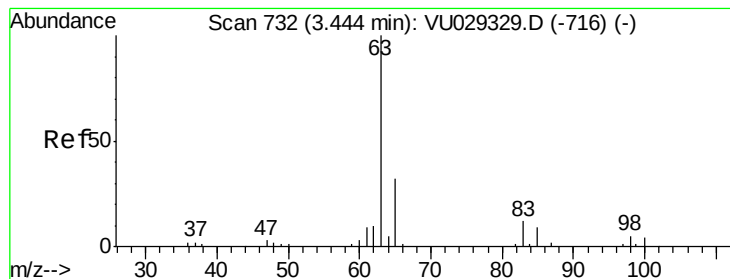
Tgt Ion: 73 Resp: 76175
Ion Ratio Lower Upper
73 100
43 27.4 21.9 32.9
57 22.7 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 4.740 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

Tgt Ion: 96 Resp: 26477
Ion Ratio Lower Upper
96 100
61 177.6 124.3 230.9
98 65.6 45.9 85.3





#19

1,1-Dichloroethane

Concen: 4.814 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

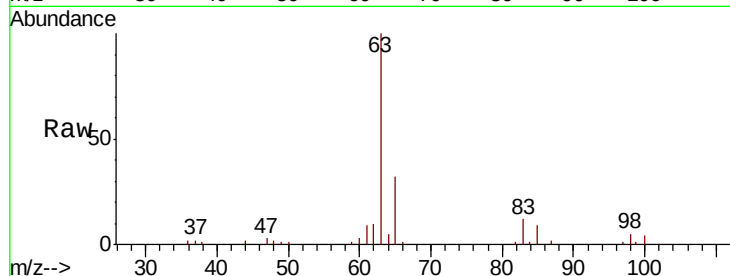
Tgt Ion: 63 Resp: 57944

Ion Ratio Lower Upper

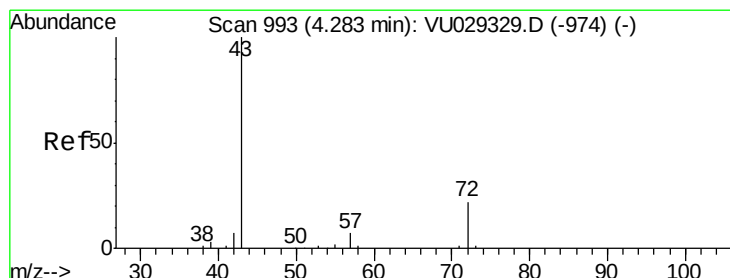
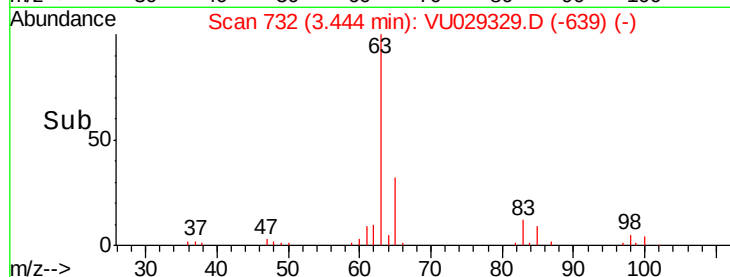
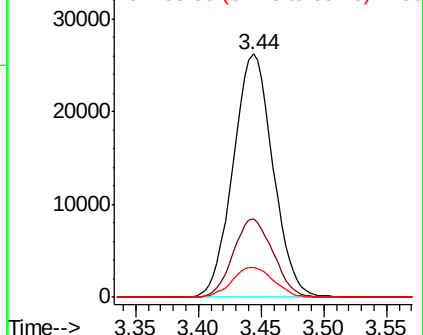
63 100

65 32.1 22.5 41.7

83 12.4 8.7 16.1



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 49.165 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.00 min

Lab File: VU029329.D

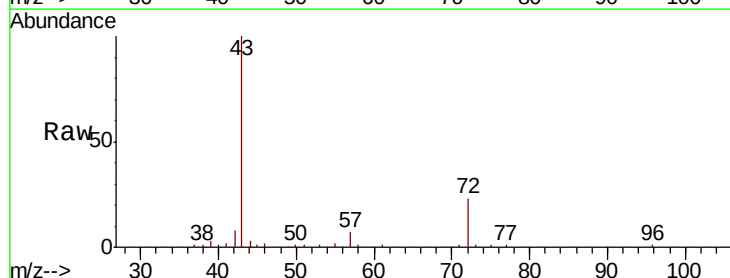
Acq: 01 Feb 2019 12:07

Tgt Ion: 43 Resp: 80926

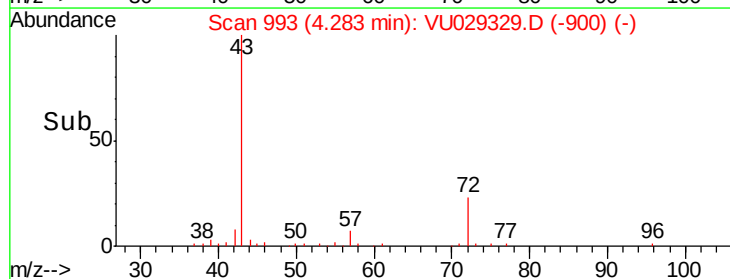
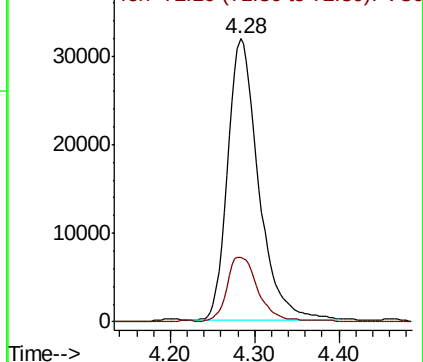
Ion Ratio Lower Upper

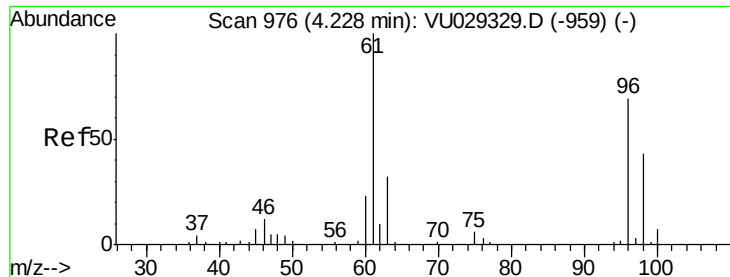
43 100

72 23.5 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



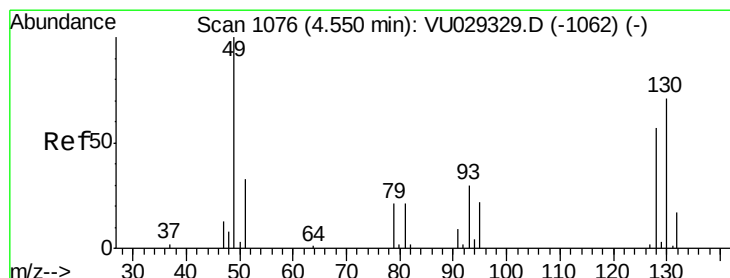
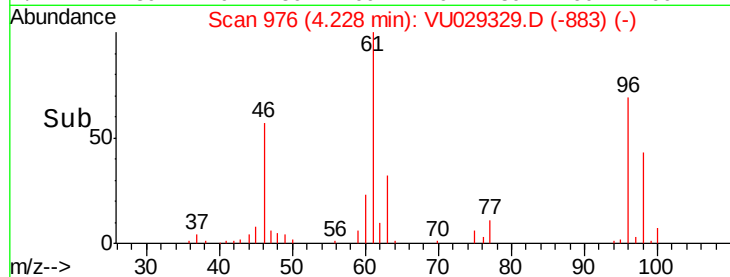
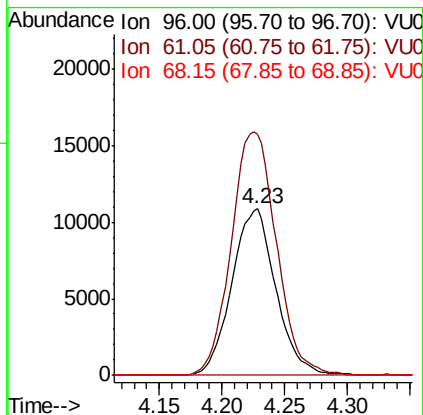
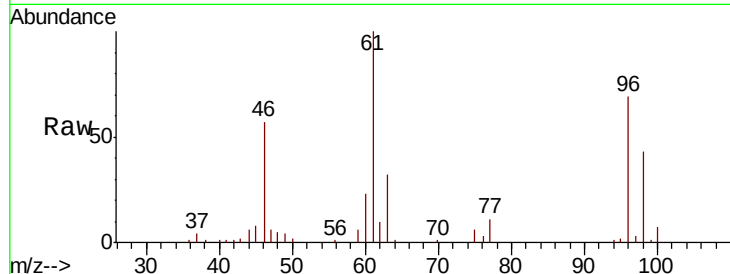


#22

cis-1,2-Dichloroethene
 Concen: 4.904 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

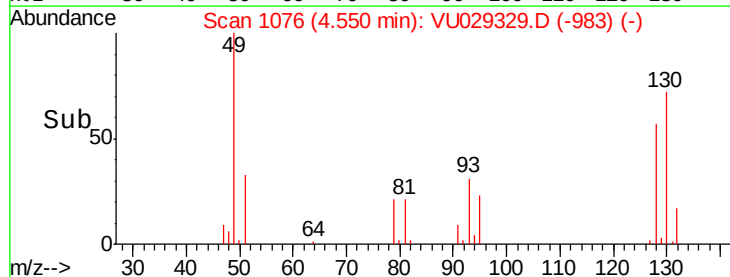
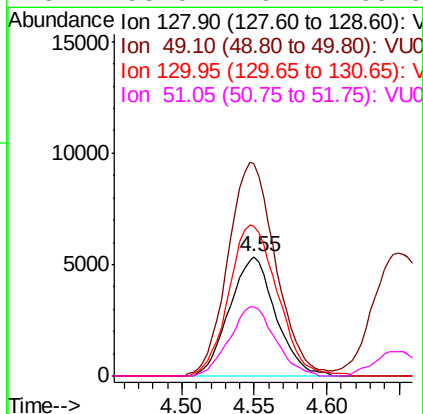
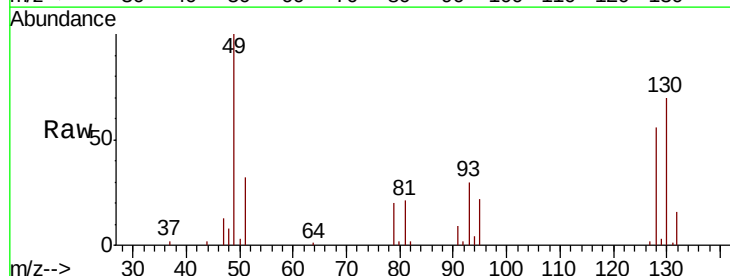
Tgt Ion: 96 Resp: 26497
 Ion Ratio Lower Upper
 96 100
 61 144.8 101.4 188.2
 68 0.0 0.0 0.0

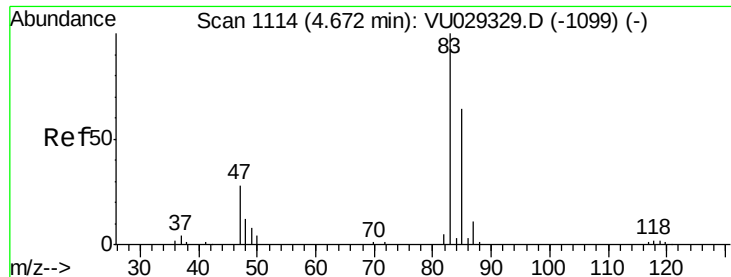


#23

Bromochloromethane
 Concen: 4.895 ug/L
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Tgt Ion: 128 Resp: 11830
 Ion Ratio Lower Upper
 128 100
 49 178.9 125.2 232.6
 130 125.4 87.8 163.0
 51 58.0 46.4 69.6

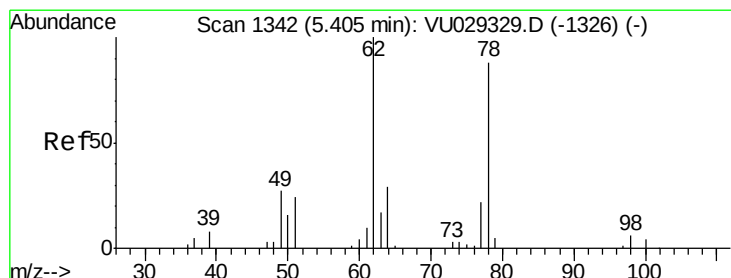
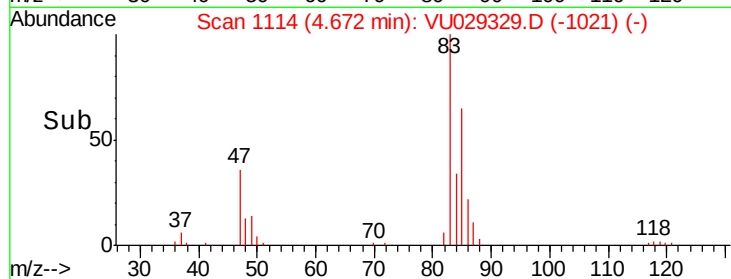
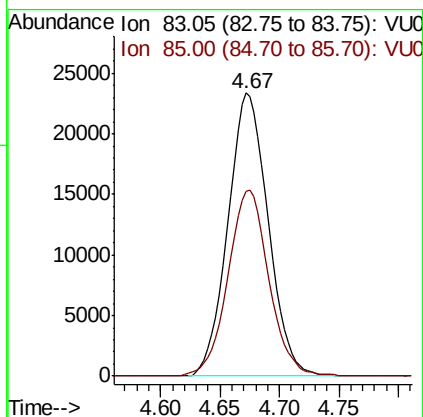
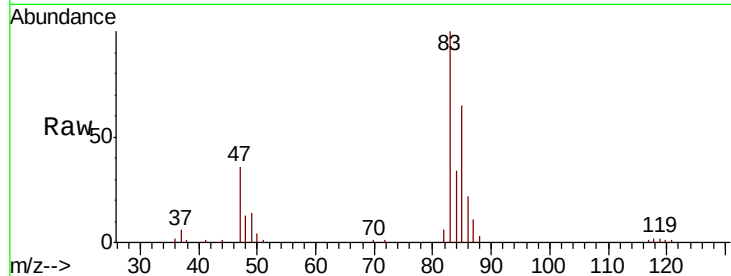




#25
Chloroform
Concen: 4.803 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

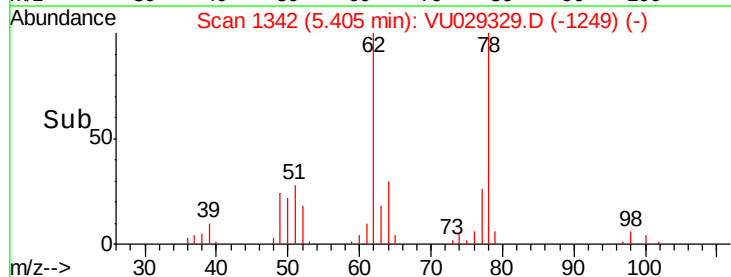
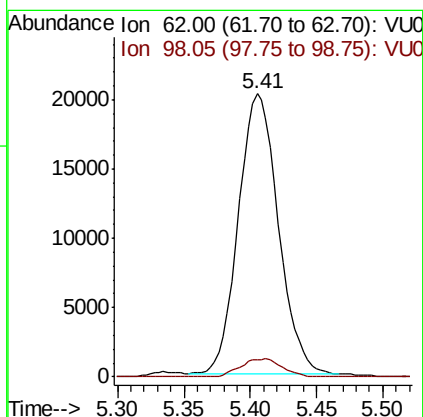
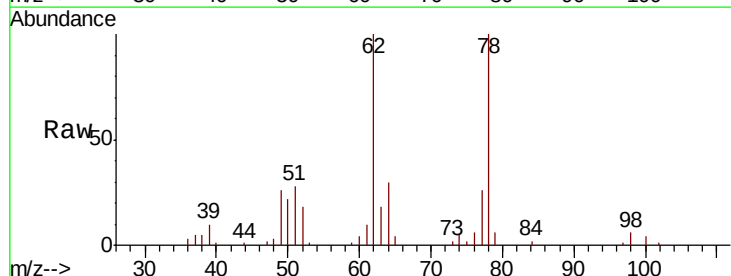
Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

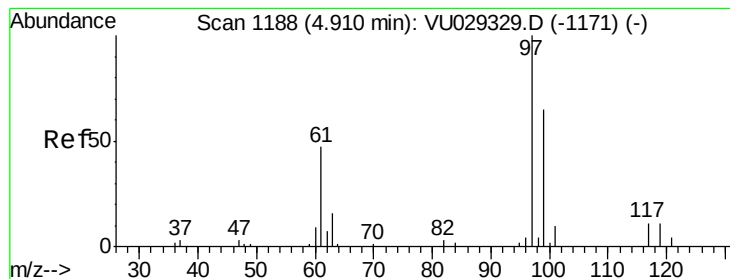
Tgt Ion: 83 Resp: 54665
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.882 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

Tgt Ion: 62 Resp: 42267
Ion Ratio Lower Upper
62 100
98 6.1 4.9 7.3





#29

1,1,1-Trichloroethane

Concen: 4.905 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

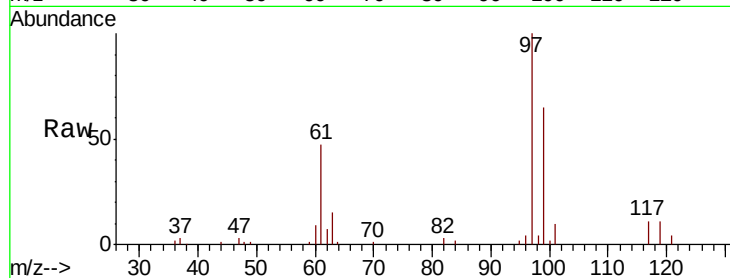
Tgt Ion: 97 Resp: 51351

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

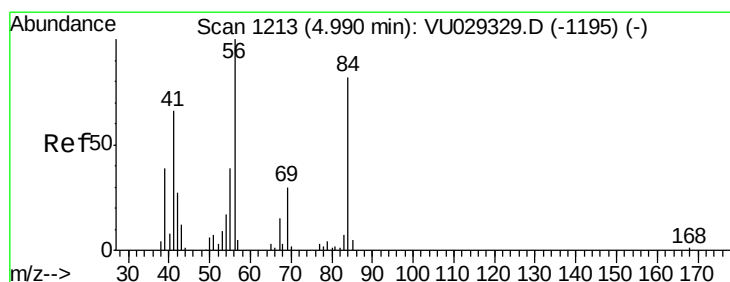
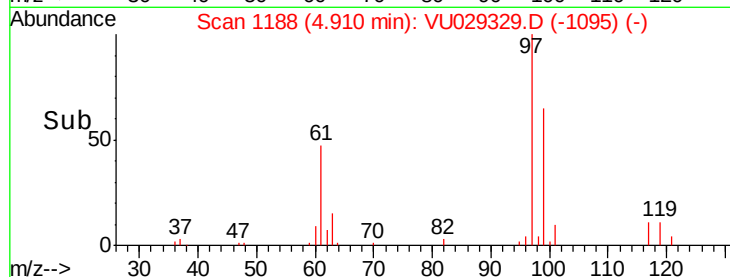
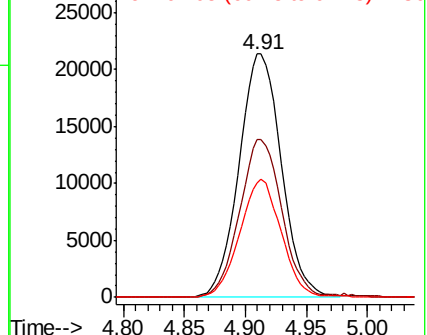
61 47.3 37.8 56.8



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: 4.882 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

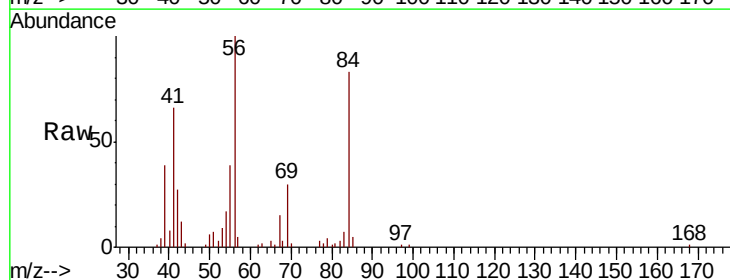
Tgt Ion: 56 Resp: 40213

Ion Ratio Lower Upper

56 100

69 30.1 24.1 36.1

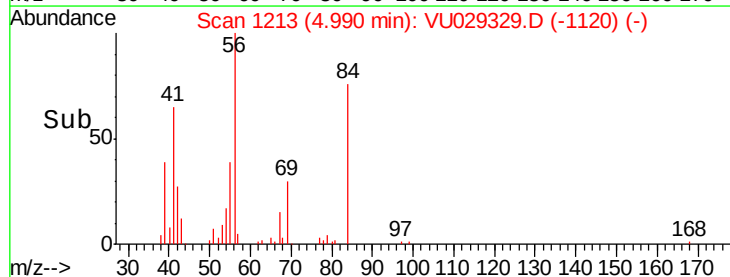
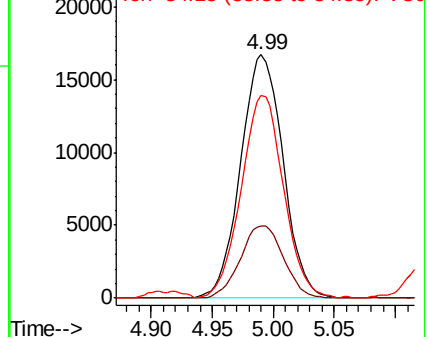
84 83.0 66.4 99.6

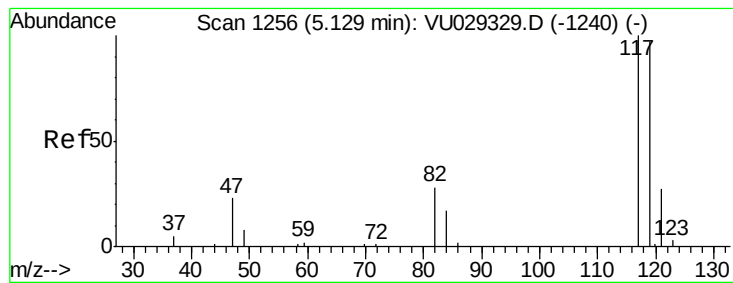


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.907 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

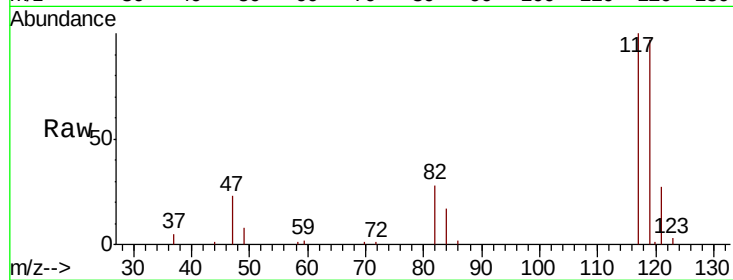
VSTD00545

Tgt Ion:117 Resp: 45083

Ion Ratio Lower Upper

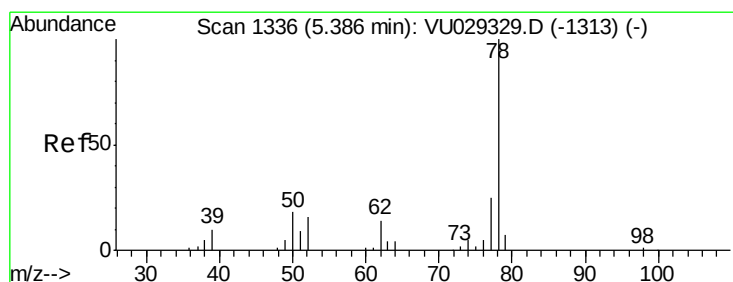
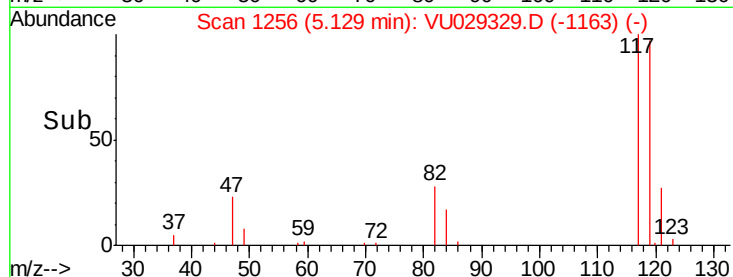
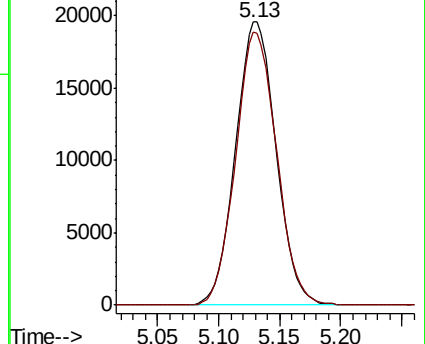
117 100

119 97.3 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.930 ug/L

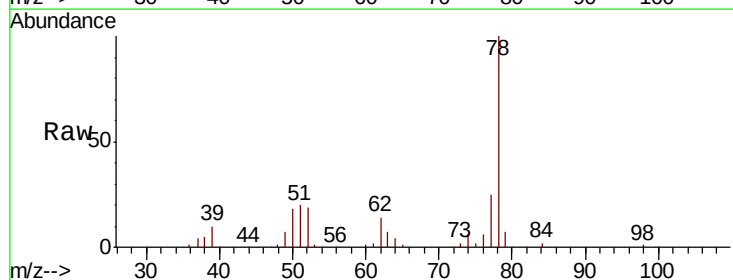
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

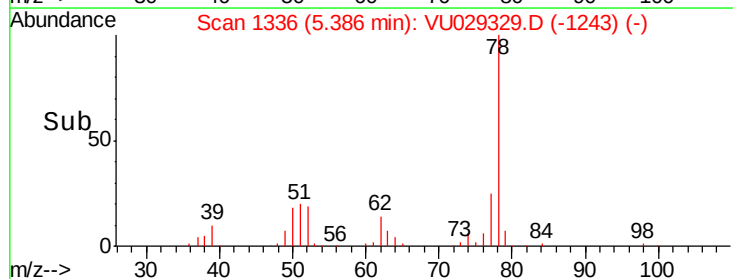
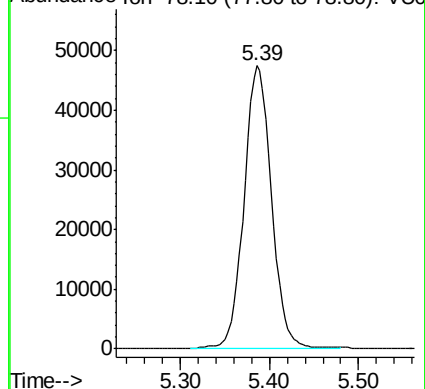
Lab File: VU029329.D

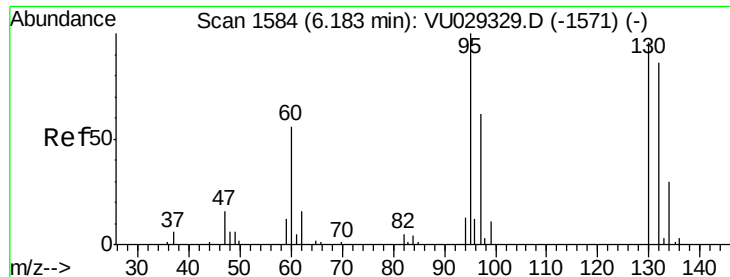
Acq: 01 Feb 2019 12:07

Tgt Ion: 78 Resp: 102126



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.950 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

Tgt Ion: 95 Resp: 27813

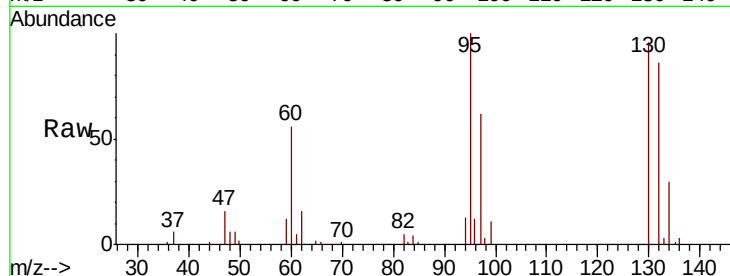
Ion Ratio Lower Upper

95 100

97 61.8 43.3 80.3

132 86.3 60.4 112.2

130 96.4 67.5 125.3

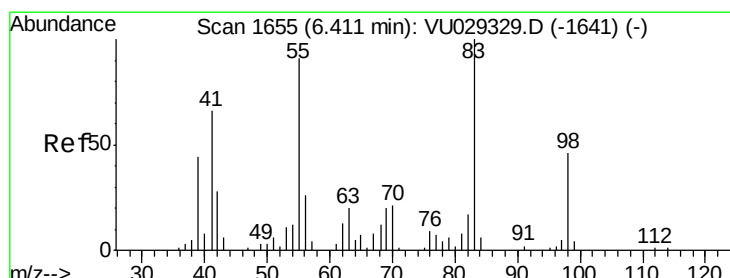
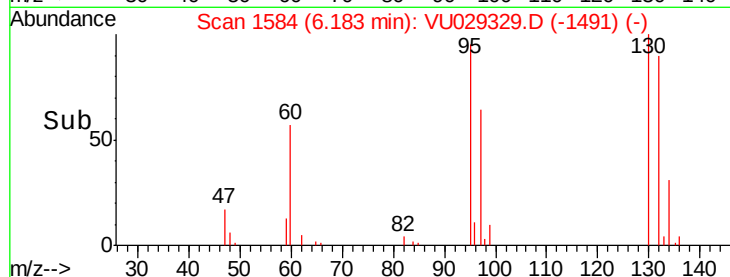
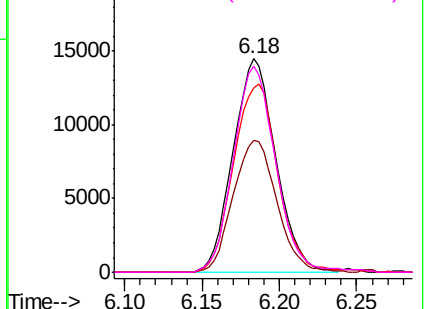


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.949 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

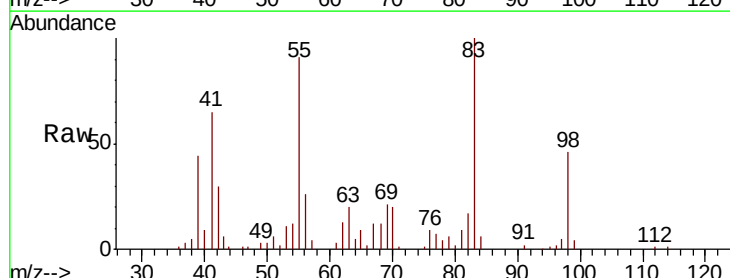
Tgt Ion: 83 Resp: 40834

Ion Ratio Lower Upper

83 100

55 90.3 72.2 108.4

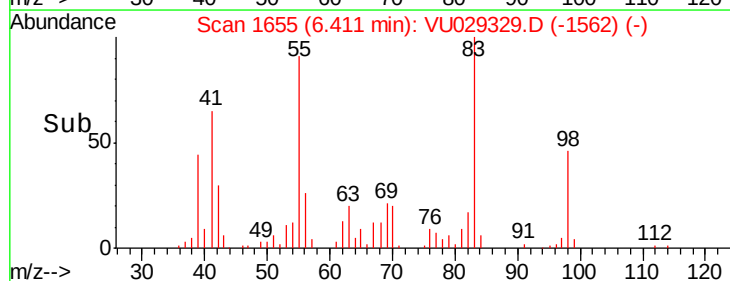
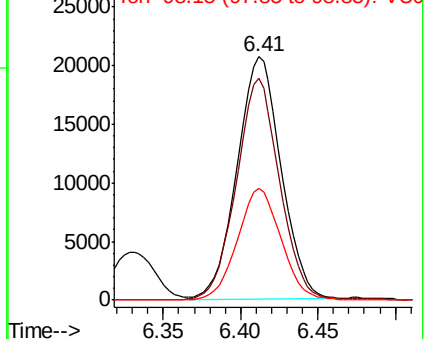
98 45.7 36.6 54.8

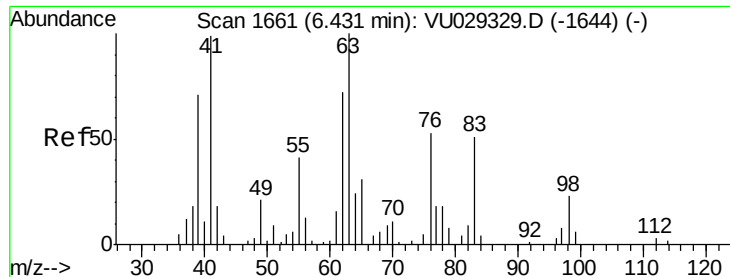


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

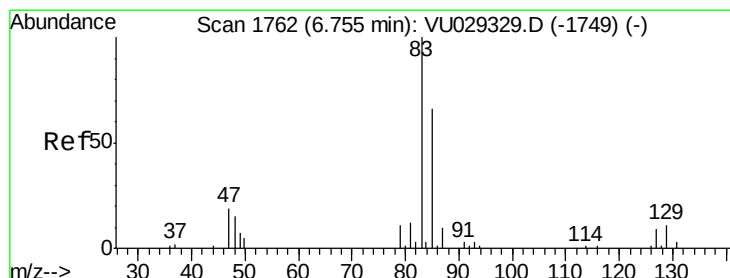
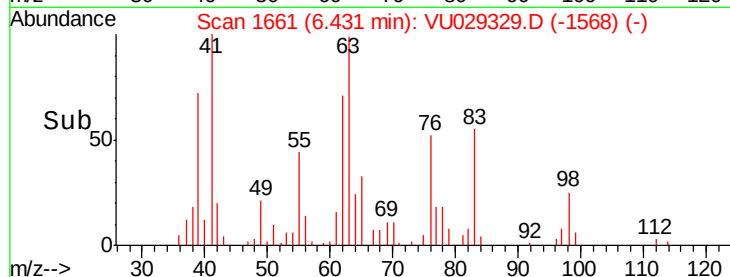
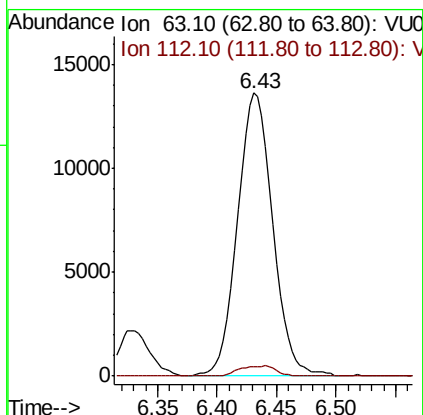
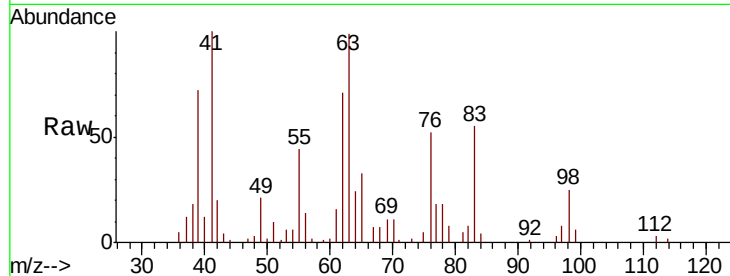




#37
 1,2-Dichloropropane
 Concen: 4.995 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

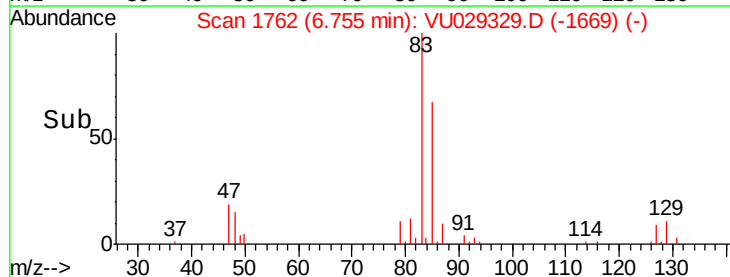
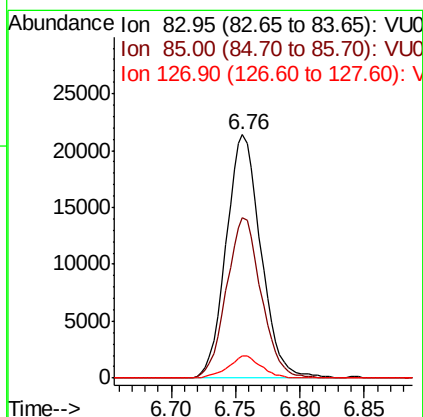
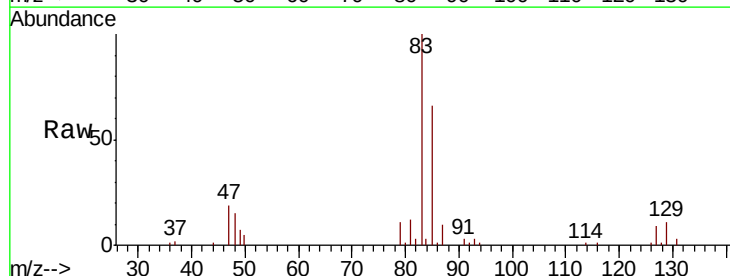
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

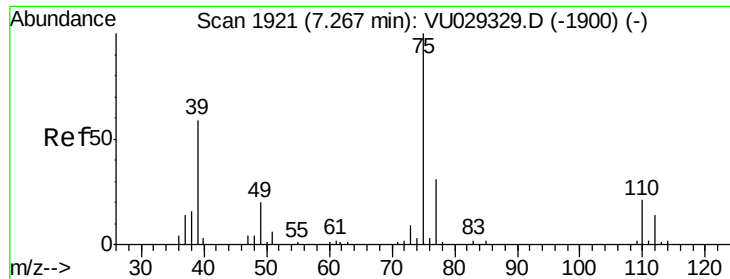
Tgt Ion: 63 Resp: 28004
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.931 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Tgt Ion: 83 Resp: 39959
 Ion Ratio Lower Upper
 83 100
 85 66.0 46.2 85.8
 127 9.1 7.3 10.9

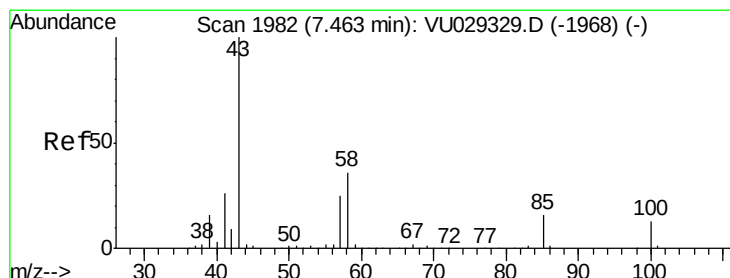
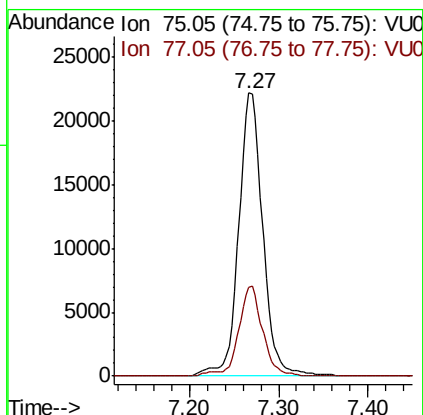
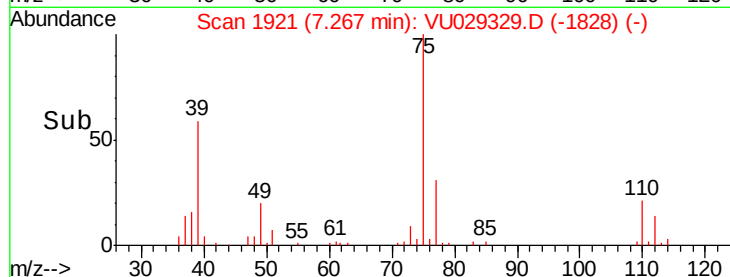
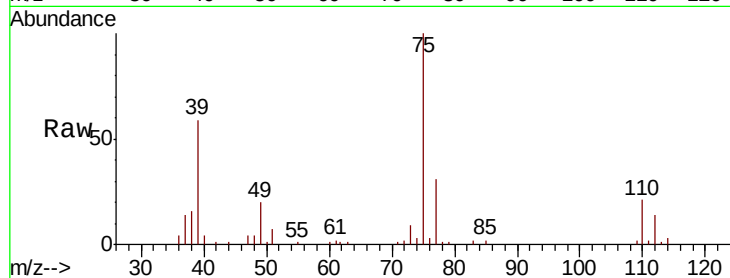




#39
 cis-1,3-Dichloropropene
 Concen: 5.111 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

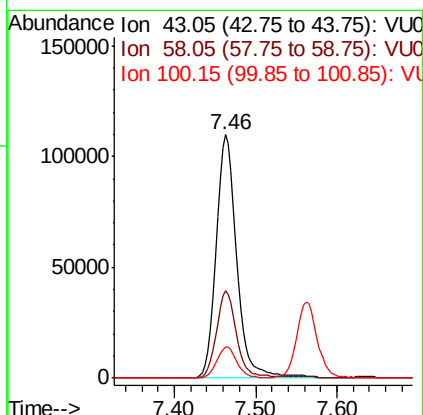
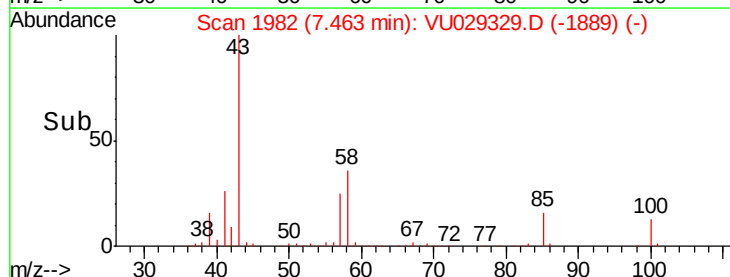
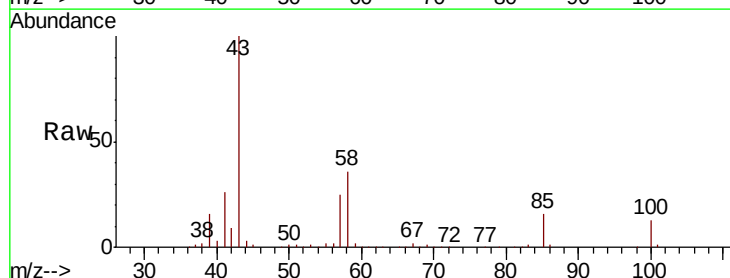
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

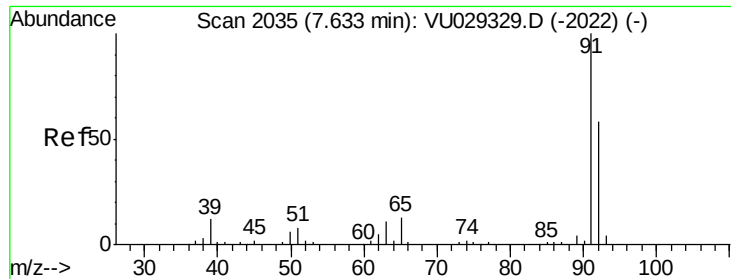
Tgt Ion: 75 Resp: 41731
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 50.862 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Tgt Ion: 43 Resp: 197134
 Ion Ratio Lower Upper
 43 100
 58 34.8 27.8 41.8
 100 12.6 10.1 15.1





#42

Toluene

Concen: 5.148 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

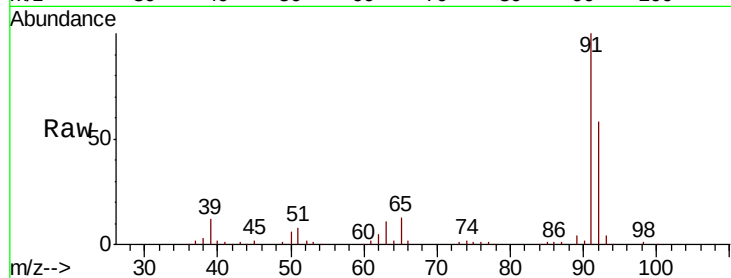
VSTD00545

Tgt Ion: 91 Resp: 112593

Ion Ratio Lower Upper

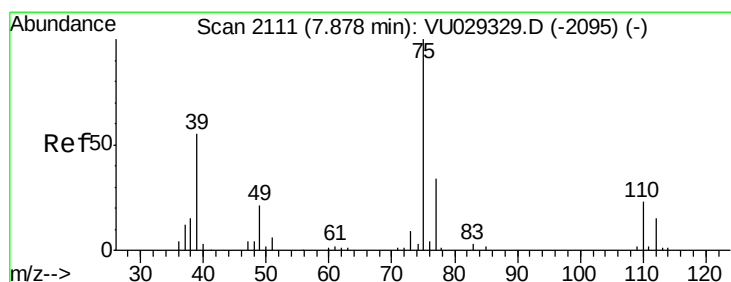
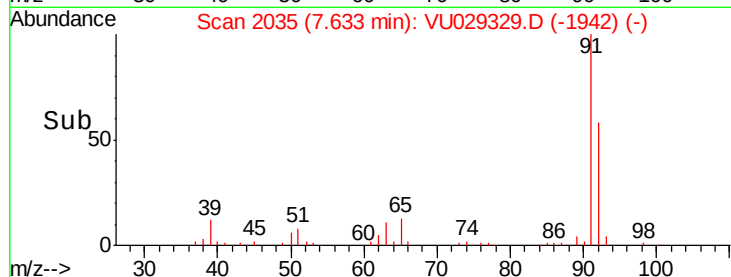
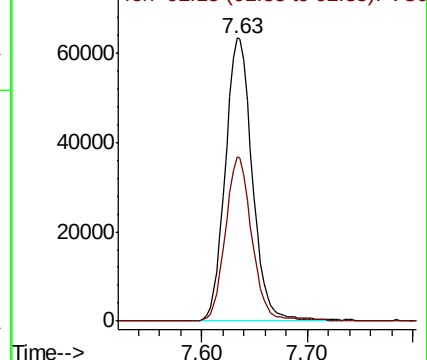
91 100

92 57.9 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.096 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029329.D

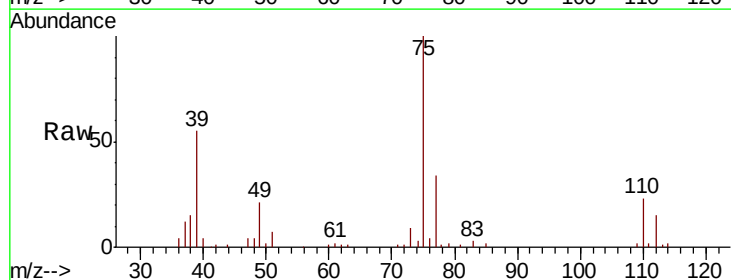
Acq: 01 Feb 2019 12:07

Tgt Ion: 75 Resp: 37660

Ion Ratio Lower Upper

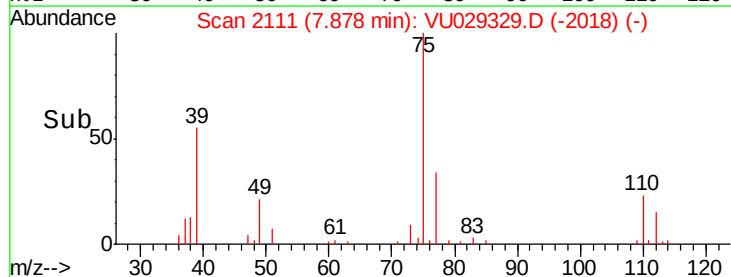
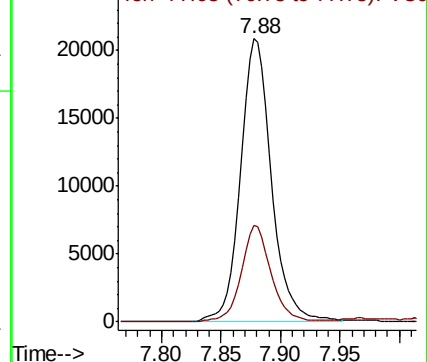
75 100

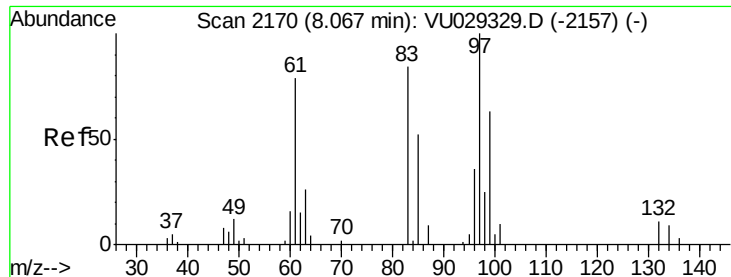
77 34.0 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

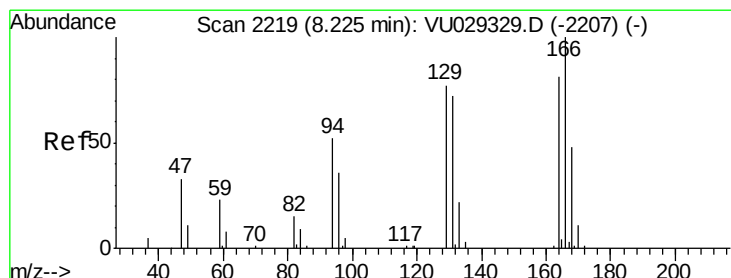
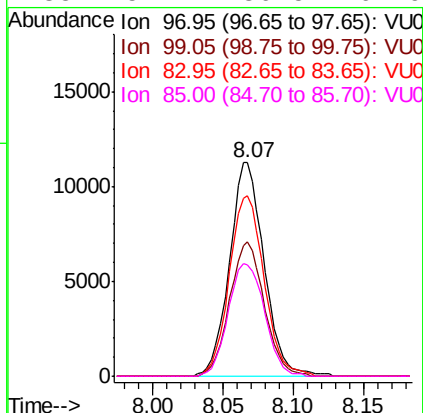
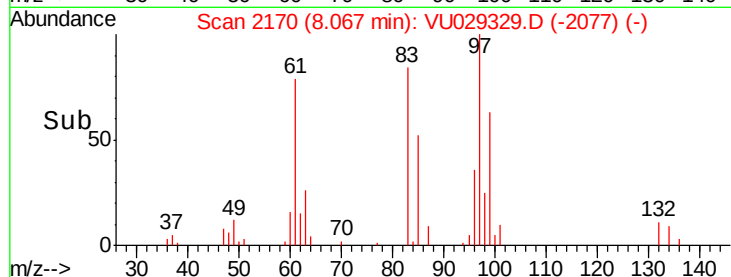
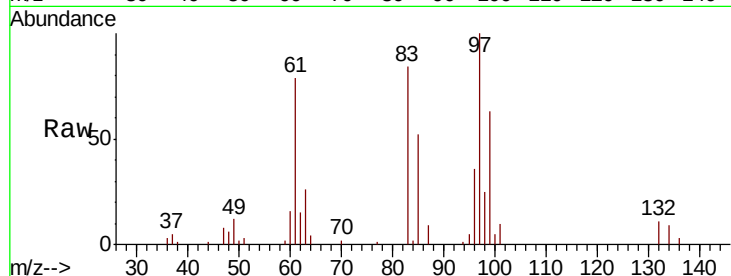




#45
 1,1,2-Trichloroethane
 Concen: 4.964 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

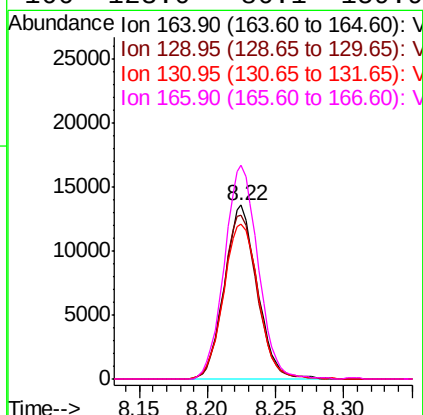
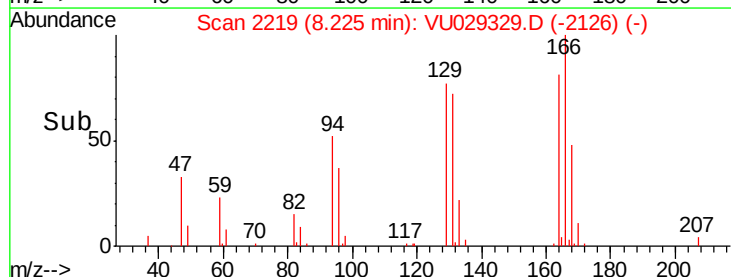
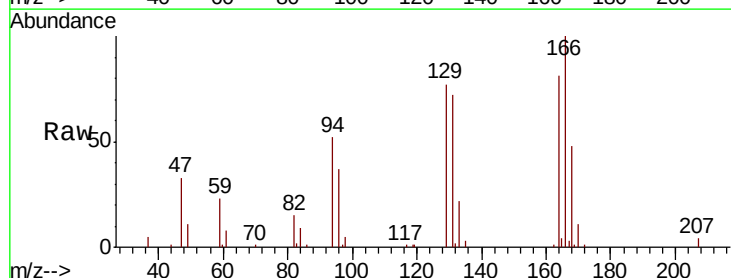
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

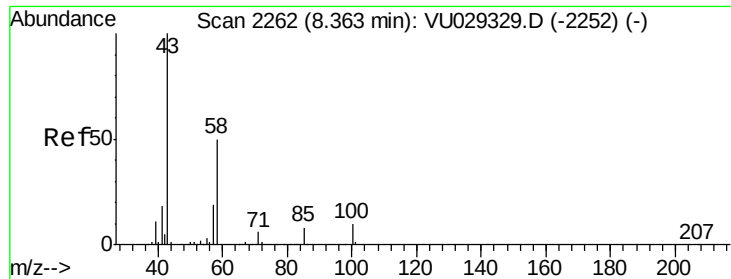
Tgt Ion:	97	Resp:	19307
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	84.4	59.1	109.7
85	52.2	36.5	67.9



#47
 Tetrachloroethene
 Concen: 4.890 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Tgt Ion:	164	Resp:	22739
Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.1	122.7
131	89.1	62.4	115.8
166	123.0	86.1	159.9

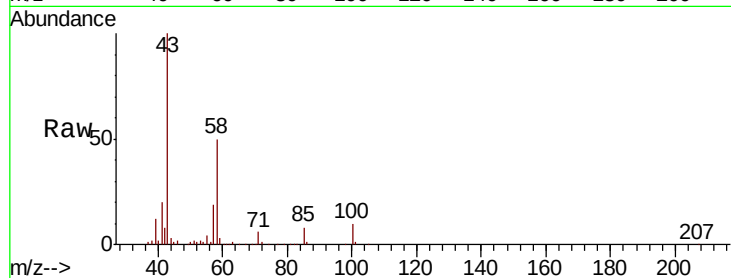




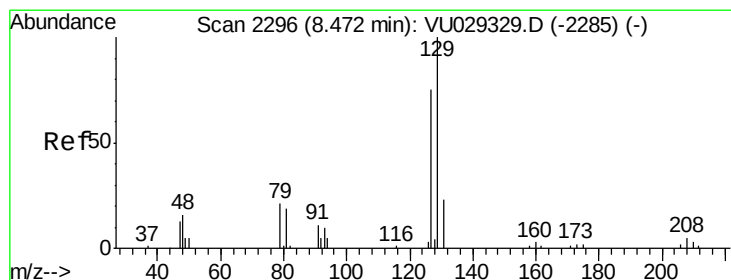
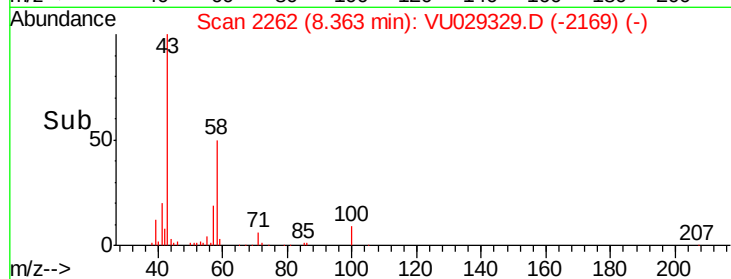
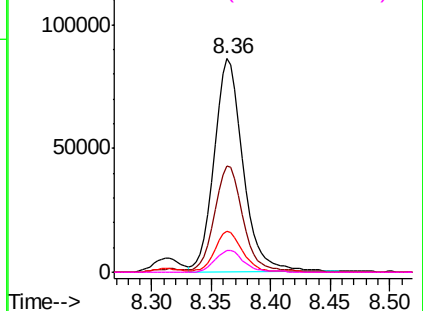
#48
2-Hexanone
Concen: 50.027 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

Tgt Ion:	43	Resp:	145275
Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.4	59.0
57	18.9	15.1	22.7
100	10.3	8.2	12.4

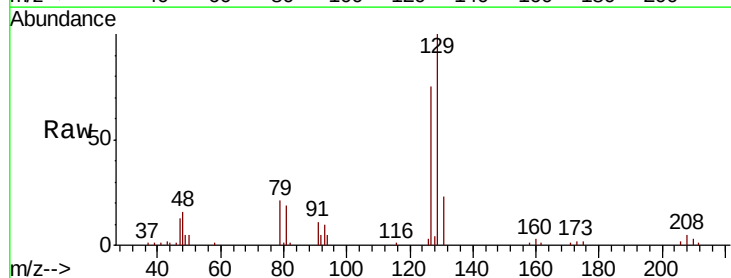


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

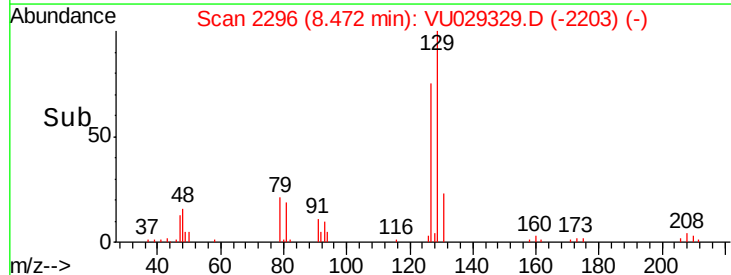
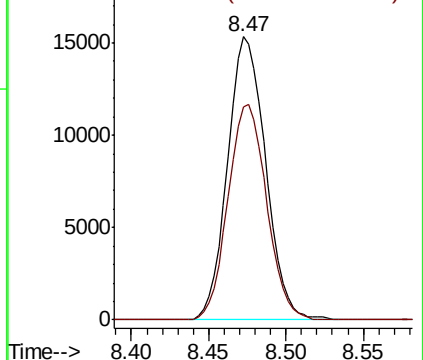


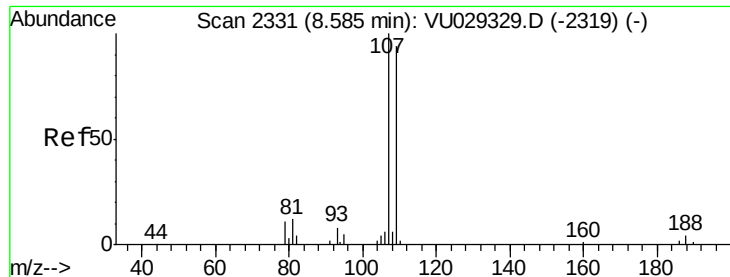
#49
Dibromochloromethane
Concen: 5.025 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

Tgt Ion:	129	Resp:	26177
Ion	Ratio	Lower	Upper
129	100		
127	75.4	52.8	98.0



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

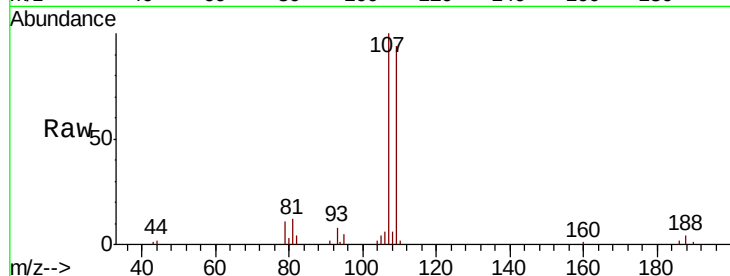




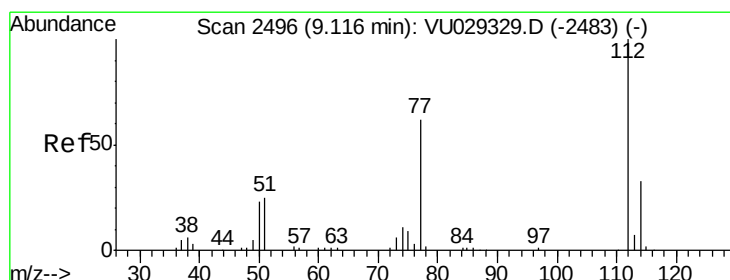
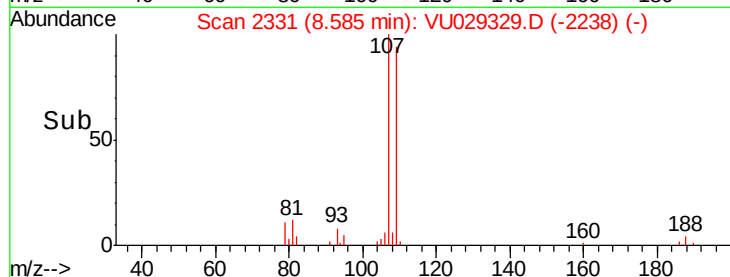
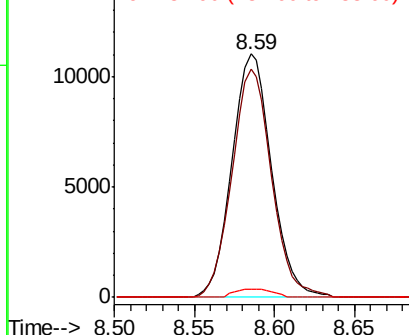
#50
1,2-Dibromoethane
Concen: 5.045 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

Tgt Ion:107 Resp: 18585
Ion Ratio Lower Upper
107 100
109 93.7 65.6 121.8
188 3.5 2.8 4.2

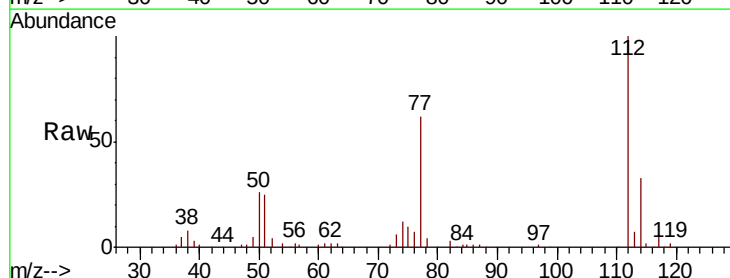


Abundance Ion 106.95 (106.65 to 107.65): V
15000 Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

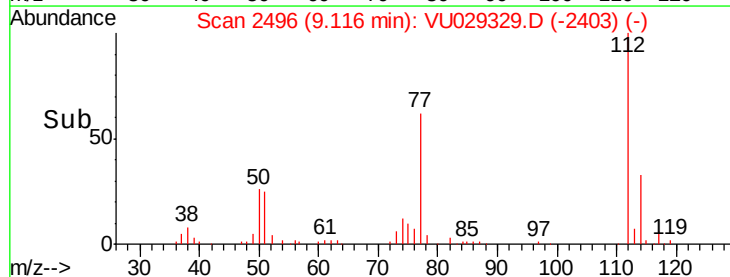
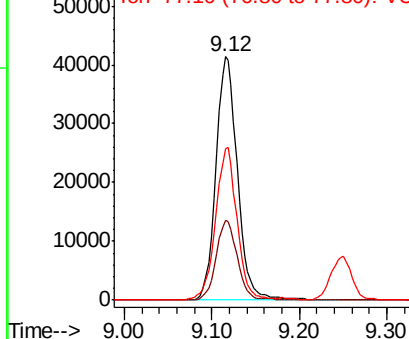


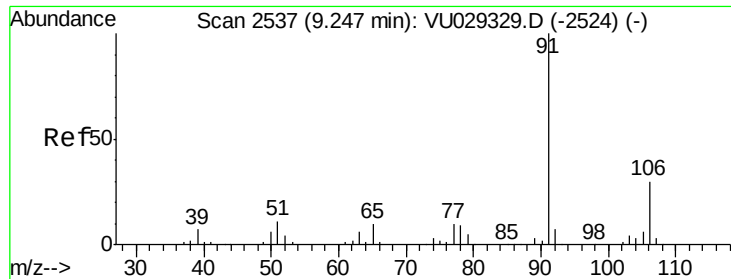
#51
Chlorobenzene
Concen: 4.969 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

Tgt Ion:112 Resp: 70542
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 62.4 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V
50000 Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.961 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

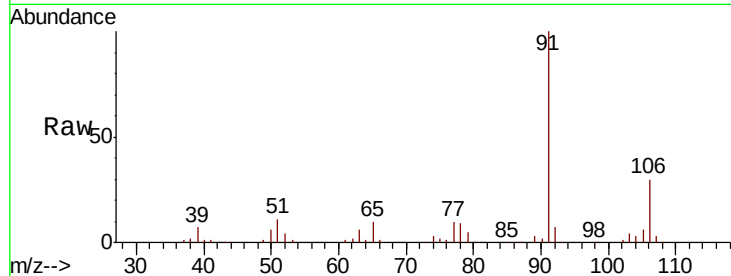
VSTD00545

Tgt Ion: 91 Resp: 120447

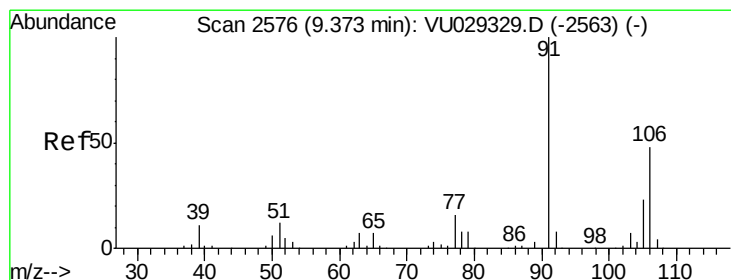
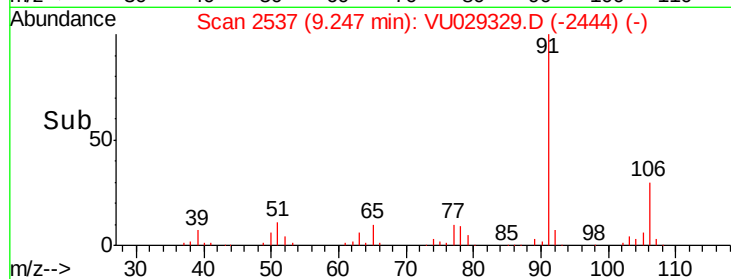
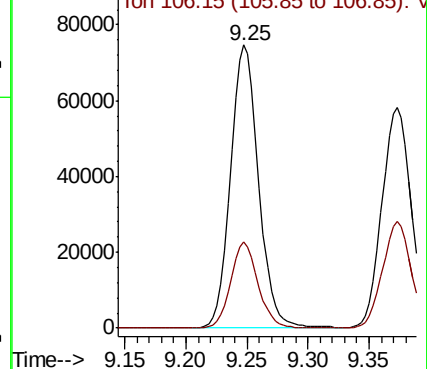
Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU029329.D (-2524) (-)



#53

m,p-xylene

Concen: 5.103 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029329.D

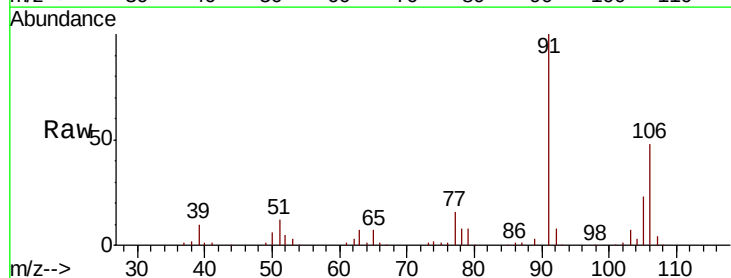
Acq: 01 Feb 2019 12:07

Tgt Ion: 106 Resp: 46630

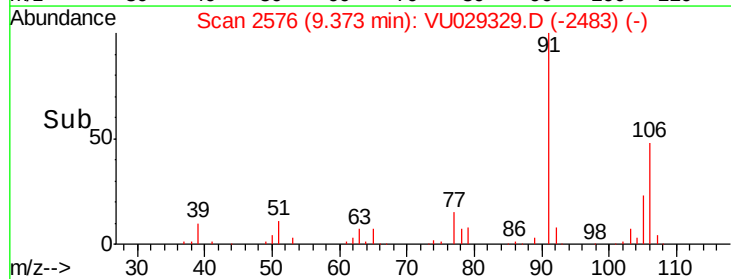
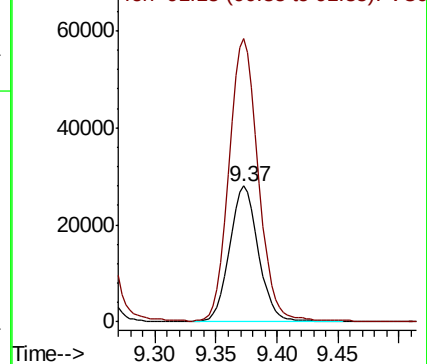
Ion Ratio Lower Upper

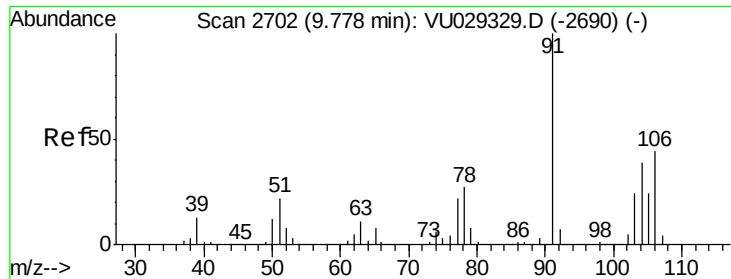
106 100

91 208.4 145.9 270.9



Abundance Ion 106.15 (105.85 to 106.85): VU029329.D (-2563) (-)

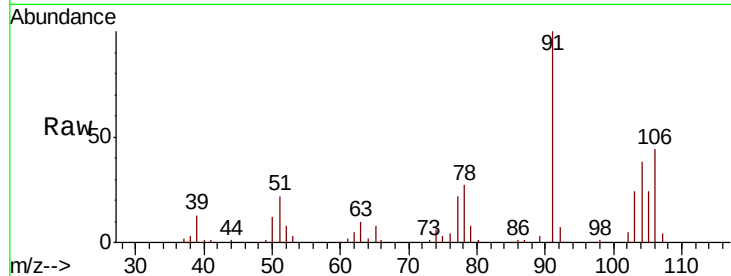




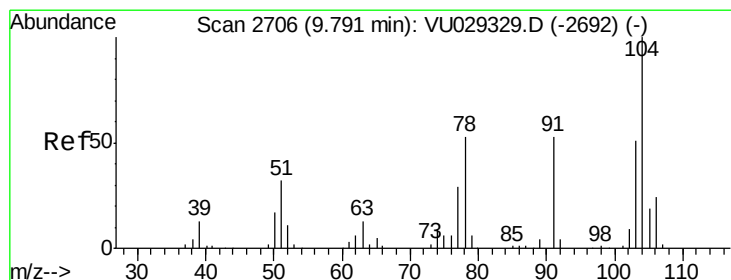
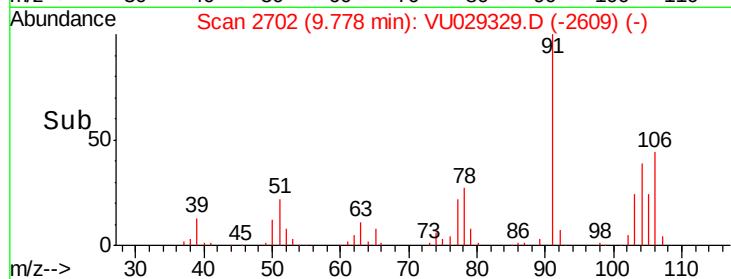
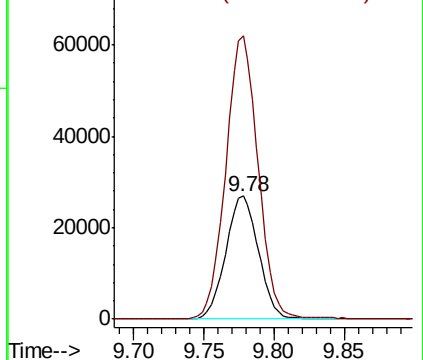
#54
o-xylene
Concen: 4.992 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

Tgt Ion:106 Resp: 43688
Ion Ratio Lower Upper
106 100
91 229.9 160.9 298.9

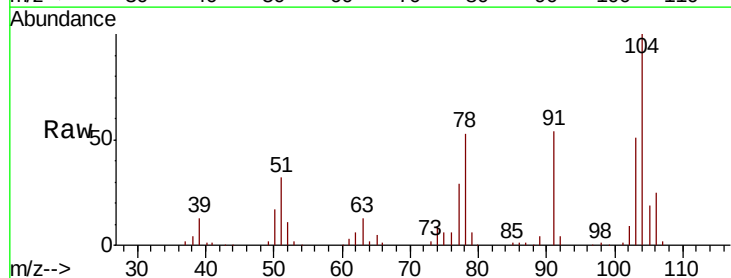


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

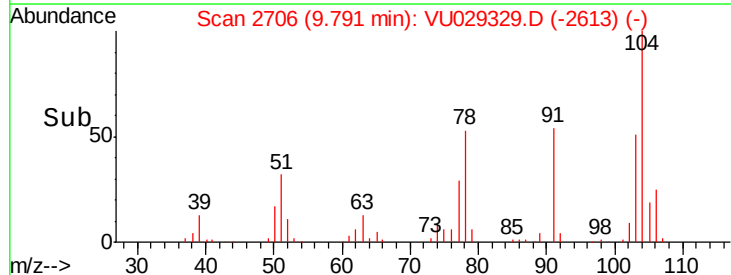
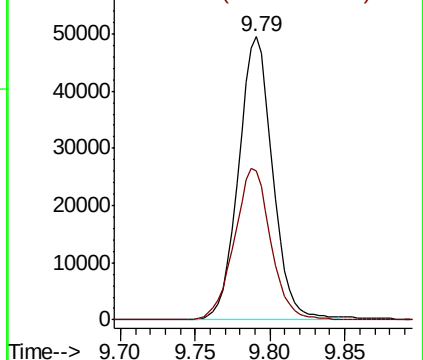


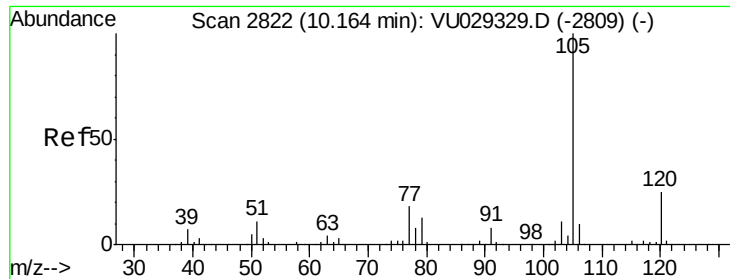
#55
Styrene
Concen: 5.224 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029329.D
Acq: 01 Feb 2019 12:07

Tgt Ion:104 Resp: 78568
Ion Ratio Lower Upper
104 100
78 52.5 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.077 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

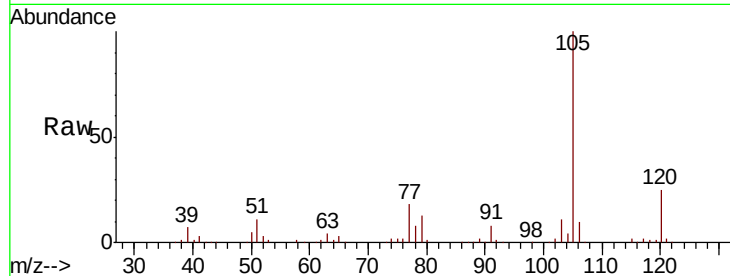
Tgt Ion: 105 Resp: 120894

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

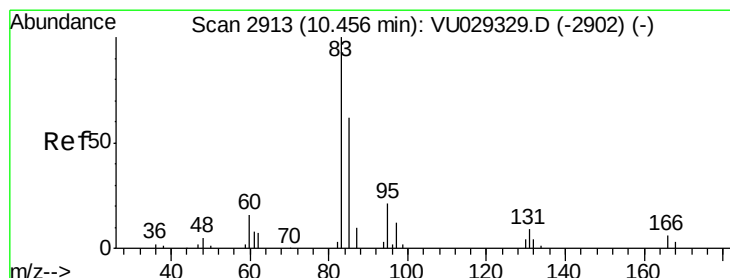
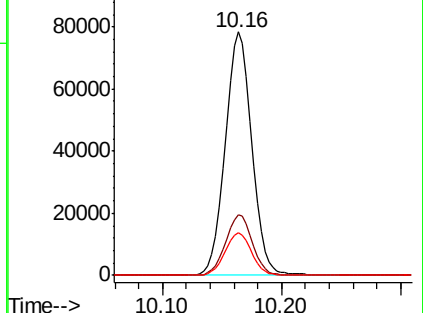
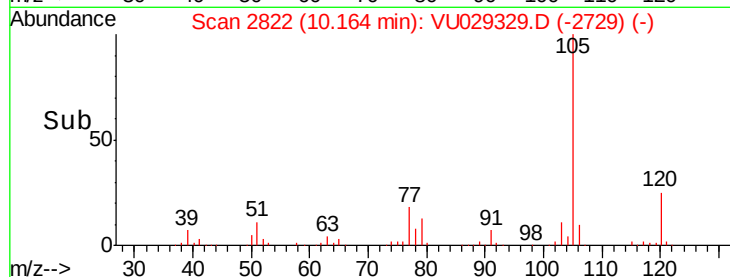
77 17.4 13.9 20.9



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: 4.914 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

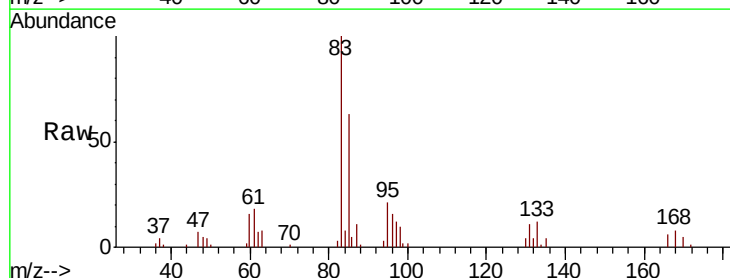
Tgt Ion: 83 Resp: 24675

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

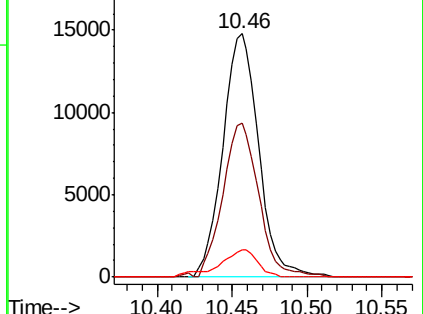
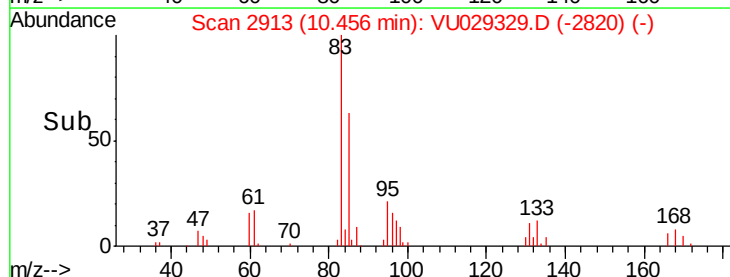
131 11.1 8.9 13.3

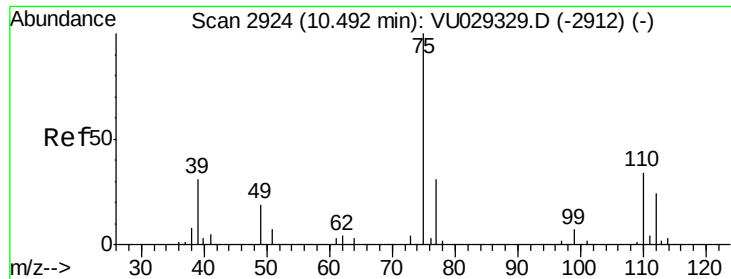


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

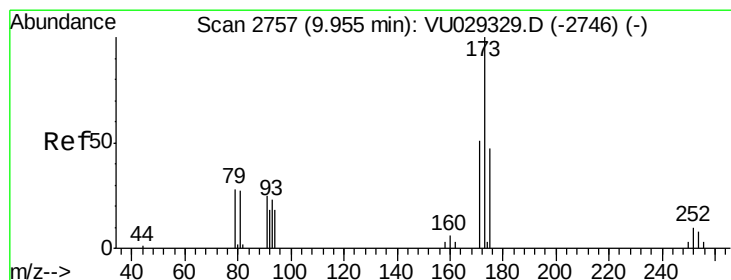
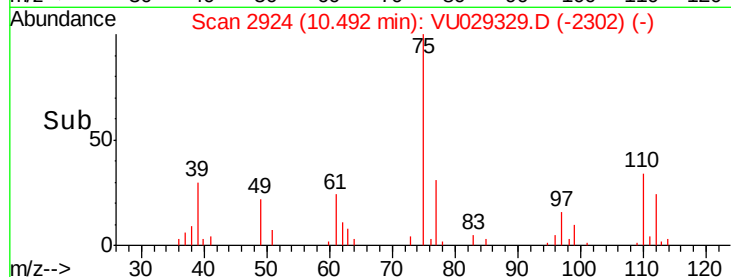
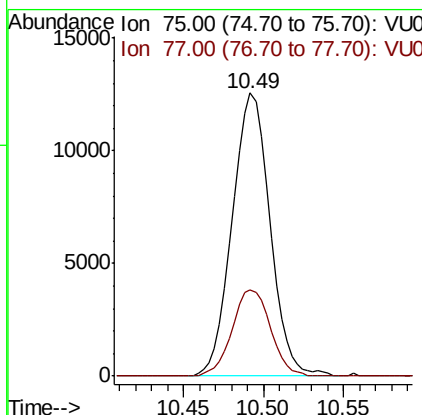
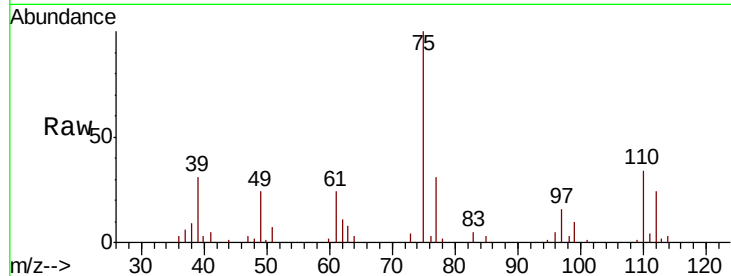




#59
 1,2,3-Trichloropropane
 Concen: 5.059 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

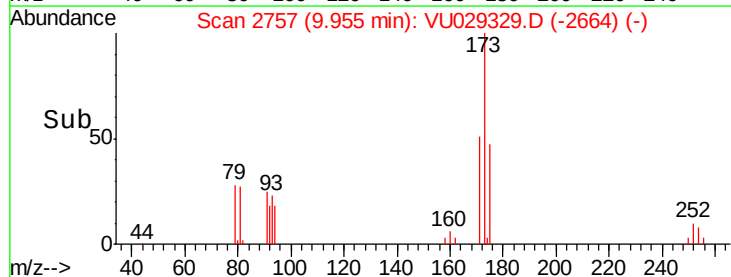
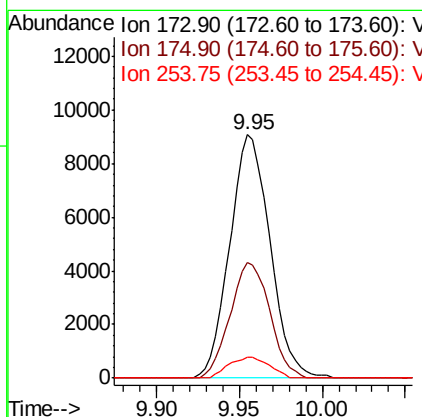
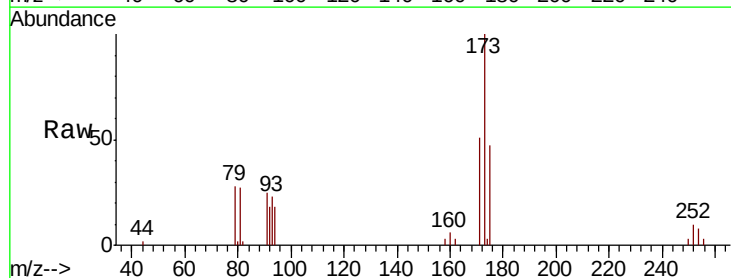
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

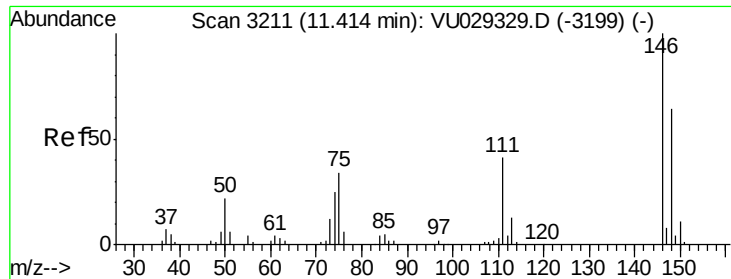
Tgt Ion: 75 Resp: 20210
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1



#61
 Bromoform
 Concen: 4.868 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Tgt Ion: 173 Resp: 15344
 Ion Ratio Lower Upper
 173 100
 175 46.6 37.3 55.9
 254 8.6 6.9 10.3

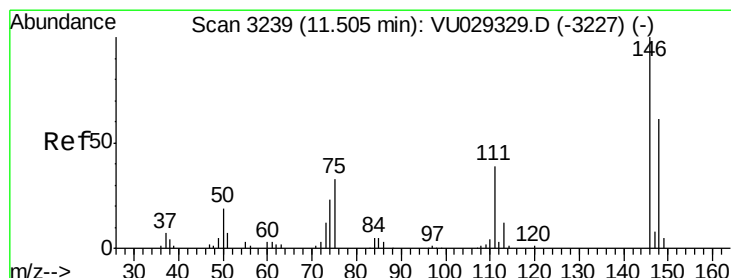
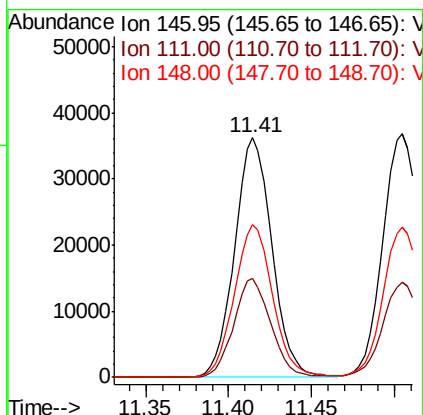
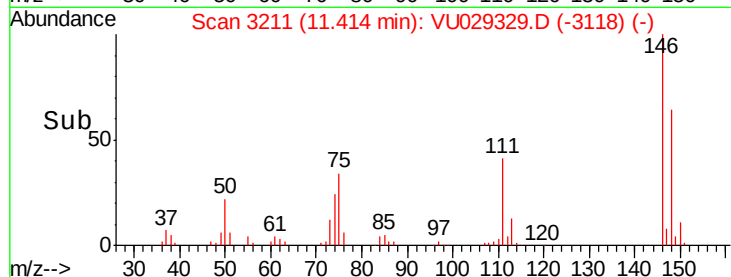
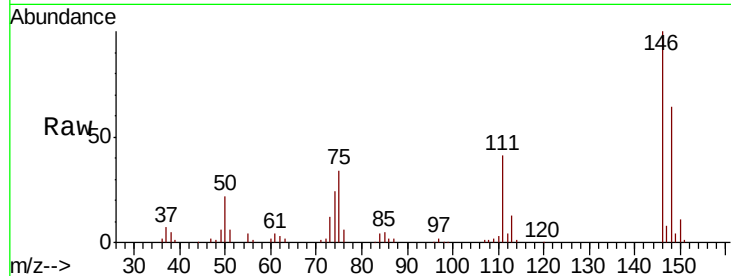




#62
 1,3-Dichlorobenzene
 Concen: 4.834 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

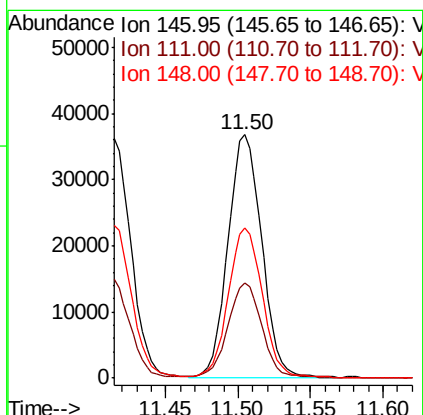
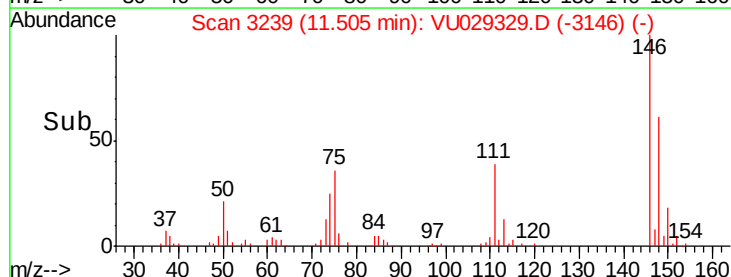
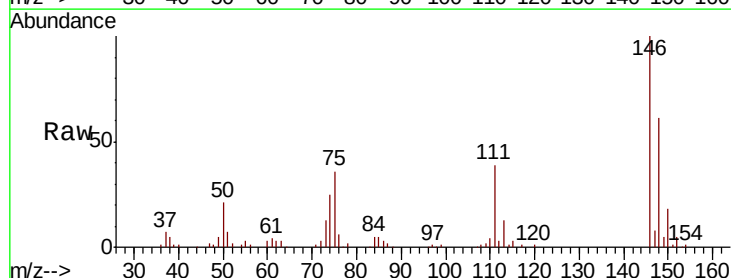
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

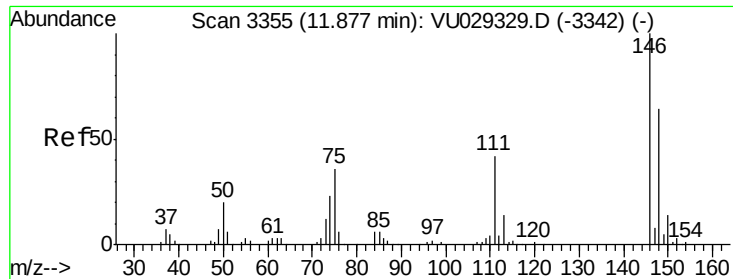
Tgt Ion:146 Resp: 56743
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.8 53.6
 148 63.9 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 4.850 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Tgt Ion:146 Resp: 59412
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.2 50.6
 148 61.4 43.0 79.8

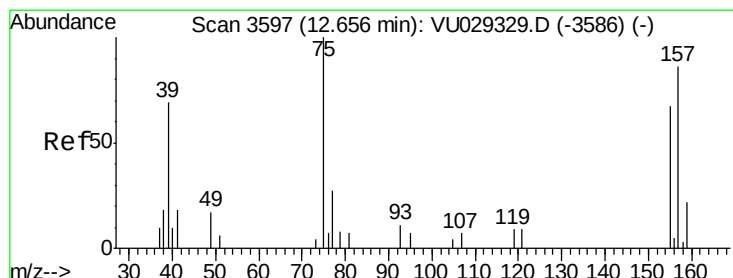
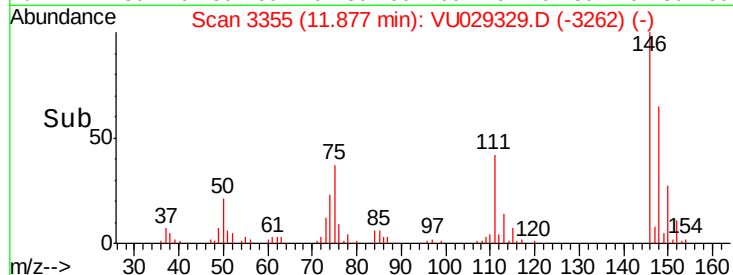
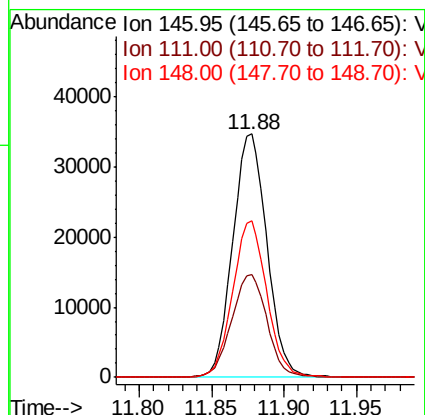
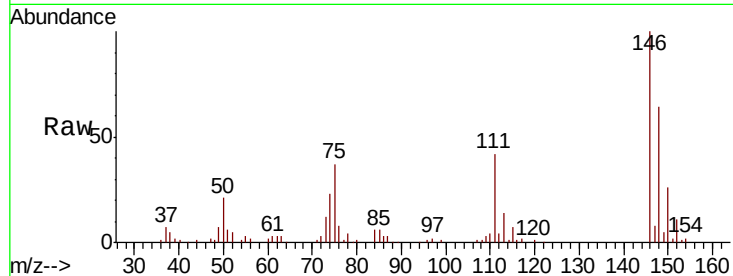




#65
 1,2-Dichlorobenzene
 Concen: 4.957 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

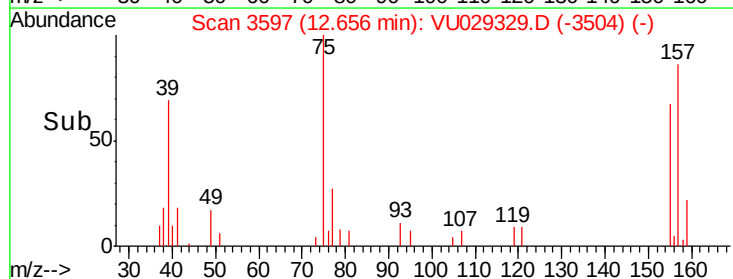
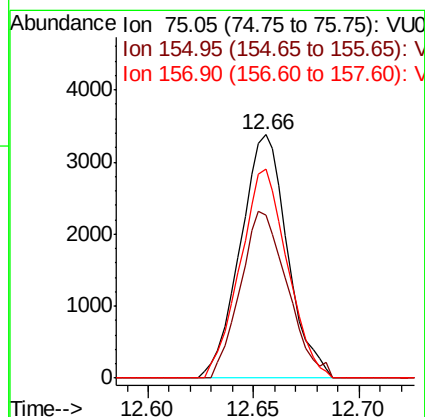
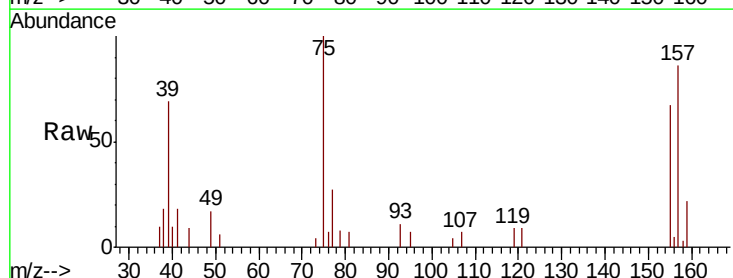
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

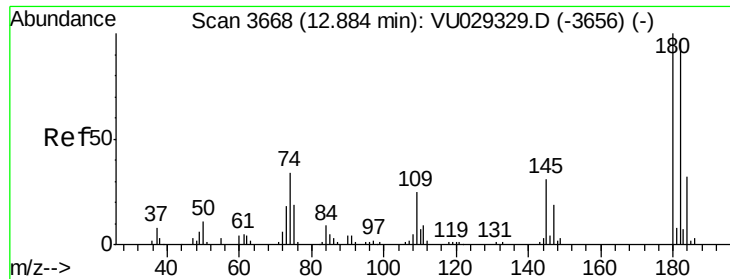
Tgt Ion: 146 Resp: 56871
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.6 50.4
 148 64.2 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.251 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Tgt Ion: 75 Resp: 5246
 Ion Ratio Lower Upper
 75 100
 155 67.1 53.7 80.5
 157 86.0 68.8 103.2

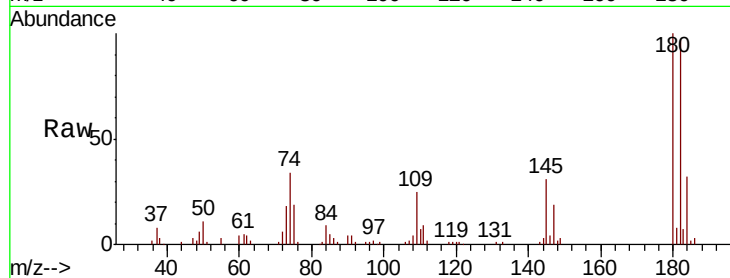




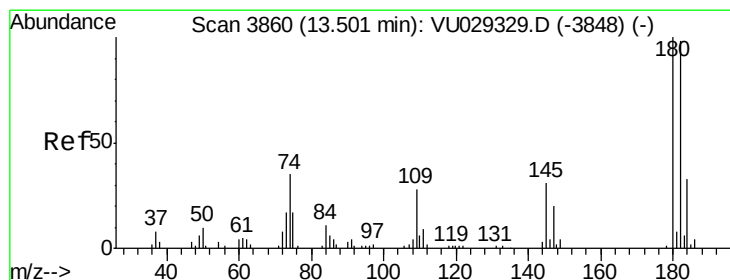
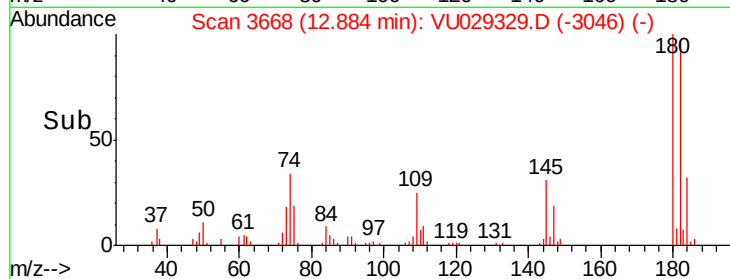
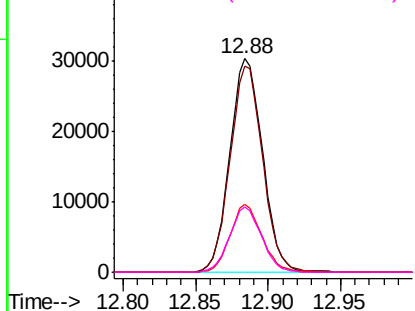
#67
 1,3,5-Trichlorobenzene
 Concen: 4.822 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

Tgt Ion:180 Resp: 47610
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 184 30.7 24.6 36.8
 145 29.6 23.7 35.5

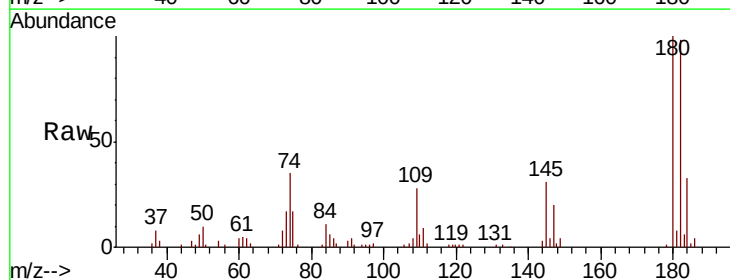


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

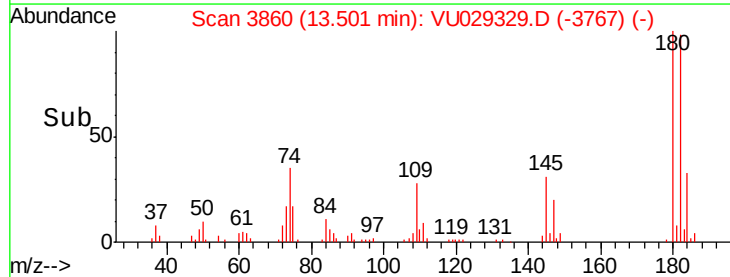
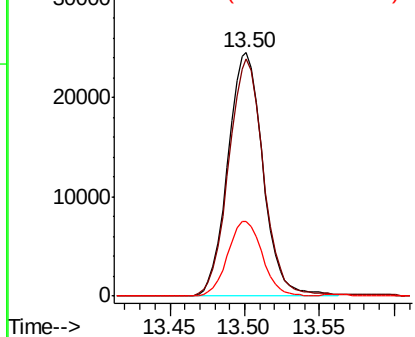


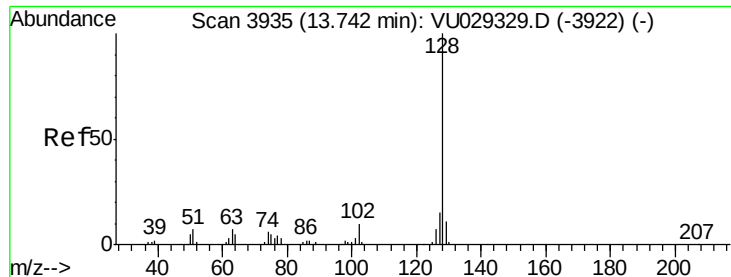
#68
 1,2,4-trichlorobenzene
 Concen: 4.764 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029329.D
 Acq: 01 Feb 2019 12:07

Tgt Ion:180 Resp: 40180
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.6 116.4
 145 30.2 24.2 36.2



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: 4.755 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

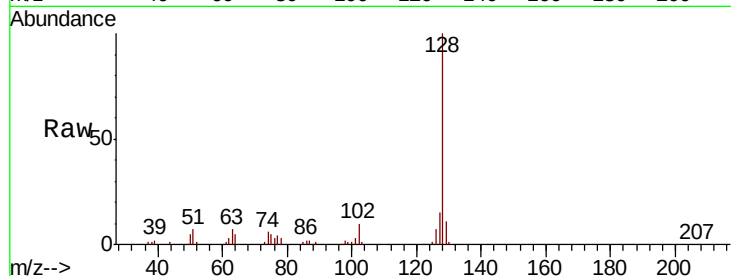
Tgt Ion:128 Resp: 64700

Ion Ratio Lower Upper

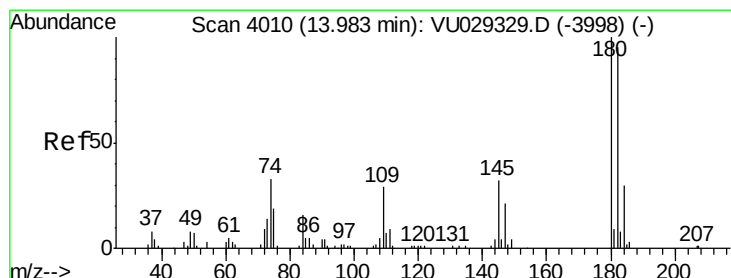
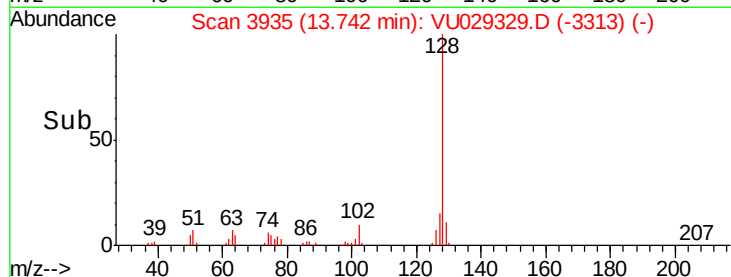
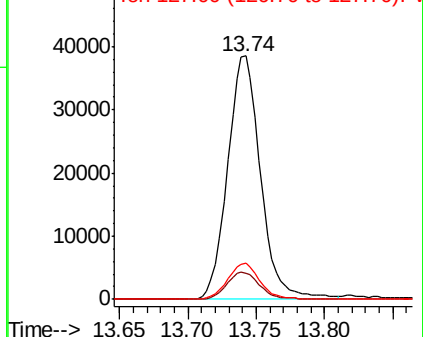
128 100

129 11.1 8.9 13.3

127 14.4 11.5 17.3



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: 4.765 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029329.D

Acq: 01 Feb 2019 12:07

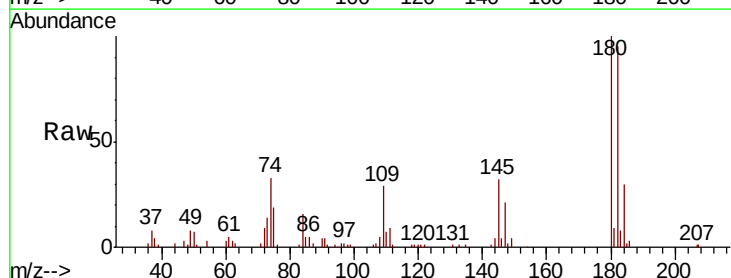
Tgt Ion:180 Resp: 39365

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 31.4 25.1 37.7



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

