

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031302.D
 Acq On : 18 Apr 2019 13:08
 Operator : JC/SP
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV08

Quant Time: Apr 19 04:29:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 04:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	222451	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	214985	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97765	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	120375	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.68	69	93598	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.27	63	233504	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	4.21	46	229182	47.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.60%
24) Chloroform-d	4.64	84	149352	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.31	65	77793	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.33	84	285816	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.33	67	89275	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.56	98	258949	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.85	79	37140	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.31	63	172838	49.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	75814	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	89815	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	111616	4.362	ug/L 98
3) Chloromethane	1.32	50	162099	4.681	ug/L 100
5) Vinyl chloride	1.40	62	170306	4.828	ug/L 99
6) Bromomethane	1.63	94	92948	4.754	ug/L 98
8) Chloroethane	1.70	64	96237	4.783	ug/L 100
9) Trichlorofluoromethane	1.88	101	205103	4.623	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	115988	4.838	ug/L 96
12) 1,1-Dichloroethene	2.28	96	111416	4.667	ug/L 95
13) Acetone	2.35	43	239001	44.807	ug/L 100
14) Carbon disulfide	2.47	76	375986	4.716	ug/L 99
15) Methyl Acetate	2.62	43	67282	4.615	ug/L 99
16) Methylene chloride	2.70	84	123692	4.266	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	302740	4.733	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	120255	4.774	ug/L 98
19) 1,1-Dichloroethane	3.44	63	158970	4.523	ug/L 96
21) 2-Butanone	4.29	43	251812	45.934	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	88669	4.553	ug/L 83

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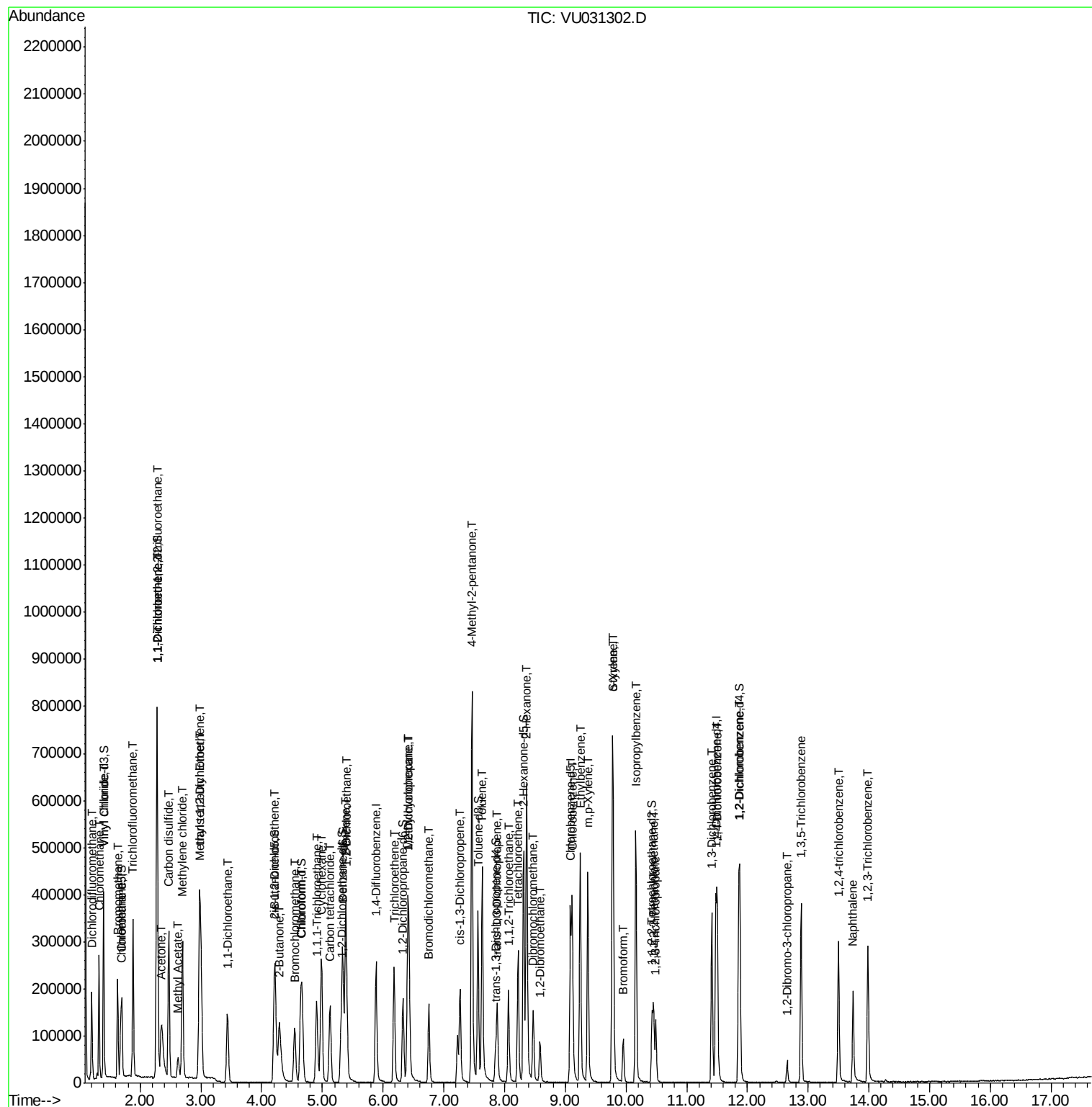
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	41006	4.725	ug/L	97
25) Chloroform	4.67	83	158714	4.584	ug/L	97
27) 1,2-Dichloroethane	5.40	62	99287	4.447	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	136517	4.703	ug/L	98
30) Cyclohexane	4.99	56	137263	4.641	ug/L	99
31) Carbon tetrachloride	5.13	117	120587	4.651	ug/L	95
33) Benzene	5.39	78	332497	4.557	ug/L	100
34) Trichloroethene	6.18	95	89875	4.557	ug/L	98
35) Methylcyclohexane	6.41	83	125903	4.635	ug/L	99
37) 1,2-Dichloropropane	6.43	63	87625	4.555	ug/L	98
38) Bromodichloromethane	6.76	83	115765	4.823	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	125099	4.872	ug/L	94
40) 4-Methyl-2-pentanone	7.46	43	585047	47.363	ug/L	99
42) Toluene	7.63	91	356691	4.848	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	98344	4.632	ug/L	96
45) 1,1,2-Trichloroethane	8.06	97	62316	4.547	ug/L	96
47) Tetrachloroethene	8.22	164	70035	4.765	ug/L	98
48) 2-Hexanone	8.36	43	421637	48.095	ug/L	99
49) Dibromochloromethane	8.47	129	77895	4.750	ug/L	97
50) 1,2-Dibromoethane	8.58	107	59559	4.588	ug/L	93
51) Chlorobenzene	9.12	112	215361	4.675	ug/L	98
52) Ethylbenzene	9.25	91	362988	4.776	ug/L	97
53) m,p-Xylene	9.37	106	133682	4.896	ug/L	100
54) o-Xylene	9.78	106	131230	4.877	ug/L	98
55) Styrene	9.79	104	224093	5.014	ug/L	100
56) Isopropylbenzene	10.16	105	345988	4.898	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	80304	4.583	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	56340	4.488	ug/L	97
61) Bromoform	9.95	173	44363	4.720	ug/L	95
62) 1,3-Dichlorobenzene	11.41	146	155505	4.837	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	158340	4.888	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	155440	4.750	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	12880	4.835	ug/L	87
67) 1,3,5-Trichlorobenzene	12.88	180	125189	4.740	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	98769	5.186	ug/L	100
69) Naphthalene	13.74	128	167761	4.487	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	98509	4.993	ug/L	96

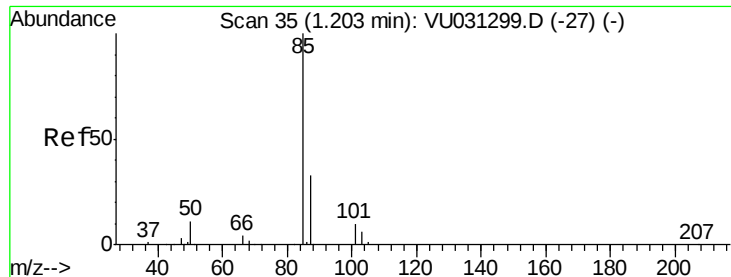
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.362 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

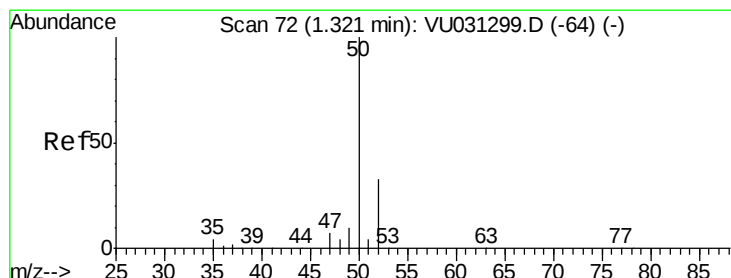
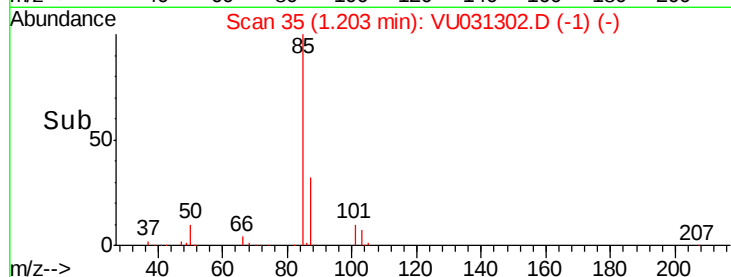
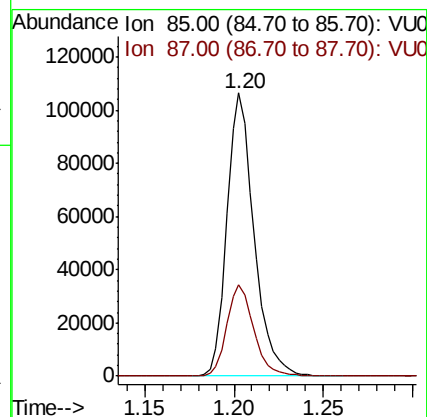
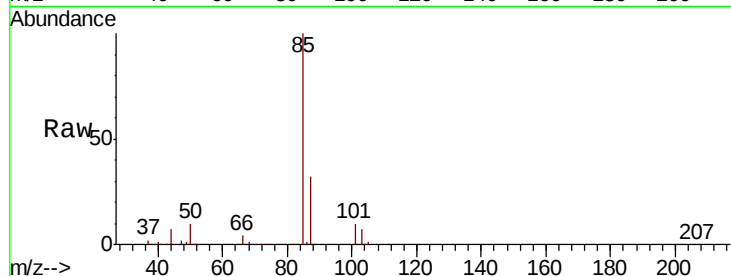
VICV08

Tgt Ion: 85 Resp: 111616

Ion Ratio Lower Upper

85 100

87 32.3 26.8 40.2



#3

Chloromethane

Concen: 4.681 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031302.D

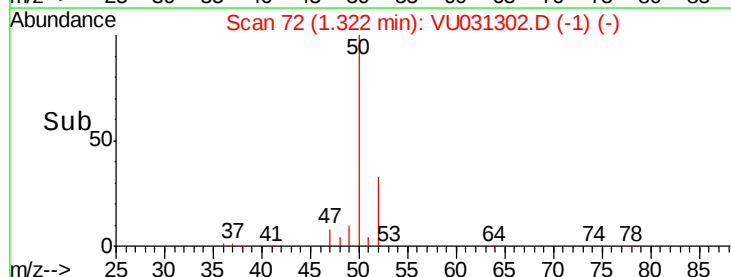
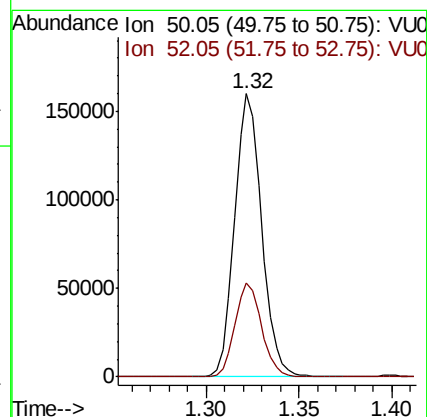
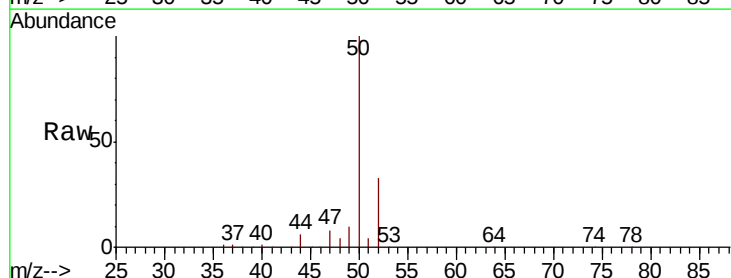
Acq: 18 Apr 2019 13:08

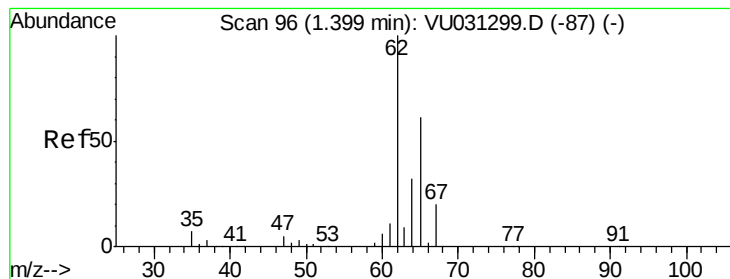
Tgt Ion: 50 Resp: 162099

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2





#5

Vinyl chloride

Concen: 4.828 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

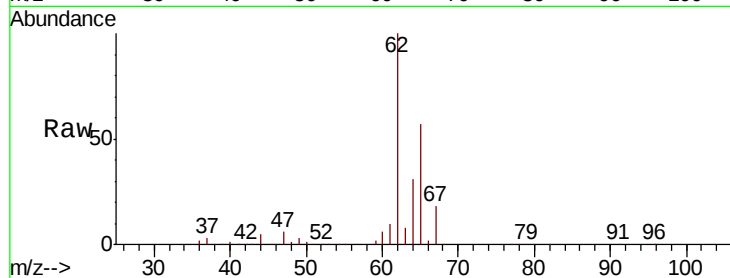
VICV08

Tgt Ion: 62 Resp: 170306

Ion Ratio Lower Upper

62 100

64 31.3 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

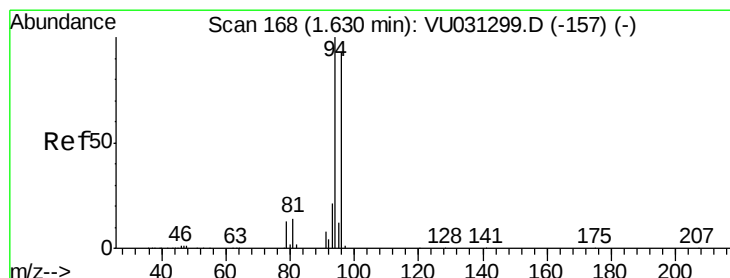
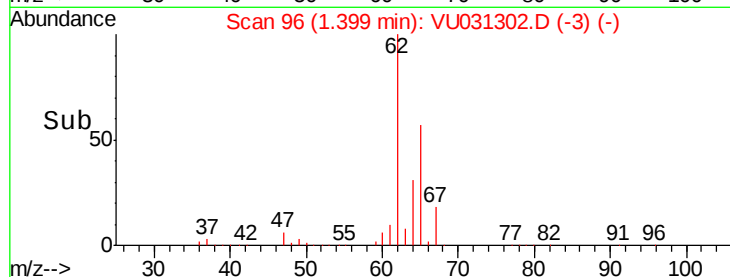
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.754 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031302.D

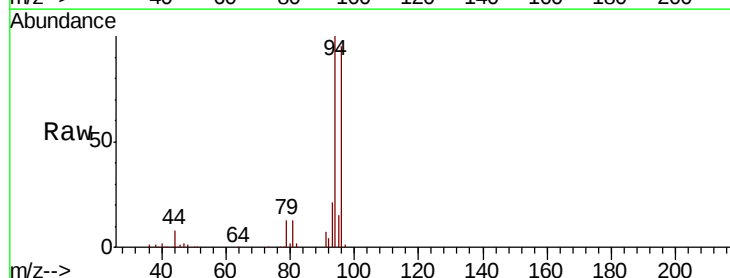
Acq: 18 Apr 2019 13:08

Tgt Ion: 94 Resp: 92948

Ion Ratio Lower Upper

94 100

96 94.9 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

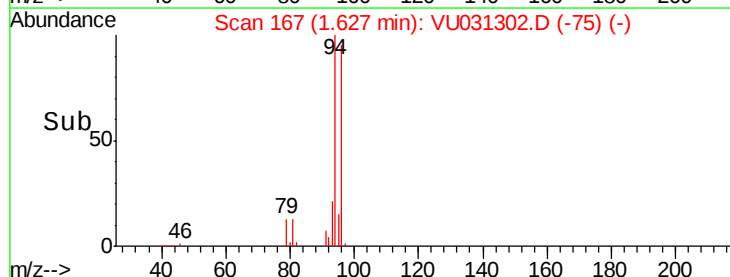
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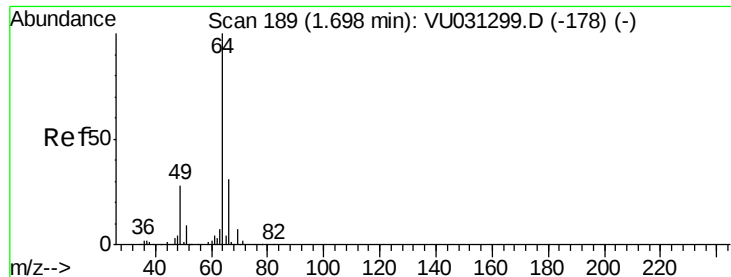
40000

20000

0

Time-->





#8

Chloroethane

Concen: 4.783 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

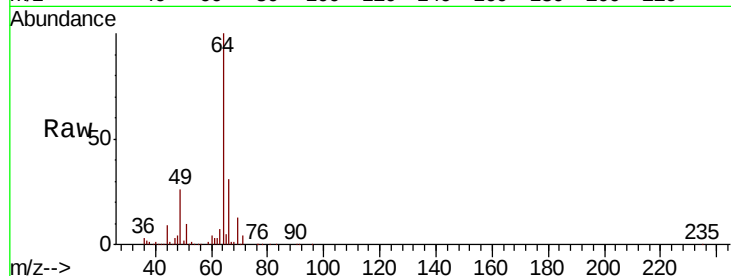
VICV08

Tgt Ion: 64 Resp: 96237

Ion Ratio Lower Upper

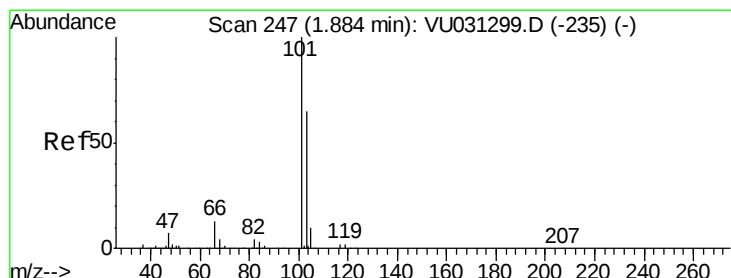
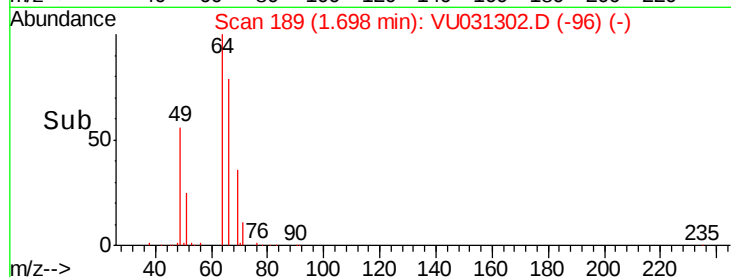
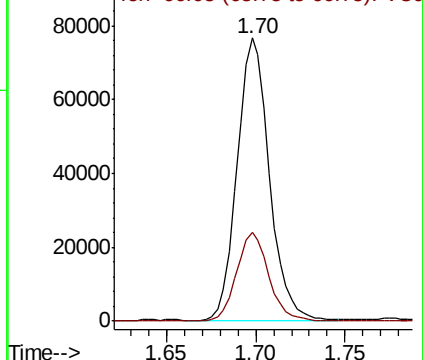
64 100

66 31.4 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 4.623 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031302.D

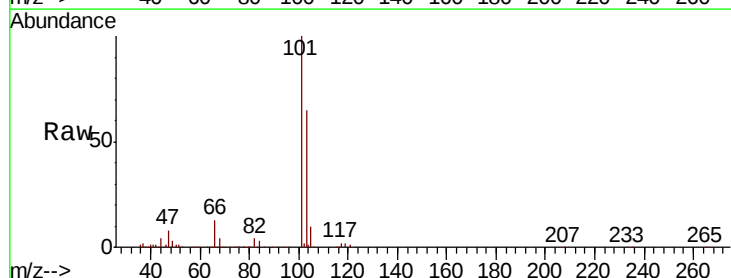
Acq: 18 Apr 2019 13:08

Tgt Ion: 101 Resp: 205103

Ion Ratio Lower Upper

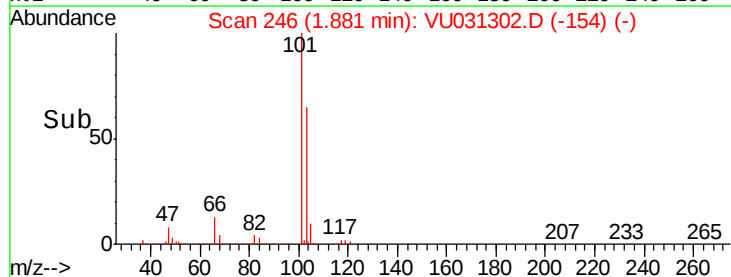
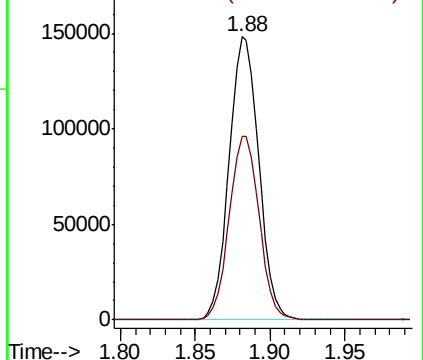
101 100

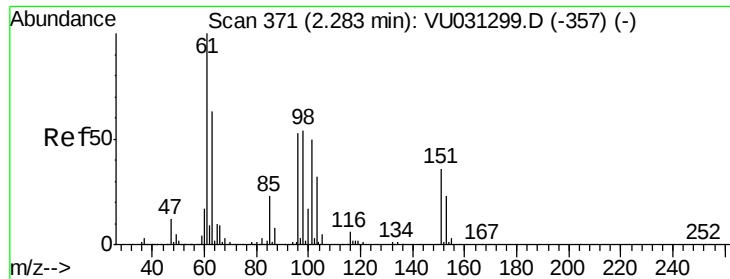
103 65.5 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.838 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

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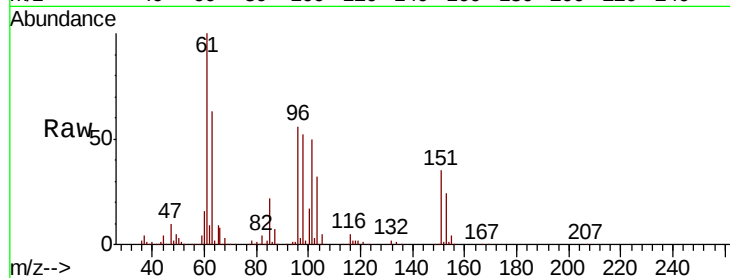
Tgt Ion:101 Resp: 115988

Ion Ratio Lower Upper

101 100

85 43.8 37.2 55.8

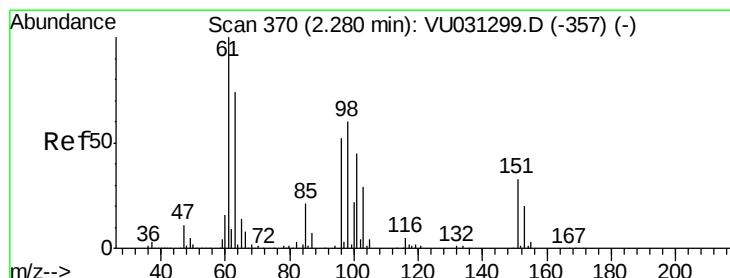
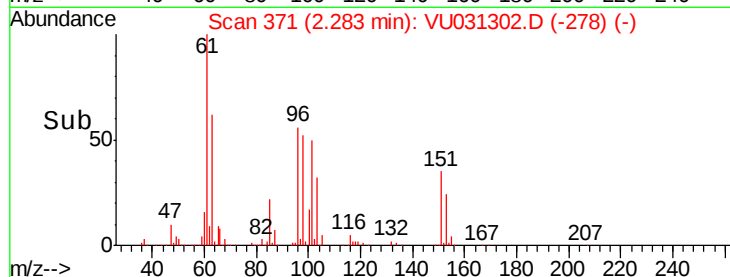
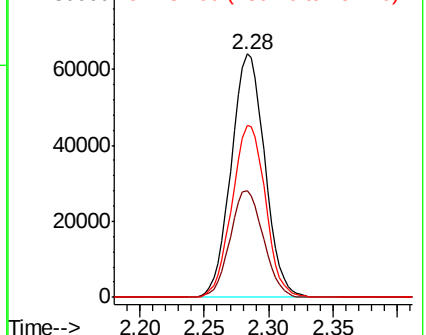
151 70.4 58.9 88.3



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: 4.667 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

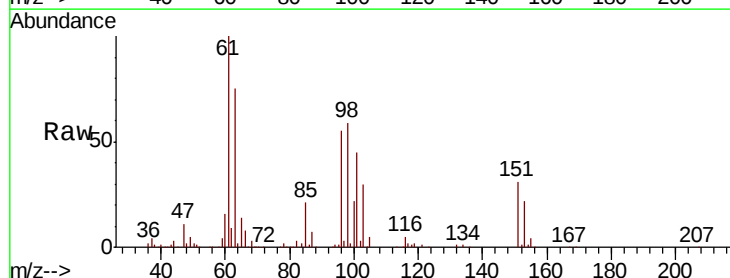
Tgt Ion: 96 Resp: 111416

Ion Ratio Lower Upper

96 100

61 183.2 133.7 248.3

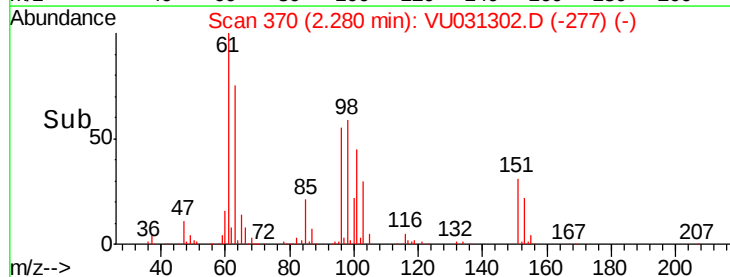
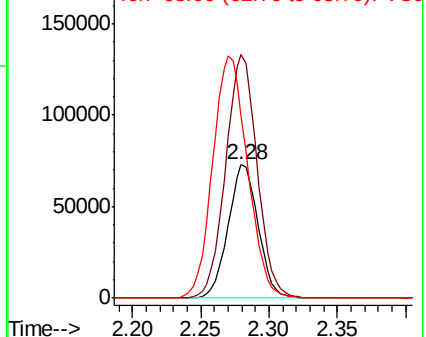
63 137.4 100.5 186.7

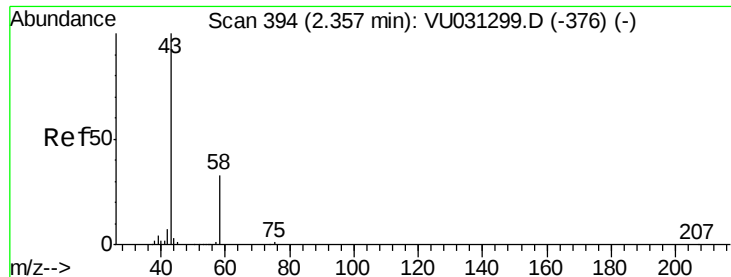


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.807 ug/L

RT: 2.35 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

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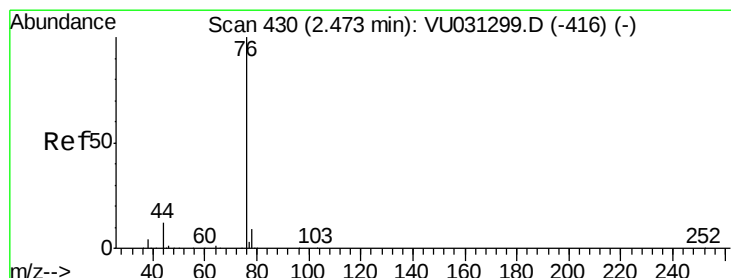
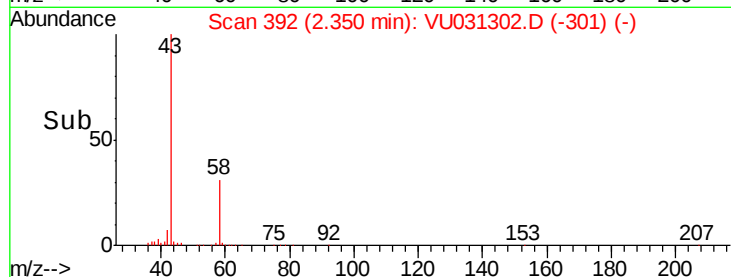
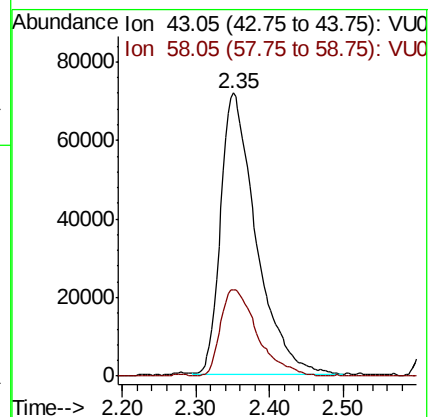
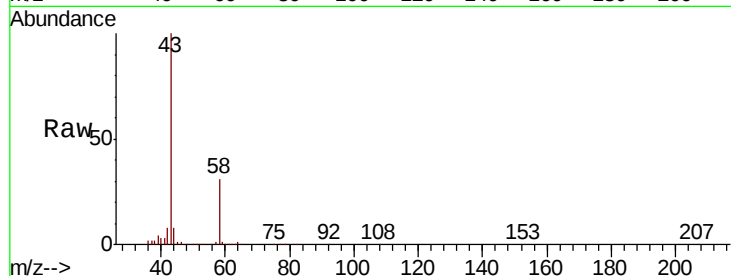
VICV08

Tgt Ion: 43 Resp: 239001

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.4



#14

Carbon disulfide

Concen: 4.716 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031302.D

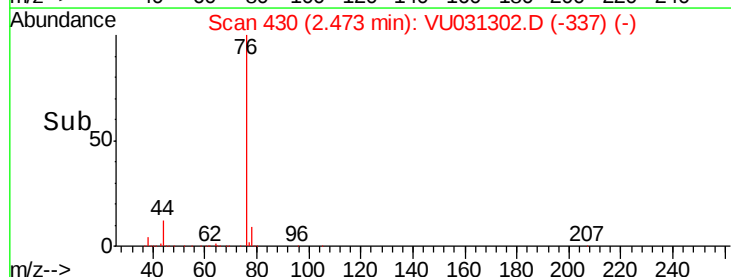
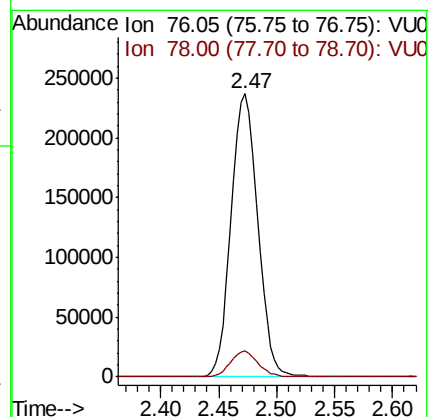
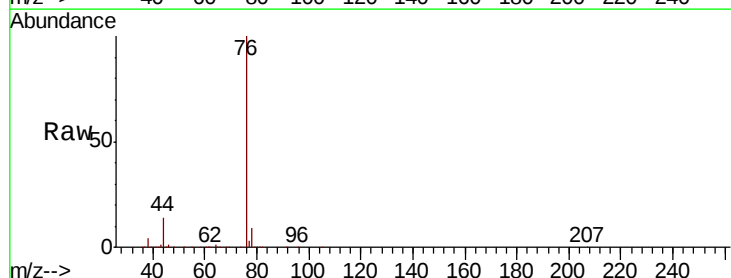
Acq: 18 Apr 2019 13:08

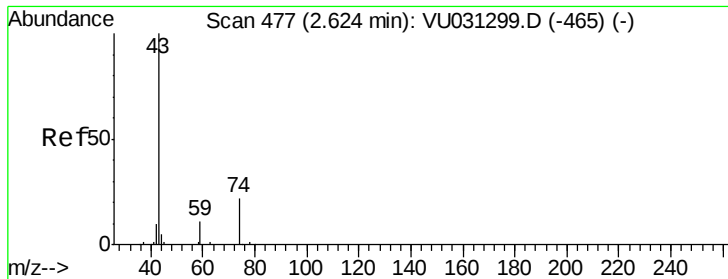
Tgt Ion: 76 Resp: 375986

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methyl Acetate

Concen: 4.615 ug/L

RT: 2.62 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

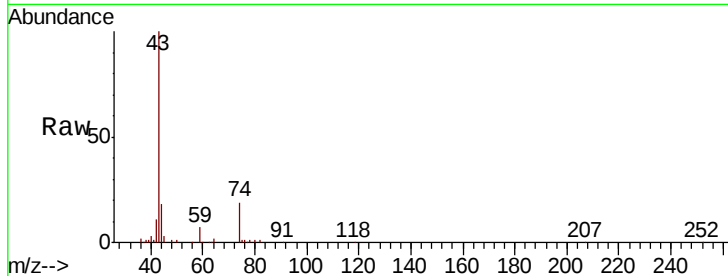
VICV08

Tgt Ion: 43 Resp: 67282

Ion Ratio Lower Upper

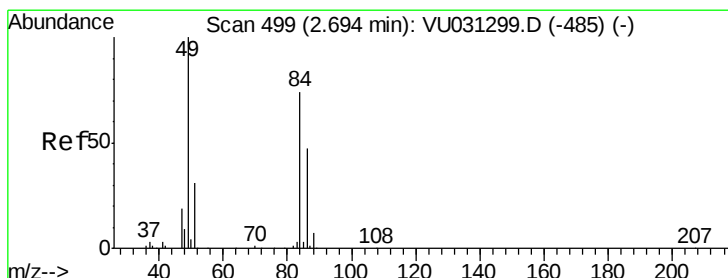
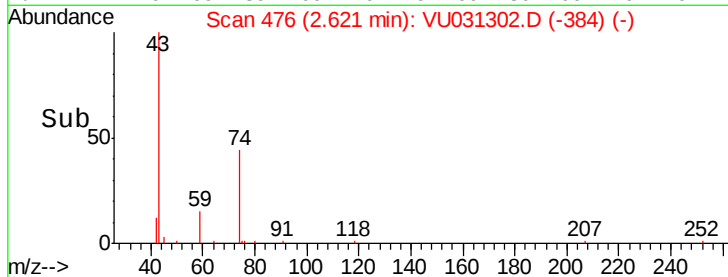
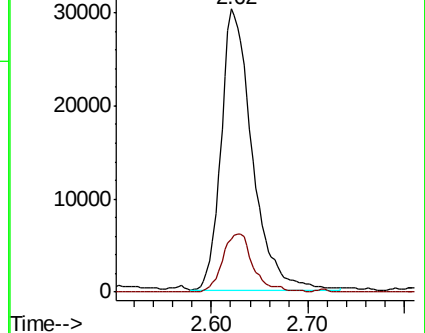
43 100

74 20.4 16.7 25.1



Abundance Ion 43.05 (42.75 to 43.75): VU031299.D (-465) (-)

Ion 74.05 (73.75 to 74.75): VU031299.D (-465) (-)



#16

Methylene chloride

Concen: 4.266 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

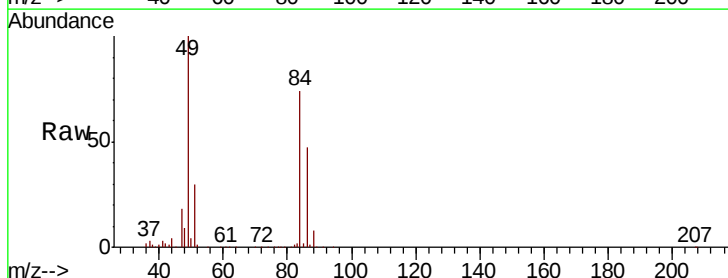
Tgt Ion: 84 Resp: 123692

Ion Ratio Lower Upper

84 100

86 62.6 44.1 81.9

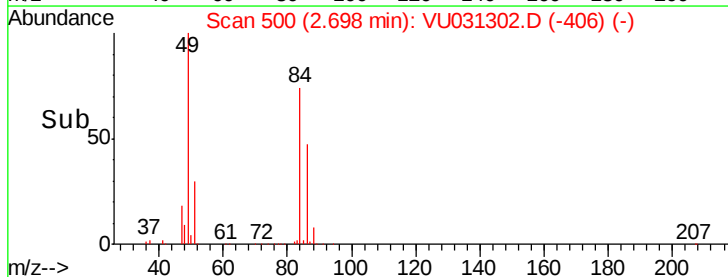
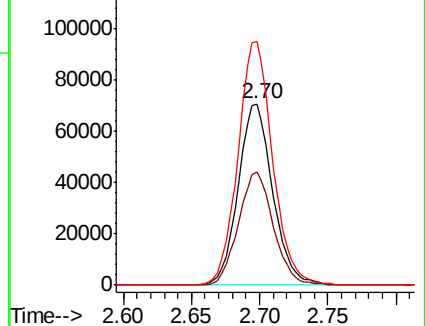
49 134.3 94.6 175.6

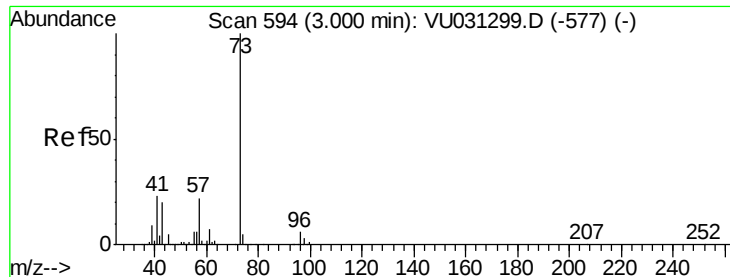


Abundance Ion 84.05 (83.75 to 84.75): VU031299.D (-485) (-)

Ion 86.00 (85.70 to 86.70): VU031299.D (-485) (-)

Ion 49.10 (48.80 to 49.80): VU031299.D (-485) (-)

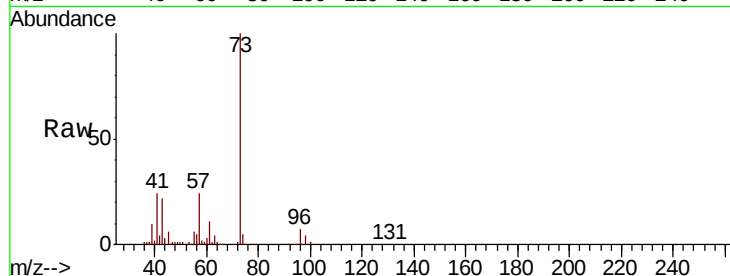




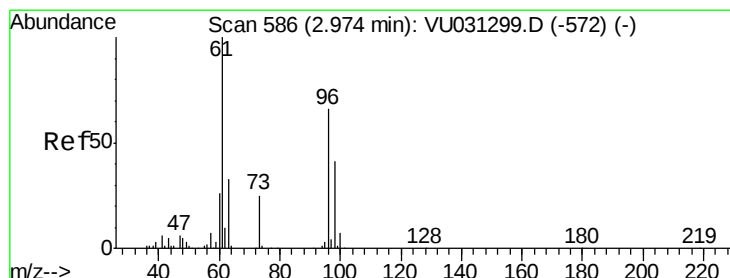
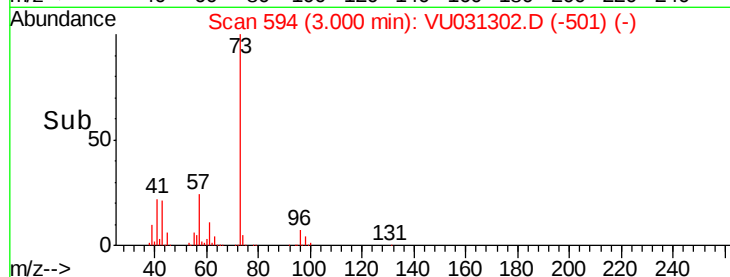
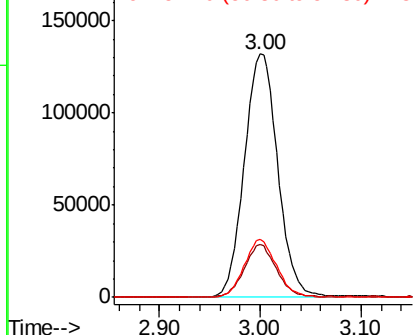
#17
Methyl tert-butyl Ether
Concen: 4.733 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

Instrument :
MSVOA_U
ClientSampleId :
VICV08

Tgt Ion: 73 Resp: 302740
Ion Ratio Lower Upper
73 100
43 20.4 16.3 24.5
57 23.0 18.8 28.2

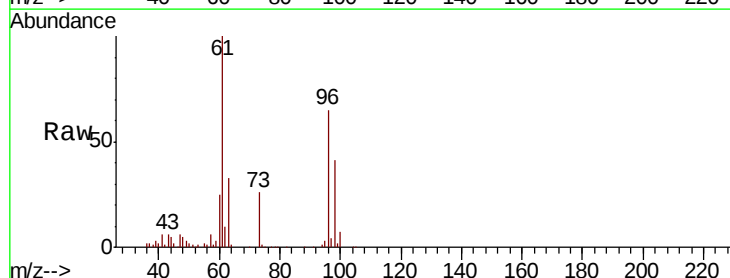


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

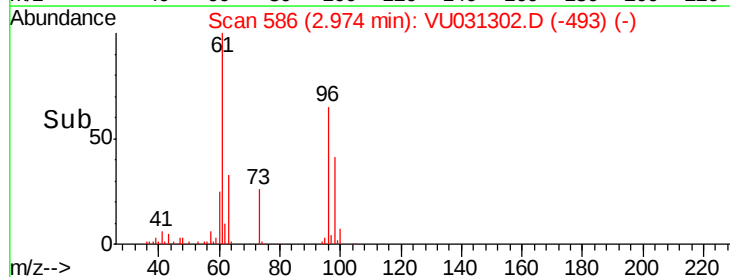
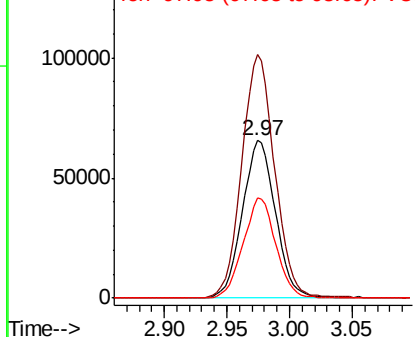


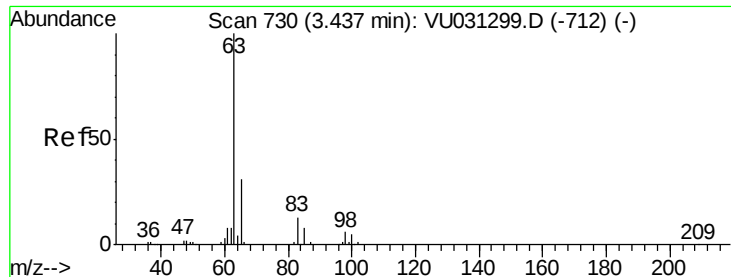
#18
trans-1,2-Dichloroethene
Concen: 4.774 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

Tgt Ion: 96 Resp: 120255
Ion Ratio Lower Upper
96 100
61 154.3 106.5 197.7
98 63.2 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

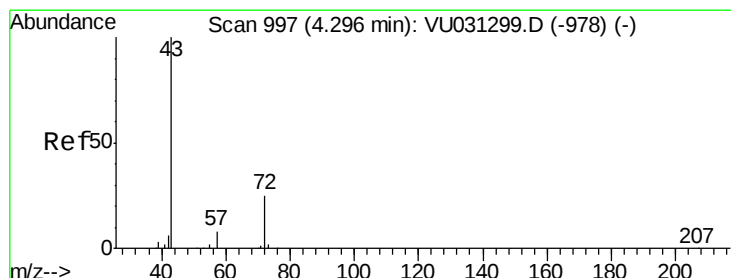
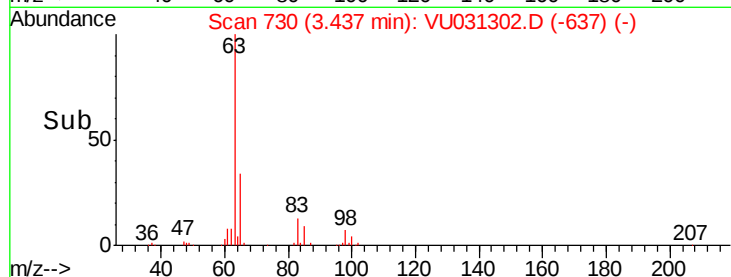
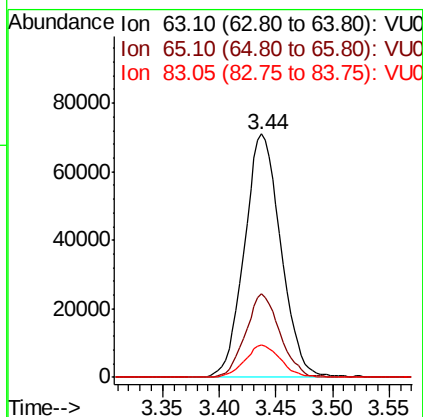
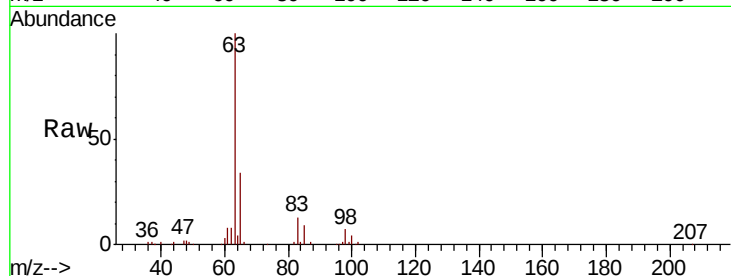




#19
 1,1-Dichloroethane
 Concen: 4.523 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

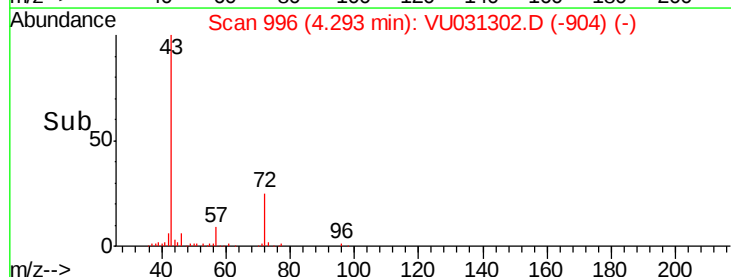
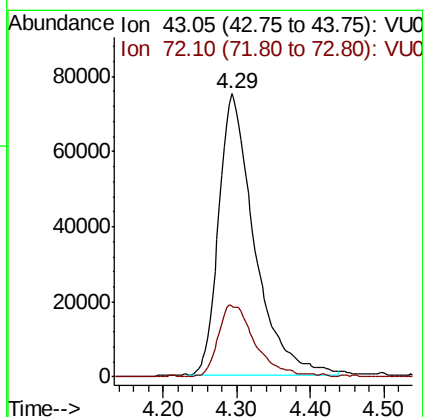
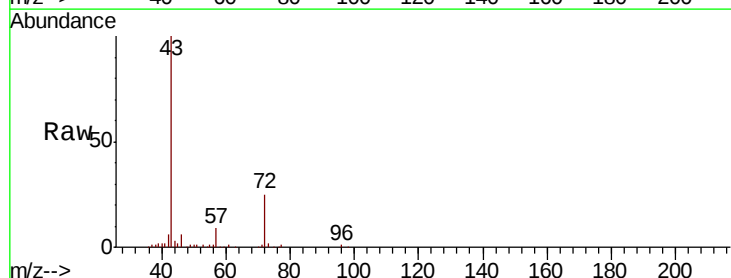
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV08

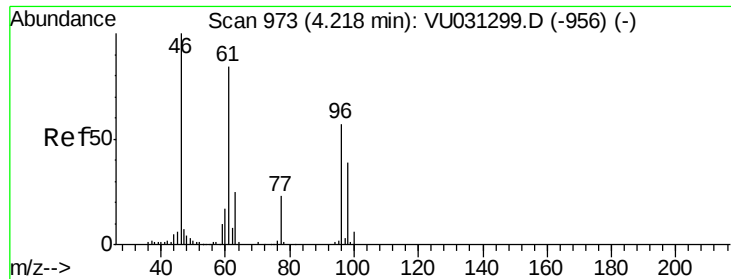
Tgt Ion: 63 Resp: 158970
 Ion Ratio Lower Upper
 63 100
 65 34.4 22.0 41.0
 83 13.2 9.2 17.2



#21
 2-Butanone
 Concen: 45.934 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Tgt Ion: 43 Resp: 251812
 Ion Ratio Lower Upper
 43 100
 72 25.5 11.8 35.4



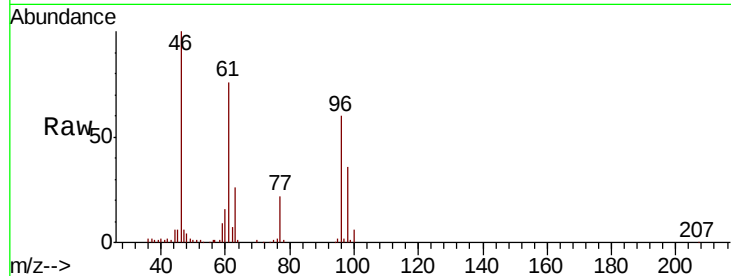


#22

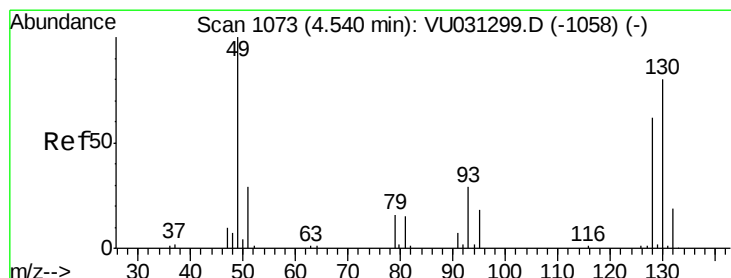
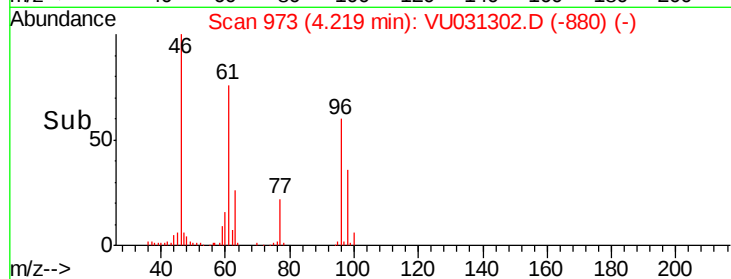
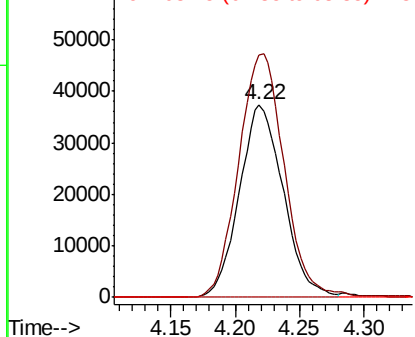
cis-1,2-Dichloroethene
 Concen: 4.553 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV08

Tgt Ion: 96 Resp: 88669
 Ion Ratio Lower Upper
 96 100
 61 126.1 103.5 192.1
 68 0.0 0.0 0.0



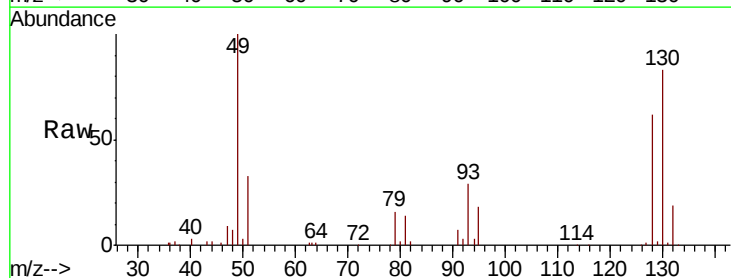
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



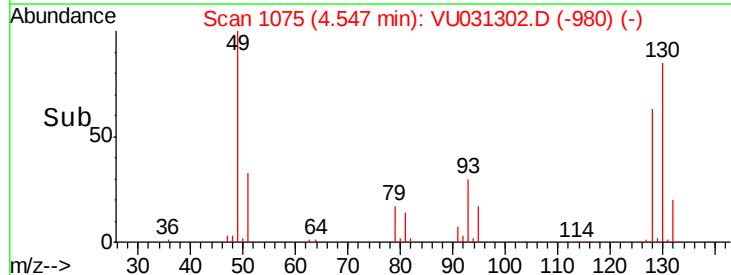
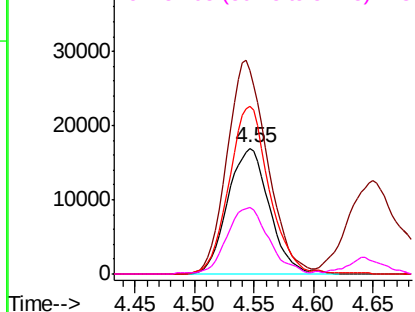
#23

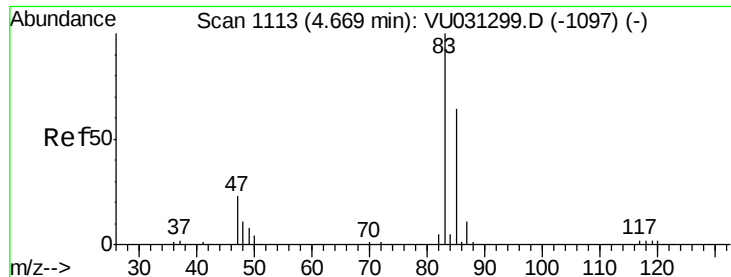
Bromochloromethane
 Concen: 4.725 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Tgt Ion: 128 Resp: 41006
 Ion Ratio Lower Upper
 128 100
 49 161.6 113.2 210.2
 130 133.6 90.1 167.3
 51 53.1 37.8 56.8



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

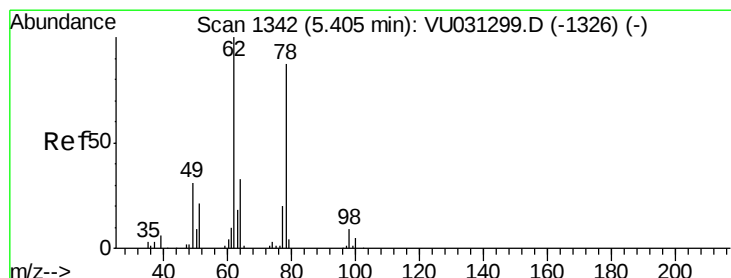
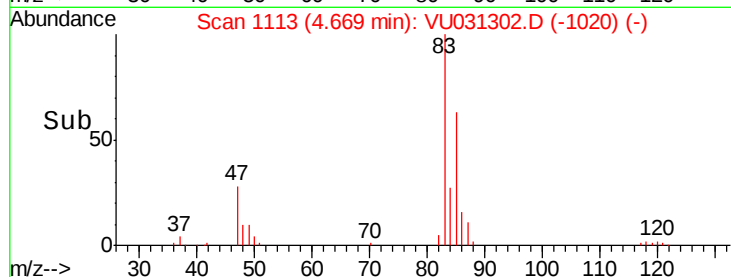
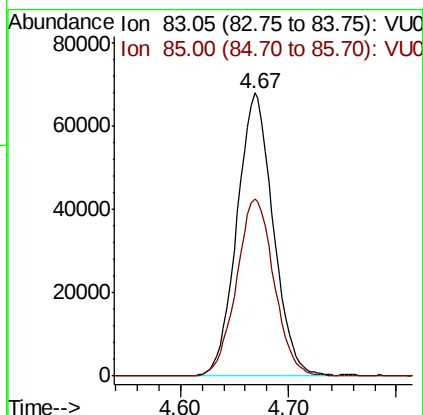
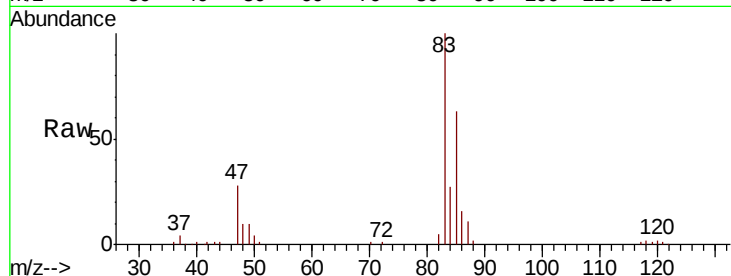




#25
Chloroform
Concen: 4.584 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

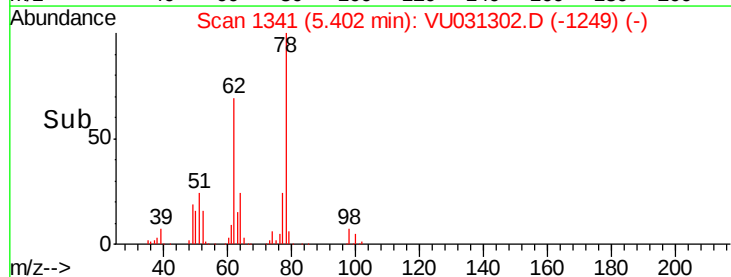
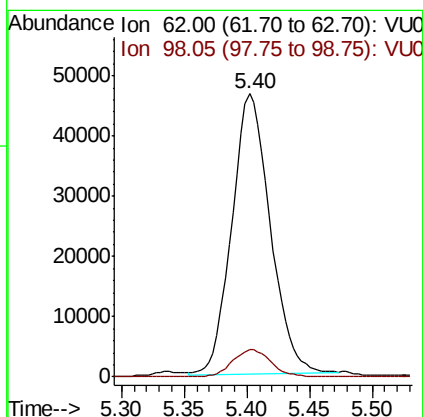
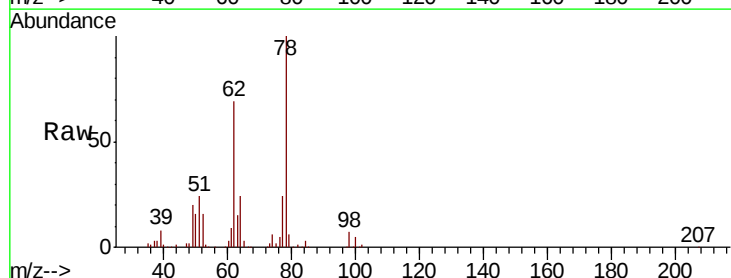
Instrument :
MSVOA_U
ClientSampleId :
VICV08

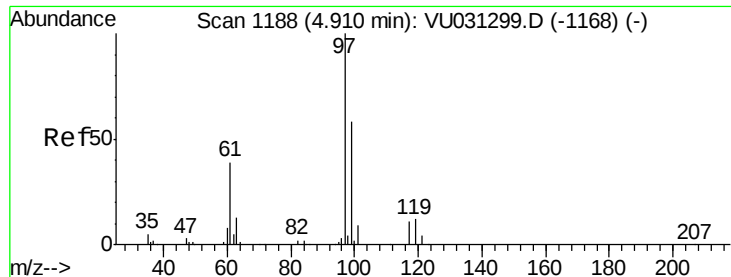
Tgt Ion: 83 Resp: 158714
Ion Ratio Lower Upper
83 100
85 62.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.447 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

Tgt Ion: 62 Resp: 99287
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0

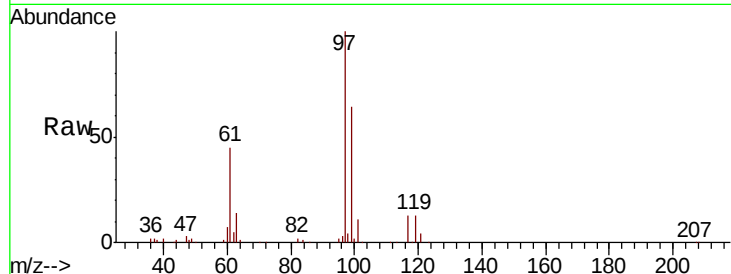




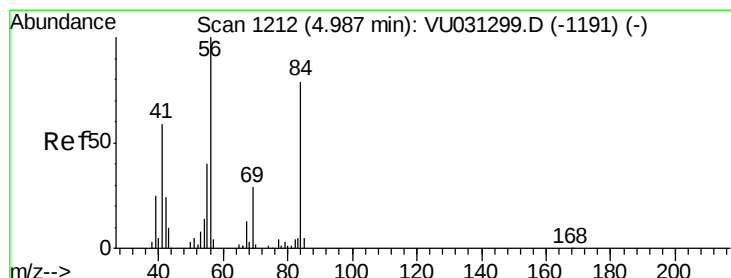
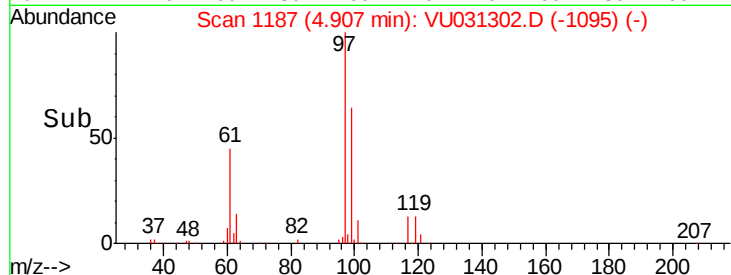
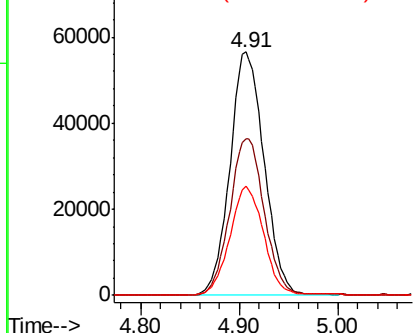
#29
 1,1,1-Trichloroethane
 Concen: 4.703 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.6	76.0
61	44.1	33.9	50.9

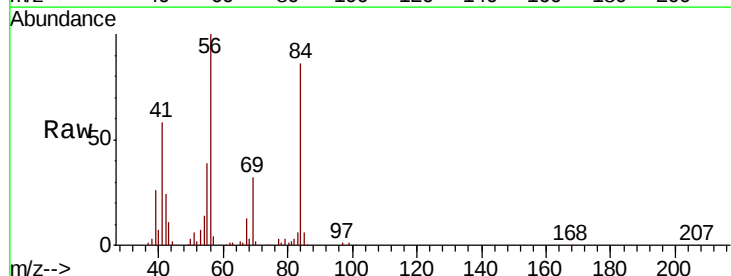


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

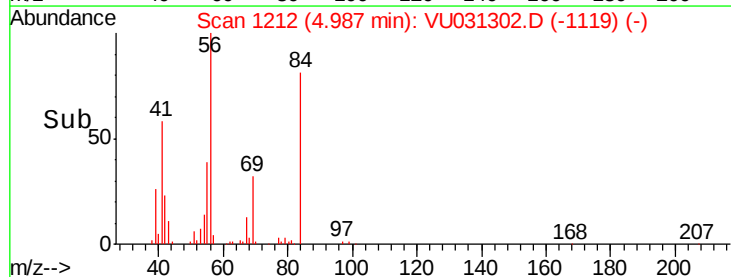
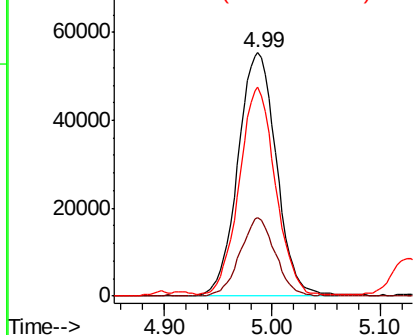


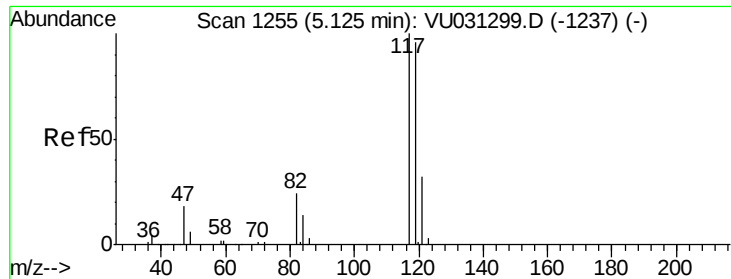
#30
 Cyclohexane
 Concen: 4.641 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.3	34.9
84	79.9	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

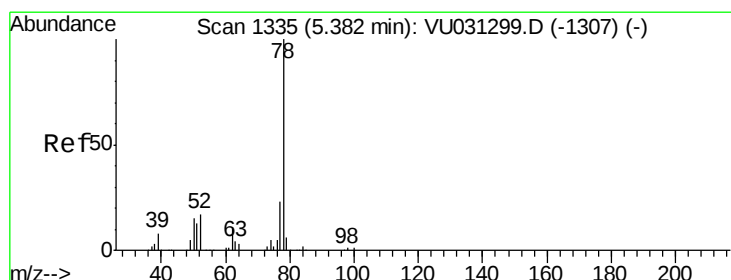
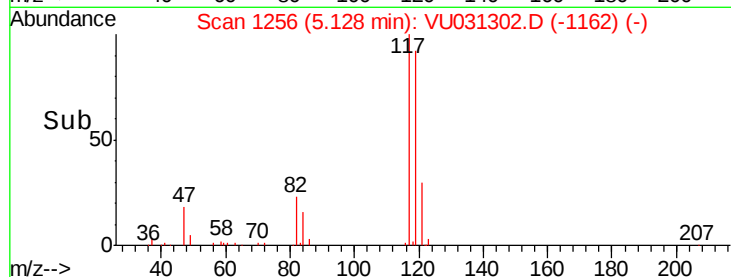
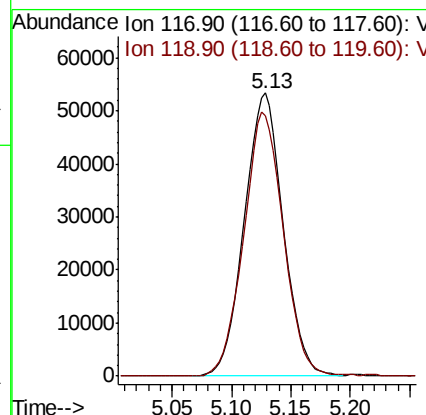
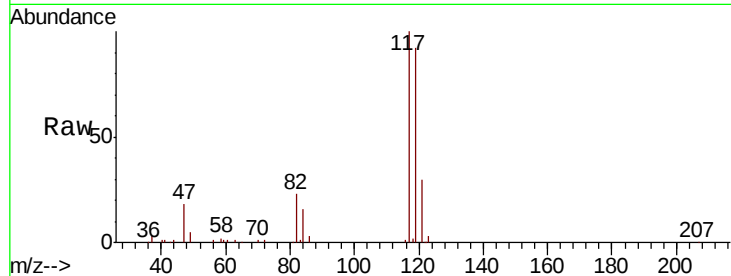




#31
Carbon tetrachloride
Concen: 4.651 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

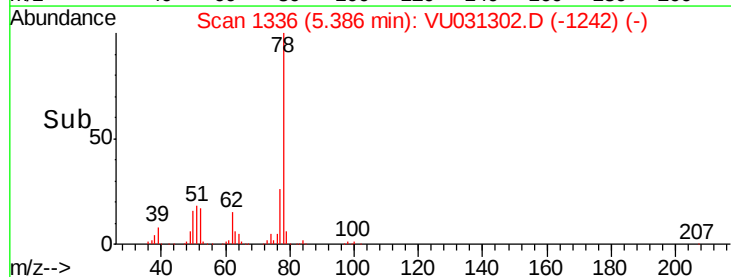
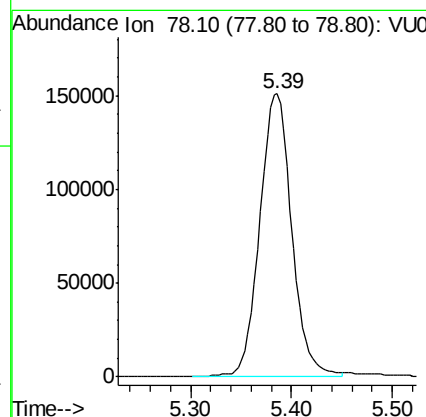
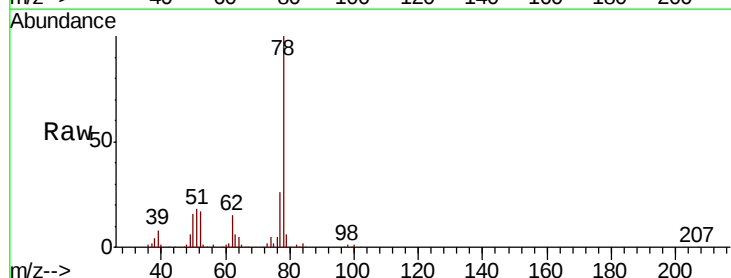
Instrument :
MSVOA_U
ClientSampleId :
VICV08

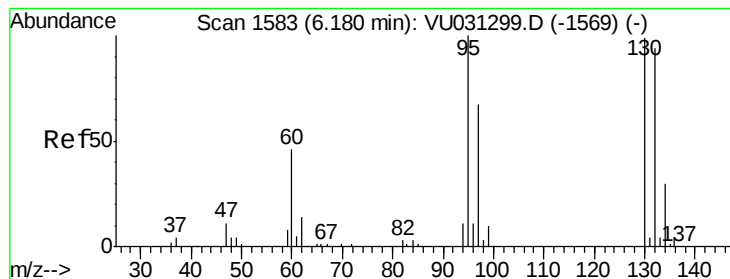
Tgt Ion:117 Resp: 120587
Ion Ratio Lower Upper
117 100
119 94.8 79.6 119.4



#33
Benzene
Concen: 4.557 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

Tgt Ion: 78 Resp: 332497





#34

Trichloroethene

Concen: 4.557 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

VICV08

Tgt Ion: 95 Resp: 89875

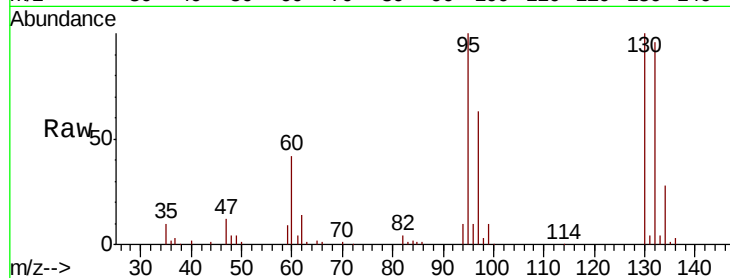
Ion Ratio Lower Upper

95 100

97 63.4 46.8 86.8

132 95.6 65.8 122.2

130 99.7 69.5 129.1

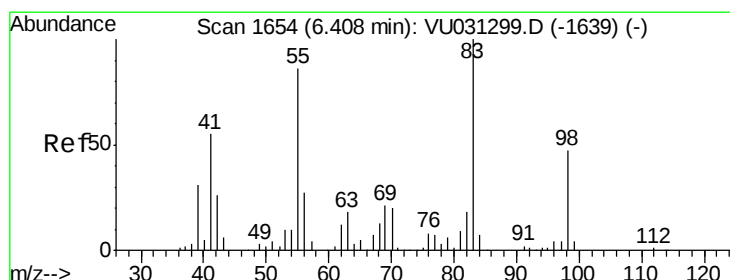
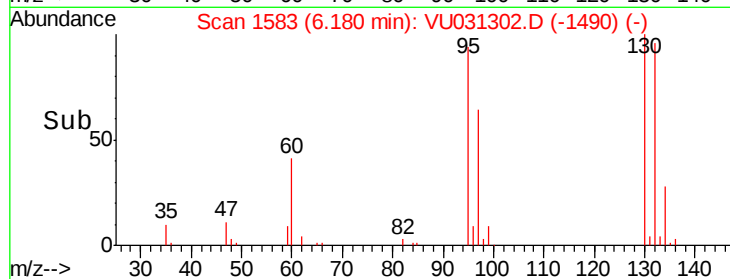
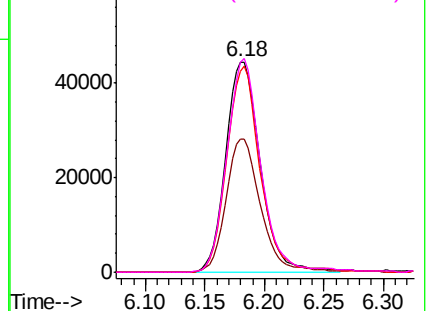


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.635 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

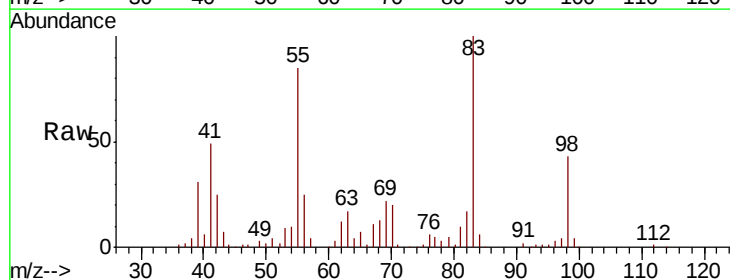
Tgt Ion: 83 Resp: 125903

Ion Ratio Lower Upper

83 100

55 86.5 70.6 105.8

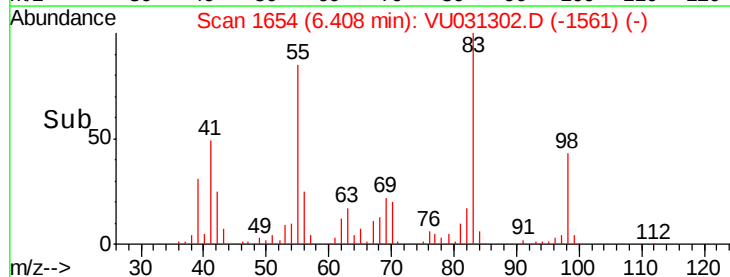
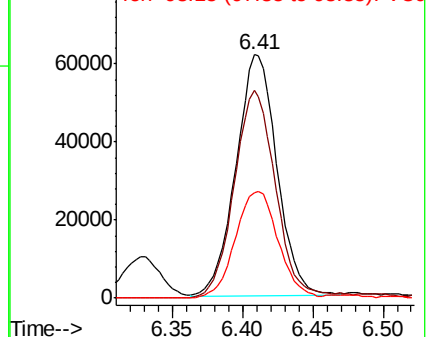
98 46.3 37.0 55.4

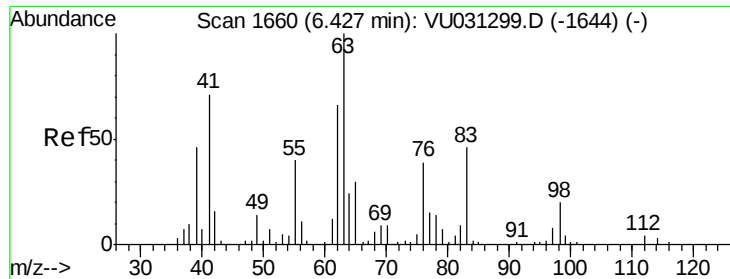


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

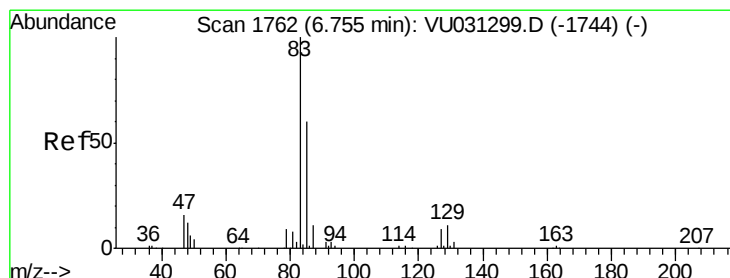
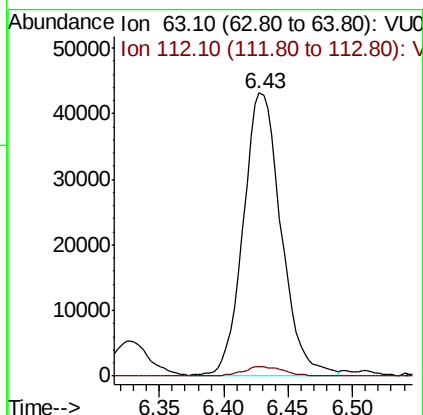
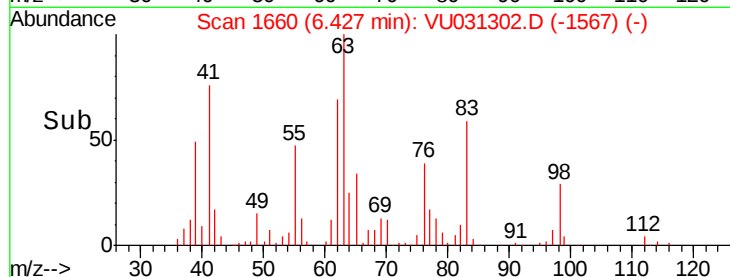
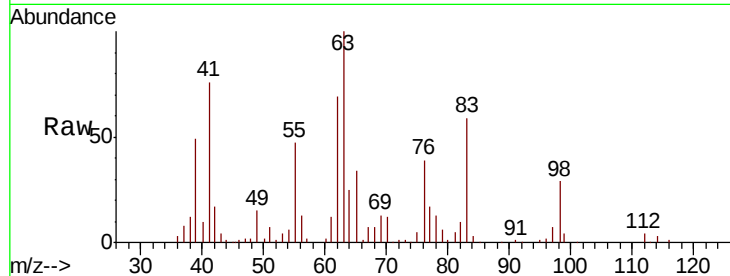




#37
 1,2-Dichloropropane
 Concen: 4.555 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

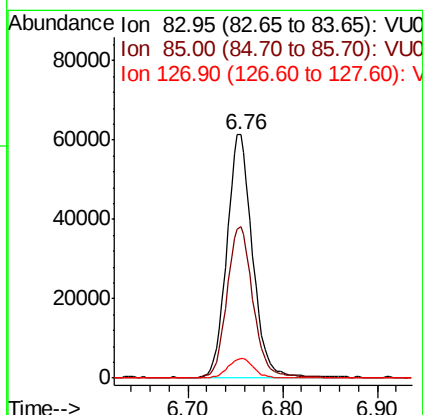
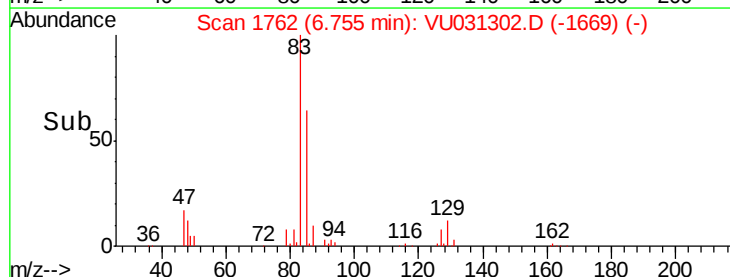
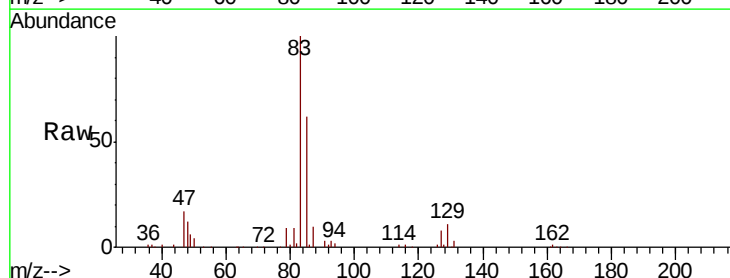
Instrument :
 MSVOA_U
 ClientSampleID :
 VICV08

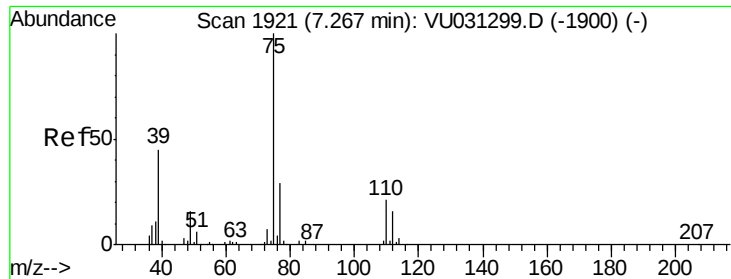
Tgt Ion: 63 Resp: 87625
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.823 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Tgt Ion: 83 Resp: 115765
 Ion Ratio Lower Upper
 83 100
 85 62.1 41.9 77.7
 127 8.1 7.1 10.7

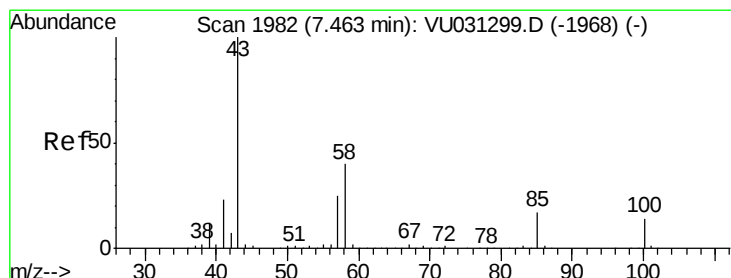
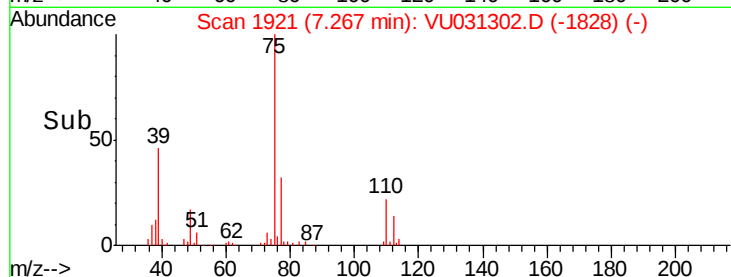
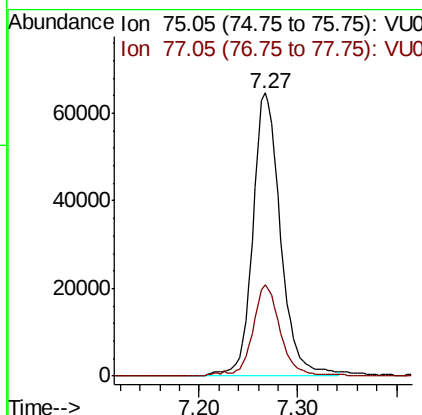
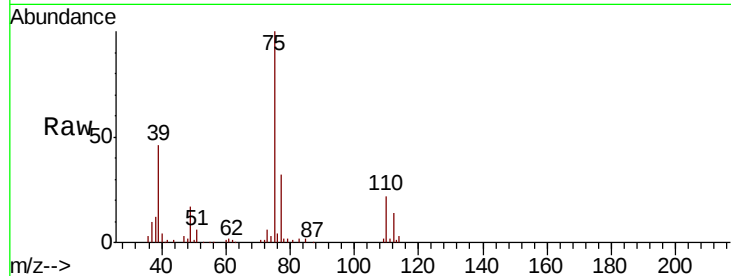




#39
 cis-1,3-Dichloropropene
 Concen: 4.872 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

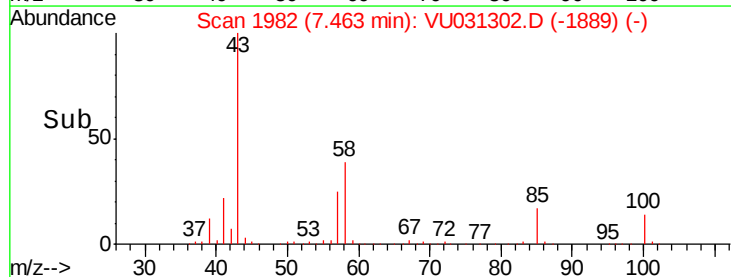
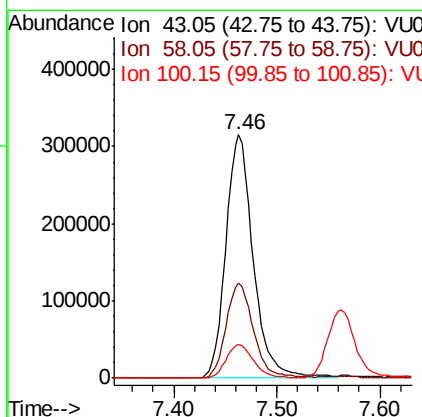
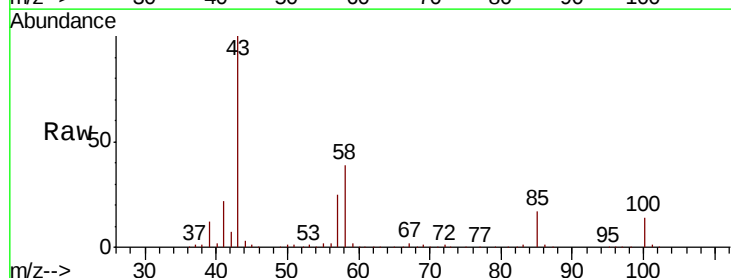
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV08

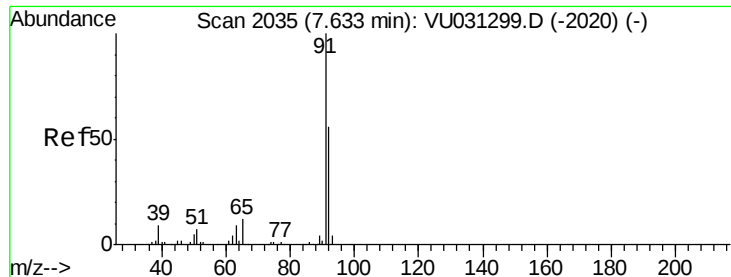
Tgt Ion: 75 Resp: 125099
 Ion Ratio Lower Upper
 75 100
 77 32.1 20.2 37.4



#40
 4-Methyl-2-pentanone
 Concen: 47.363 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Tgt Ion: 43 Resp: 585047
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.7 46.1
 100 13.8 11.1 16.7





#42

Toluene

Concen: 4.848 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

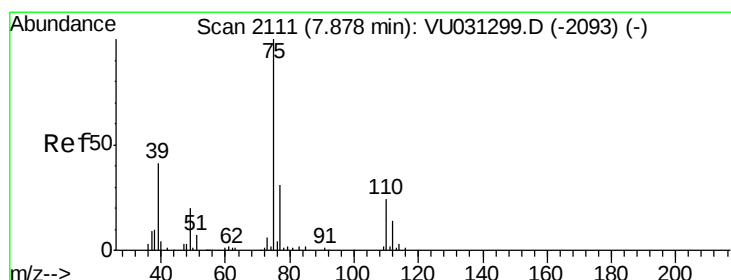
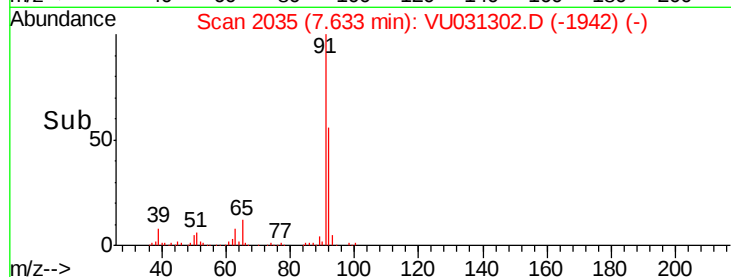
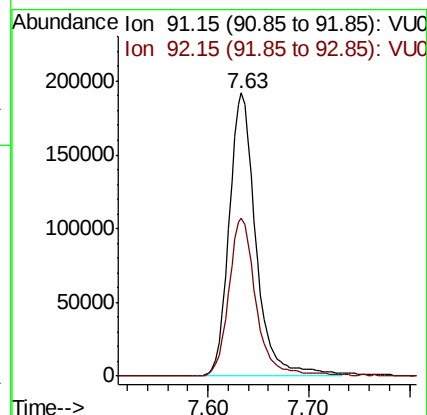
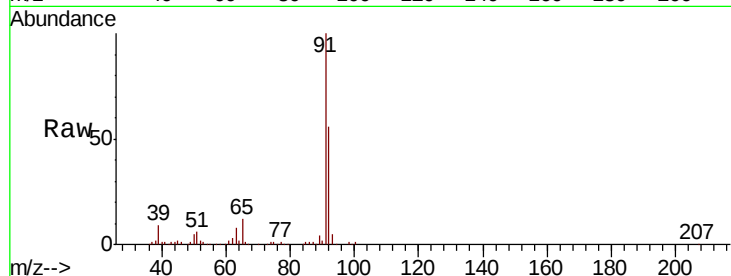
VICV08

Tgt Ion: 91 Resp: 356691

Ion Ratio Lower Upper

91 100

92 55.9 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.632 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU031302.D

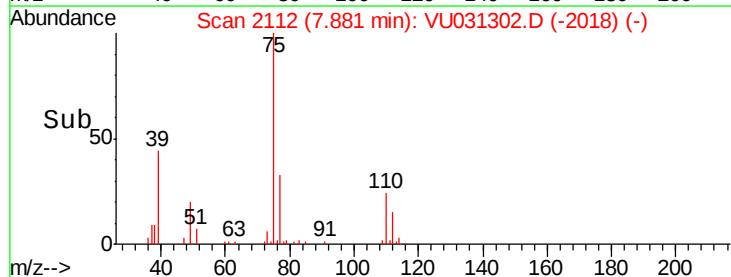
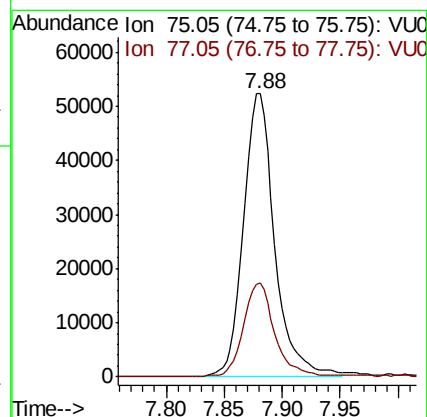
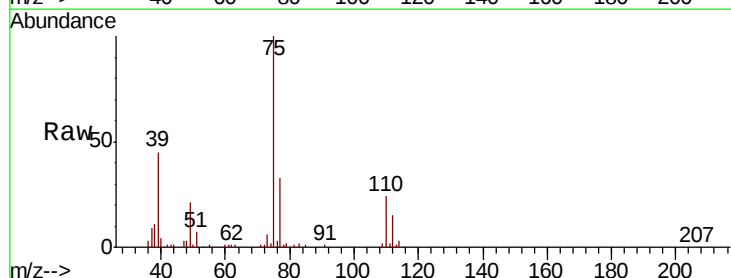
Acq: 18 Apr 2019 13:08

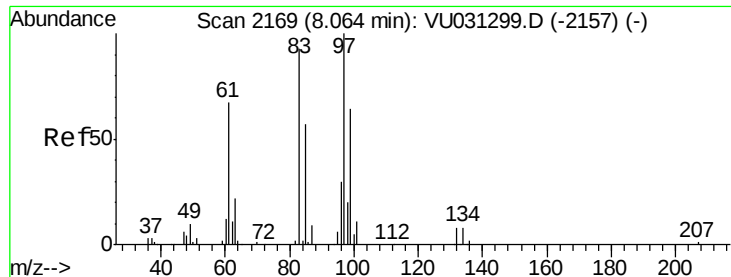
Tgt Ion: 75 Resp: 98344

Ion Ratio Lower Upper

75 100

77 33.1 21.6 40.0

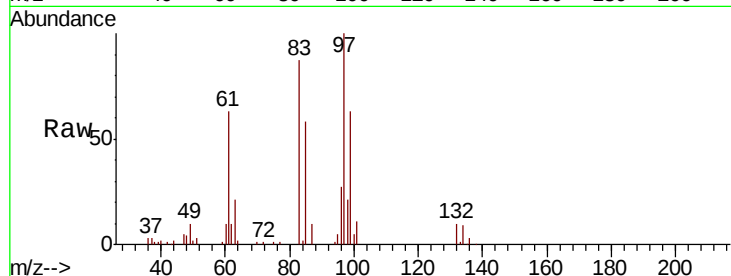




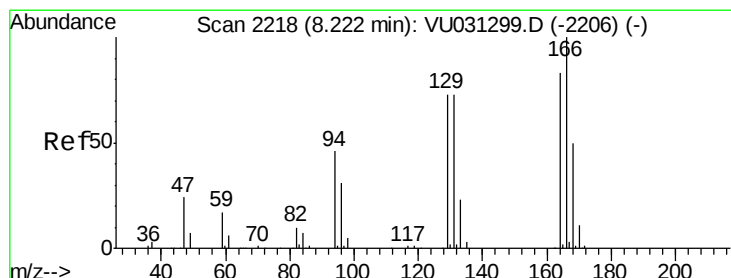
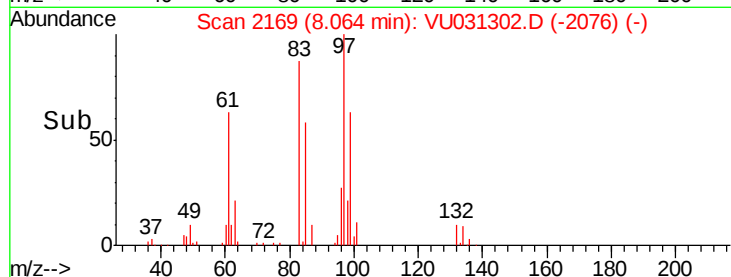
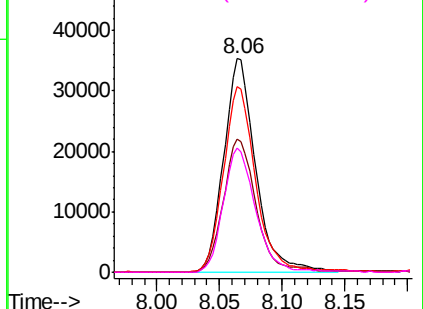
#45
 1,1,2-Trichloroethane
 Concen: 4.547 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Instrument :
 MSVOA_U
 ClientSampled :
 VICV08

Tgt Ion:	97	Resp:	62316
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.8	83.2
83	86.8	64.9	120.5
85	58.1	40.1	74.5

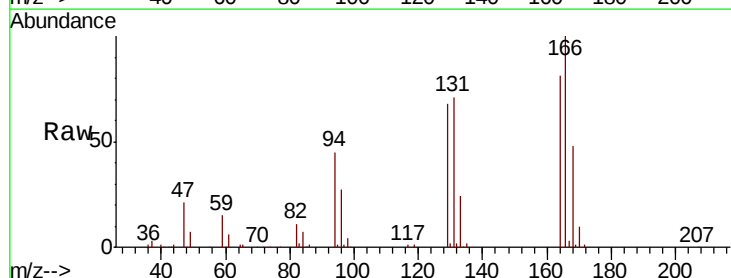


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

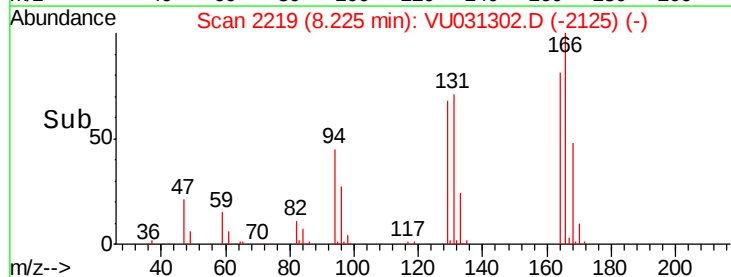
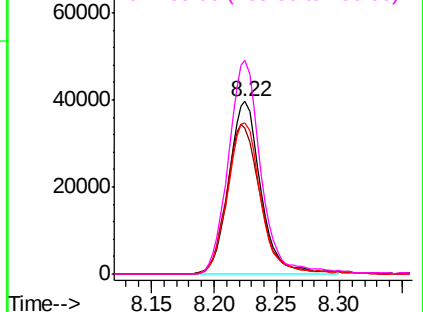


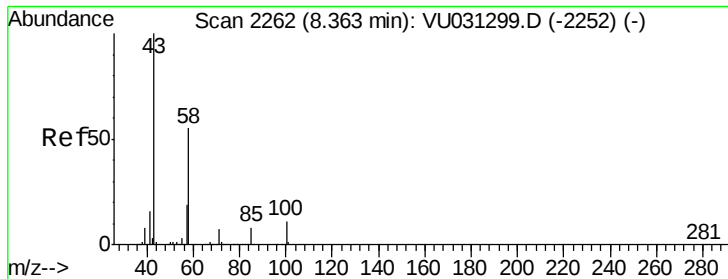
#47
 Tetrachloroethene
 Concen: 4.765 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Tgt Ion:	164	Resp:	70035
Ion	Ratio	Lower	Upper
164	100		
129	84.4	61.9	114.9
131	87.8	61.5	114.3
166	123.6	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

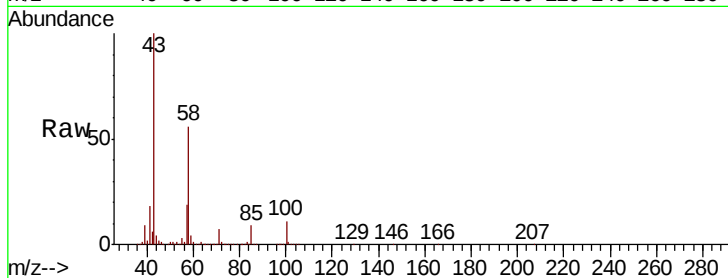




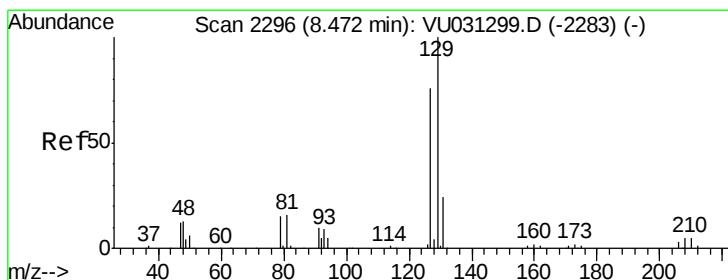
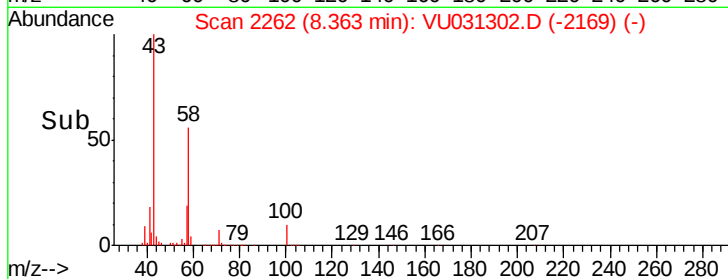
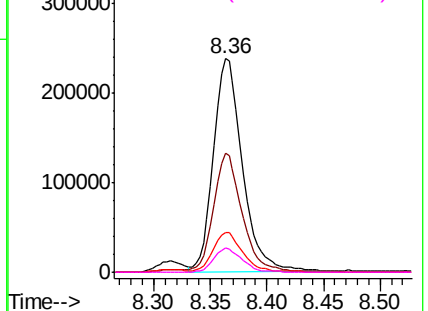
#48
2-Hexanone
Concen: 48.095 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

Instrument :
MSVOA_U
ClientSampleId :
VICV08

Tgt Ion:	43	Resp:	421637
Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.0	67.6
57	19.3	15.5	23.3
100	11.5	8.7	13.1

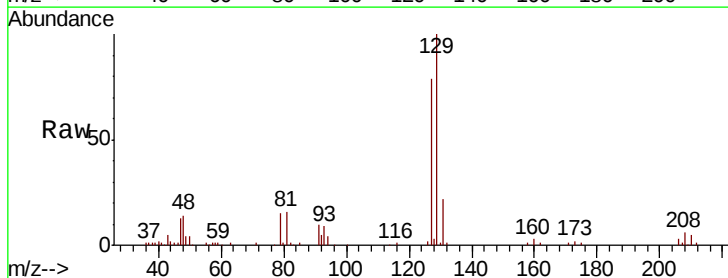


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

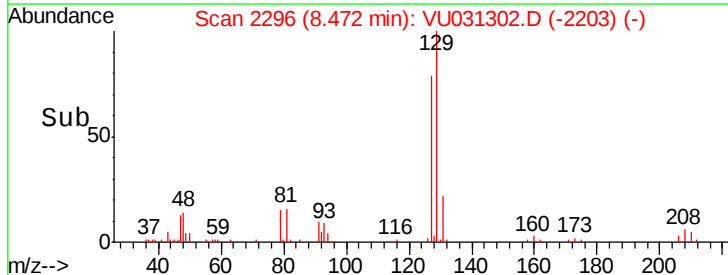
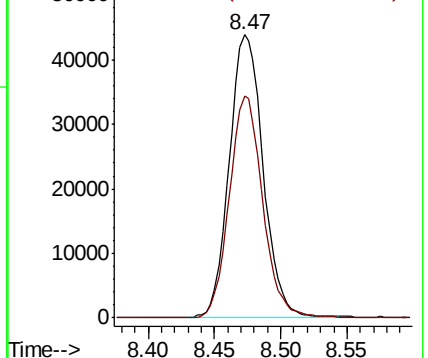


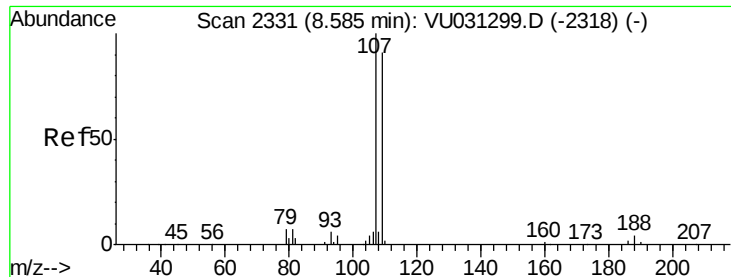
#49
Dibromochloromethane
Concen: 4.750 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

Tgt Ion:	129	Resp:	77895
Ion	Ratio	Lower	Upper
129	100		
127	78.5	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: 4.588 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

VICV08

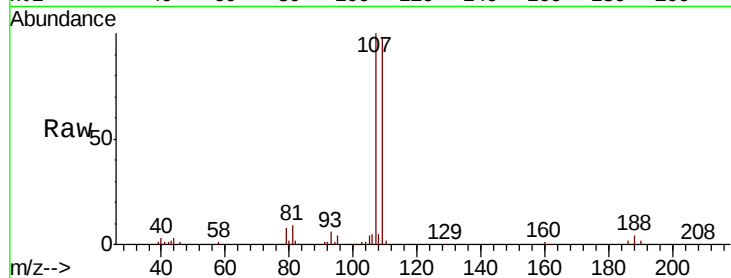
Tgt Ion:107 Resp: 59559

Ion Ratio Lower Upper

107 100

109 97.7 63.6 118.2

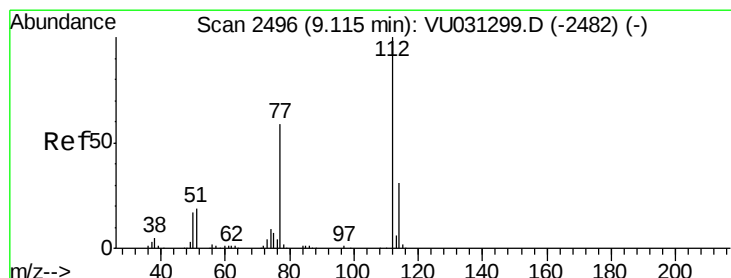
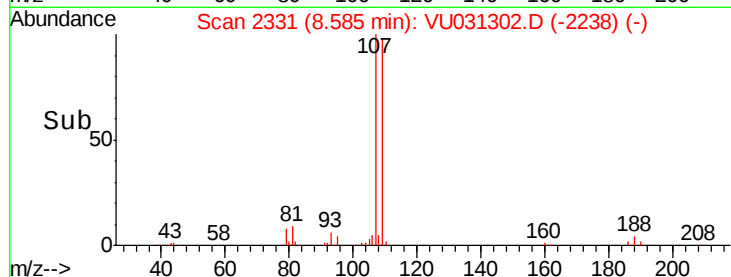
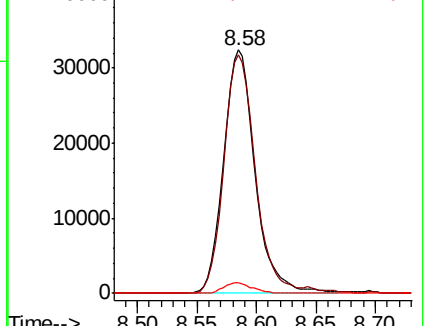
188 4.2 2.9 4.3



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: 4.675 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

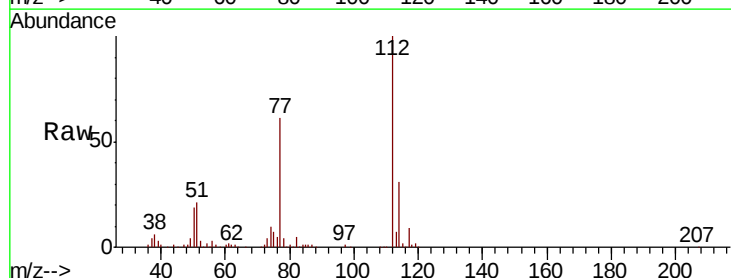
Tgt Ion:112 Resp: 215361

Ion Ratio Lower Upper

112 100

114 31.3 21.6 40.2

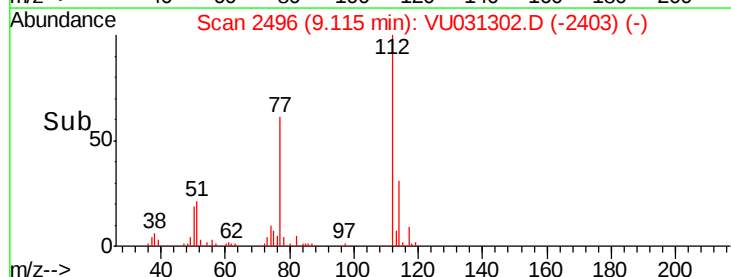
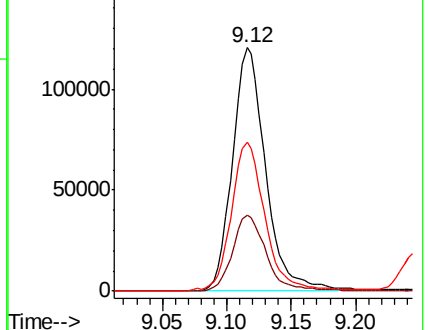
77 61.0 47.1 70.7

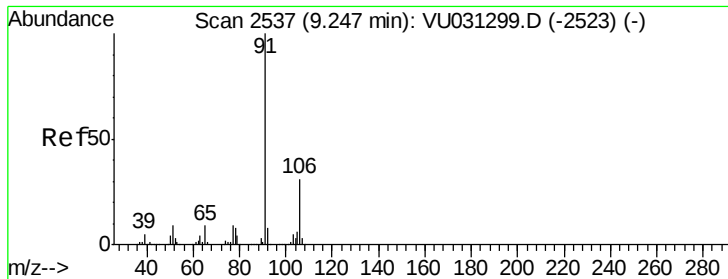


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.776 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

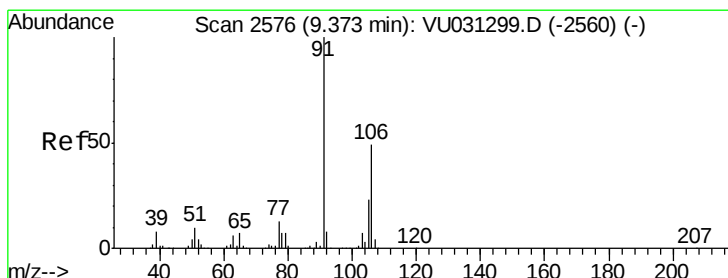
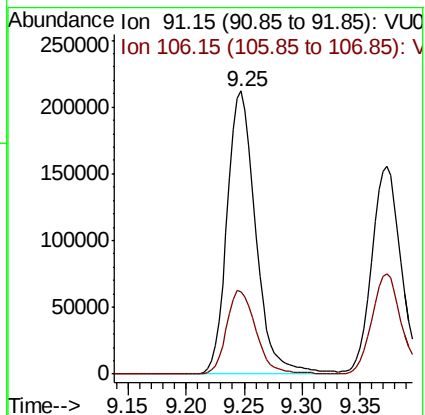
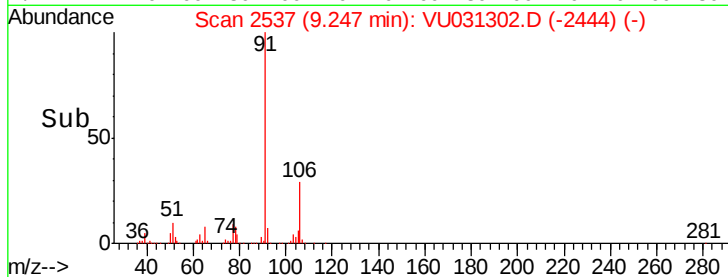
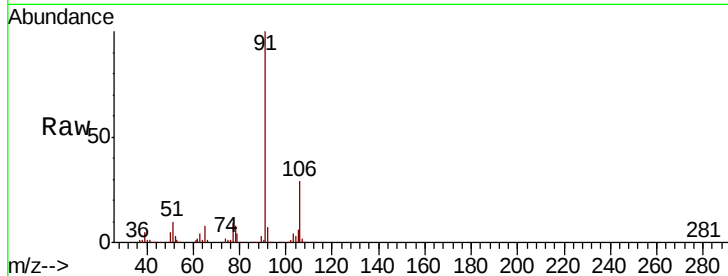
VICV08

Tgt Ion: 91 Resp: 362988

Ion Ratio Lower Upper

91 100

106 29.3 21.8 40.4



#53

m,p-Xylene

Concen: 4.896 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031302.D

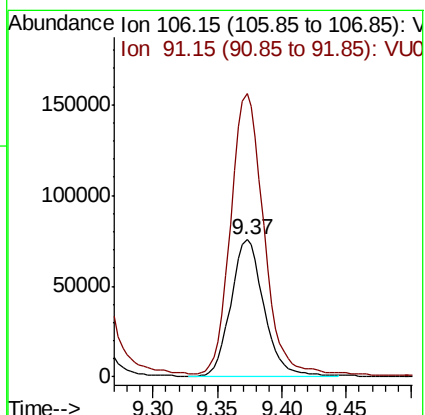
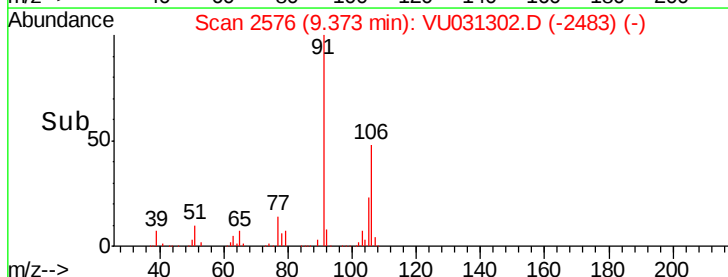
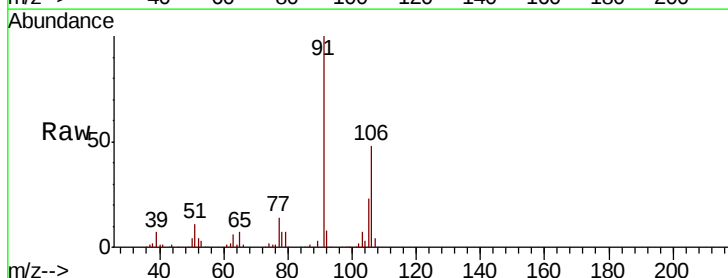
Acq: 18 Apr 2019 13:08

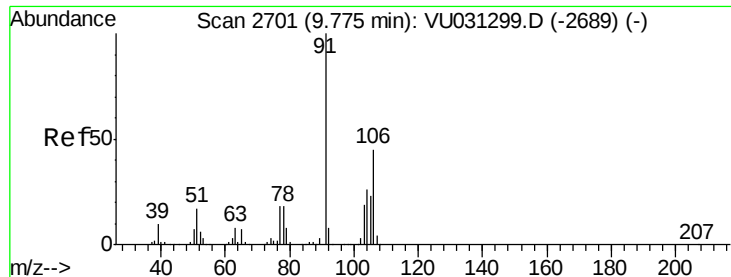
Tgt Ion: 106 Resp: 133682

Ion Ratio Lower Upper

106 100

91 206.7 144.2 267.8

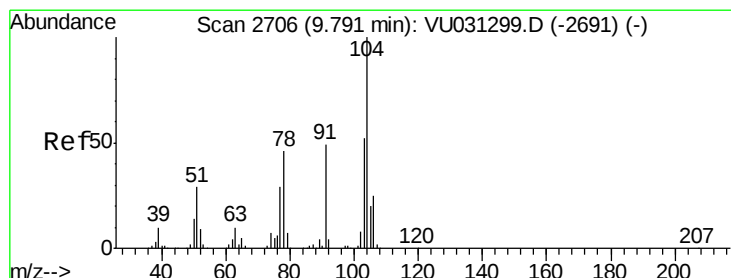
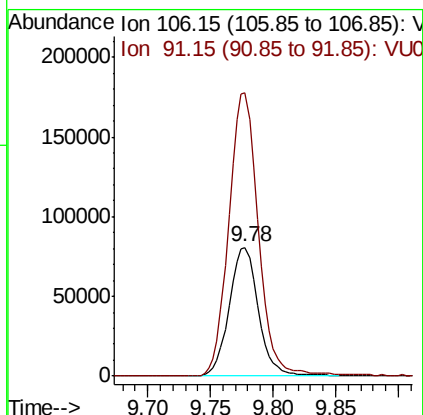
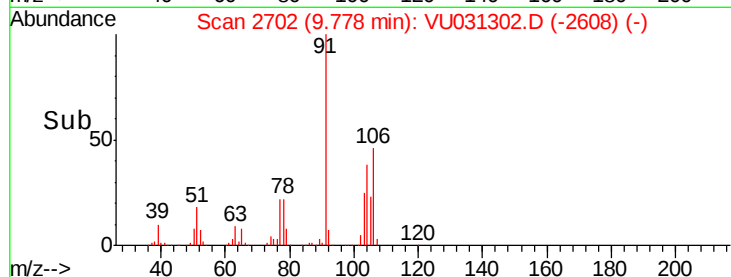
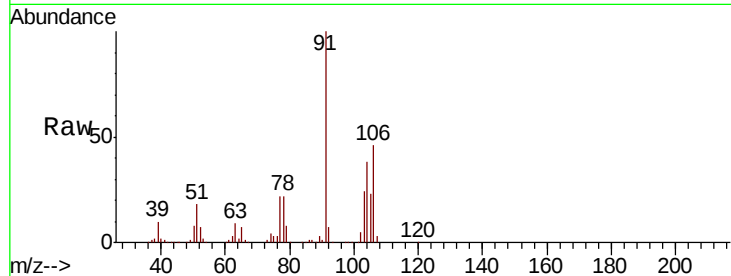




#54
o-Xylene
Concen: 4.877 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

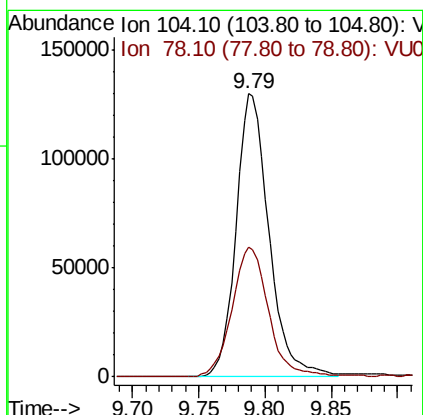
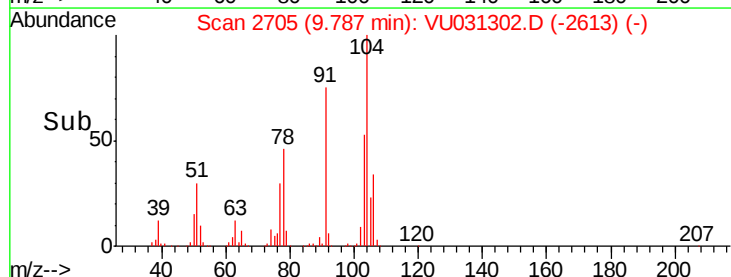
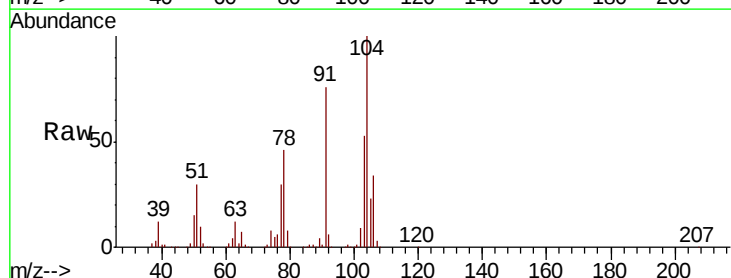
Instrument :
MSVOA_U
ClientSampleId :
VICV08

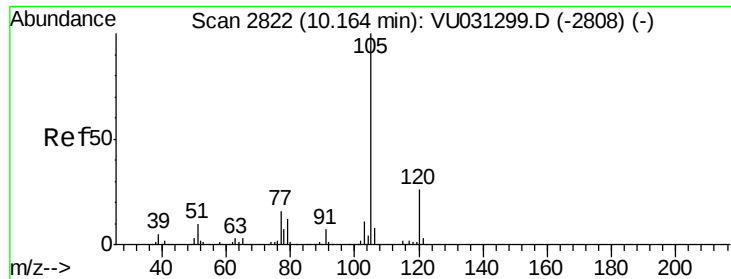
Tgt Ion:106 Resp: 131230
Ion Ratio Lower Upper
106 100
91 219.4 156.2 290.0



#55
Styrene
Concen: 5.014 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU031302.D
Acq: 18 Apr 2019 13:08

Tgt Ion:104 Resp: 224093
Ion Ratio Lower Upper
104 100
78 46.0 32.0 59.4





#56

Isopropylbenzene

Concen: 4.898 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampled :

VICV08

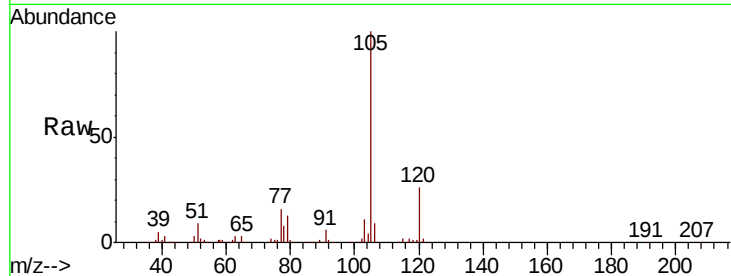
Tgt Ion: 105 Resp: 345988

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

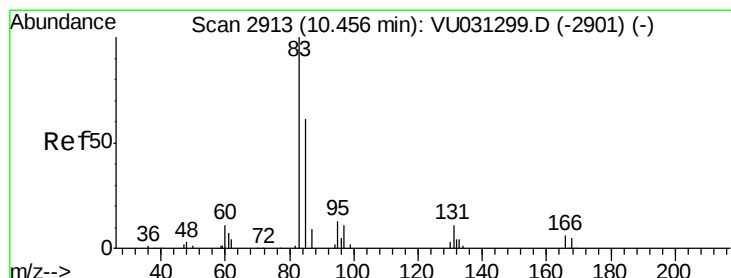
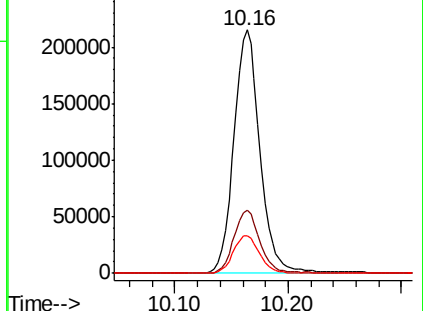
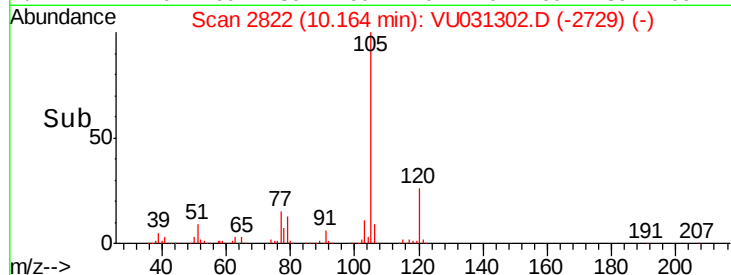
77 15.8 12.9 19.3



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: 4.583 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

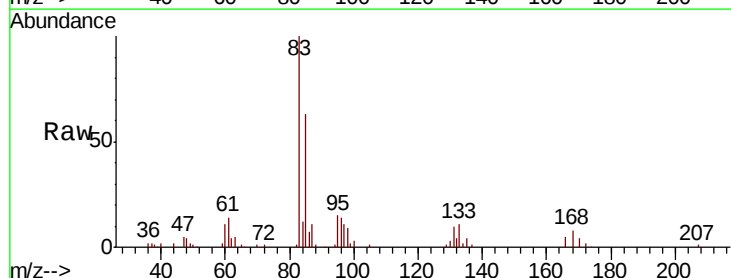
Tgt Ion: 83 Resp: 80304

Ion Ratio Lower Upper

83 100

85 63.5 43.1 80.1

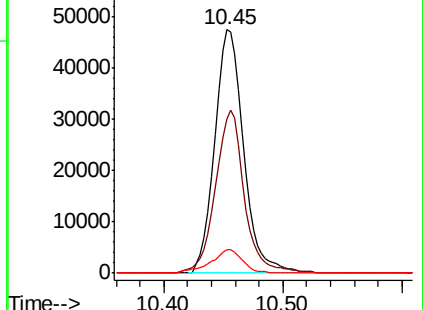
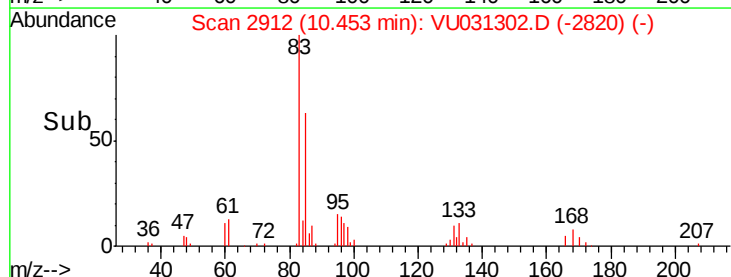
131 9.7 9.4 14.2

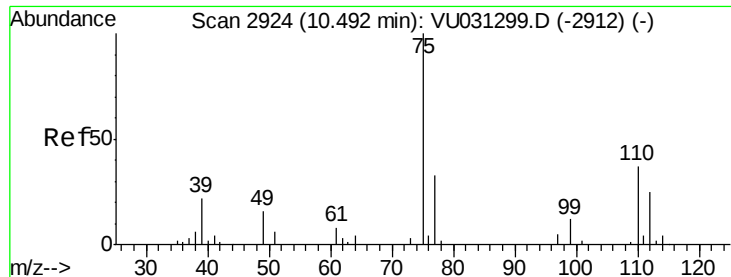


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

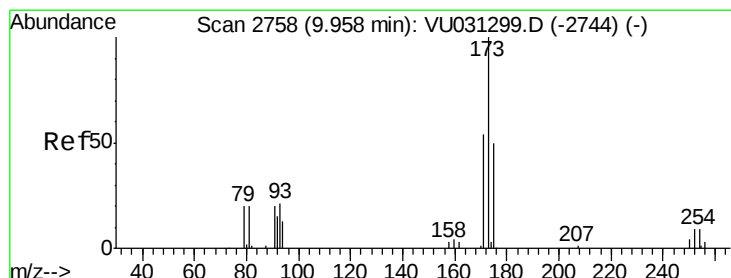
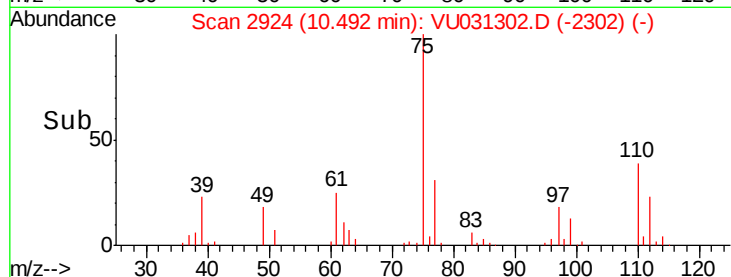
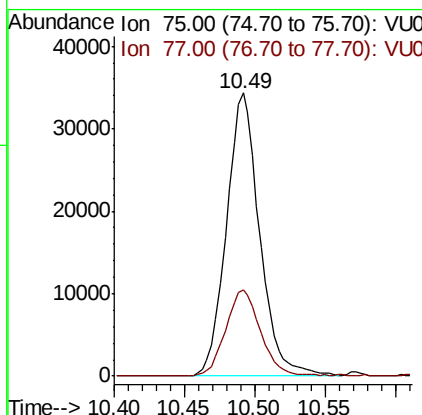
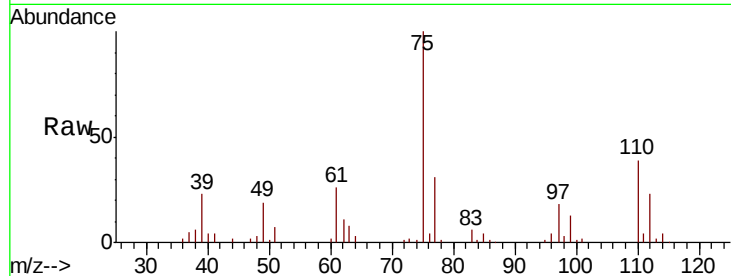




#59
 1,2,3-Trichloropropane
 Concen: 4.488 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

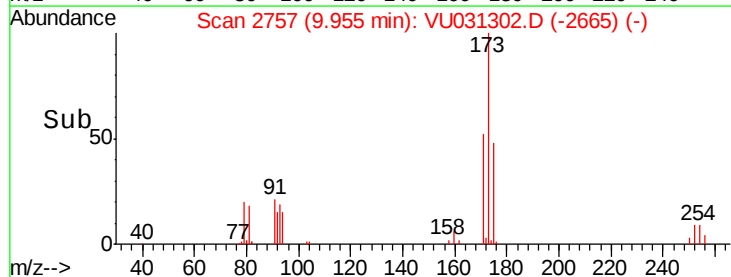
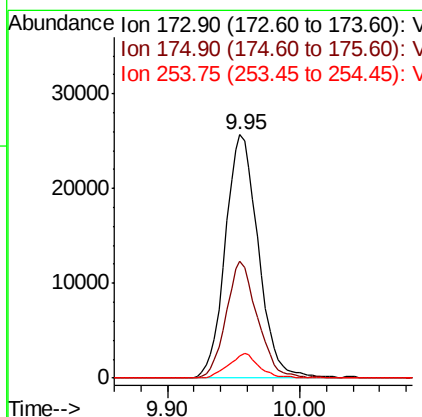
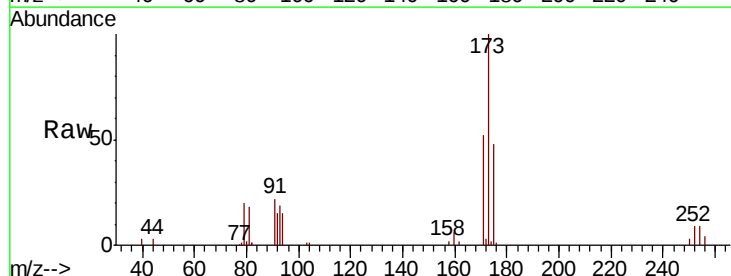
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV08

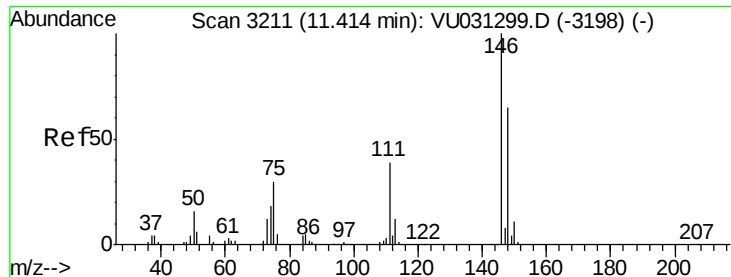
Tgt Ion: 75 Resp: 56340
 Ion Ratio Lower Upper
 75 100
 77 32.1 27.0 40.6



#61
 Bromoform
 Concen: 4.720 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Tgt Ion: 173 Resp: 44363
 Ion Ratio Lower Upper
 173 100
 175 45.4 39.2 58.8
 254 9.2 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 4.837 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

VICV08

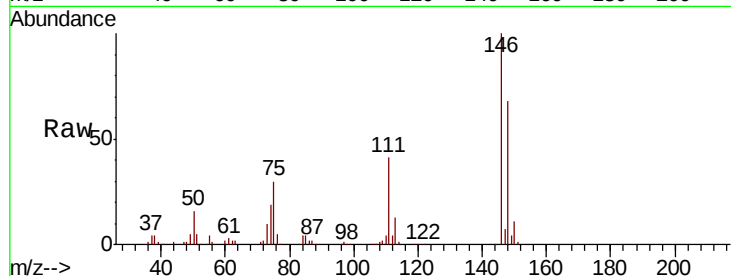
Tgt Ion:146 Resp: 155505

Ion Ratio Lower Upper

146 100

111 40.5 27.6 51.2

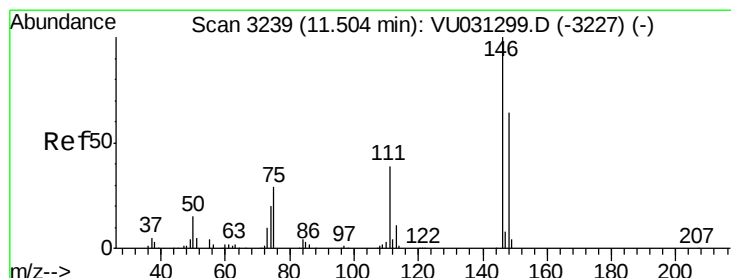
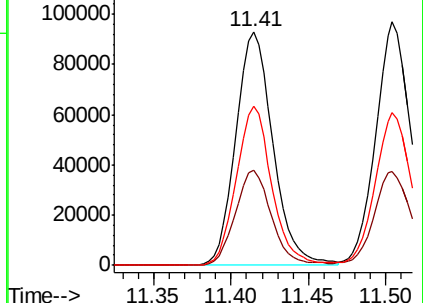
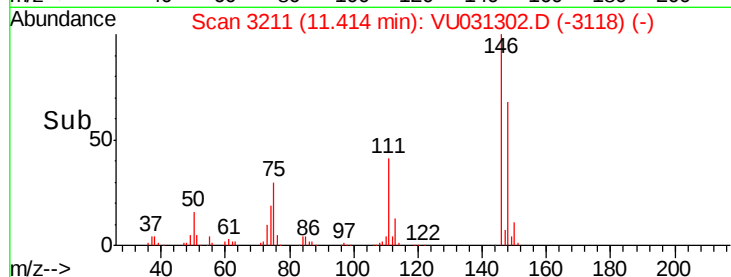
148 68.0 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.888 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

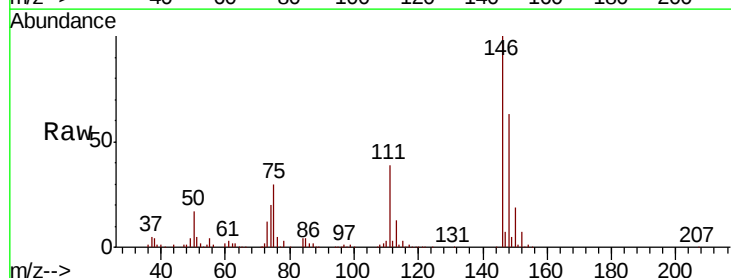
Tgt Ion:146 Resp: 158340

Ion Ratio Lower Upper

146 100

111 38.5 27.6 51.2

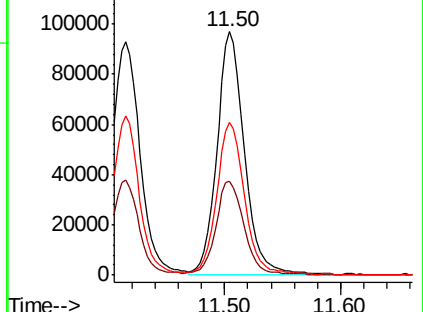
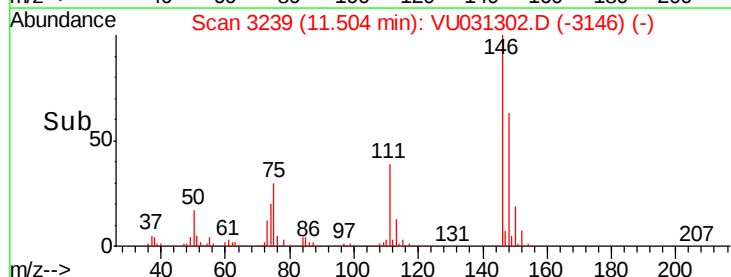
148 62.5 44.9 83.5

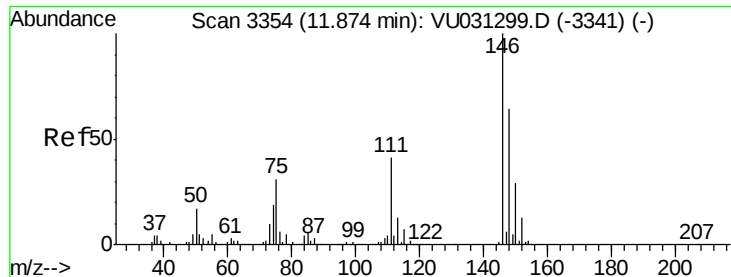


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.750 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

VICV08

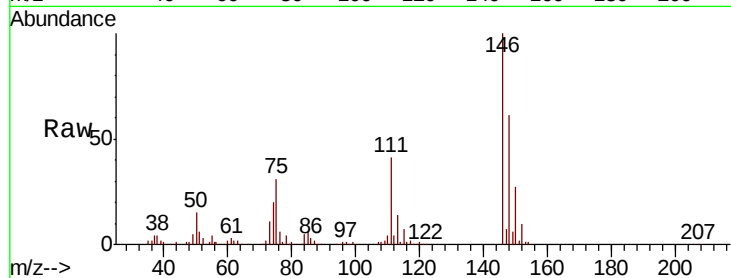
Tgt Ion:146 Resp: 155440

Ion Ratio Lower Upper

146 100

111 41.1 33.0 49.6

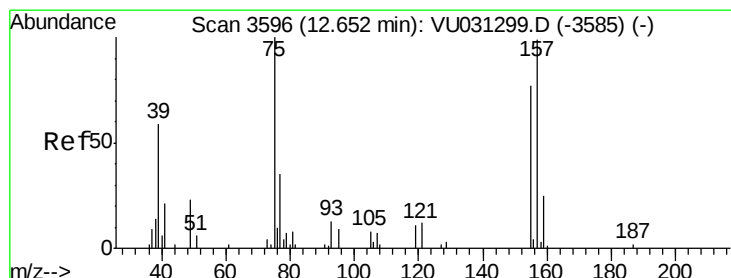
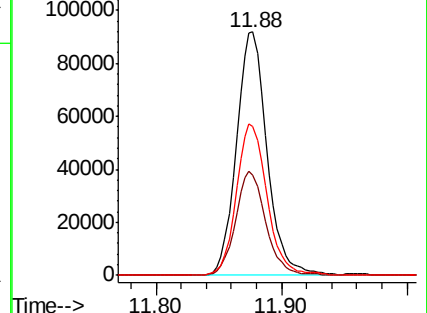
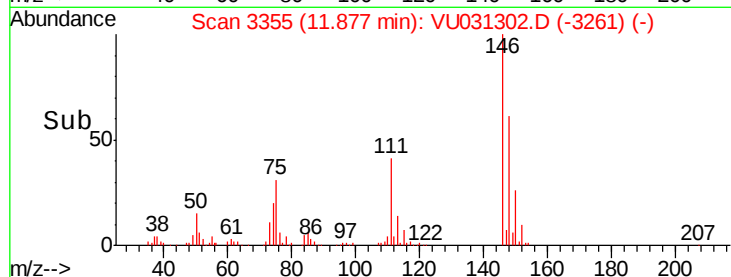
148 61.4 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.835 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

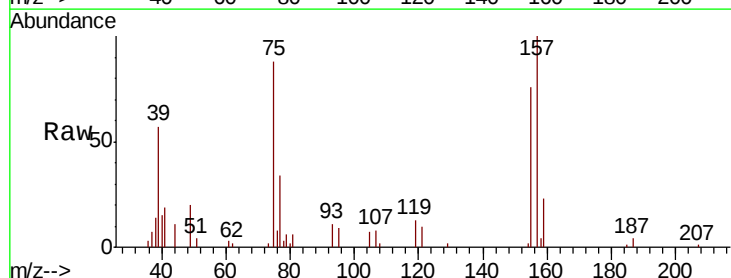
Tgt Ion: 75 Resp: 12880

Ion Ratio Lower Upper

75 100

155 86.3 61.8 92.6

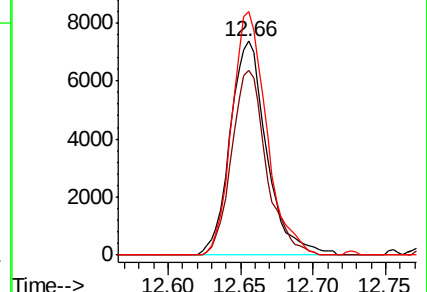
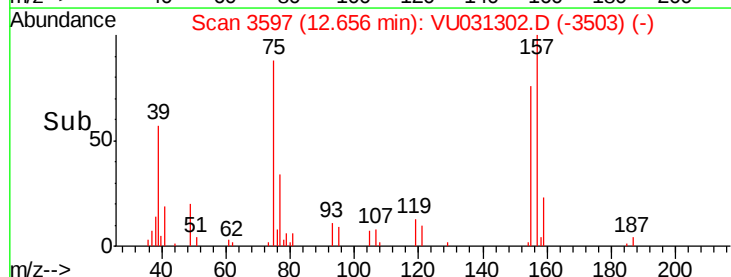
157 113.8 79.4 119.0

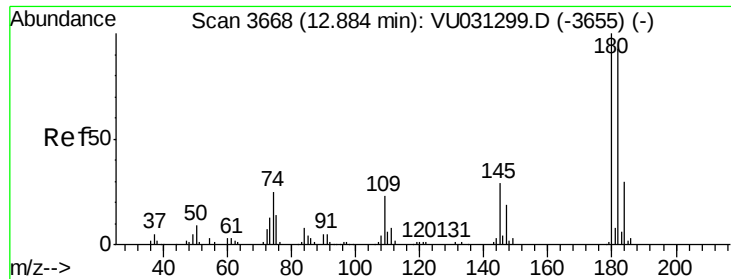


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

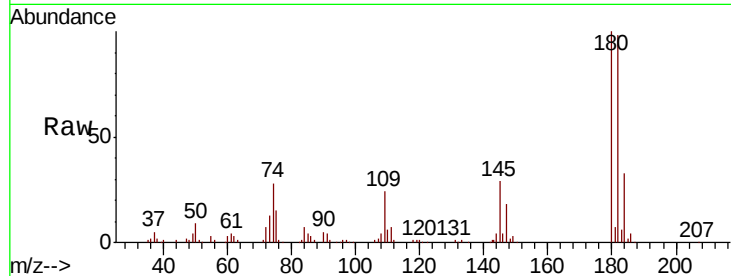




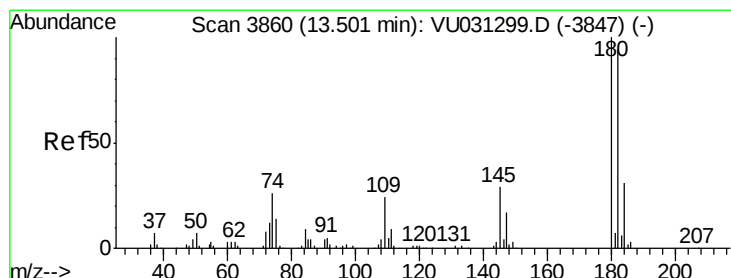
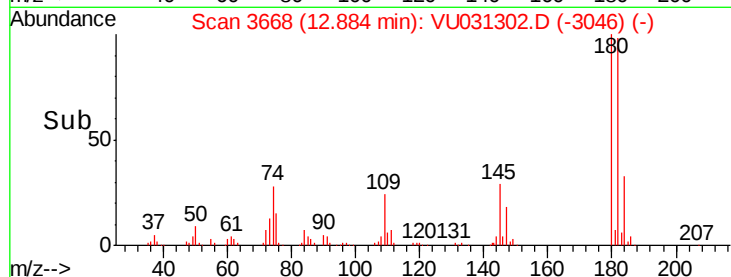
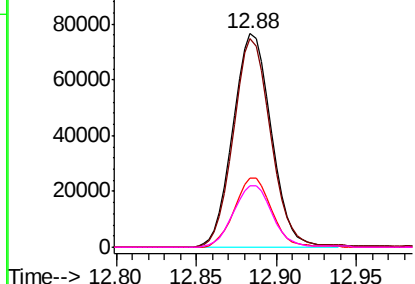
#67
 1,3,5-Trichlorobenzene
 Concen: 4.740 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV08

Tgt Ion:	180	Resp:	125189
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.6
184	31.6	23.9	35.9
145	29.1	23.3	34.9

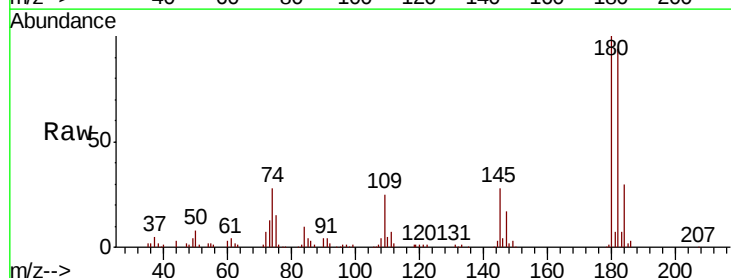


Abundance Ion 180.00 (179.70 to 180.70): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 100000
 Ion 184.00 (183.70 to 184.70): V
 80000
 Ion 145.00 (144.70 to 145.70): V
 60000
 40000
 20000
 0

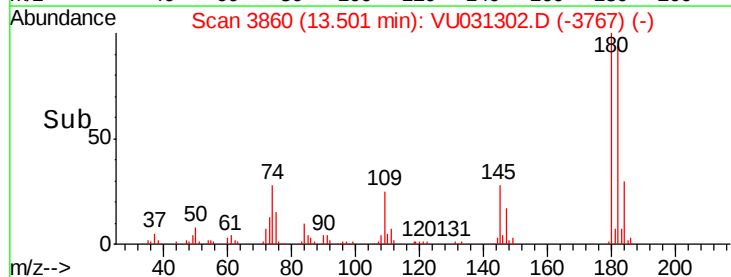
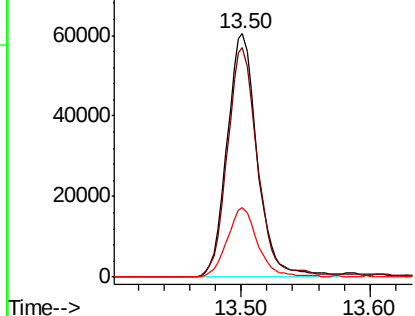


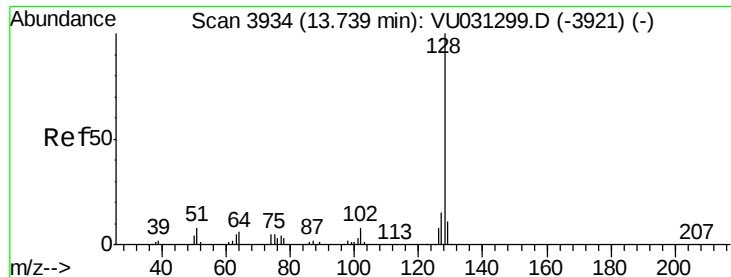
#68
 1,2,4-trichlorobenzene
 Concen: 5.186 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031302.D
 Acq: 18 Apr 2019 13:08

Tgt Ion:	180	Resp:	98769
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.2	112.8
145	28.7	22.7	34.1



Abundance Ion 179.90 (179.60 to 180.60): V
 80000
 Ion 182.00 (181.70 to 182.70): V
 60000
 Ion 144.95 (144.65 to 145.65): V
 40000
 20000
 0





#69

Naphthalene

Concen: 4.487 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

Instrument :

MSVOA_U

ClientSampleId :

VICV08

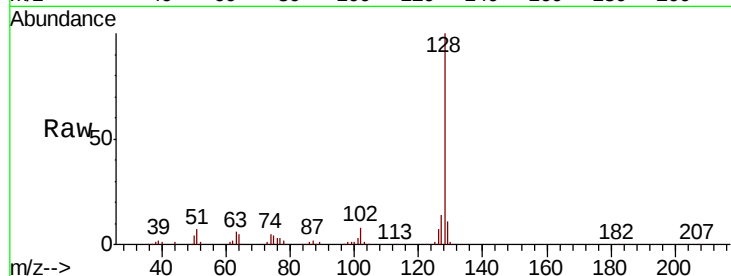
Tgt Ion:128 Resp: 167761

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

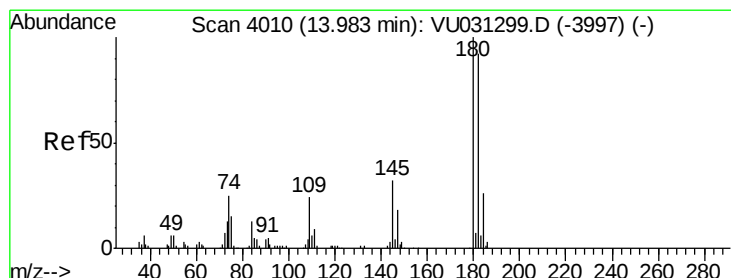
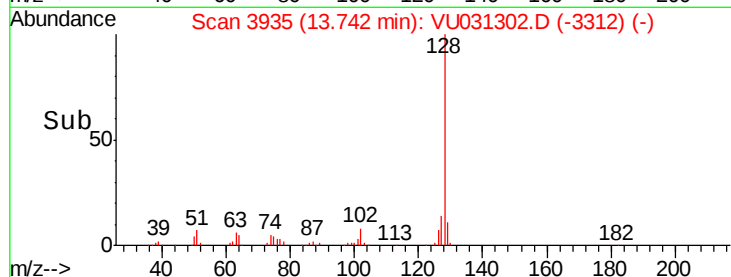
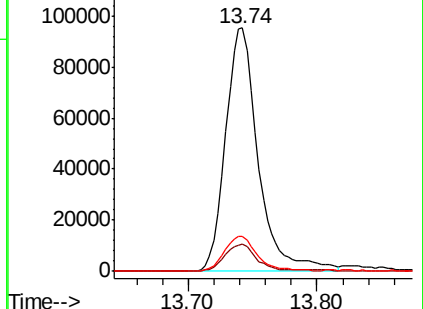
127 14.5 10.8 16.2



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: 4.993 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031302.D

Acq: 18 Apr 2019 13:08

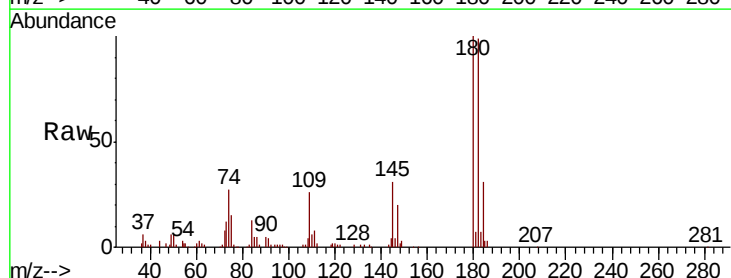
Tgt Ion:180 Resp: 98509

Ion Ratio Lower Upper

180 100

182 97.1 74.3 111.5

145 30.8 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

