

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031299.D
 Acq On : 18 Apr 2019 11:22
 Operator : JC/SP
 Sample : VSTD00505
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Quant Time: Apr 19 04:03:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 03:57:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	211527	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	203121	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93951	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	119836	5.03	ug/L	0.00
7) Chloroethane-d5	1.68	69	97108	5.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	231749	4.95	ug/L	0.00
20) 2-Butanone-d5	4.21	46	235574	51.60	ug/L	0.00
24) Chloroform-d	4.64	84	151624	5.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	82839	5.14	ug/L	0.00
32) Benzene-d6	5.33	84	288402	5.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	92960	5.23	ug/L	0.00
41) Toluene-d8	7.56	98	267409	5.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	37712	5.29	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	177158	53.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	75523	5.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	92676	5.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	124482	5.116 ug/L	100
3) Chloromethane	1.32	50	157194	4.774 ug/L	100
5) Vinyl chloride	1.40	62	165189	4.925 ug/L	100
6) Bromomethane	1.63	94	91593	4.927 ug/L	100
8) Chloroethane	1.70	64	91445	4.780 ug/L	100
9) Trichlorofluoromethane	1.88	101	197885	4.690 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	109104	4.786 ug/L	100
12) 1,1-Dichloroethene	2.28	96	108163	4.764 ug/L	100
13) Acetone	2.36	43	242758	47.862 ug/L	100
14) Carbon disulfide	2.47	76	365877	4.827 ug/L	100
15) Methyl Acetate	2.62	43	61157	4.411 ug/L	100
16) Methylene chloride	2.69	84	121310	4.400 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	285944	4.701 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	111159	4.641 ug/L	100
19) 1,1-Dichloroethane	3.44	63	190482	5.699 ug/L	100
21) 2-Butanone	4.30	43	255717	48.804 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	87262	4.712 ug/L	100
23) Bromochloromethane	4.54	128	40250	4.877 ug/L	100
25) Chloroform	4.67	83	157499	4.783 ug/L	100
27) 1,2-Dichloroethane	5.40	62	100735	4.745 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	136815	4.988 ug/L	100
30) Cyclohexane	4.99	56	132910	4.757 ug/L	100
31) Carbon tetrachloride	5.13	117	116170	4.743 ug/L	100
33) Benzene	5.38	78	340633	4.941 ug/L	100
34) Trichloroethene	6.18	95	85296	4.577 ug/L	100
35) Methylcyclohexane	6.41	83	121074	4.718 ug/L	100
37) 1,2-Dichloropropane	6.43	63	87099	4.792 ug/L	100
38) Bromodichloromethane	6.76	83	112623	4.966 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	121872	5.070 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	580427	49.733 ug/L	100

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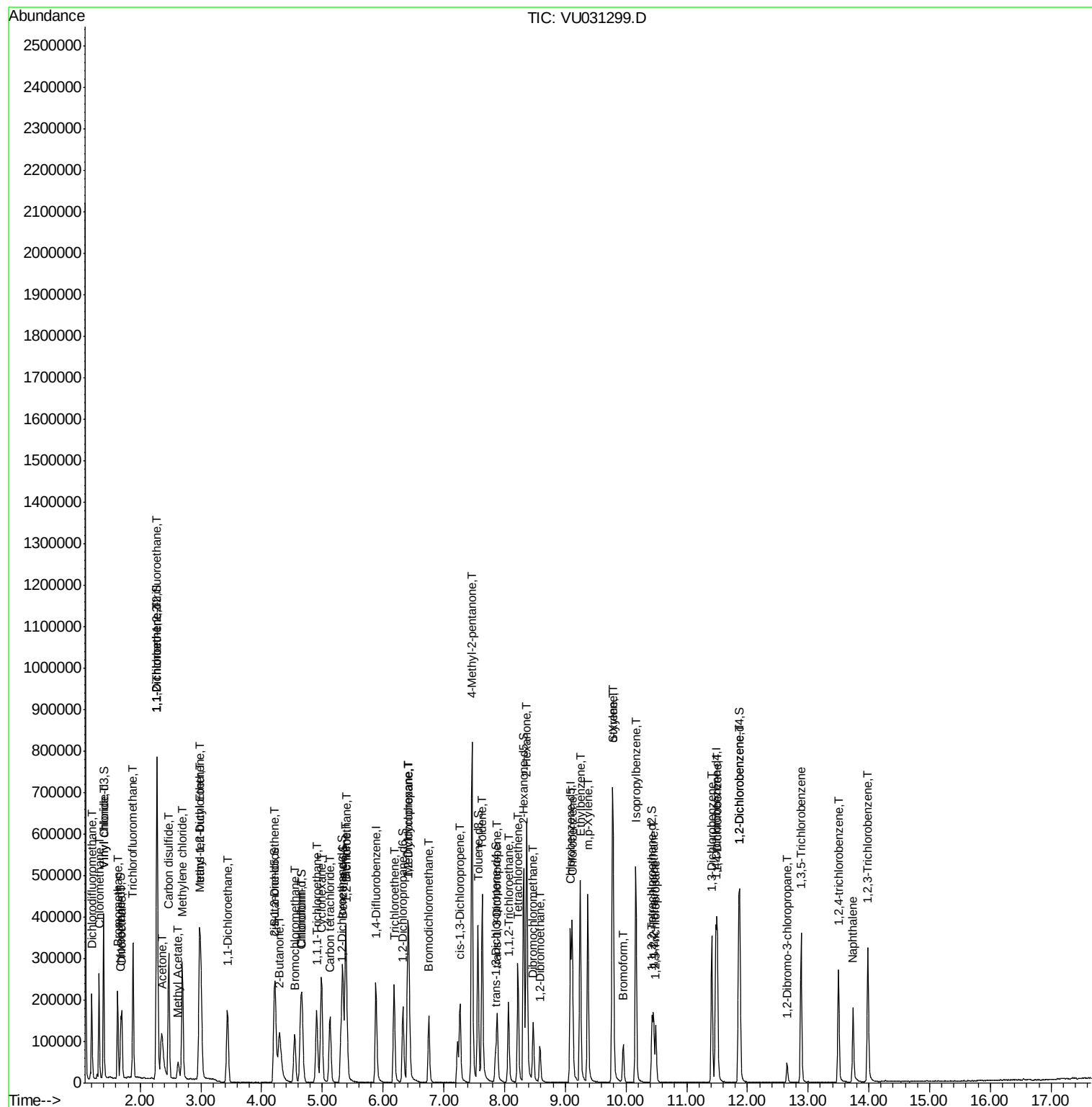
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	349373	5.026	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	99636	4.967	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	61105	4.719	ug/L	100
47) Tetrachloroethene	8.22	164	66628	4.798	ug/L	100
48) 2-Hexanone	8.36	43	426607	51.504	ug/L	100
49) Dibromochloromethane	8.47	129	74587	4.814	ug/L	100
50) 1,2-Dibromoethane	8.58	107	60355	4.921	ug/L	100
51) Chlorobenzene	9.12	112	215885	4.960	ug/L	100
52) Ethylbenzene	9.25	91	355611	4.952	ug/L	100
53) m,p-Xylene	9.37	106	128955	4.999	ug/L	100
54) o-Xylene	9.77	106	128676	5.062	ug/L	100
55) Styrene	9.79	104	218151	5.166	ug/L	100
56) Isopropylbenzene	10.16	105	337060	5.050	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	79523	4.804	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	56910	4.798	ug/L	100
61) Bromoform	9.96	173	42932	4.753	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	152257	4.928	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	153609	4.934	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	157246	5.000	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	13331	5.208	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	119865	4.723	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	93998	5.136	ug/L	100
69) Naphthalene	13.74	128	157486	4.929	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	109836	5.794	ug/L	100

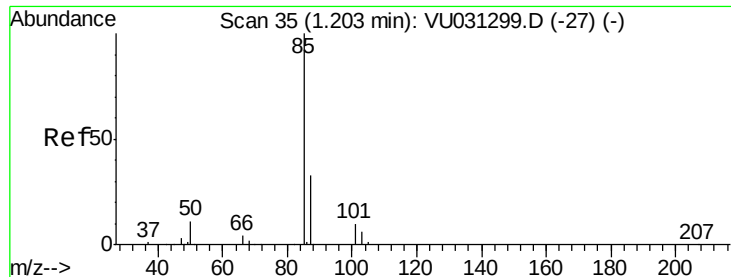
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.116 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

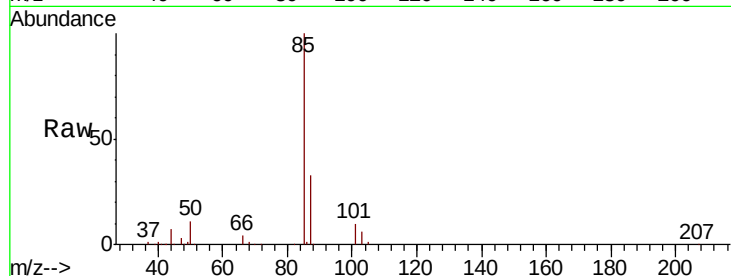
VSTD00505

Tgt Ion: 85 Resp: 124482

Ion Ratio Lower Upper

85 100

87 33.5 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031299.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031299.D (-27) (-)

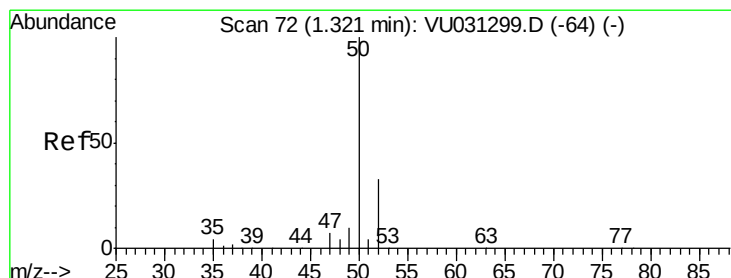
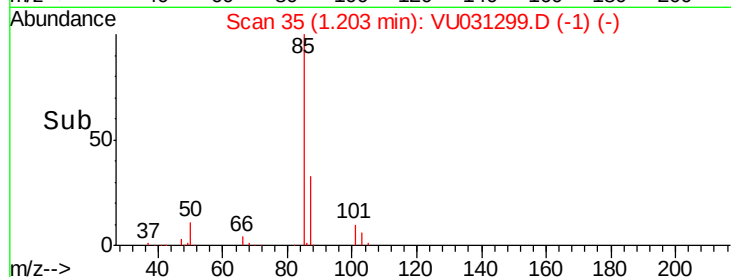
1.20

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.774 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031299.D

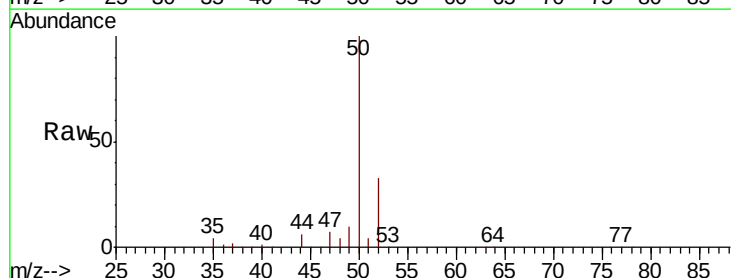
Acq: 18 Apr 2019 11:22

Tgt Ion: 50 Resp: 157194

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU031299.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU031299.D (-64) (-)

1.32

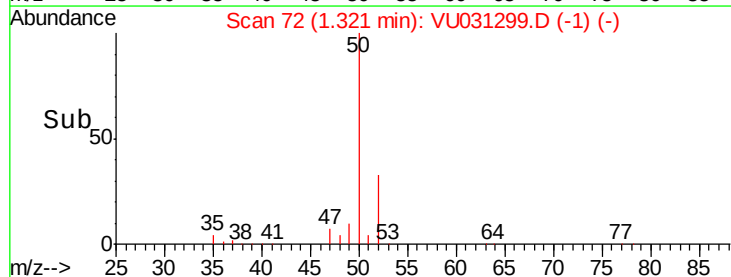
150000

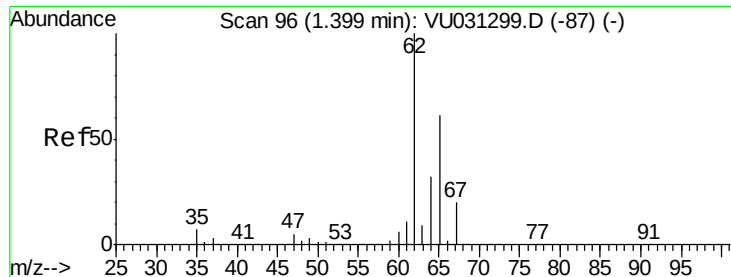
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.925 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

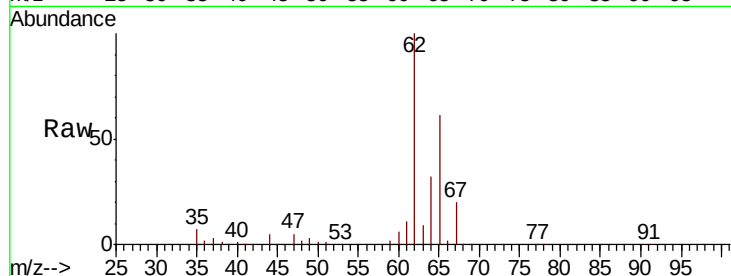
VSTD00505

Tgt Ion: 62 Resp: 165189

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU031299.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031299.D (-87) (-)

1.40

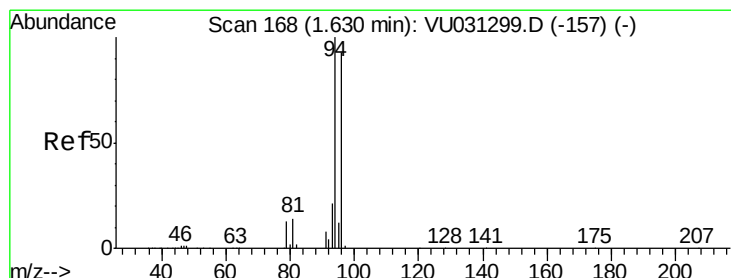
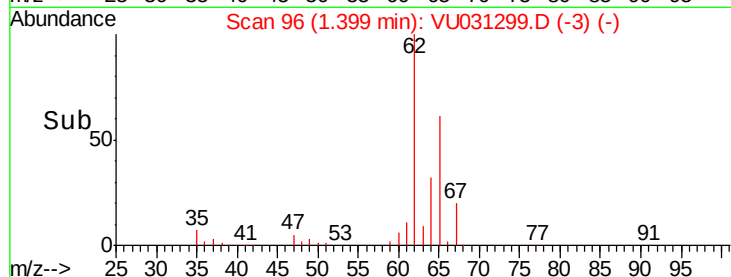
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.927 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031299.D

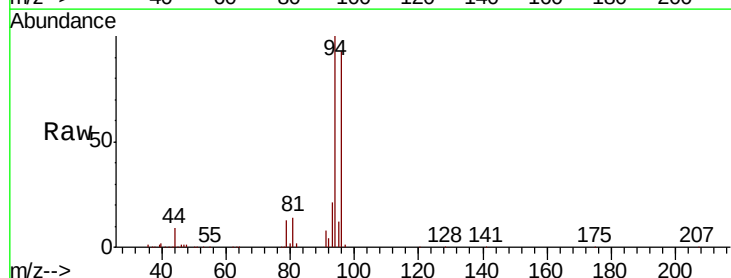
Acq: 18 Apr 2019 11:22

Tgt Ion: 94 Resp: 91593

Ion Ratio Lower Upper

94 100

96 93.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU031299.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU031299.D (-157) (-)

1.63

80000

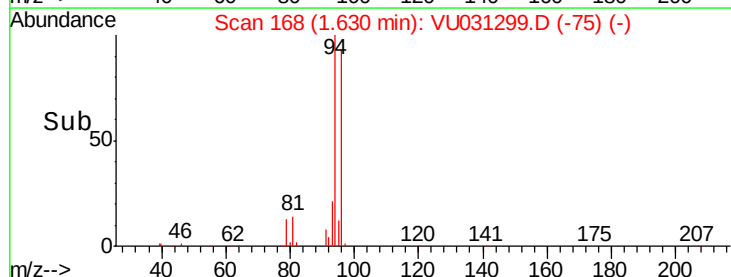
60000

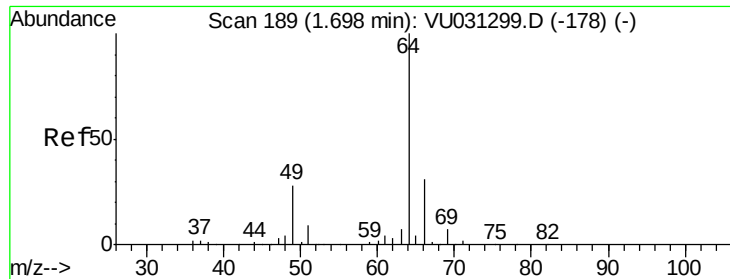
40000

20000

0

Time-->

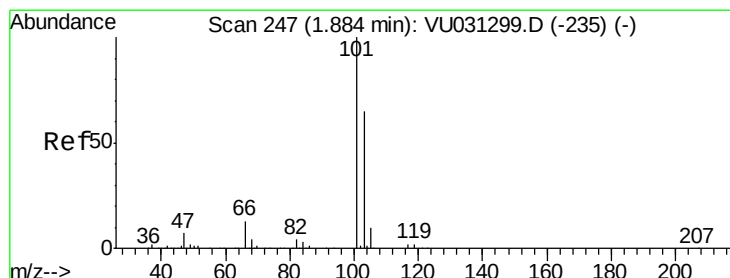
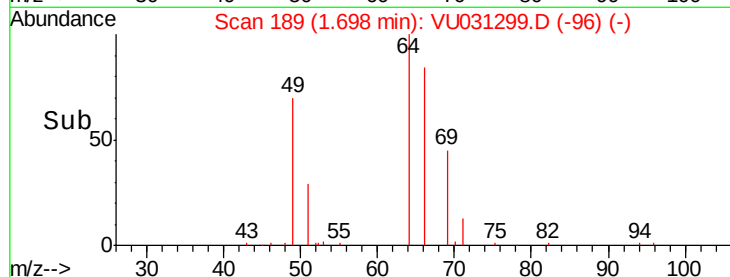
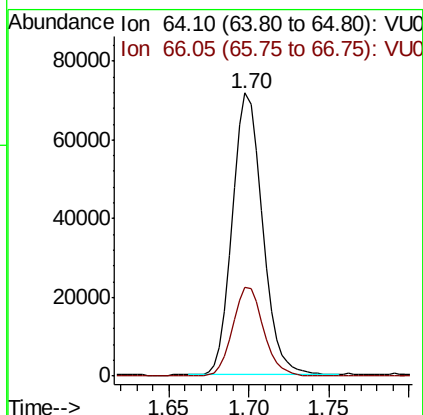
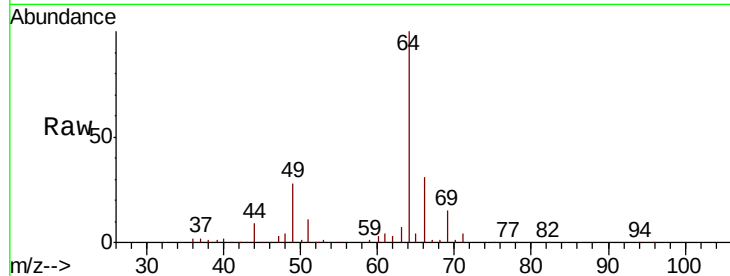




#8
Chloroethane
Concen: 4.780 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

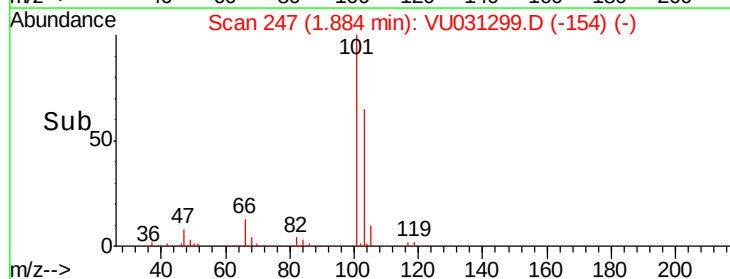
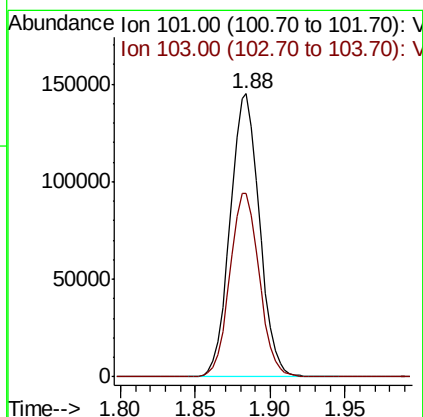
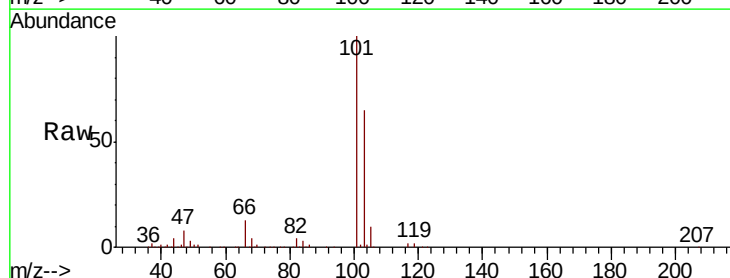
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

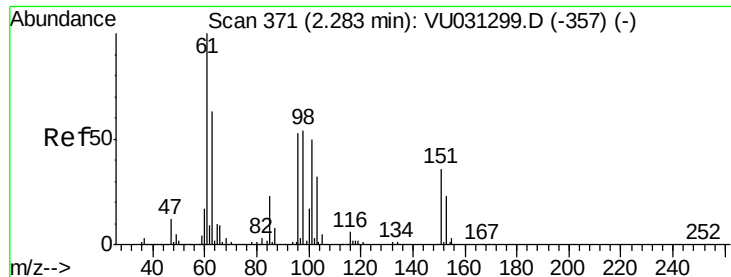
Tgt Ion: 64 Resp: 91445
Ion Ratio Lower Upper
64 100
66 31.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.690 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

Tgt Ion: 101 Resp: 197885
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5





#10

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

Concen: 4.786 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

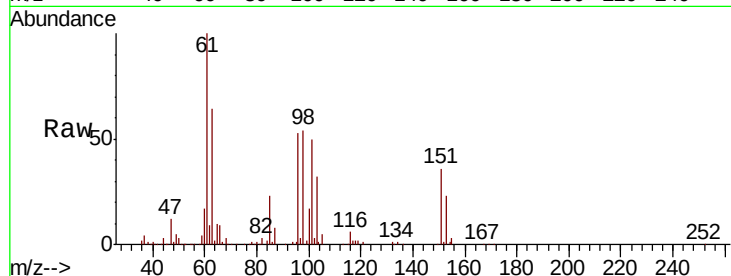
Tgt Ion: 101 Resp: 109104

Ion Ratio Lower Upper

101 100

85 46.5 37.2 55.8

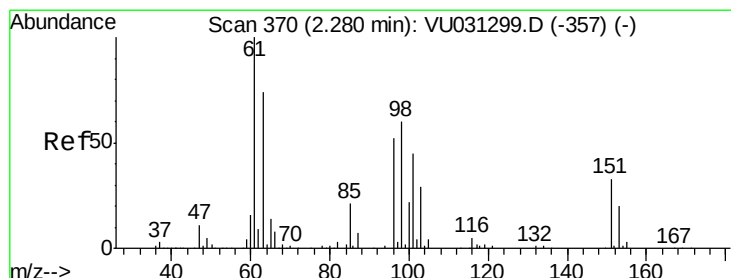
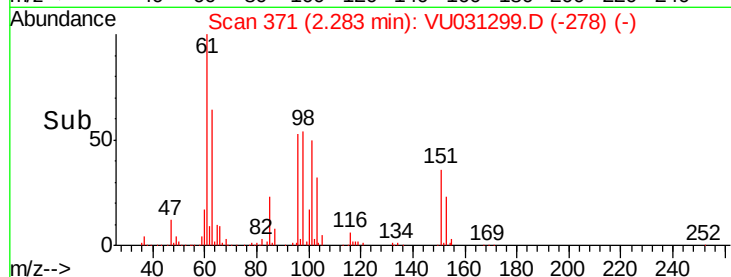
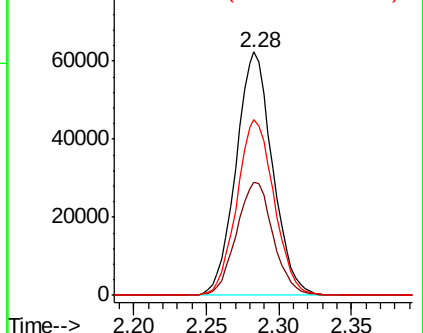
151 73.6 58.9 88.3



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: 4.764 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

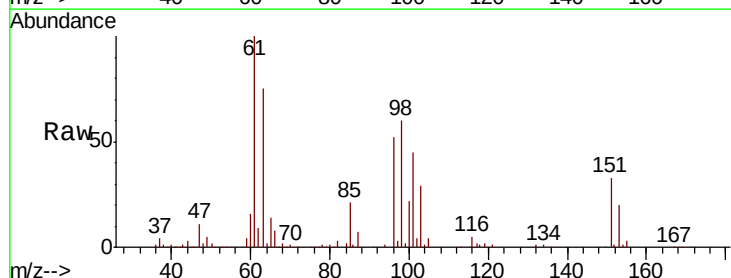
Tgt Ion: 96 Resp: 108163

Ion Ratio Lower Upper

96 100

61 191.0 133.7 248.3

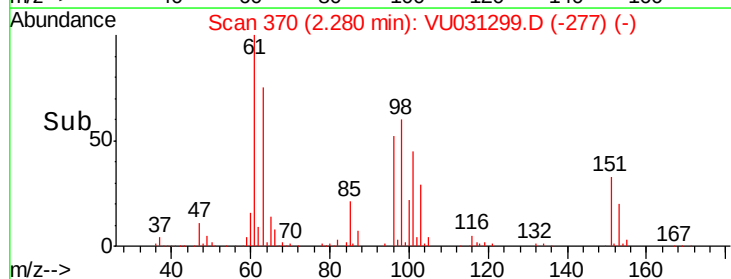
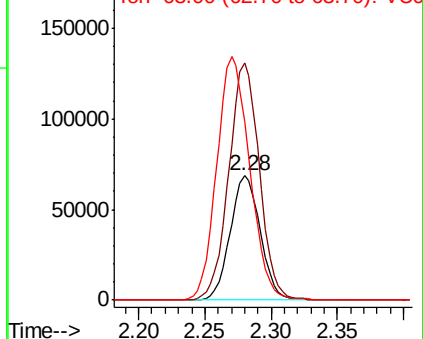
63 143.6 100.5 186.7

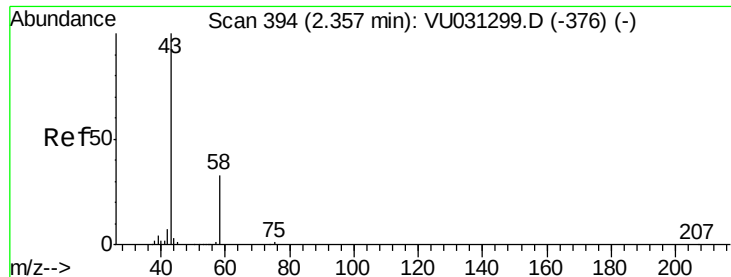


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.862 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.00 min

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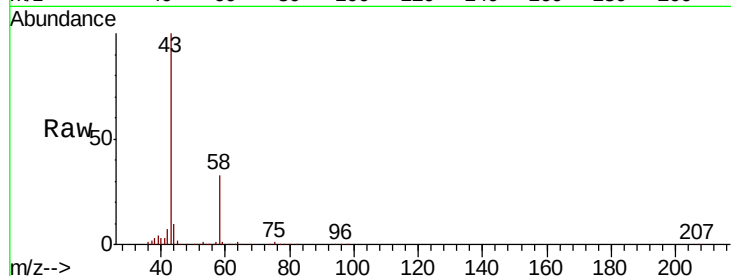
VSTD00505

Tgt Ion: 43 Resp: 242758

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.4



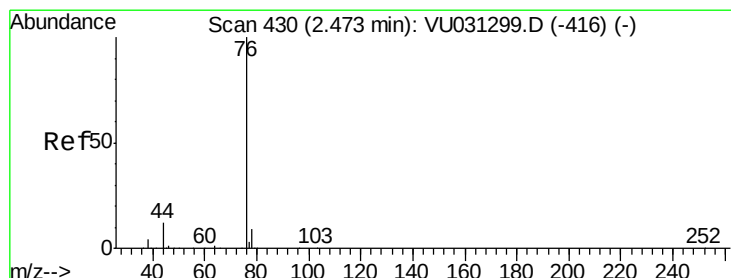
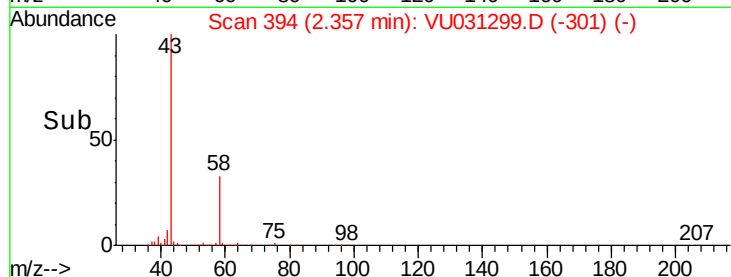
Abundance Ion 43.05 (42.75 to 43.75): VU031299.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU031299.D (-376) (-)

2.36

Time-->

2.30 2.40 2.50



#14

Carbon disulfide

Concen: 4.827 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031299.D

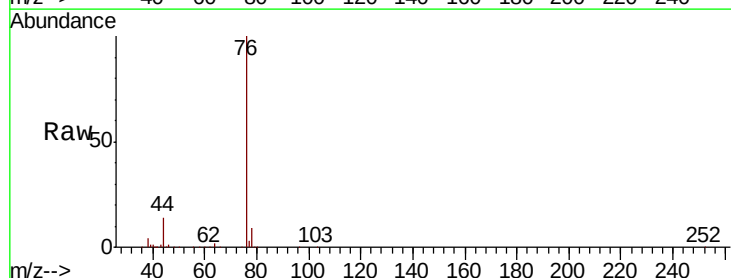
Acq: 18 Apr 2019 11:22

Tgt Ion: 76 Resp: 365877

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4



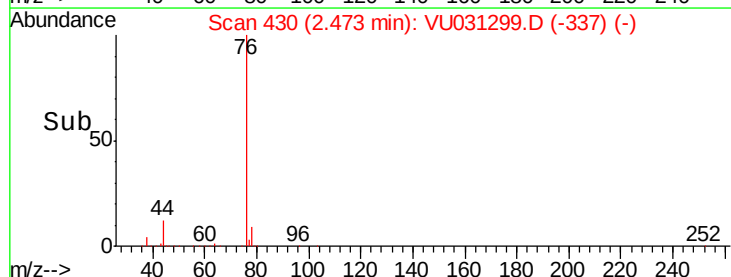
Abundance Ion 76.05 (75.75 to 76.75): VU031299.D (-416) (-)

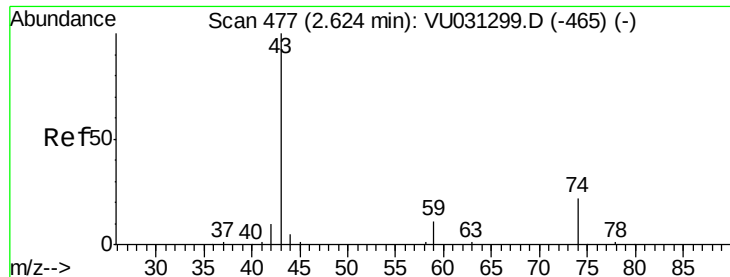
Ion 78.00 (77.70 to 78.70): VU031299.D (-416) (-)

2.47

Time-->

2.40 2.50 2.60

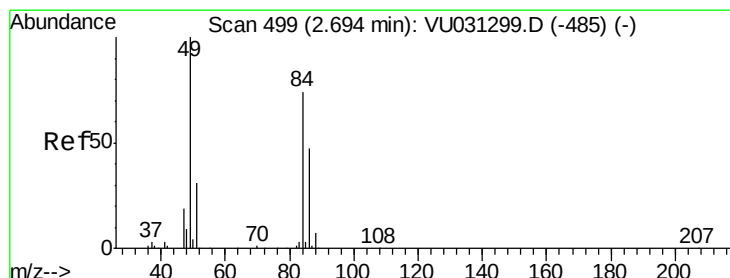
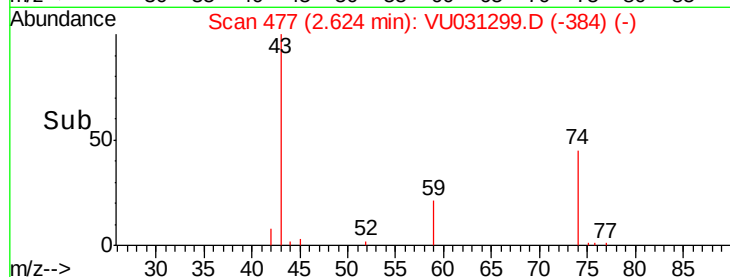
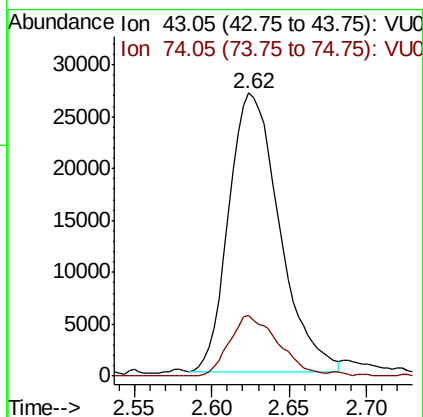
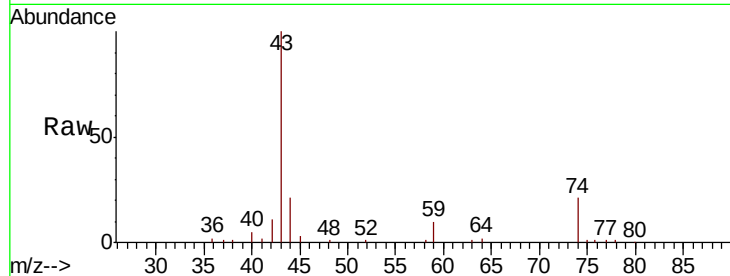




#15
Methyl Acetate
Concen: 4.411 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

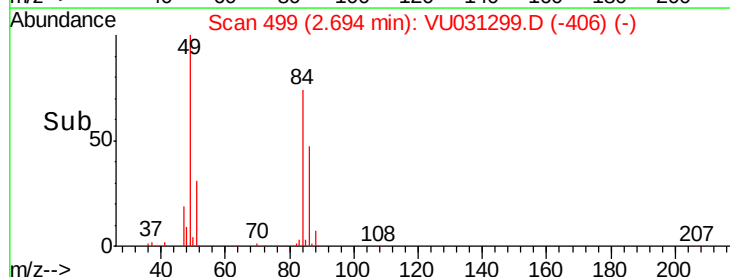
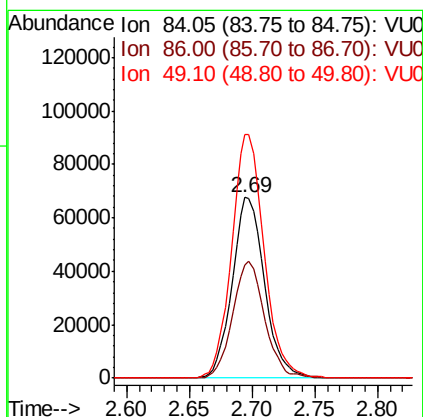
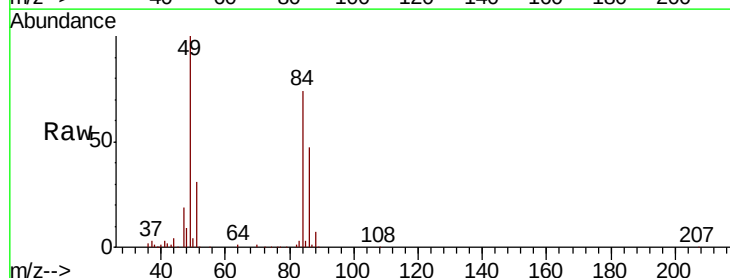
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

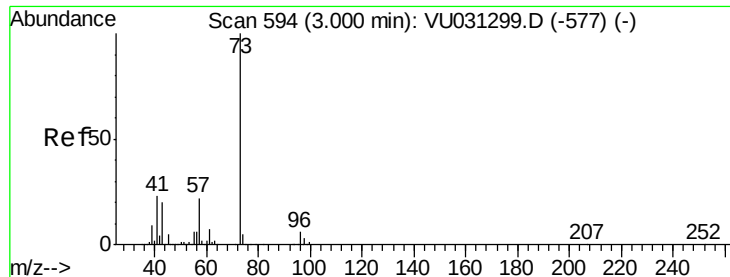
Tgt Ion: 43 Resp: 61157
Ion Ratio Lower Upper
43 100
74 20.9 16.7 25.1



#16
Methylene chloride
Concen: 4.400 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

Tgt Ion: 84 Resp: 121310
Ion Ratio Lower Upper
84 100
86 63.0 44.1 81.9
49 135.1 94.6 175.6

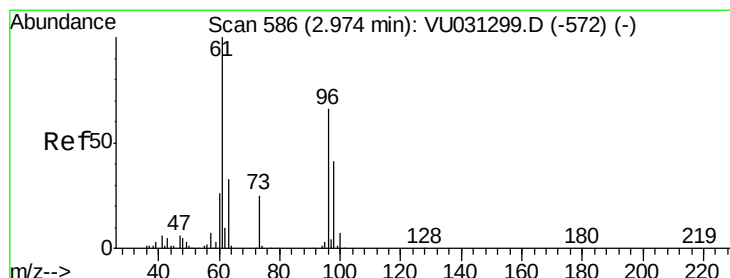
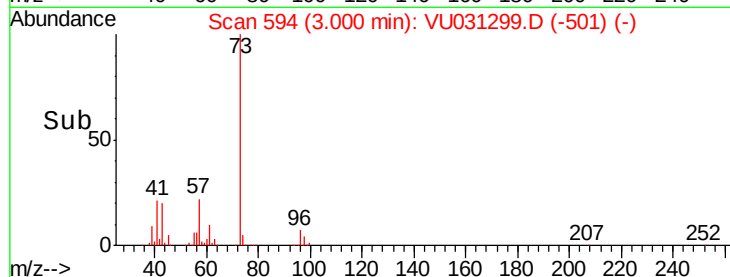
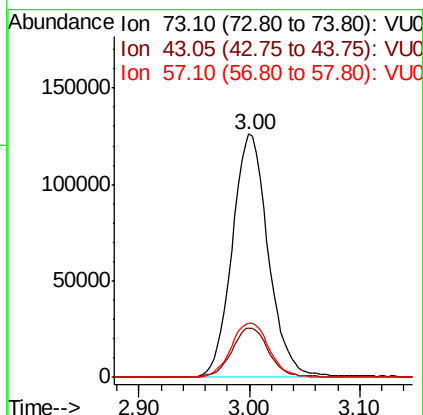
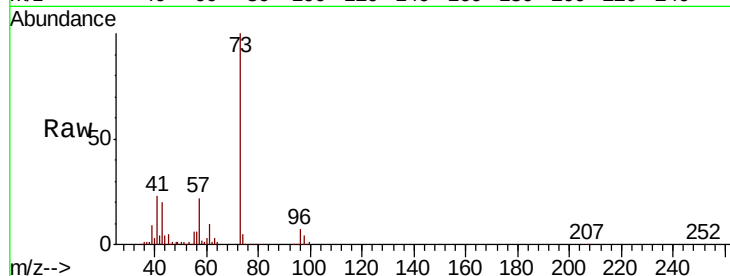




#17
Methyl tert-butyl Ether
Concen: 4.701 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

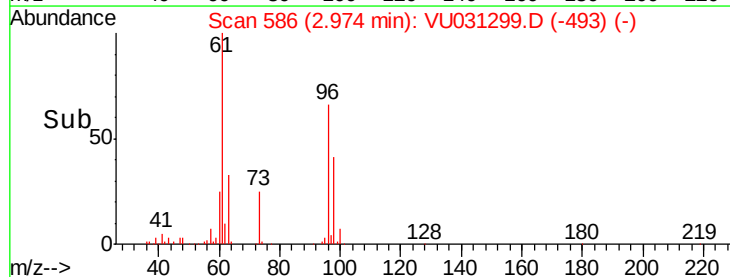
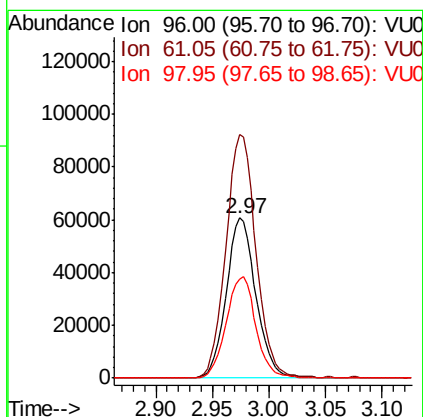
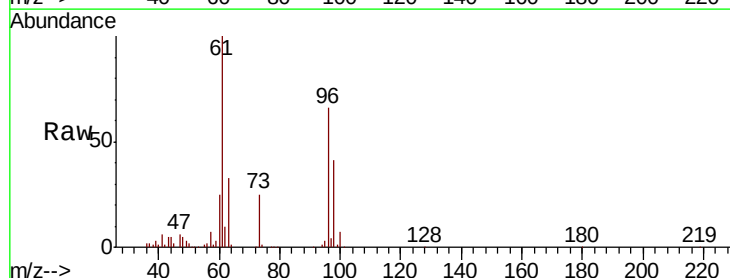
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

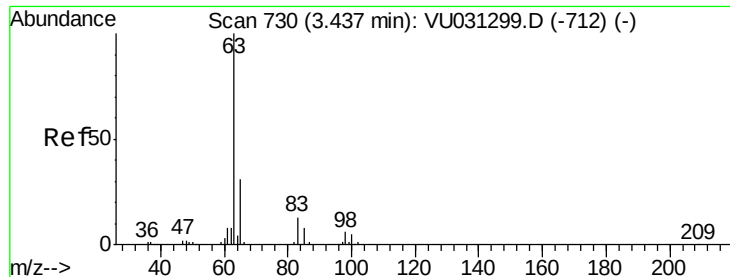
Tgt Ion: 73 Resp: 285944
Ion Ratio Lower Upper
73 100
43 20.4 16.3 24.5
57 23.5 18.8 28.2



#18
trans-1,2-Dichloroethene
Concen: 4.641 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

Tgt Ion: 96 Resp: 111159
Ion Ratio Lower Upper
96 100
61 152.1 106.5 197.7
98 62.2 43.5 80.9

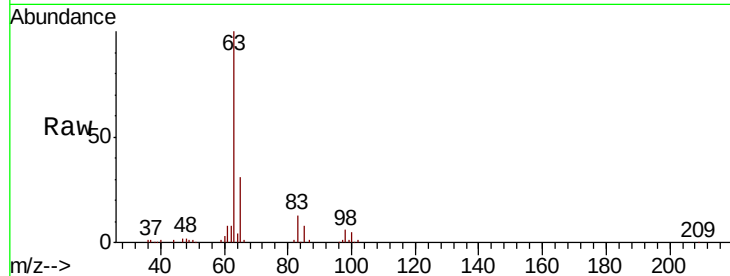




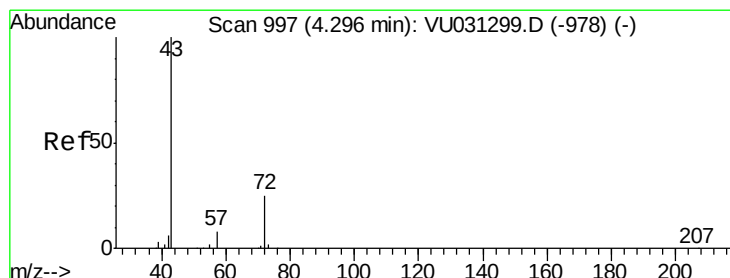
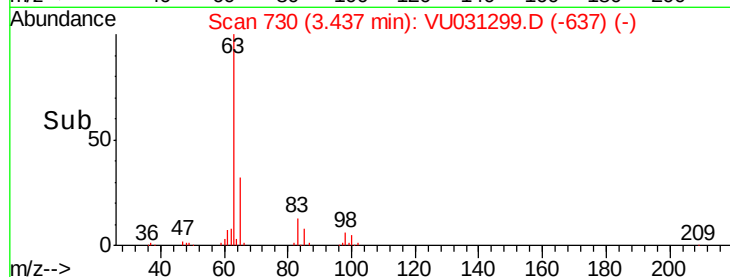
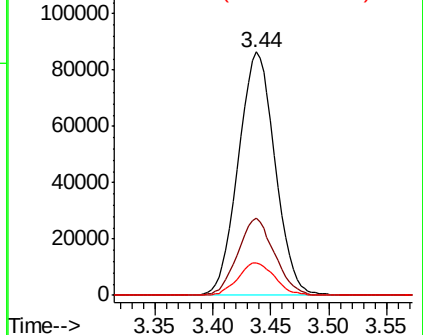
#19
 1,1-Dichloroethane
 Concen: 5.699 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion: 63 Resp: 190482
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 41.0
 83 13.2 9.2 17.2

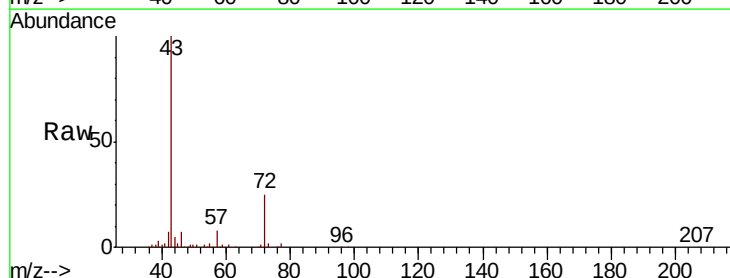


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

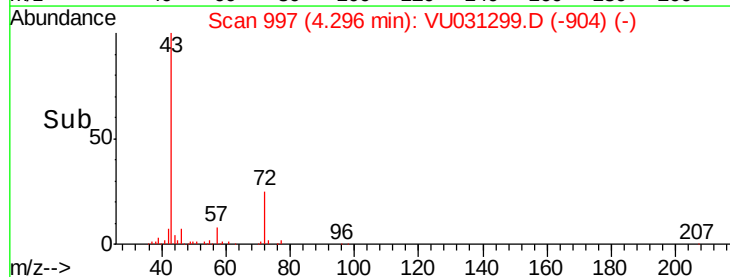
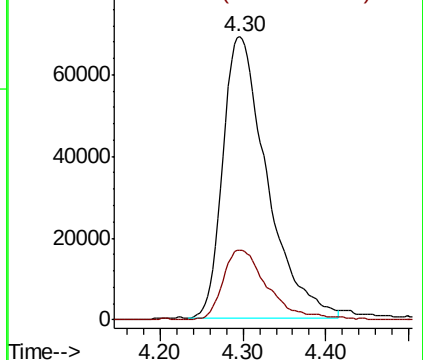


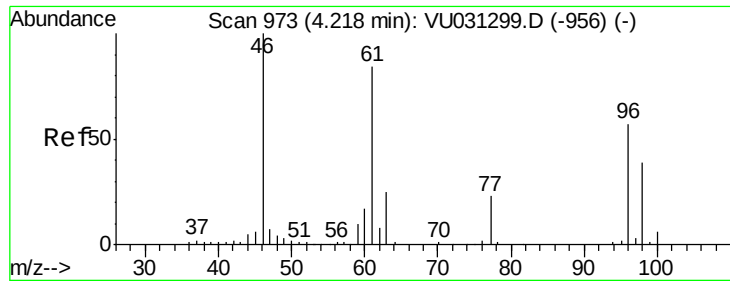
#21
 2-Butanone
 Concen: 48.804 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Tgt Ion: 43 Resp: 255717
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.8 35.4



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



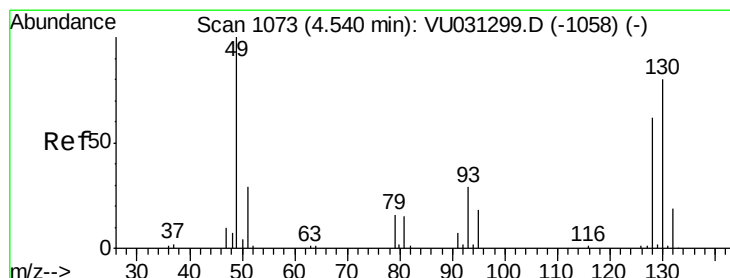
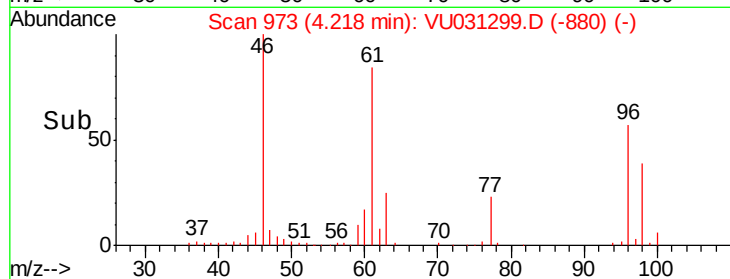
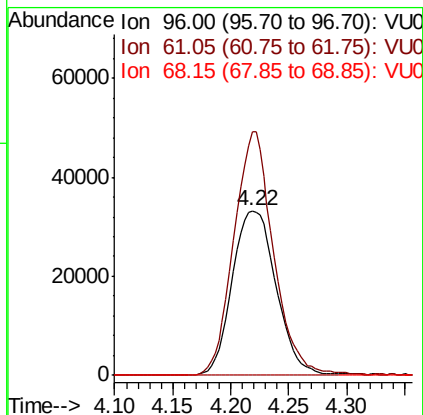
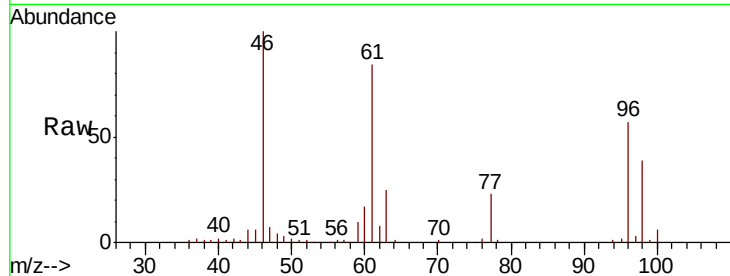


#22

cis-1,2-Dichloroethene
 Concen: 4.712 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

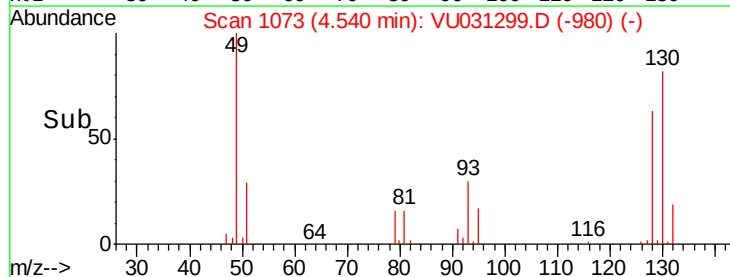
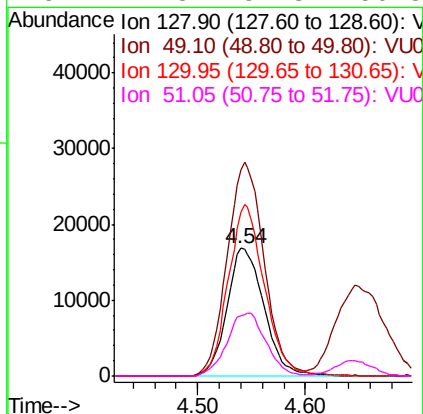
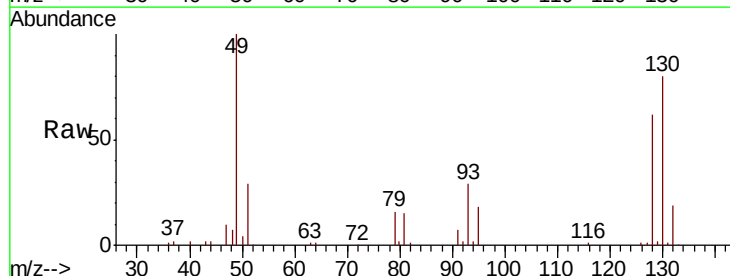
Tgt Ion: 96 Resp: 87262
 Ion Ratio Lower Upper
 96 100
 61 147.8 103.5 192.1
 68 0.0 0.0 0.0

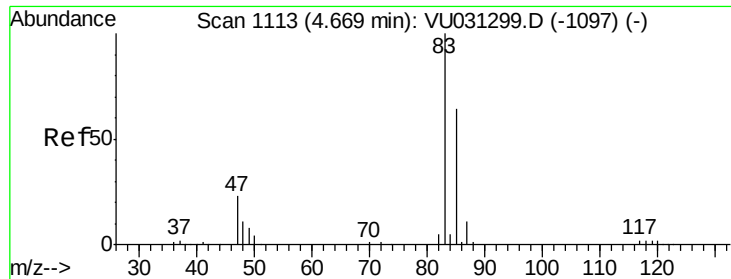


#23

Bromochloromethane
 Concen: 4.877 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Tgt Ion: 128 Resp: 40250
 Ion Ratio Lower Upper
 128 100
 49 161.7 113.2 210.2
 130 128.7 90.1 167.3
 51 47.3 37.8 56.8

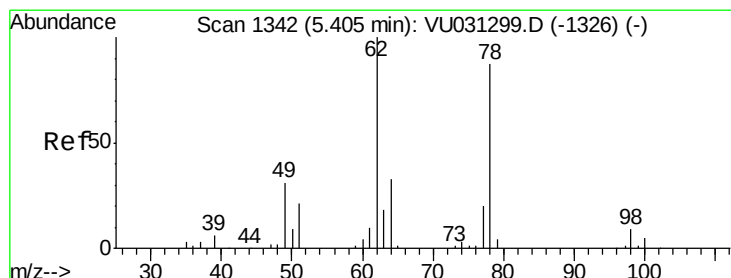
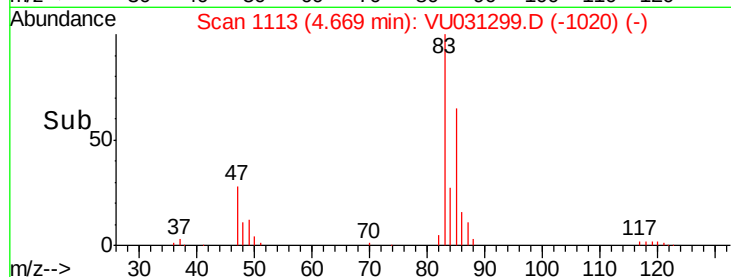
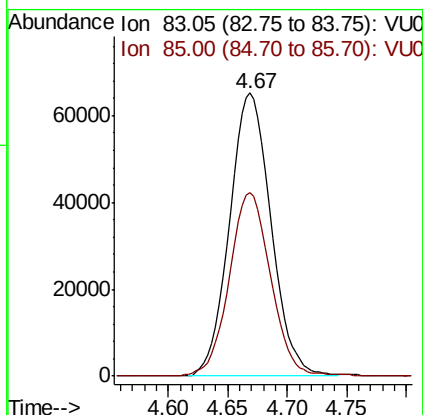
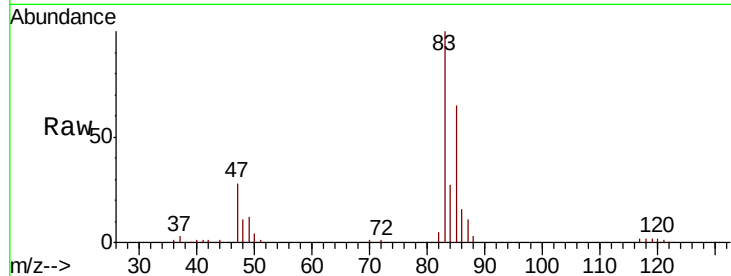




#25
Chloroform
Concen: 4.783 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

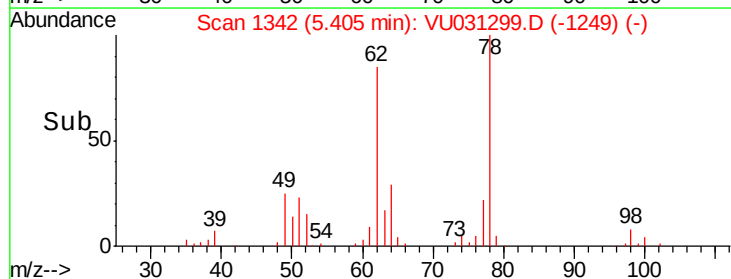
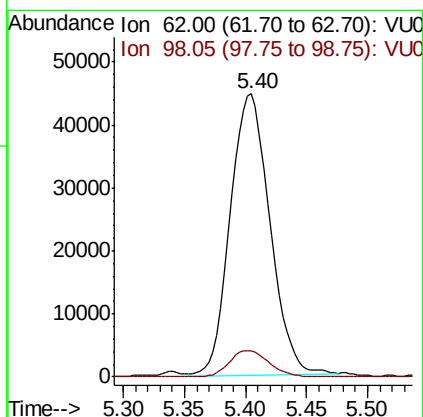
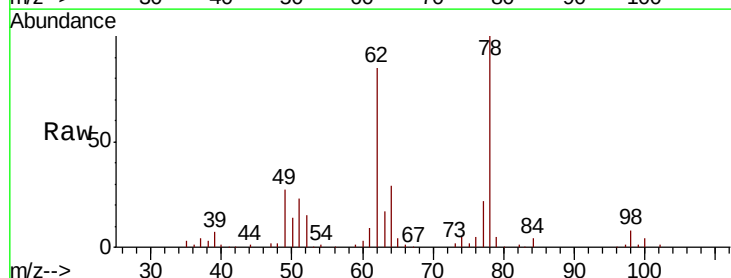
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

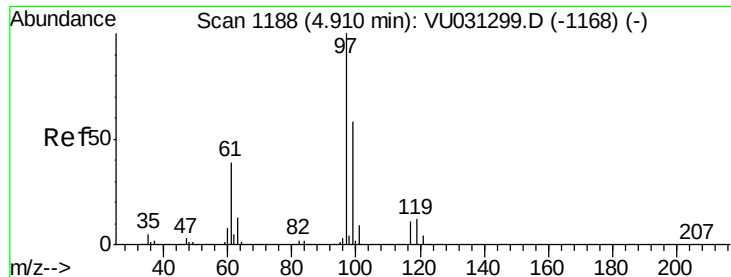
Tgt Ion: 83 Resp: 157499
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.745 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

Tgt Ion: 62 Resp: 100735
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.0

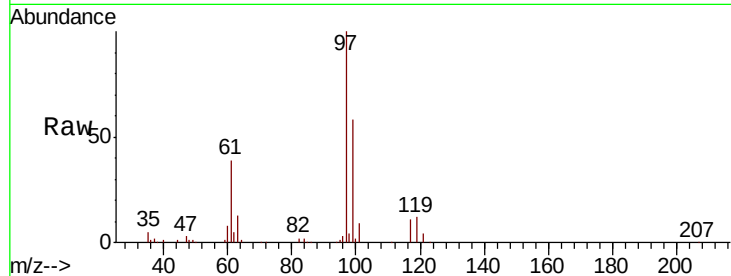




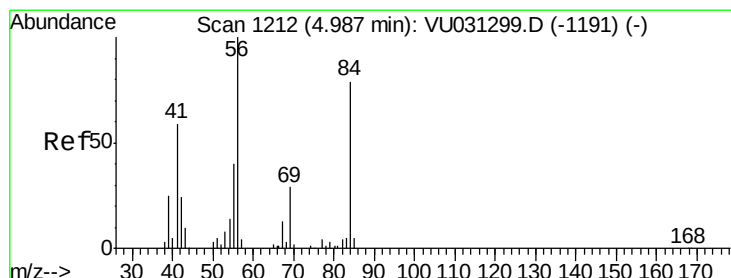
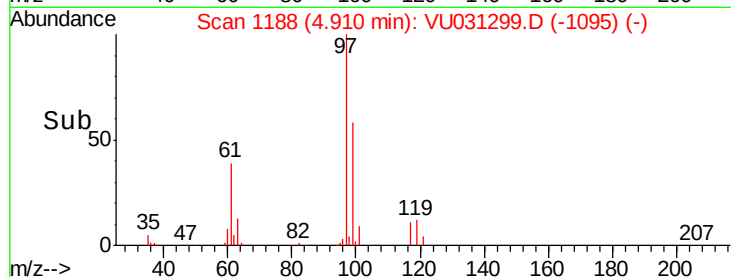
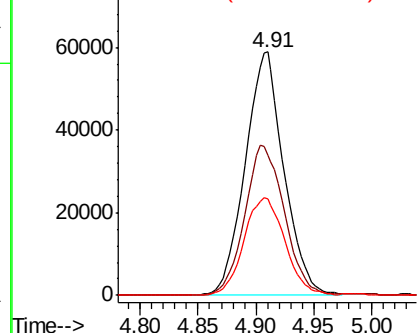
#29
 1,1,1-Trichloroethane
 Concen: 4.988 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	42.4	33.9	50.9

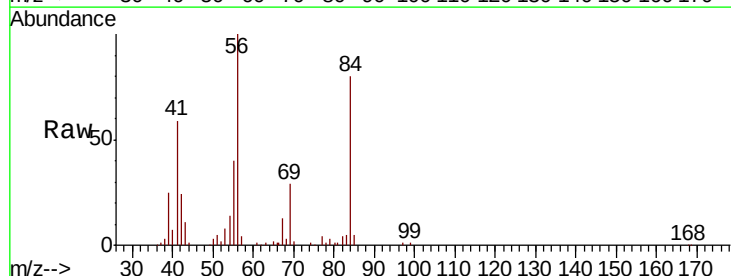


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

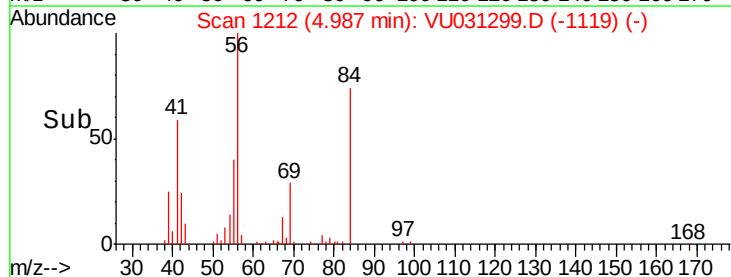
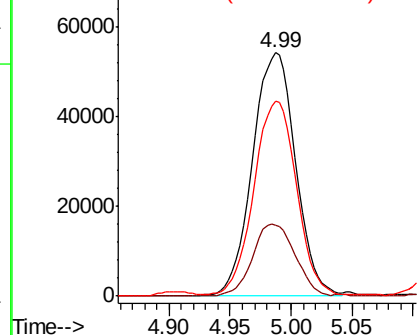


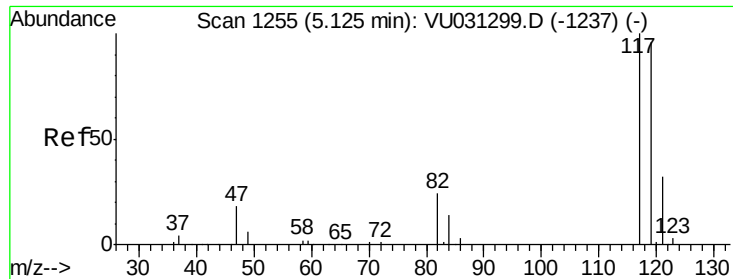
#30
 Cyclohexane
 Concen: 4.757 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.3	34.9
84	78.3	62.6	94.0



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

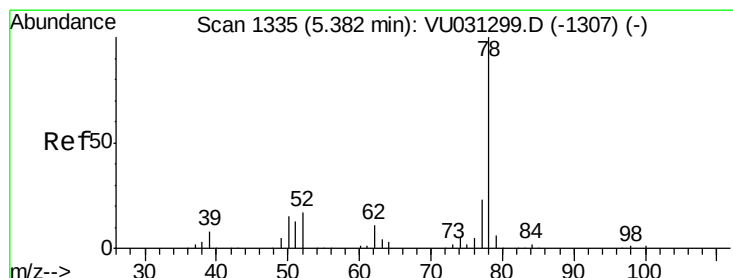
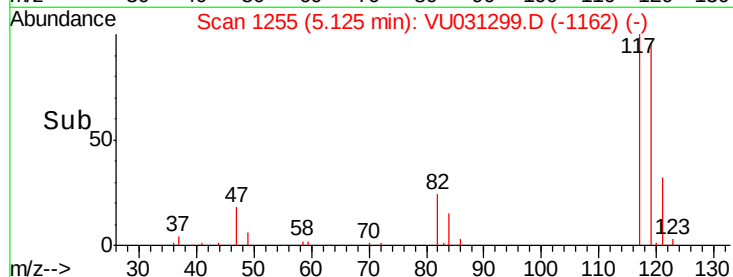
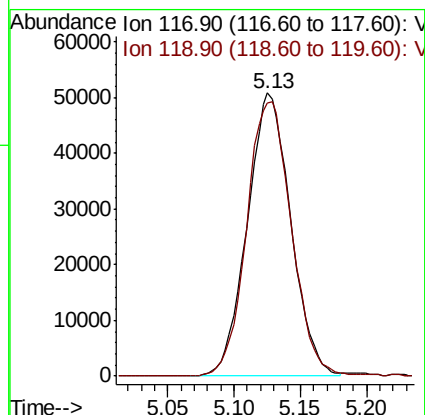
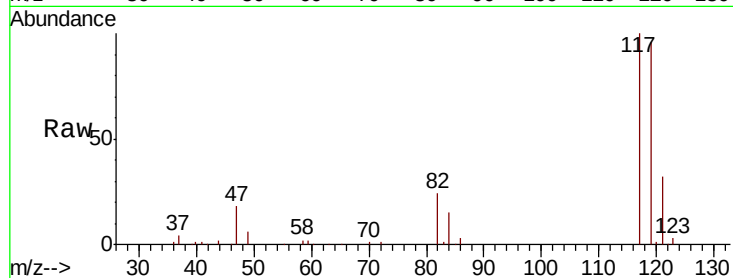




#31
Carbon tetrachloride
Concen: 4.743 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

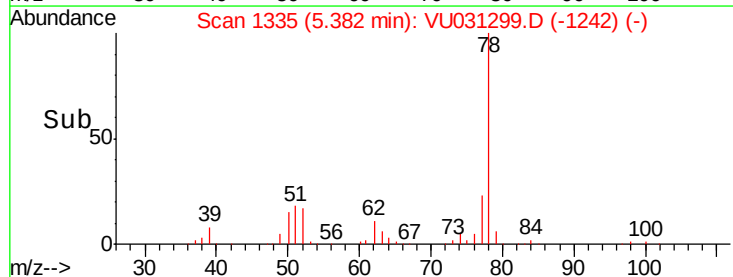
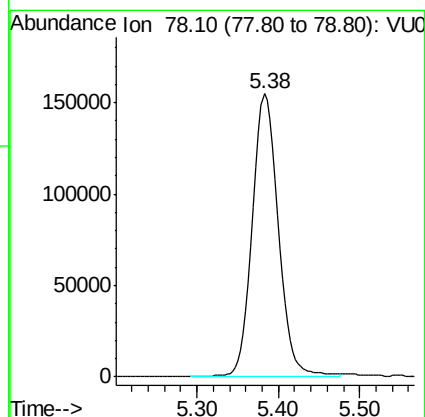
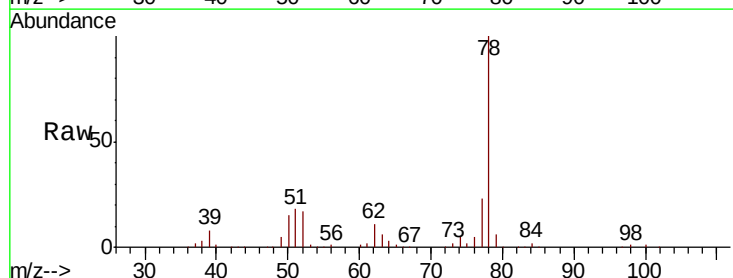
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

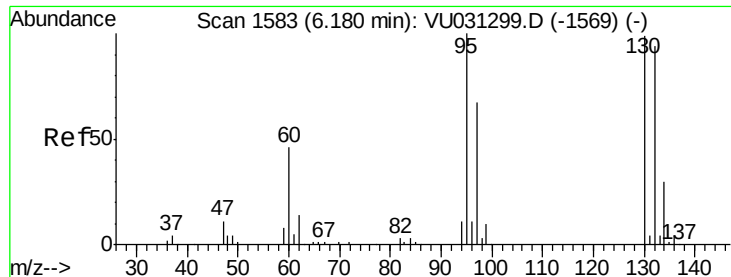
Tgt Ion:117 Resp: 116170
Ion Ratio Lower Upper
117 100
119 99.5 79.6 119.4



#33
Benzene
Concen: 4.941 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

Tgt Ion: 78 Resp: 340633





#34

Trichloroethene

Concen: 4.577 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

Tgt Ion: 95 Resp: 85296

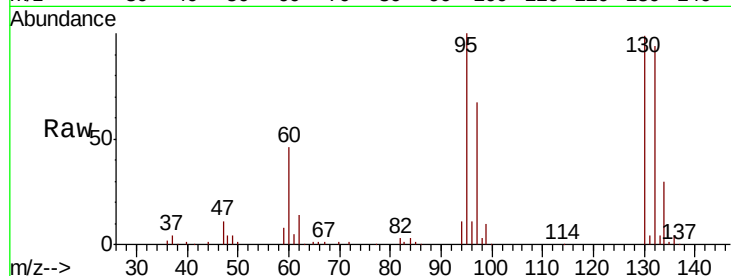
Ion Ratio Lower Upper

95 100

97 66.8 46.8 86.8

132 94.0 65.8 122.2

130 99.3 69.5 129.1

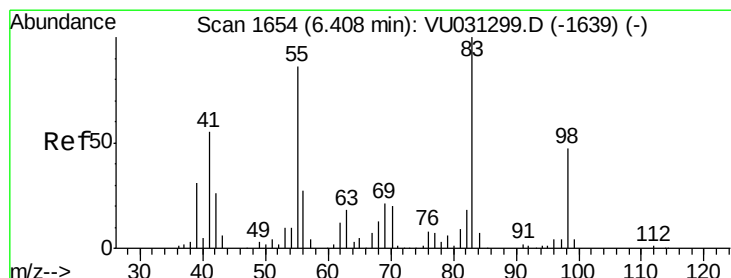
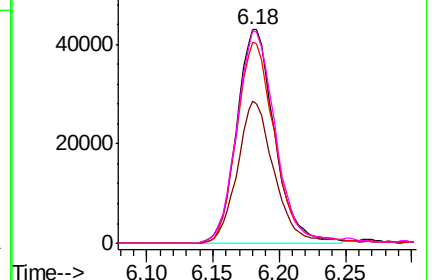
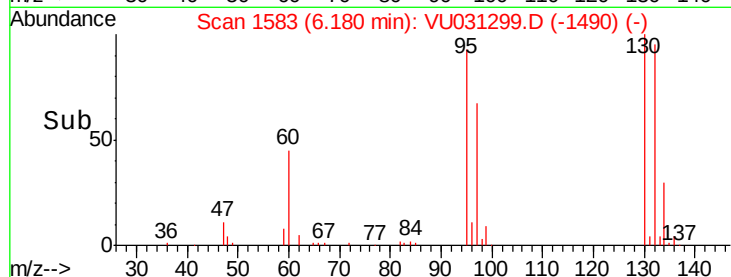


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.718 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

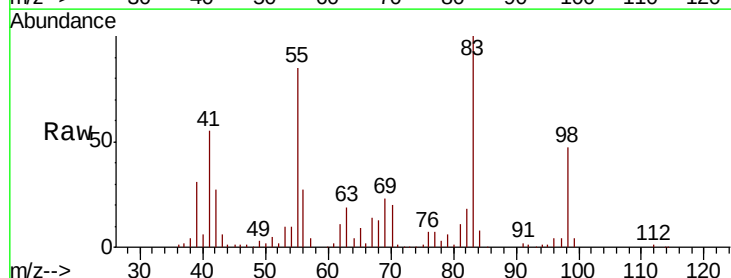
Tgt Ion: 83 Resp: 121074

Ion Ratio Lower Upper

83 100

55 88.2 70.6 105.8

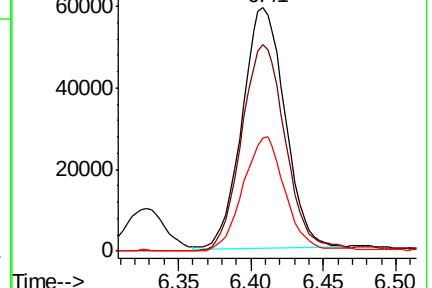
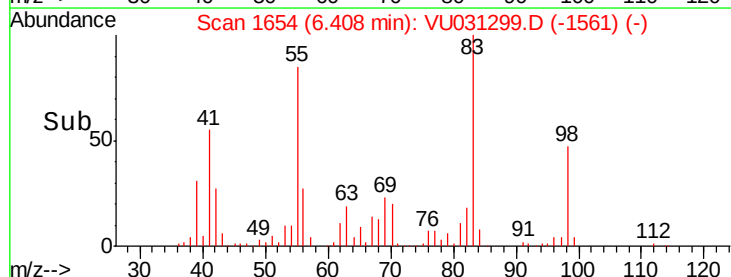
98 46.2 37.0 55.4

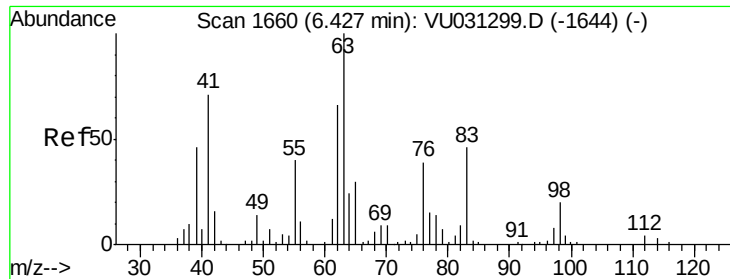


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

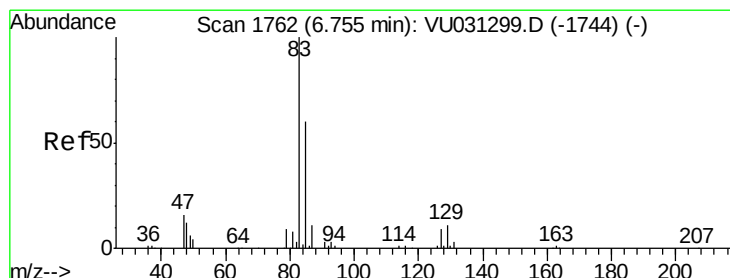
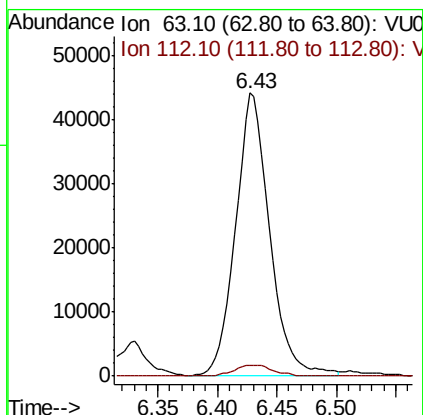
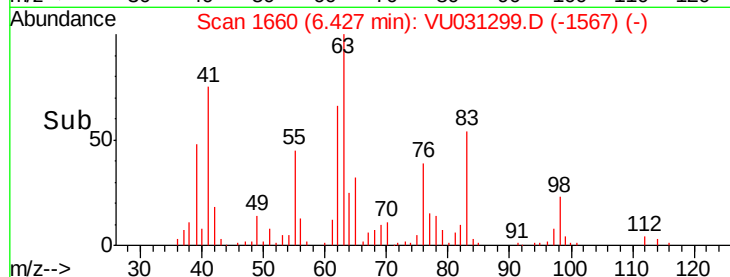
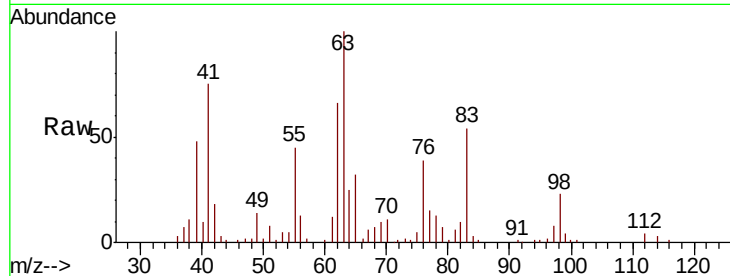




#37
 1,2-Dichloropropane
 Concen: 4.792 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

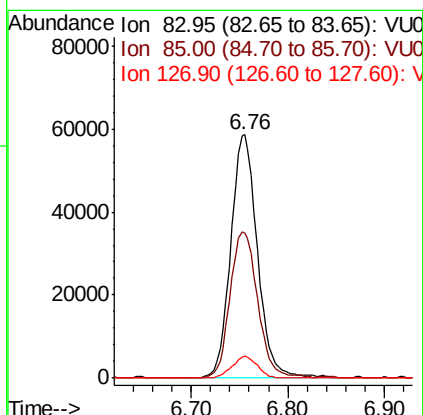
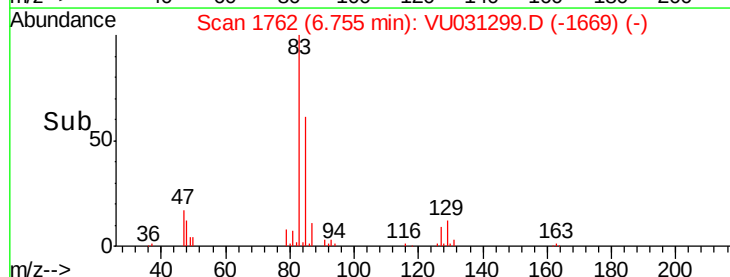
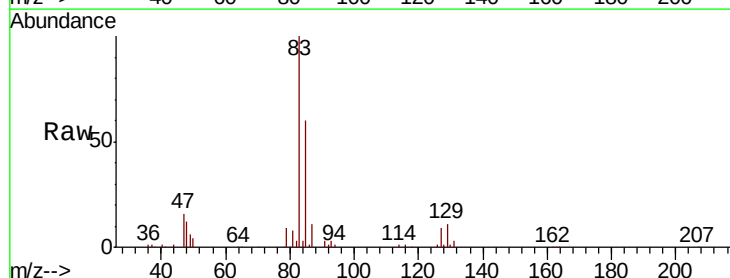
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

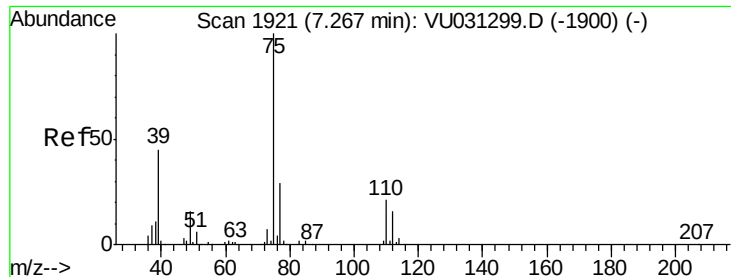
Tgt Ion: 63 Resp: 87099
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.966 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Tgt Ion: 83 Resp: 112623
 Ion Ratio Lower Upper
 83 100
 85 59.8 41.9 77.7
 127 8.9 7.1 10.7

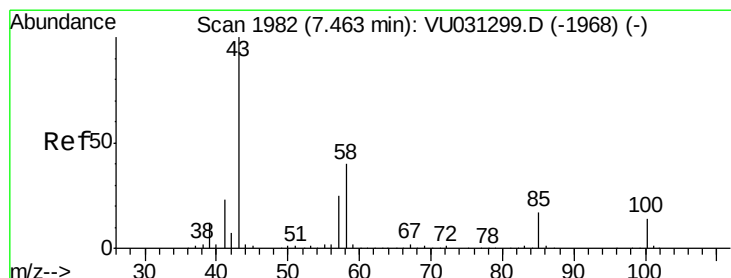
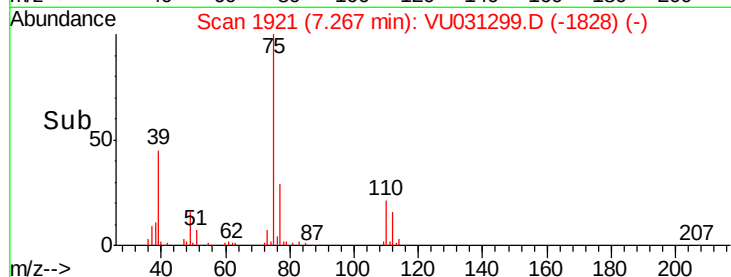
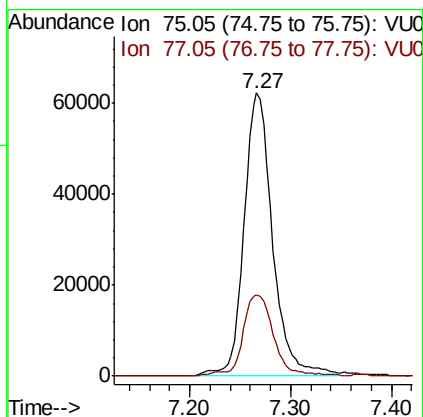
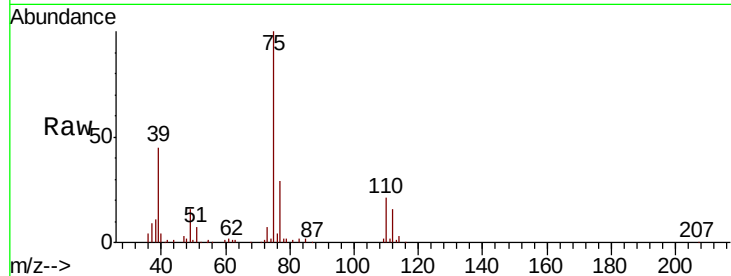




#39
 cis-1,3-Dichloropropene
 Concen: 5.070 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

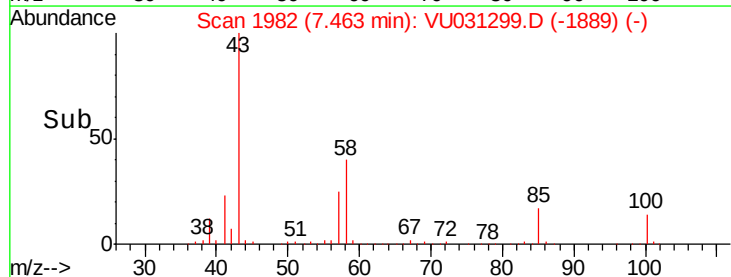
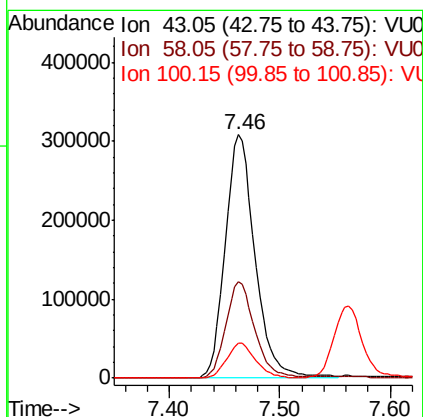
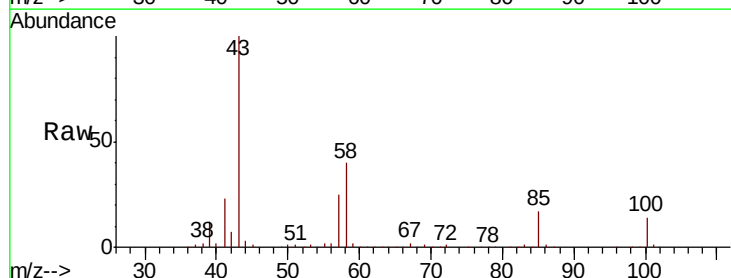
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

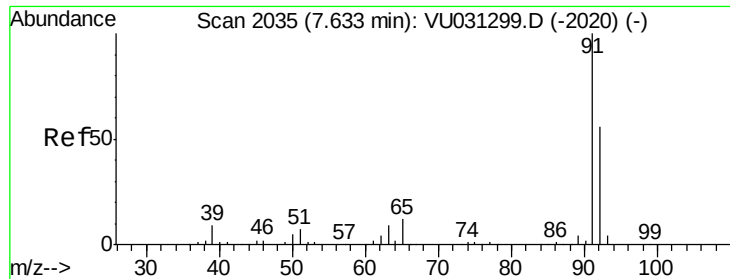
Tgt Ion: 75 Resp: 121872
 Ion Ratio Lower Upper
 75 100
 77 28.8 20.2 37.4



#40
 4-Methyl-2-pentanone
 Concen: 49.733 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Tgt Ion: 43 Resp: 580427
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.7 46.1
 100 13.9 11.1 16.7





#42

Toluene

Concen: 5.026 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

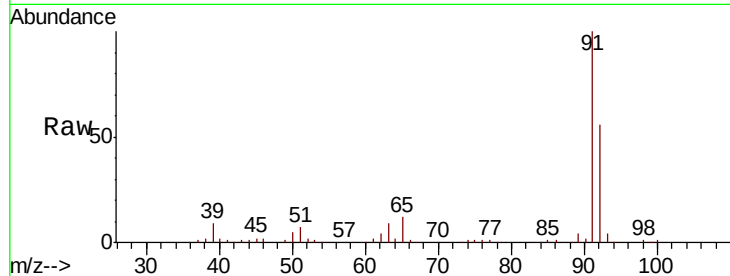
VSTD00505

Tgt Ion: 91 Resp: 349373

Ion Ratio Lower Upper

91 100

92 56.4 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU031299.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031299.D (-2020) (-)

7.63

200000

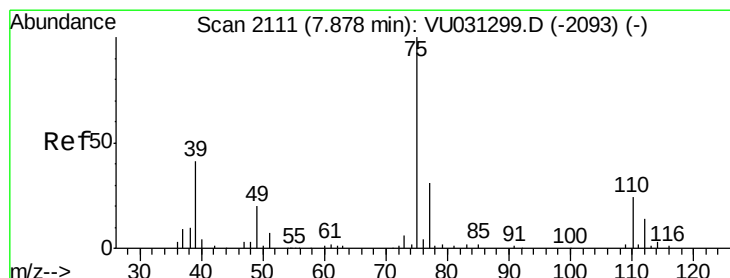
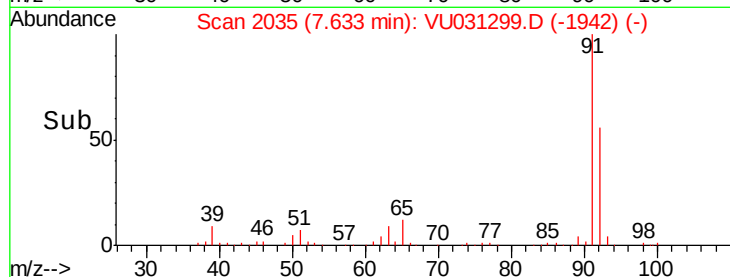
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.967 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031299.D

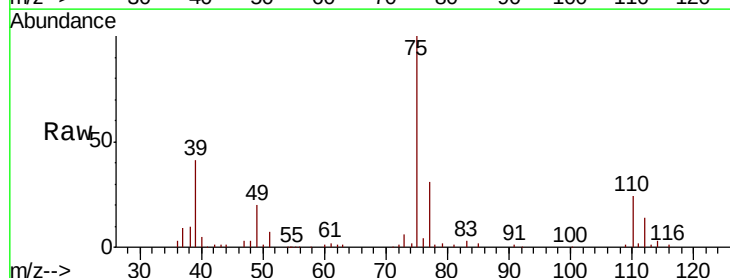
Acq: 18 Apr 2019 11:22

Tgt Ion: 75 Resp: 99636

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU031299.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031299.D (-2093) (-)

7.88

60000

50000

40000

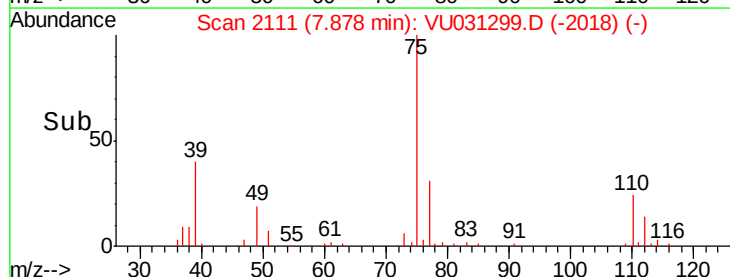
30000

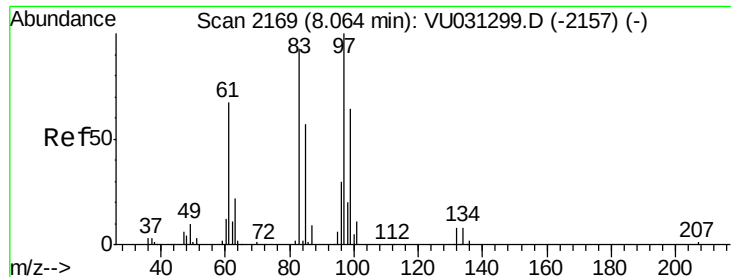
20000

10000

0

Time-->

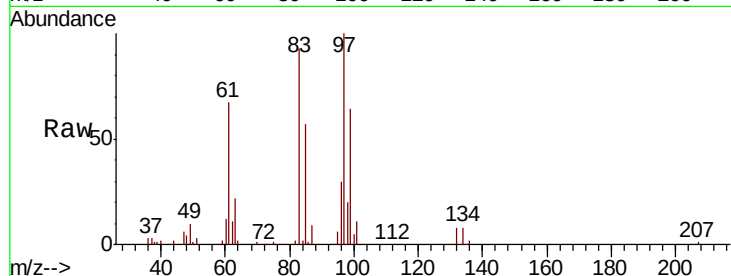




#45
 1,1,2-Trichloroethane
 Concen: 4.719 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion:	97	Resp:	61105
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.8	83.2
83	92.7	64.9	120.5
85	57.3	40.1	74.5



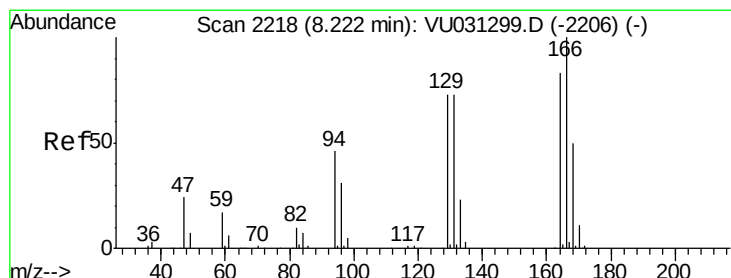
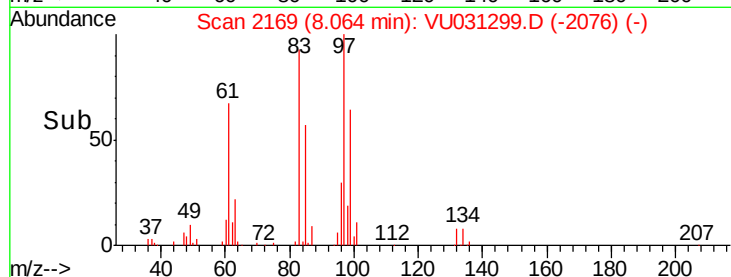
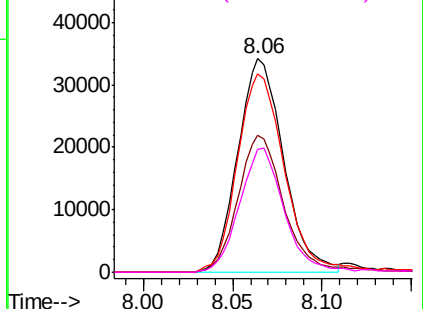
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

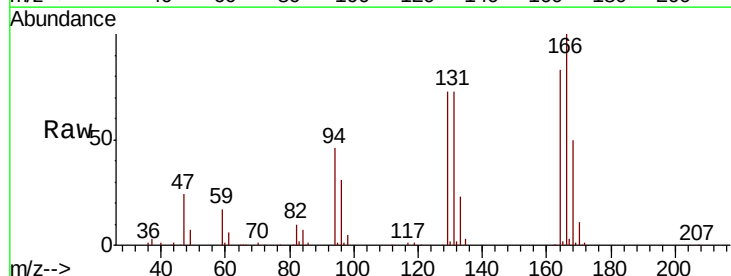
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.798 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Tgt Ion:	164	Resp:	66628
Ion	Ratio	Lower	Upper
164	100		
129	88.4	61.9	114.9
131	87.9	61.5	114.3
166	120.8	84.6	157.0



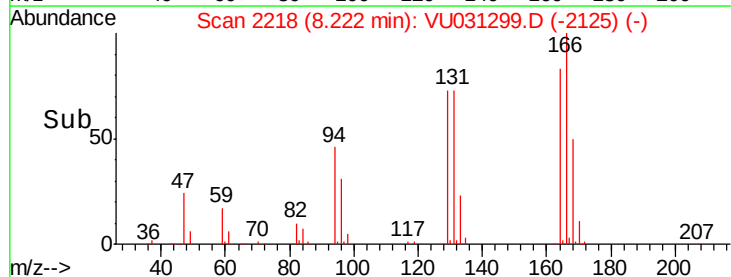
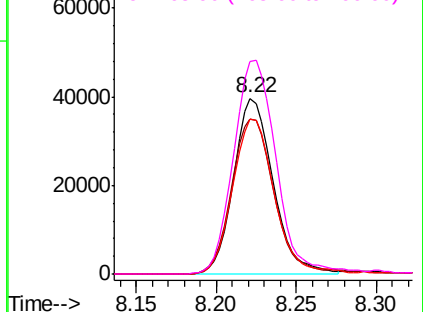
Abundance

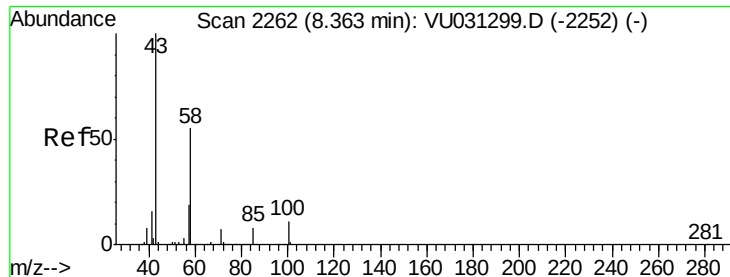
Ion 163.90 (163.60 to 164.60): V

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

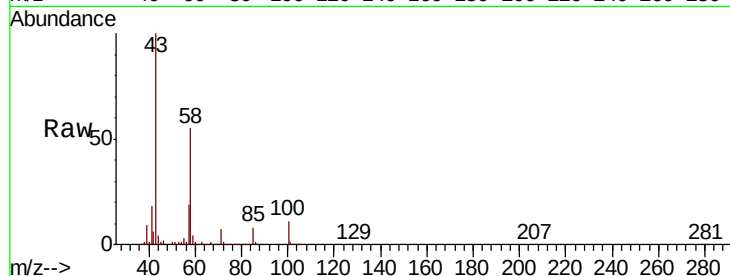




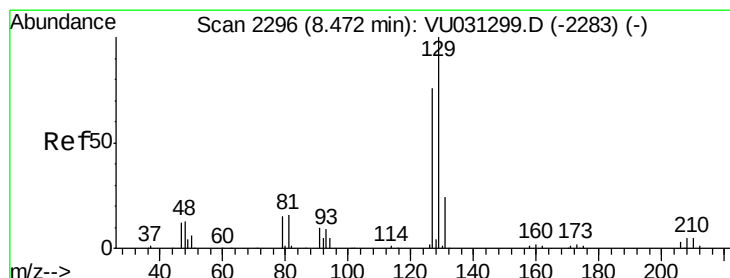
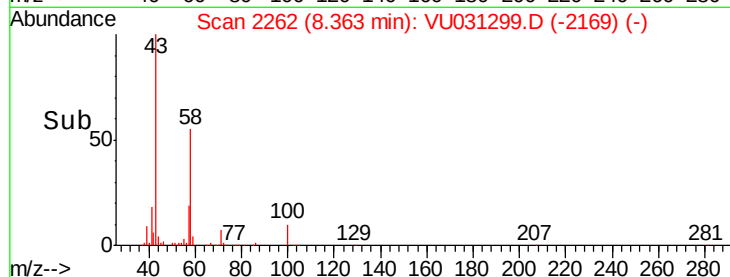
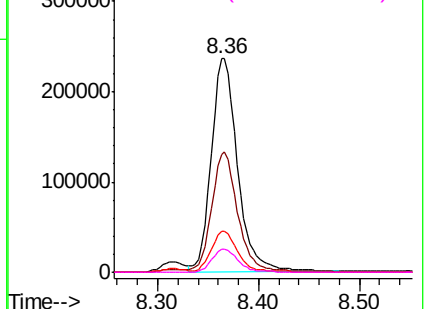
#48
2-Hexanone
Concen: 51.504 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:	43	Resp:	426607
Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.0	67.6
57	19.4	15.5	23.3
100	10.9	8.7	13.1

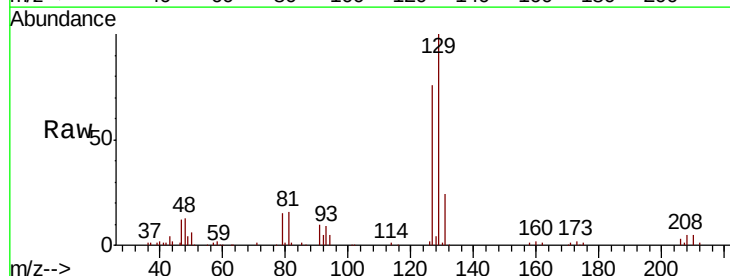


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

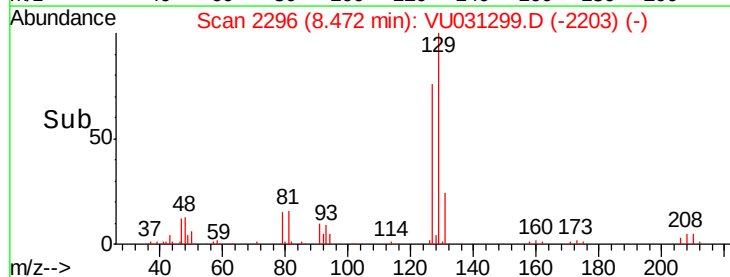
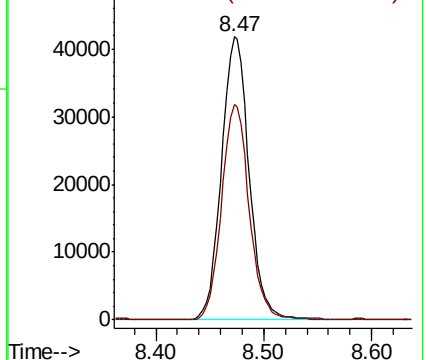


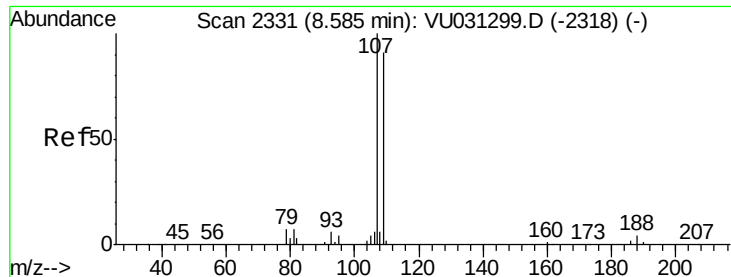
#49
Dibromochloromethane
Concen: 4.814 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

Tgt Ion:	129	Resp:	74587
Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.3	99.1



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





#50

1,2-Dibromoethane

Concen: 4.921 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

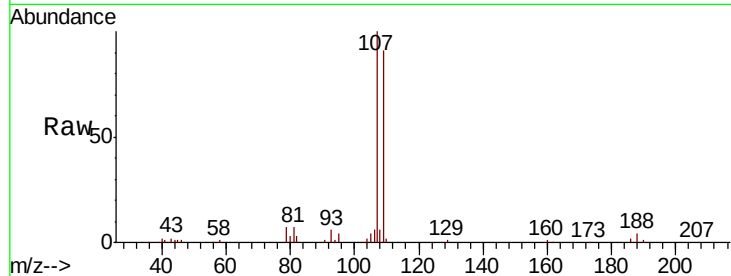
Tgt Ion:107 Resp: 60355

Ion Ratio Lower Upper

107 100

109 90.9 63.6 118.2

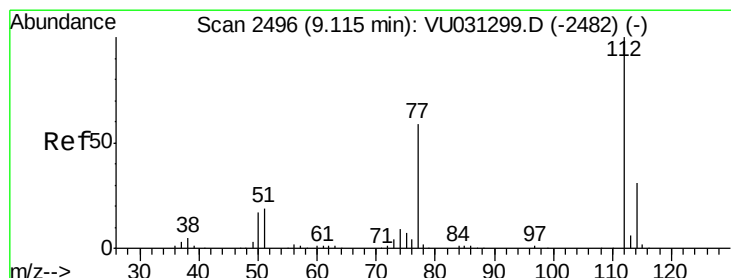
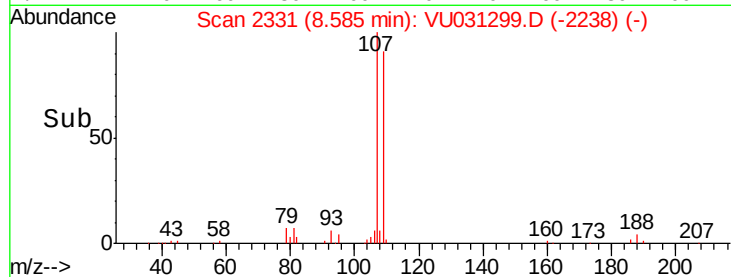
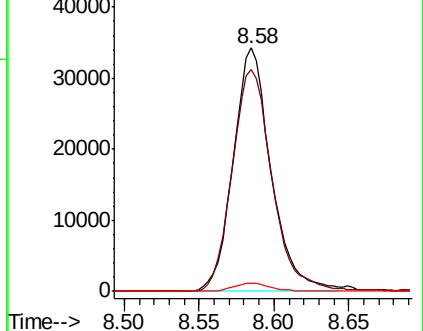
188 3.6 2.9 4.3



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: 4.960 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

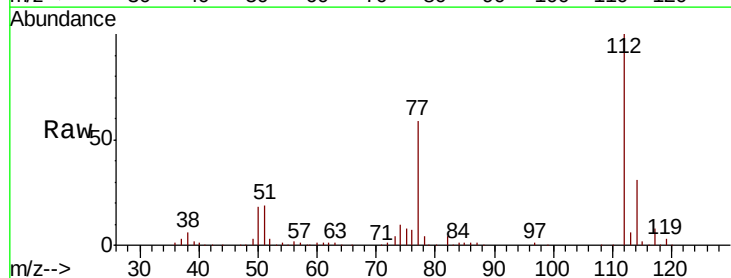
Tgt Ion:112 Resp: 215885

Ion Ratio Lower Upper

112 100

114 30.9 21.6 40.2

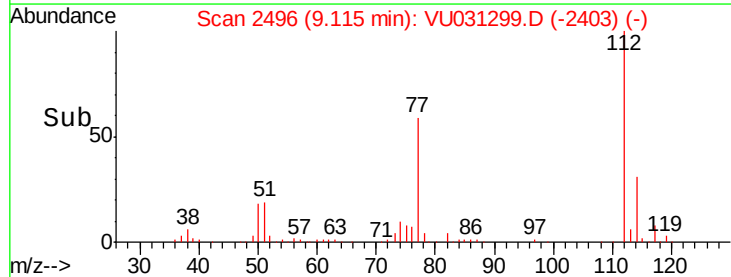
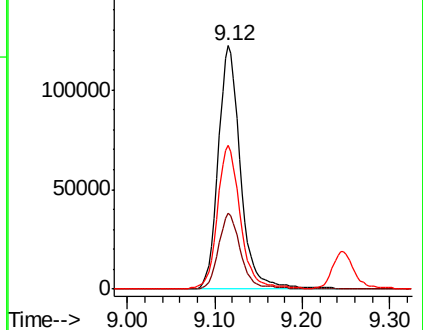
77 58.9 47.1 70.7

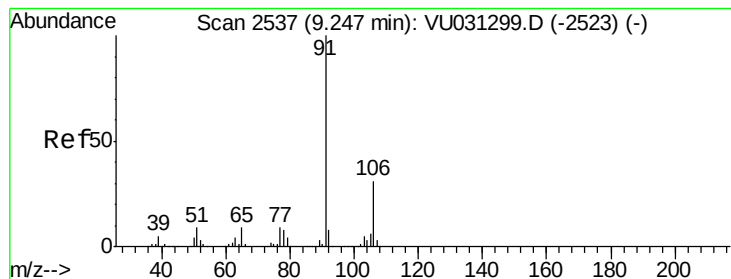


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.952 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

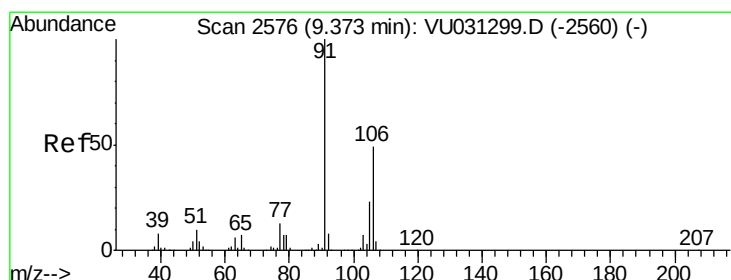
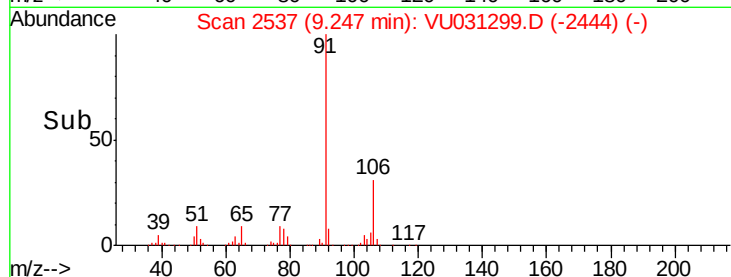
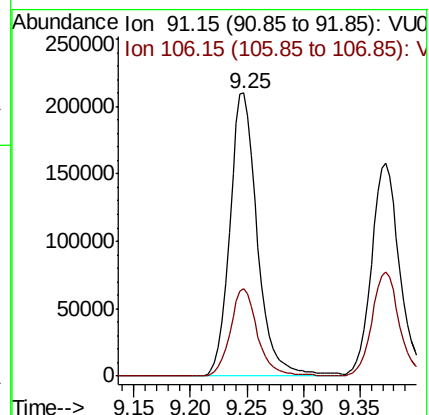
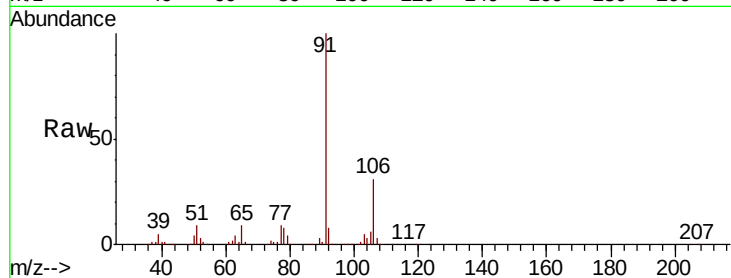
VSTD00505

Tgt Ion: 91 Resp: 355611

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-Xylene

Concen: 4.999 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031299.D

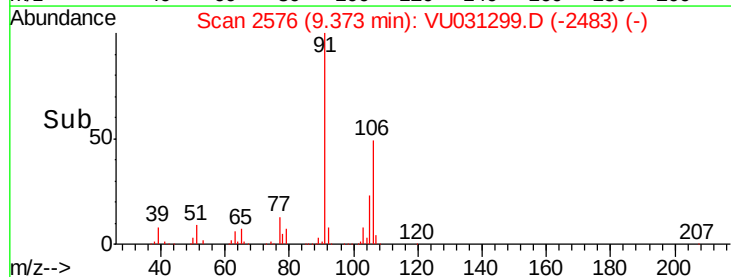
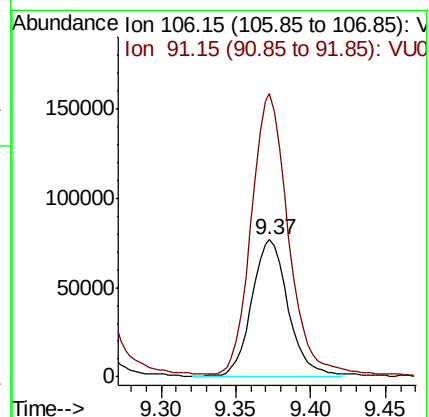
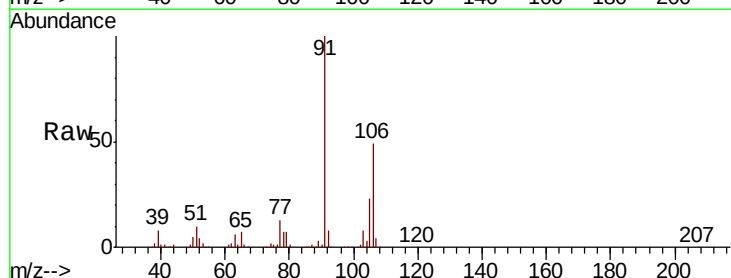
Acq: 18 Apr 2019 11:22

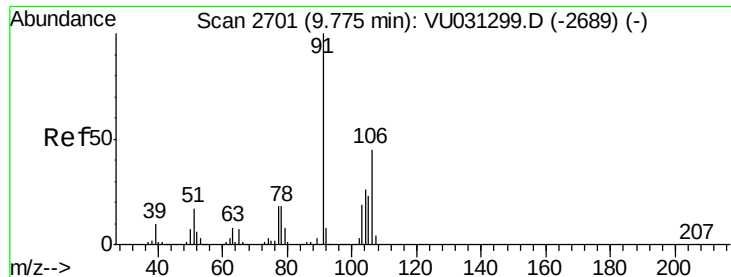
Tgt Ion: 106 Resp: 128955

Ion Ratio Lower Upper

106 100

91 206.0 144.2 267.8

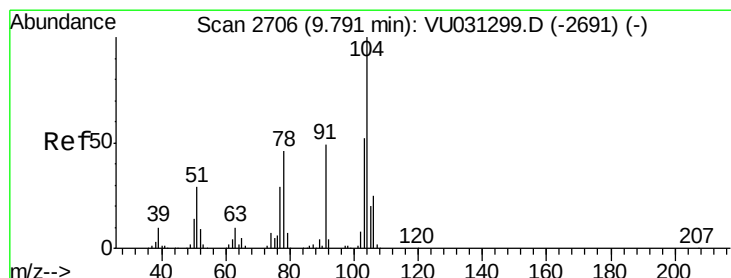
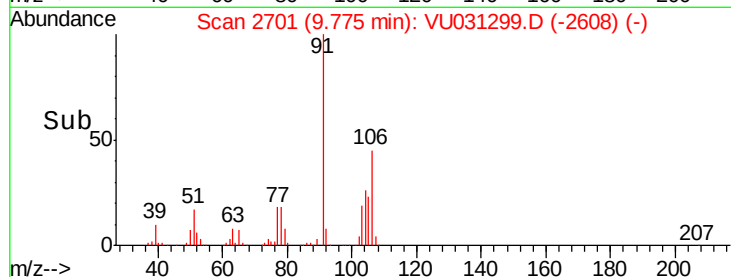
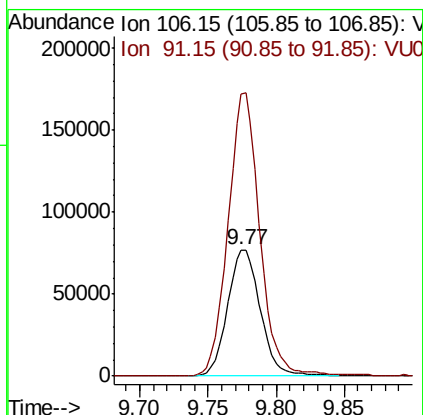
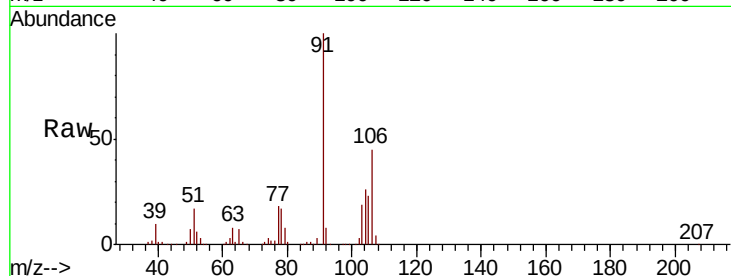




#54
o-Xylene
Concen: 5.062 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

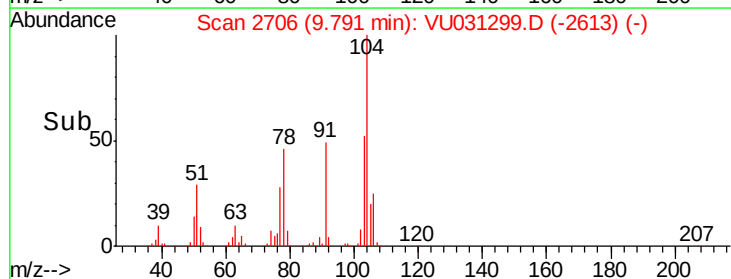
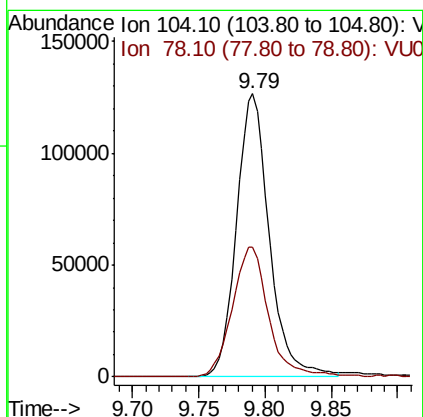
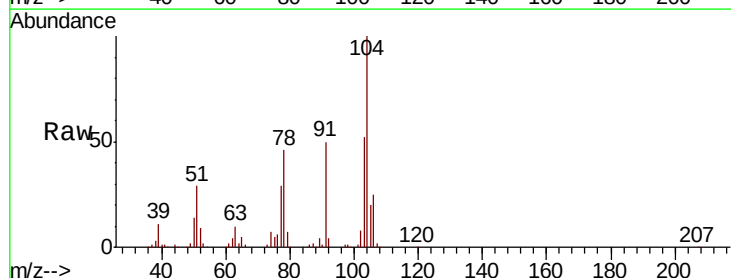
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

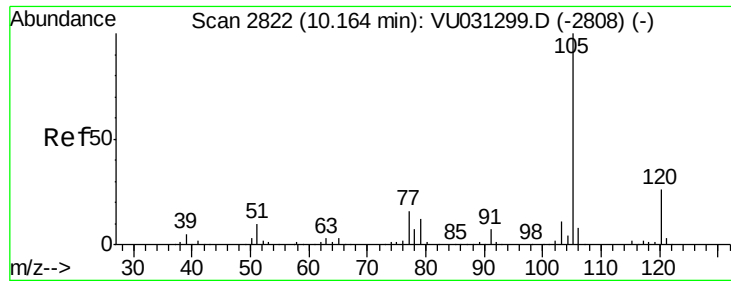
Tgt Ion:106 Resp: 128676
Ion Ratio Lower Upper
106 100
91 223.1 156.2 290.0



#55
Styrene
Concen: 5.166 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031299.D
Acq: 18 Apr 2019 11:22

Tgt Ion:104 Resp: 218151
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4





#56

Isopropylbenzene

Concen: 5.050 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

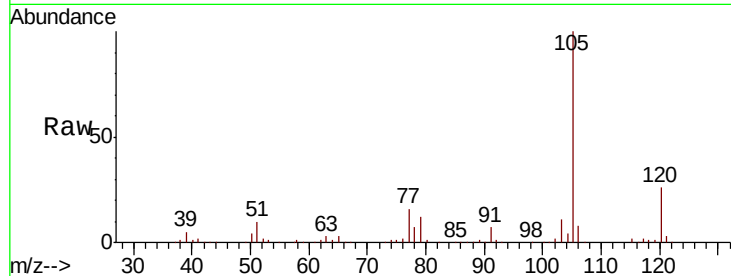
Tgt Ion: 105 Resp: 337060

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

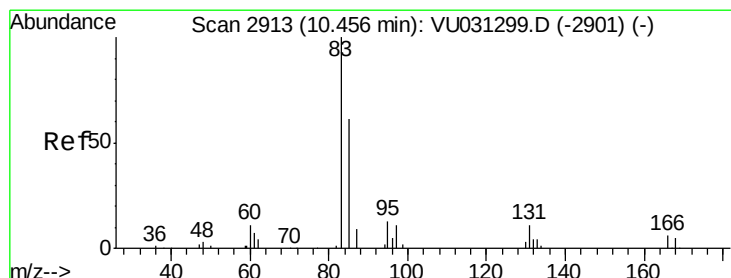
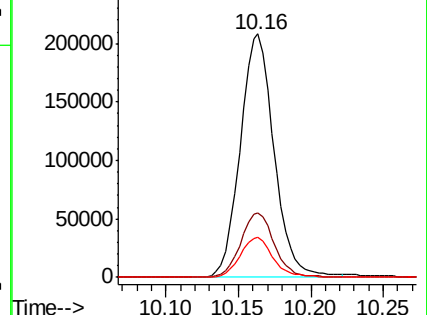
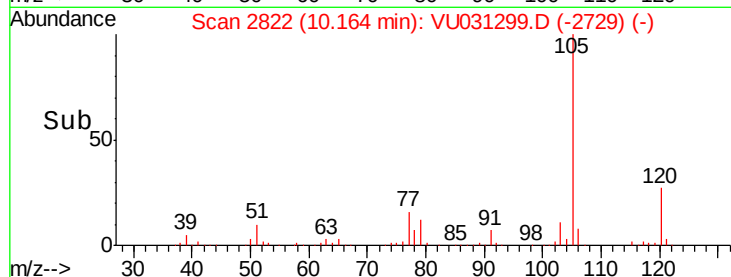
77 16.1 12.9 19.3



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: 4.804 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

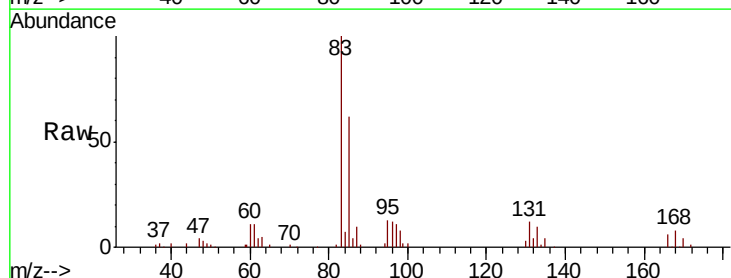
Tgt Ion: 83 Resp: 79523

Ion Ratio Lower Upper

83 100

85 61.6 43.1 80.1

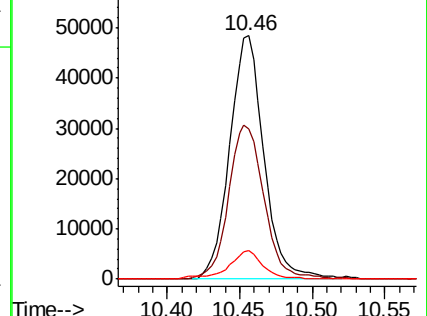
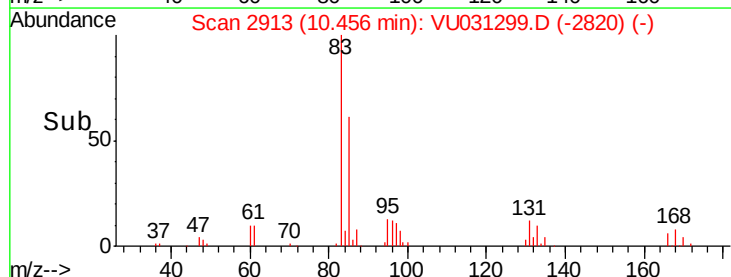
131 11.8 9.4 14.2

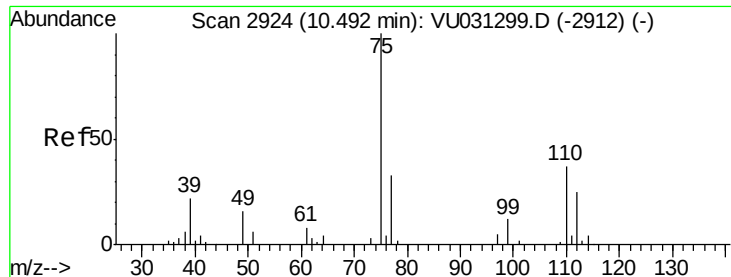


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

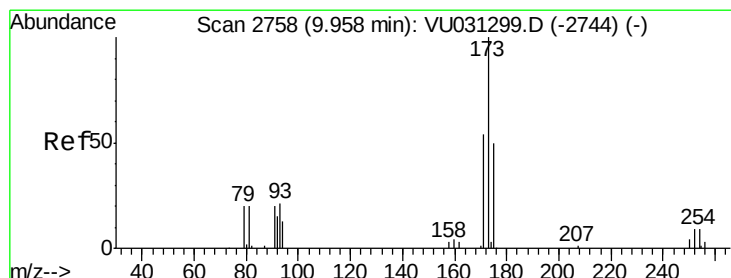
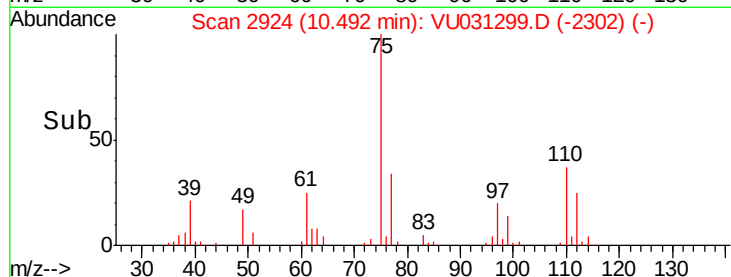
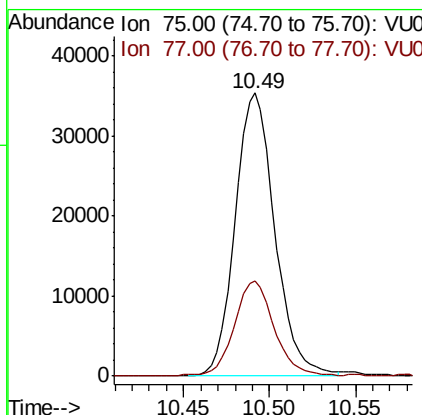
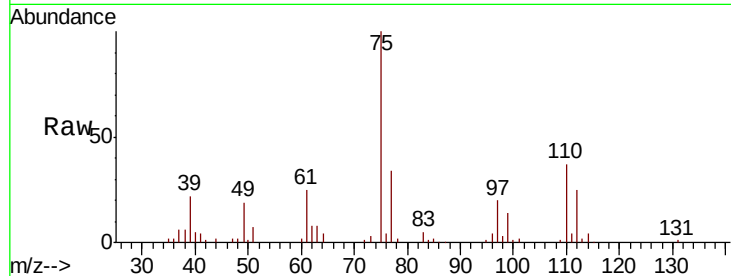




#59
 1,2,3-Trichloropropane
 Concen: 4.798 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

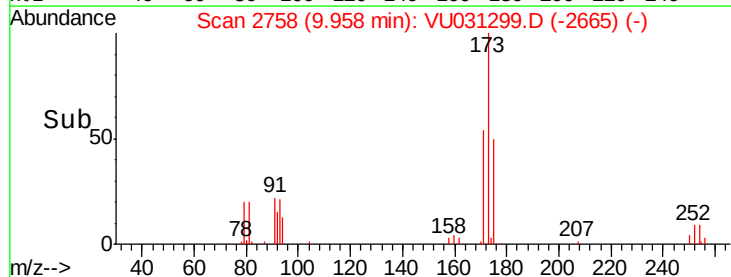
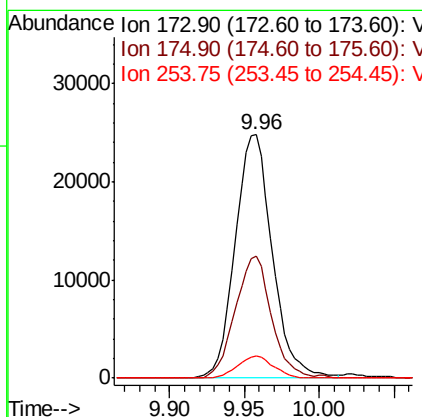
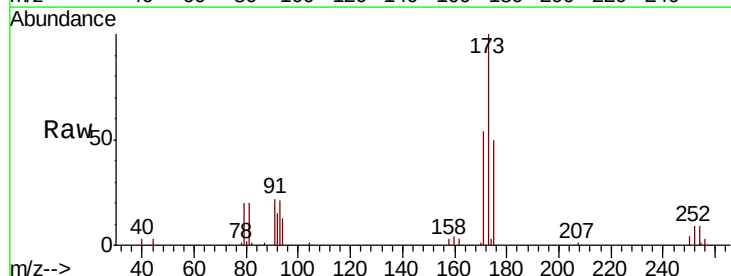
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

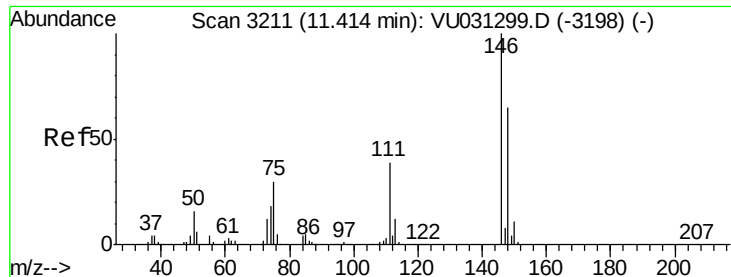
Tgt Ion: 75 Resp: 56910
 Ion Ratio Lower Upper
 75 100
 77 33.8 27.0 40.6



#61
 Bromoform
 Concen: 4.753 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Tgt Ion: 173 Resp: 42932
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.2 58.8
 254 8.8 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 4.928 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

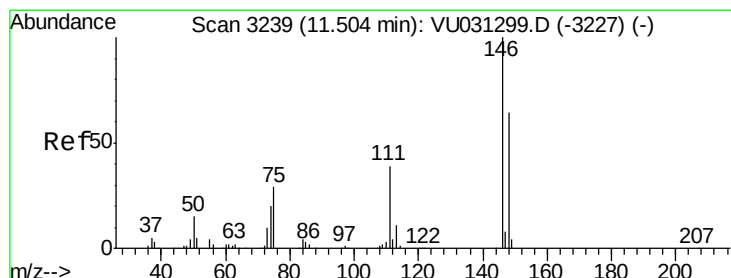
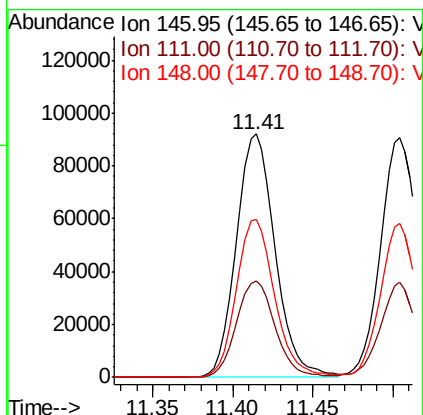
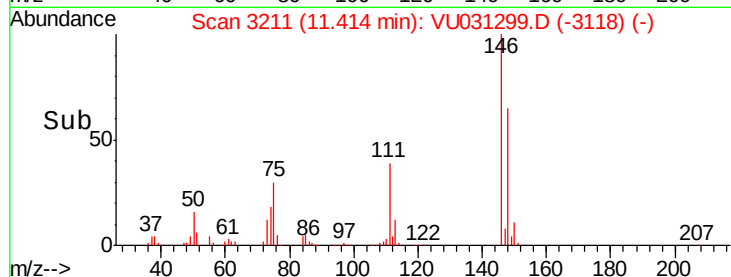
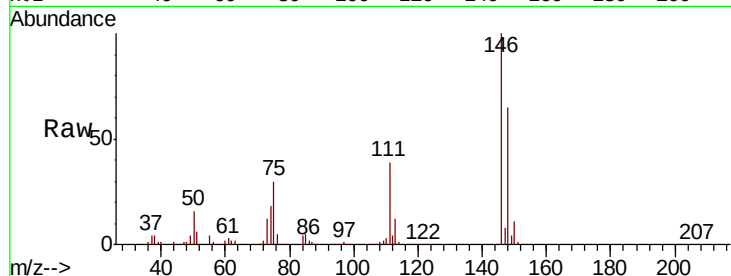
Tgt Ion:146 Resp: 152257

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

148 64.9 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 4.934 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

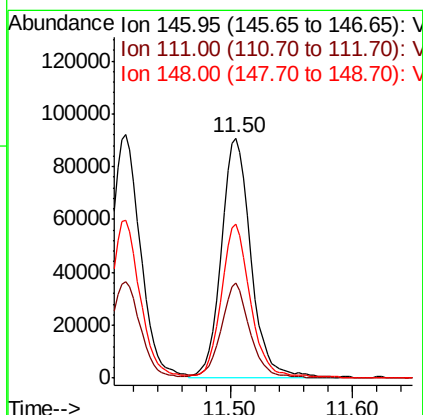
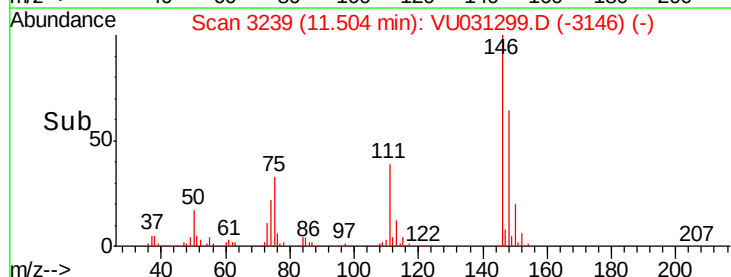
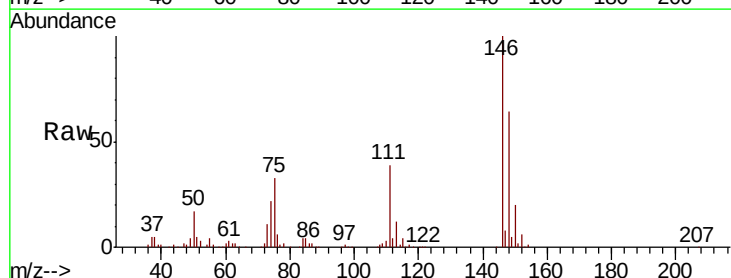
Tgt Ion:146 Resp: 153609

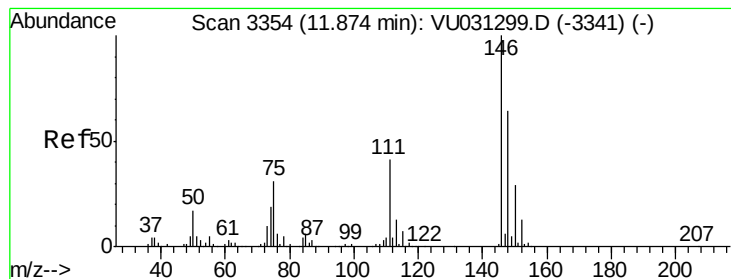
Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

148 64.2 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

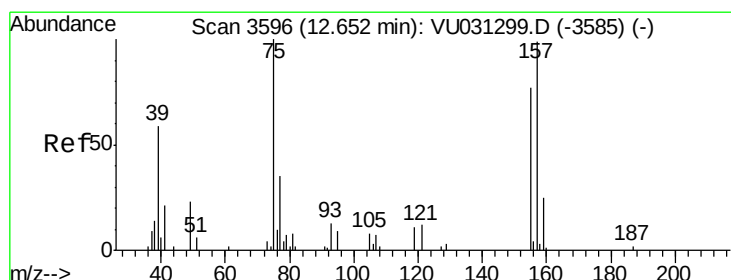
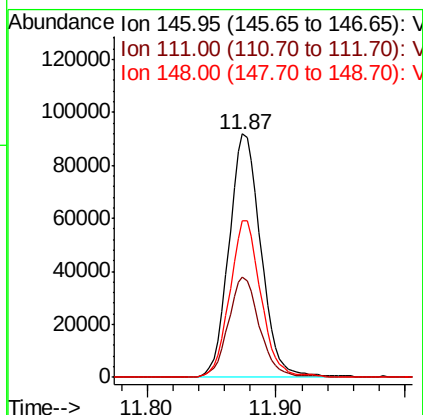
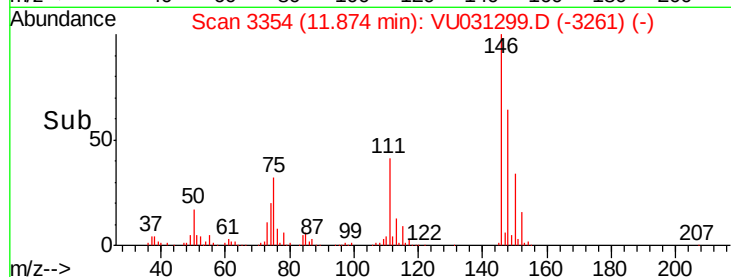
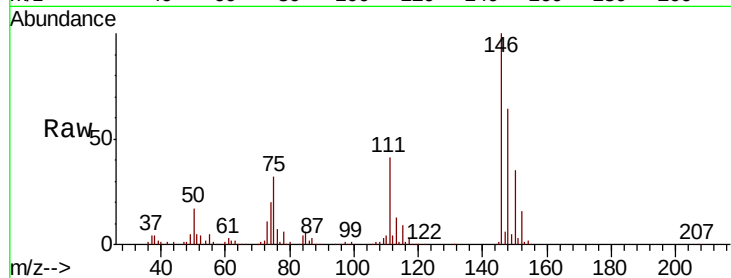
Tgt Ion:146 Resp: 157246

Ion Ratio Lower Upper

146 100

111 41.3 33.0 49.6

148 64.3 51.4 77.2



#66

1,2-Dibromo-3-chloropropane

Concen: 5.208 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

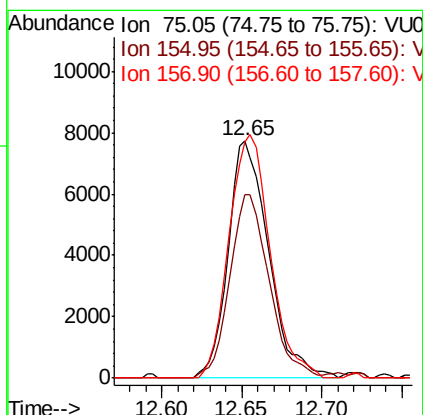
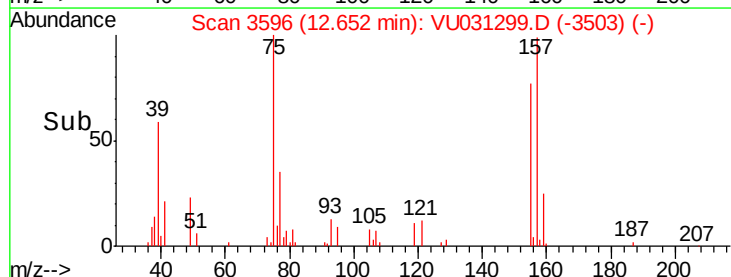
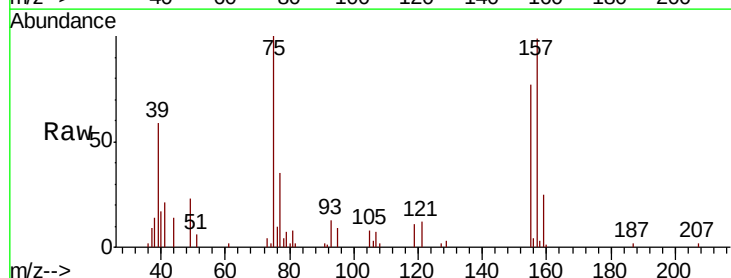
Tgt Ion: 75 Resp: 13331

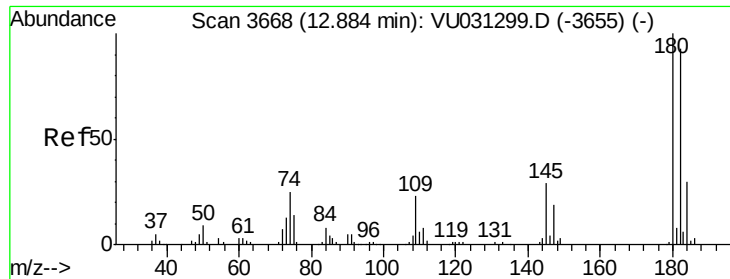
Ion Ratio Lower Upper

75 100

155 77.2 61.8 92.6

157 99.2 79.4 119.0

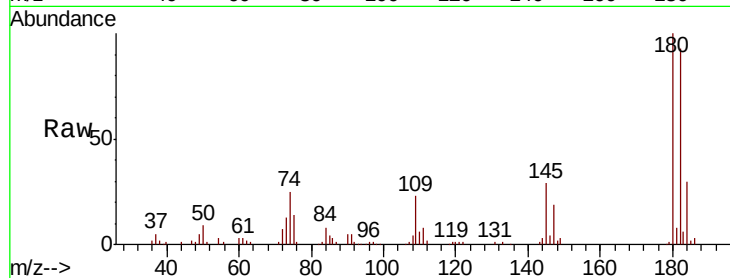




#67
 1,3,5-Trichlorobenzene
 Concen: 4.723 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	29.9	23.9	35.9
145	29.1	23.3	34.9



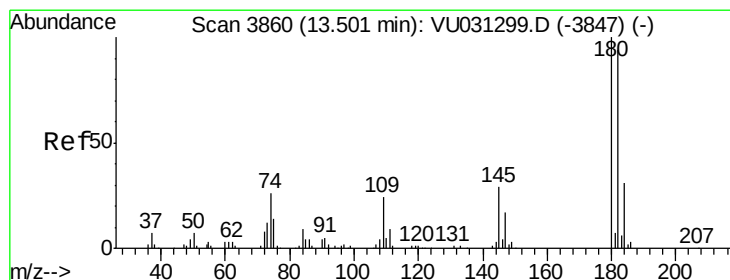
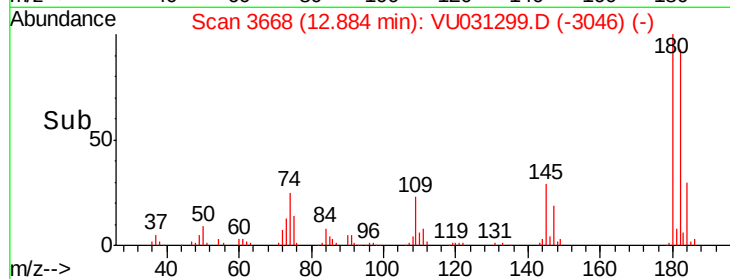
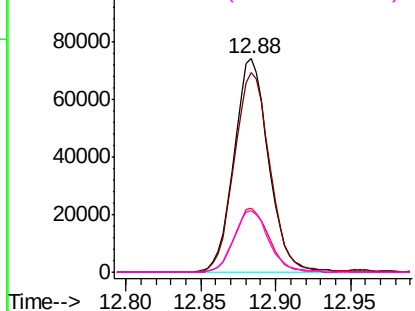
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

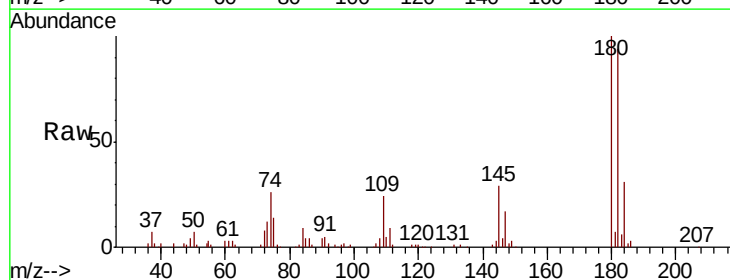
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.136 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031299.D
 Acq: 18 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.2	112.8
145	28.4	22.7	34.1

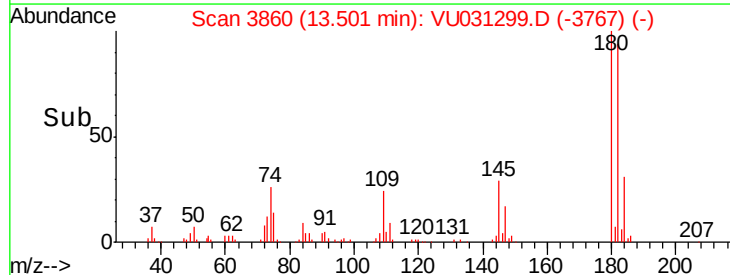
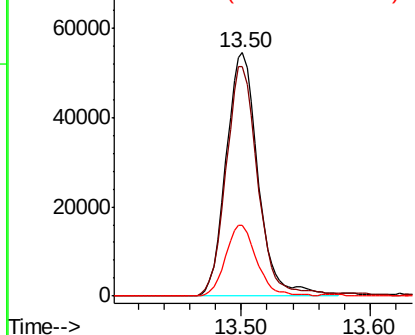


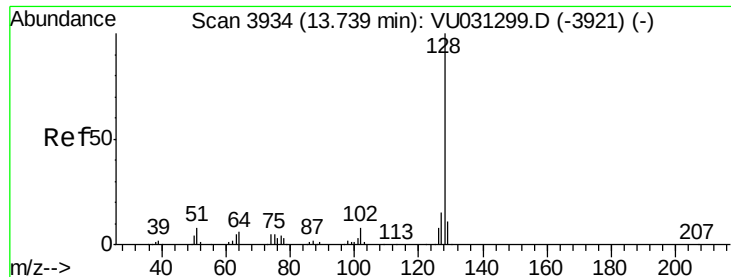
Abundance

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: 4.929 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

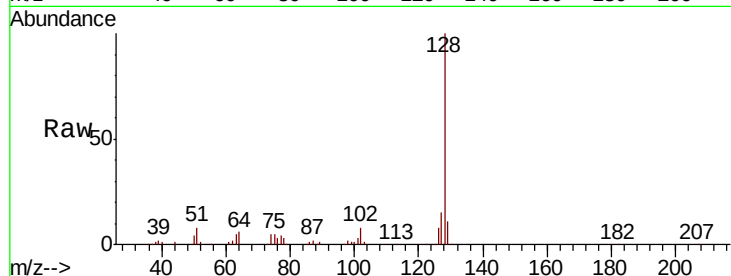
Tgt Ion:128 Resp: 157486

Ion Ratio Lower Upper

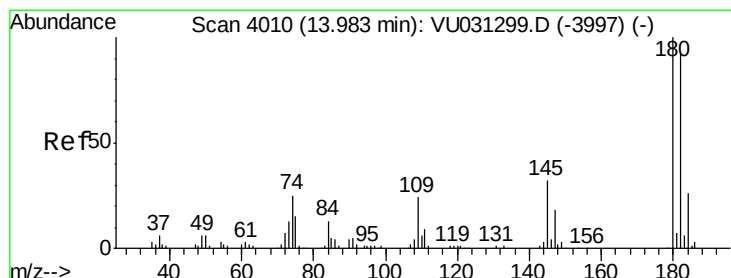
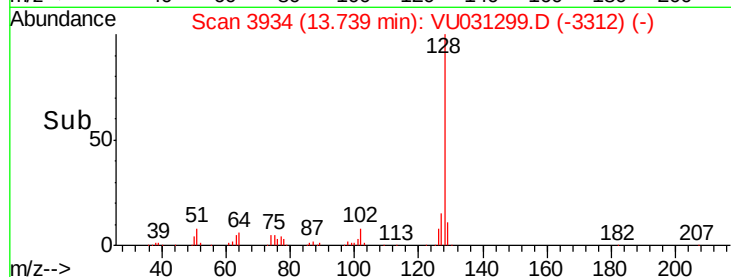
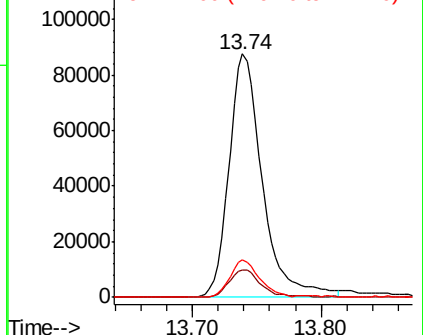
128 100

129 11.0 8.8 13.2

127 13.5 10.8 16.2



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: 5.794 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031299.D

Acq: 18 Apr 2019 11:22

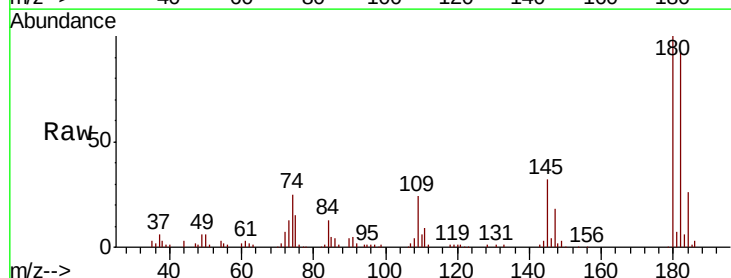
Tgt Ion:180 Resp: 109836

Ion Ratio Lower Upper

180 100

182 92.9 74.3 111.5

145 31.6 25.3 37.9



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

