

Data File : VU029646.D
Acq On : 25 Feb 2019 09:56
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB49

Quant Time: Feb 26 00:12:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 22 23:08:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	526750	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	511110	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	283591	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	166884	43.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.48%
7) Chloroethane-d5	1.68	69	144235	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.06%
11) 1,1-Dichloroethene-d2	2.27	63	325171	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.20%
21) 2-Butanone-d5	4.17	46	235065	100.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.07%
24) Chloroform-d	4.64	84	303872	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
26) 1,2-Dichloroethane-d4	5.31	65	184589	46.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.14%
32) Benzene-d6	5.34	84	641789	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.33	67	190247	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.34%
41) Toluene-d8	7.56	98	627559	47.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.62%
43) trans-1,3-Dichloropropene-	7.85	79	96634	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.31	63	184658	85.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299486	45.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	269911	44.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	188318	52.141	ug/L	98
3) Chloromethane	1.33	50	163911	51.732	ug/L	99
5) Vinyl chloride	1.40	62	207806	48.293	ug/L	99
6) Bromomethane	1.62	94	120173	61.193	ug/L	98
8) Chloroethane	1.69	64	129852	45.370	ug/L	98
9) Trichlorofluoromethane	1.88	101	294334	42.909	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	178274	48.587	ug/L	100
12) 1,1-Dichloroethene	2.28	96	166341	47.686	ug/L	91
13) Acetone	2.32	43	275798	109.880	ug/L	99
14) Carbon disulfide	2.47	76	488173	53.437	ug/L	100
15) Methyl Acetate	2.61	43	181885	55.829	ug/L	99
16) Methylene chloride	2.70	84	176780	52.374	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	172189	53.482	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	522141	52.383	ug/L	99
19) 1,1-Dichloroethane	3.44	63	295666	53.109	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	196889	52.630	ug/L	98
22) 2-Butanone	4.26	43	313553	109.461	ug/L	99

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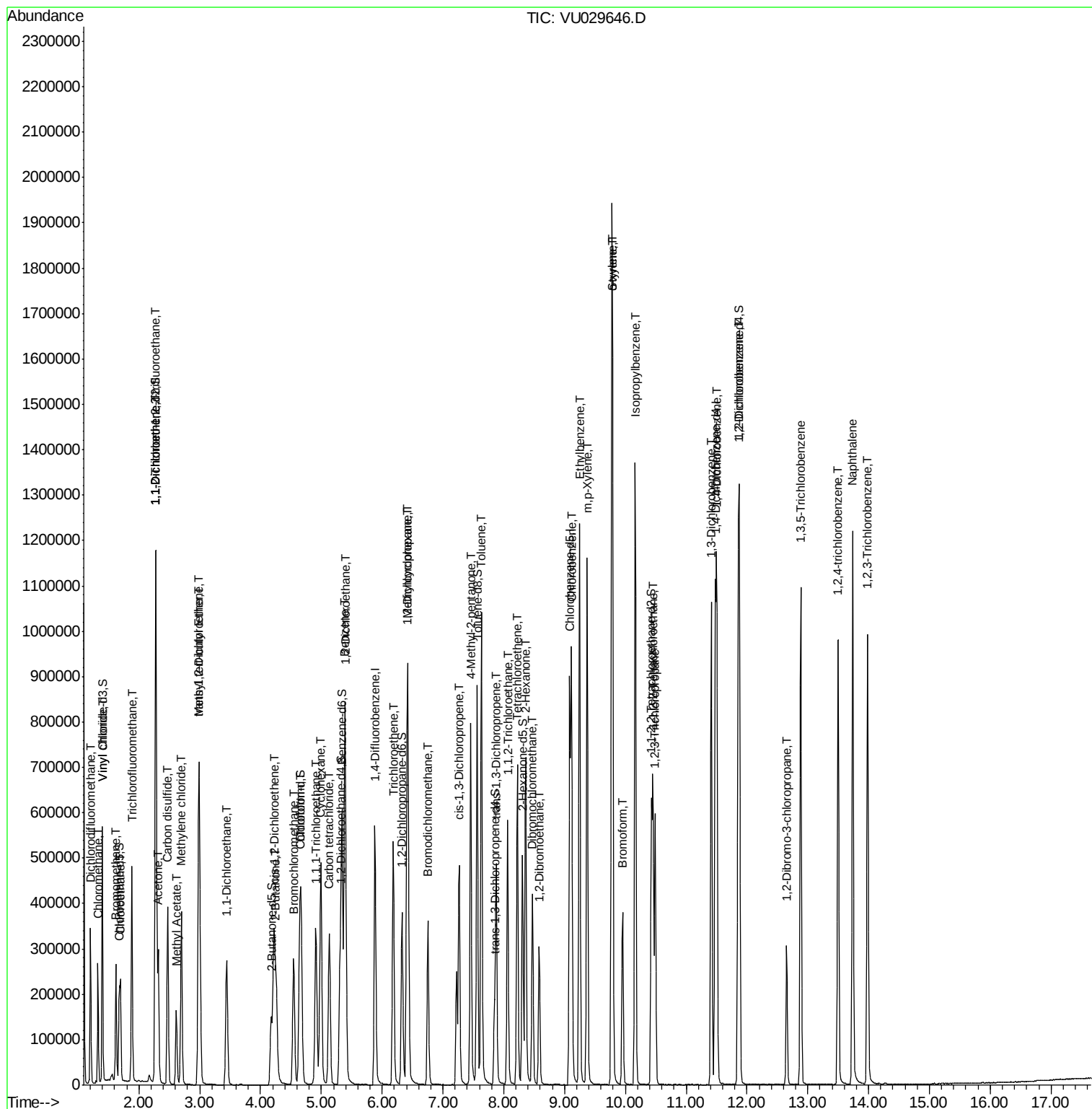
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	105402	51.396	ug/L	98
25) Chloroform	4.67	83	322016	51.843	ug/L	100
27) 1,2-Dichloroethane	5.40	62	244208	51.137	ug/L	100
29) Cyclohexane	4.99	56	272452	53.865	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	277294	51.168	ug/L	100
31) Carbon tetrachloride	5.13	117	247980	50.556	ug/L	99
33) Benzene	5.39	78	705244	53.819	ug/L	100
34) Trichloroethene	6.18	95	188545	53.411	ug/L	99
35) Methylcyclohexane	6.41	83	318415	54.314	ug/L	98
37) 1,2-Dichloropropane	6.43	63	185034	53.791	ug/L	100
38) Bromodichloromethane	6.75	83	245512	52.941	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	302498	54.505	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	506766	104.764	ug/L	98
42) Toluene	7.63	91	796027	51.367	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	276561	52.875	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	192175	52.414	ug/L	98
46) Tetrachloroethene	8.22	164	174076	50.381	ug/L	96
48) 2-Hexanone	8.36	43	438764	103.832	ug/L	99
49) Dibromochloromethane	8.47	129	224538	50.516	ug/L	99
50) 1,2-Dibromoethane	8.58	107	210485	51.816	ug/L	99
51) Chlorobenzene	9.12	112	543124	51.063	ug/L	98
52) Ethylbenzene	9.25	91	902768	51.293	ug/L	99
53) m,p-Xylene	9.37	106	356574	50.470	ug/L	97
54) o-xylene	9.78	106	353731	49.845	ug/L	100
55) Styrene	9.79	104	602830	50.320	ug/L	97
56) Isopropylbenzene	10.16	105	927203	49.930	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	330175	50.925	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	249019	50.772	ug/L	100
61) Bromoform	9.95	173	183775	48.121	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	461564	51.047	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	468217	51.456	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	465322	49.300	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	74850	50.961	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	369441	53.542	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	332545	55.722	ug/L	100
69) Naphthalene	13.74	128	1033202	56.325	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	343731	54.238	ug/L	99

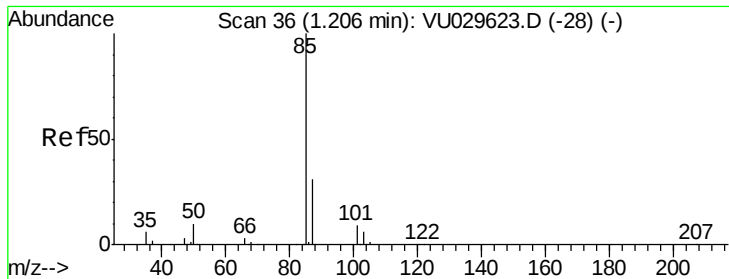
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.141 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

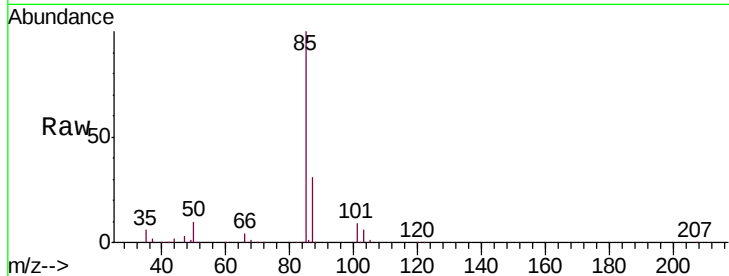
BFB49

Tgt Ion: 85 Resp: 188318

Ion Ratio Lower Upper

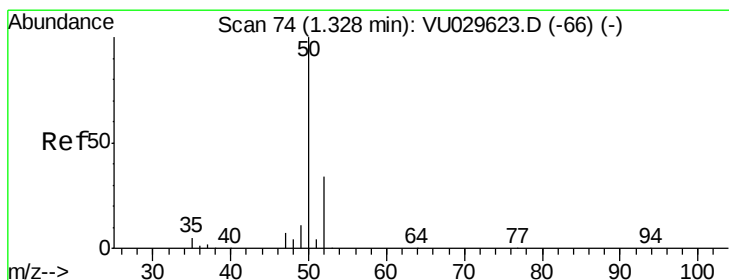
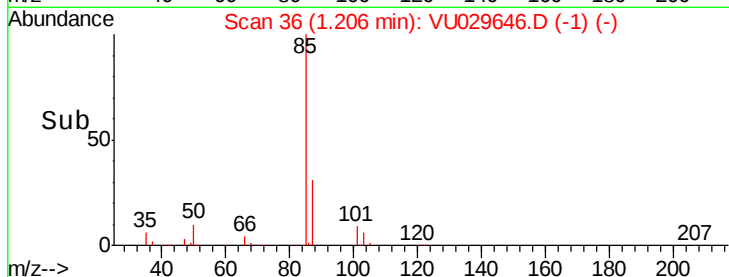
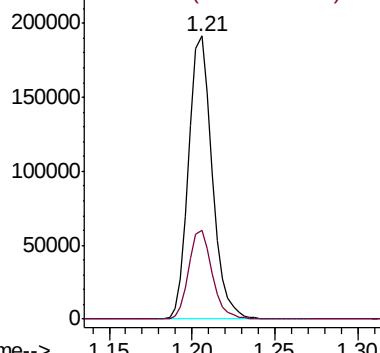
85 100

87 31.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 51.732 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029646.D

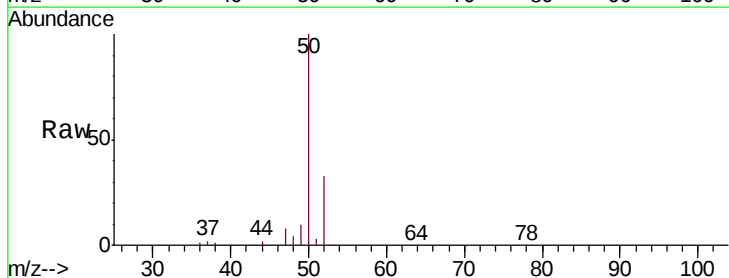
Acq: 25 Feb 2019 09:56

Tgt Ion: 50 Resp: 163911

Ion Ratio Lower Upper

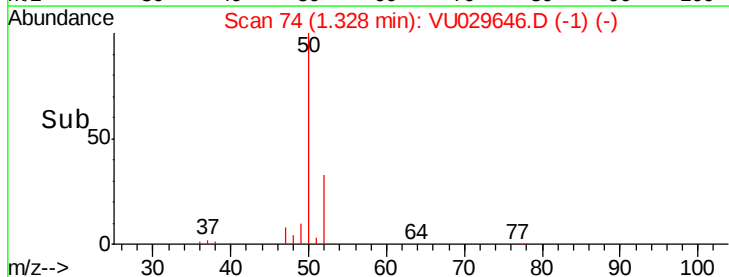
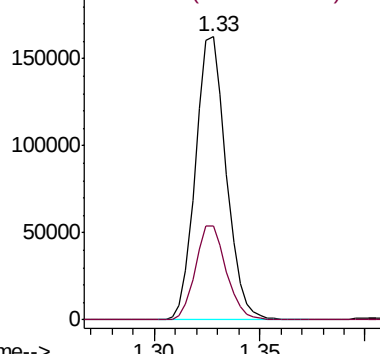
50 100

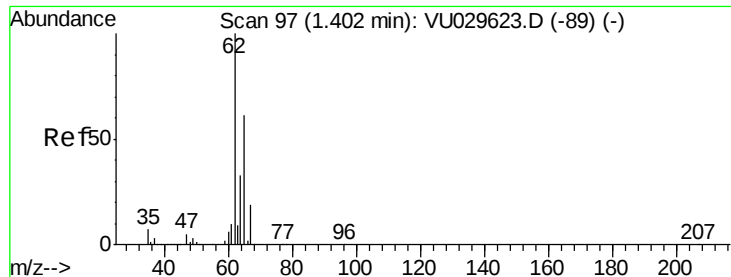
52 33.2 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.293 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

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ClientSampleId :

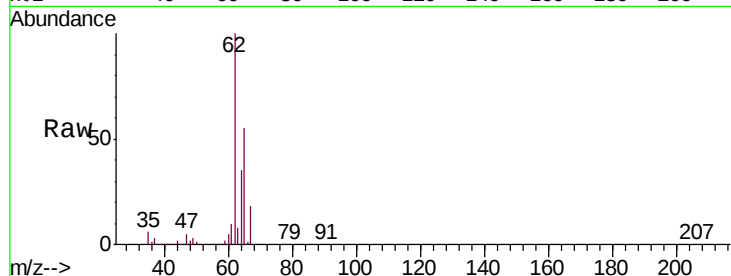
BFB49

Tgt Ion: 62 Resp: 207806

Ion Ratio Lower Upper

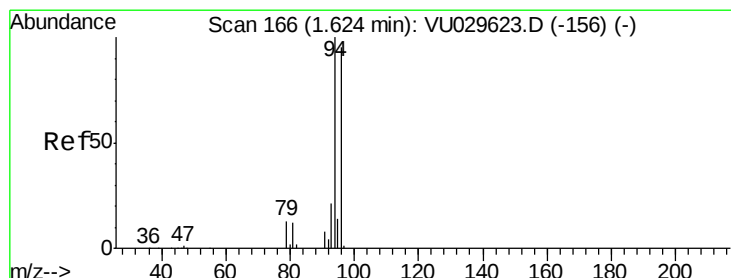
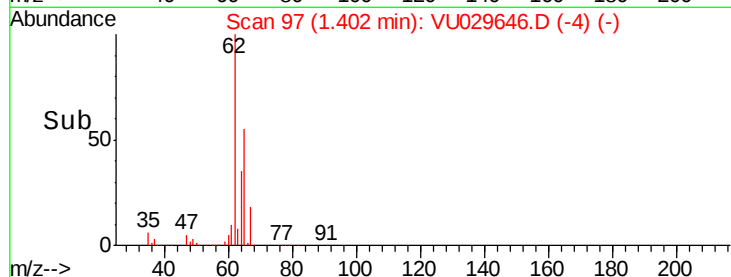
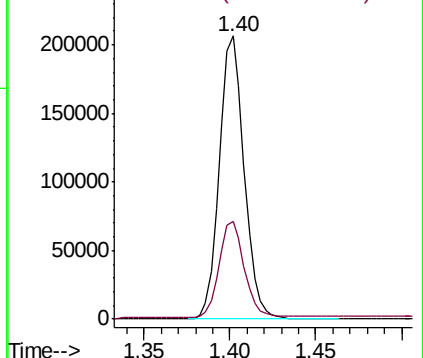
62 100

64 34.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 61.193 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029646.D

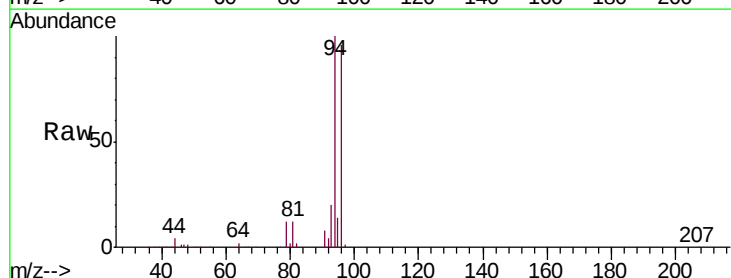
Acq: 25 Feb 2019 09:56

Tgt Ion: 94 Resp: 120173

Ion Ratio Lower Upper

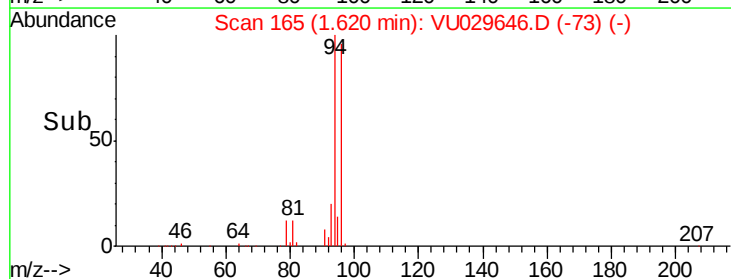
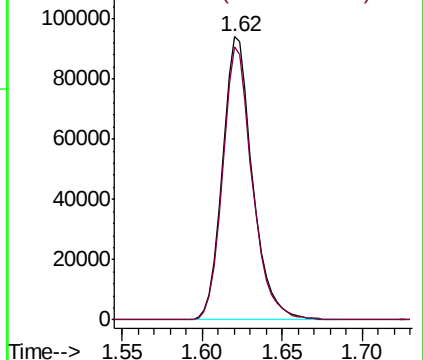
94 100

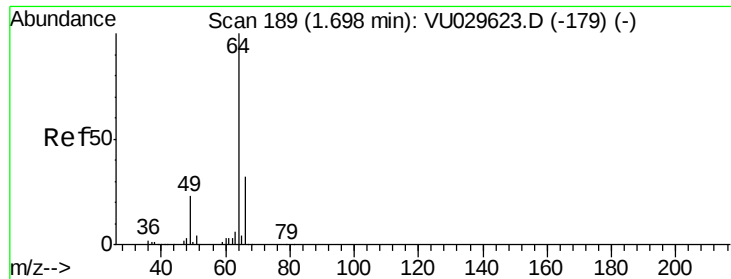
96 96.3 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 45.370 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

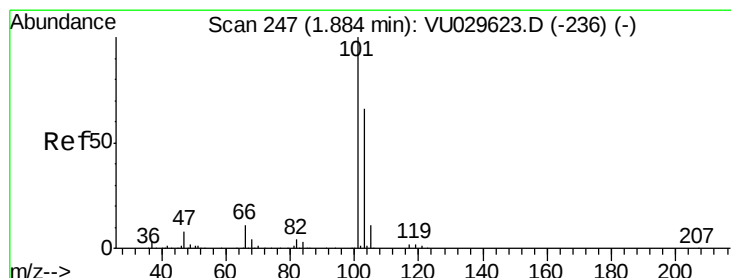
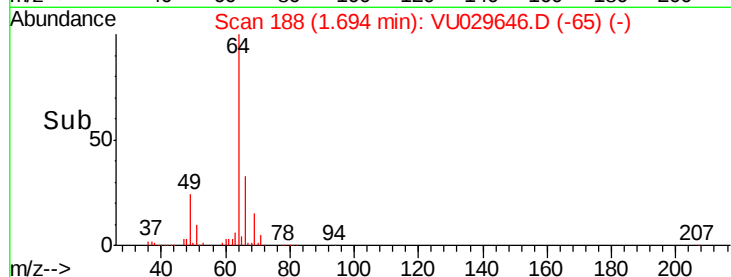
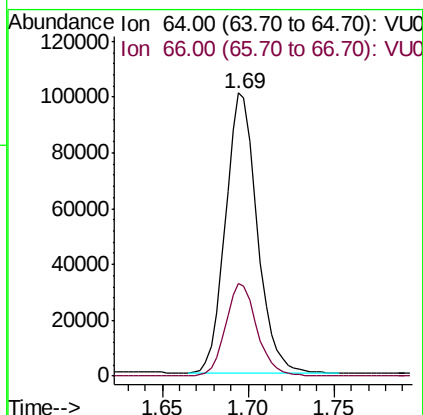
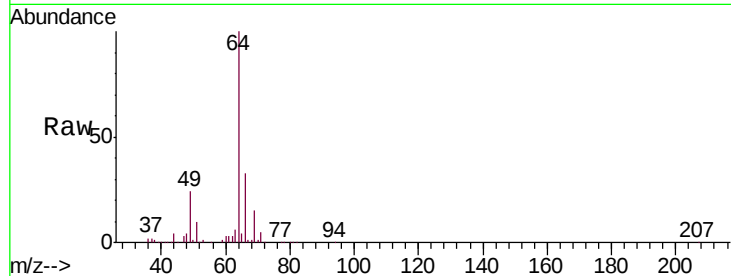
BFB49

Tgt Ion: 64 Resp: 129852

Ion Ratio Lower Upper

64 100

66 32.8 22.0 41.0



#9

Trichlorofluoromethane

Concen: 42.909 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029646.D

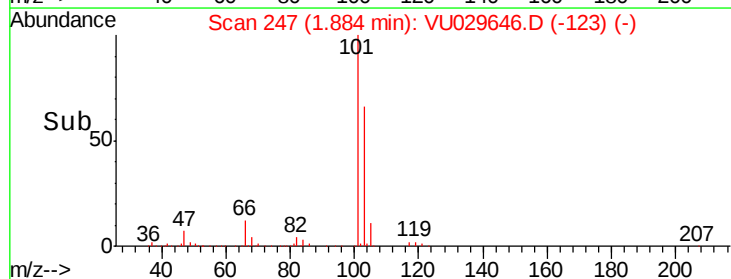
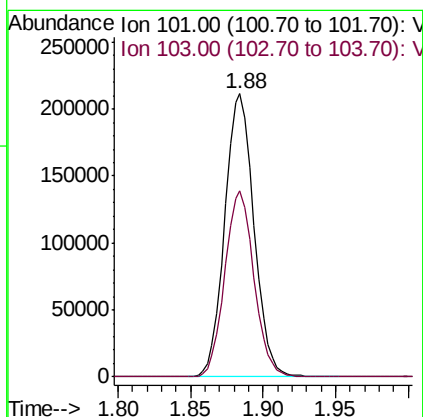
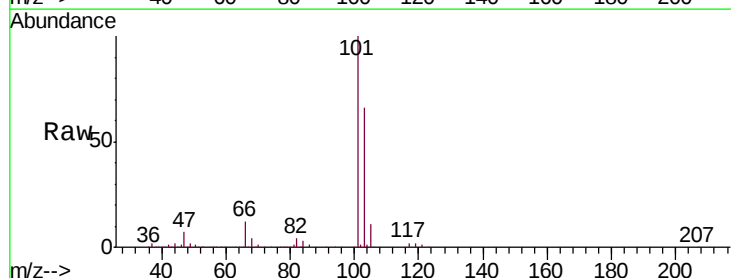
Acq: 25 Feb 2019 09:56

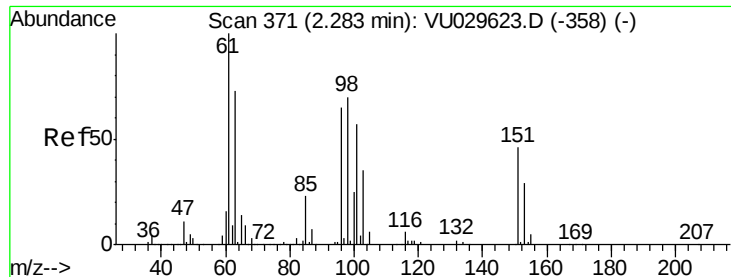
Tgt Ion: 101 Resp: 294334

Ion Ratio Lower Upper

101 100

103 65.7 51.4 77.2





#10

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

Concen: 48.587 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

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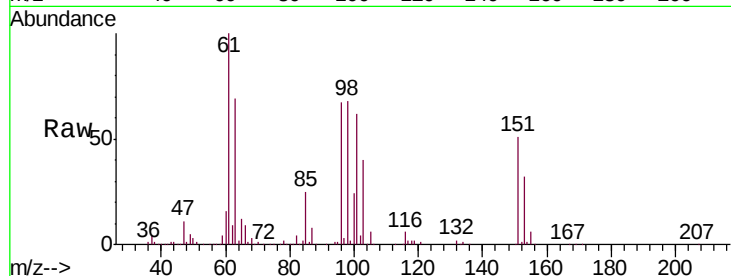
Tgt Ion:101 Resp: 178274

Ion Ratio Lower Upper

101 100

85 40.8 33.0 49.6

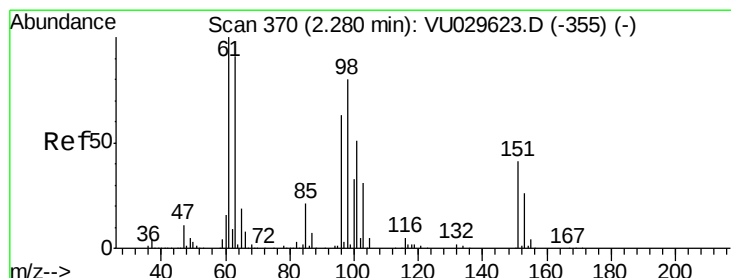
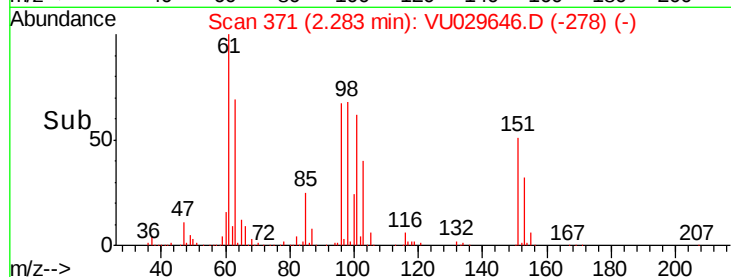
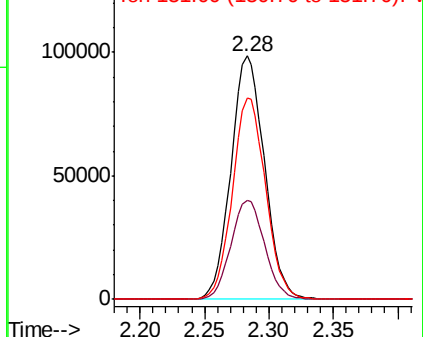
151 81.9 65.7 98.5



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: 47.686 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

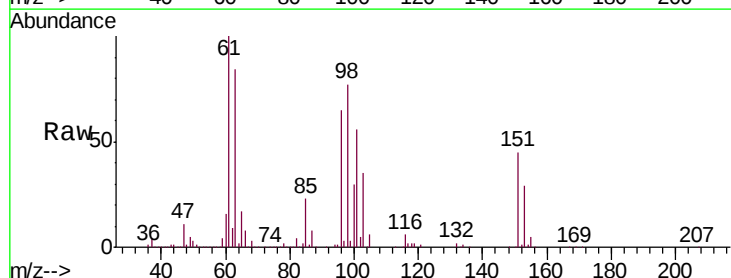
Tgt Ion: 96 Resp: 166341

Ion Ratio Lower Upper

96 100

61 152.7 114.0 211.8

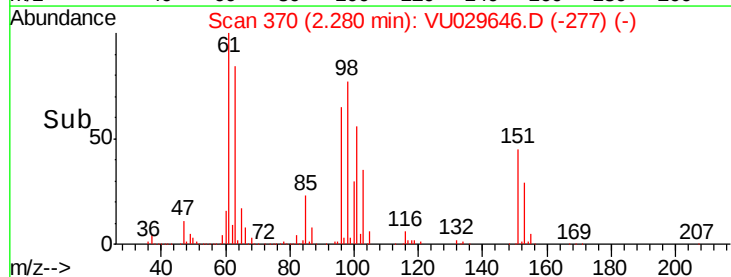
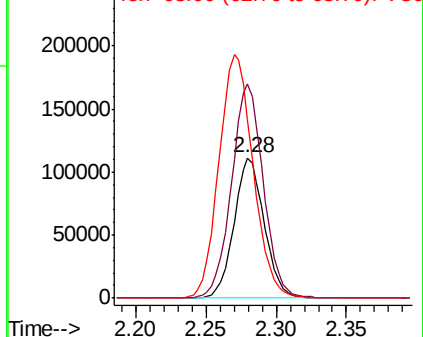
63 127.7 98.7 183.3

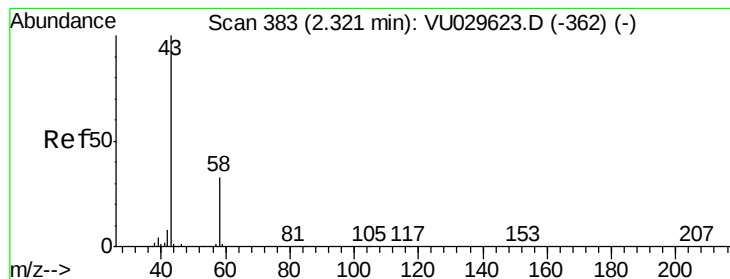


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 109.880 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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ClientSampleId :

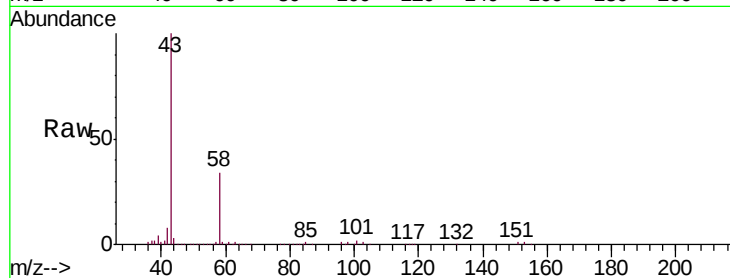
BFB49

Tgt Ion: 43 Resp: 275798

Ion Ratio Lower Upper

43 100

58 33.1 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029623.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU029623.D (-362) (-)

200000

150000

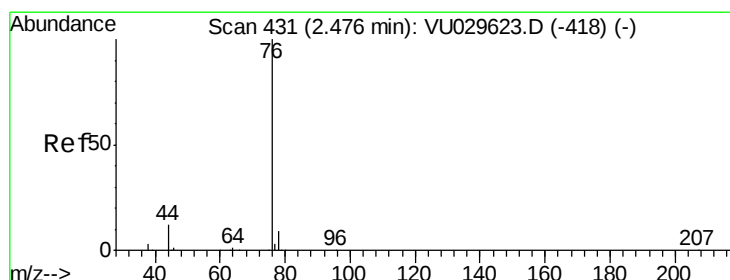
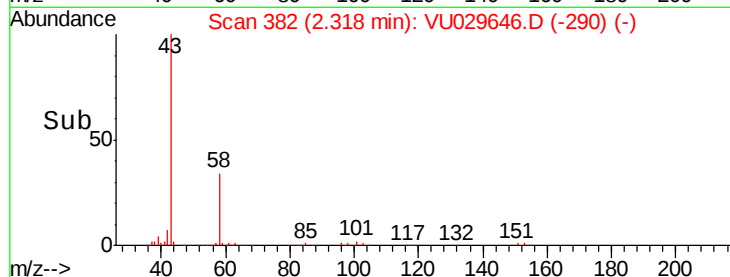
100000

50000

0

2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 53.437 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029646.D

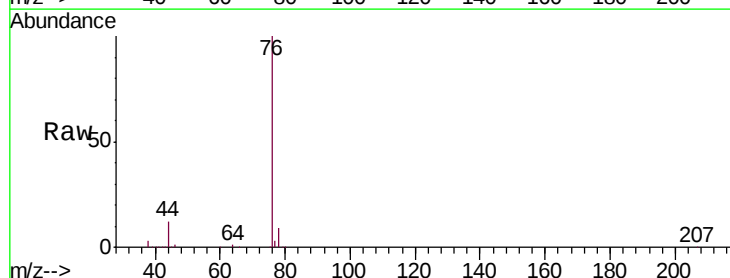
Acq: 25 Feb 2019 09:56

Tgt Ion: 76 Resp: 488173

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU029623.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU029623.D (-418) (-)

300000

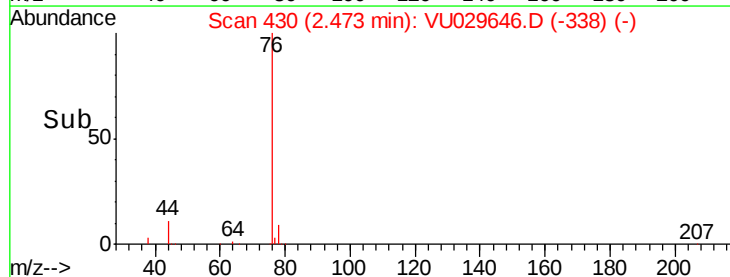
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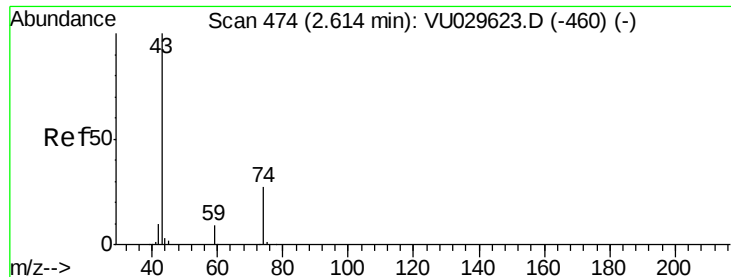
100000

0

2.40 2.45 2.50 2.55

Time-->





#15

Methyl Acetate

Concen: 55.829 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

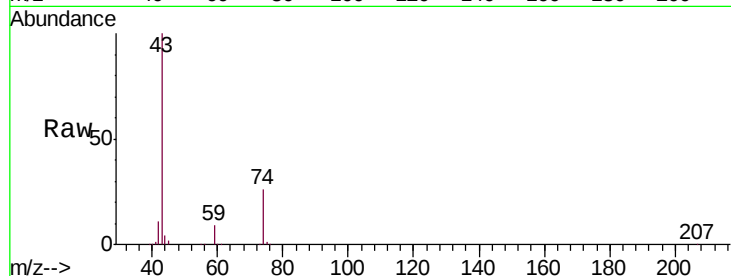
BFB49

Tgt Ion: 43 Resp: 181885

Ion Ratio Lower Upper

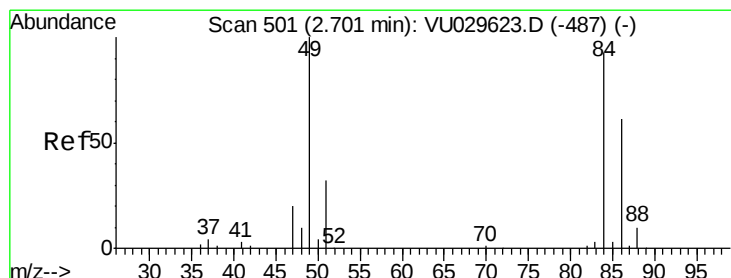
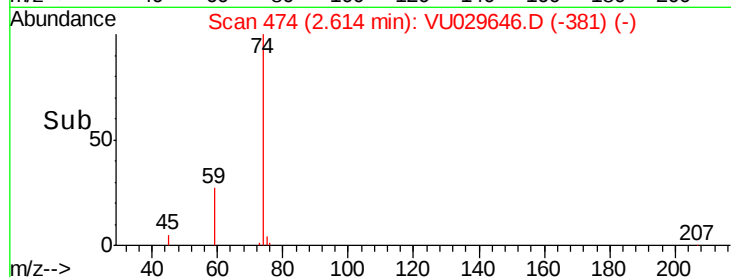
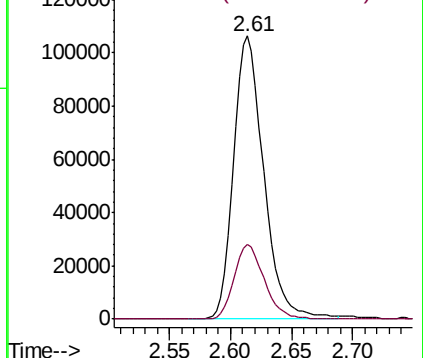
43 100

74 26.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 52.374 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

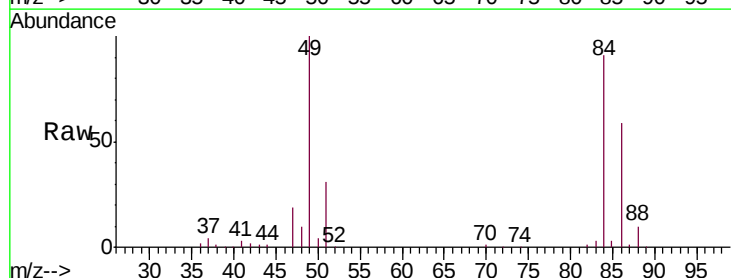
Tgt Ion: 84 Resp: 176780

Ion Ratio Lower Upper

84 100

86 65.0 45.8 85.0

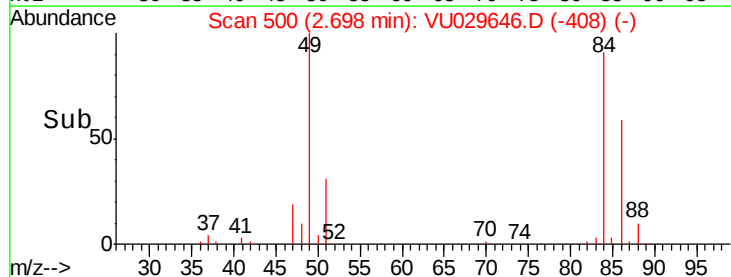
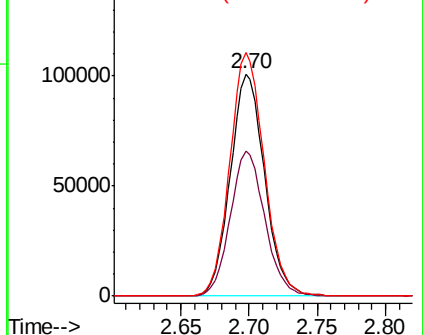
49 109.5 75.1 139.5

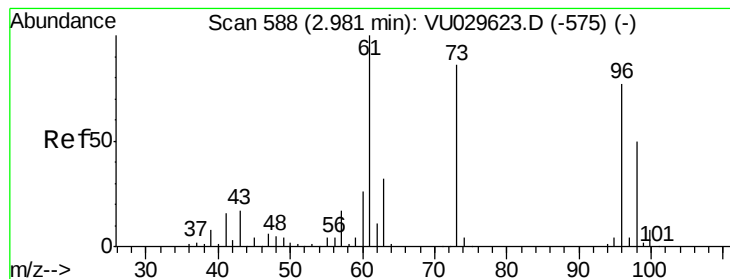


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 53.482 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

BFB49

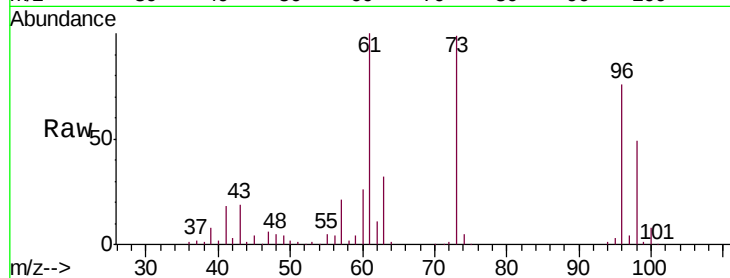
Tgt Ion: 96 Resp: 172189

Ion Ratio Lower Upper

96 100

61 131.6 88.3 163.9

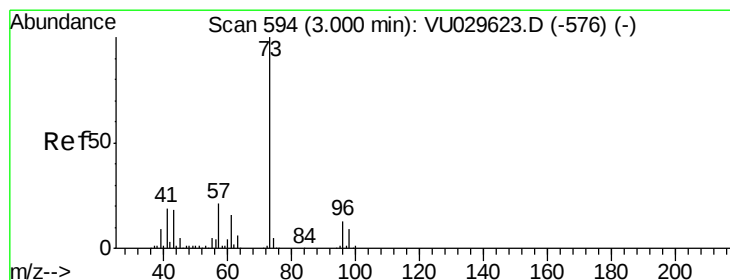
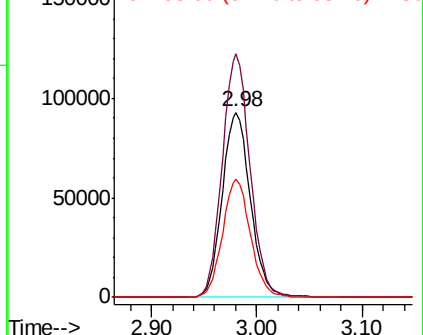
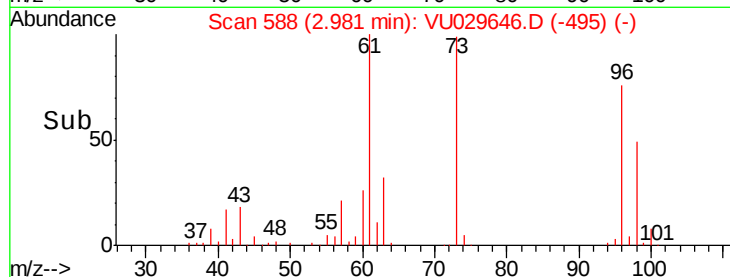
98 63.9 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 52.383 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

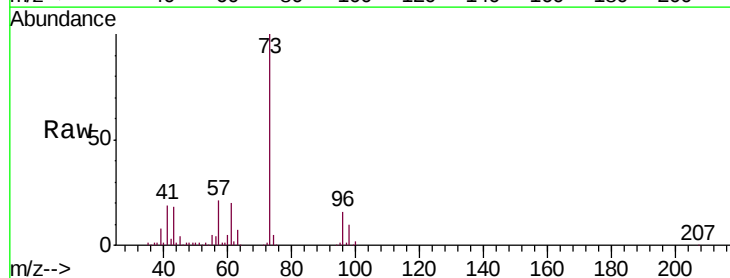
Tgt Ion: 73 Resp: 522141

Ion Ratio Lower Upper

73 100

43 17.9 14.8 22.2

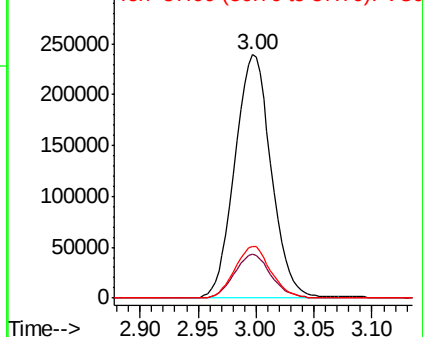
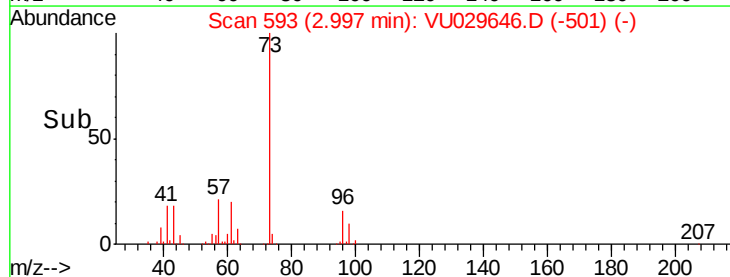
57 21.1 16.5 24.7

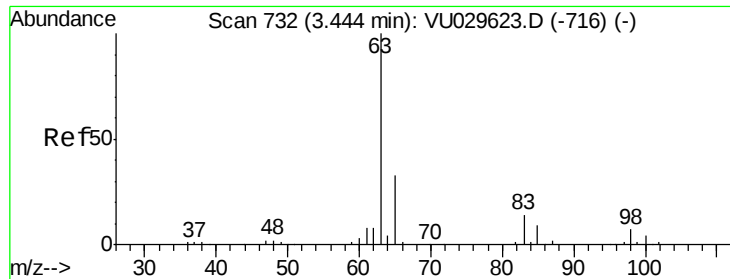


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

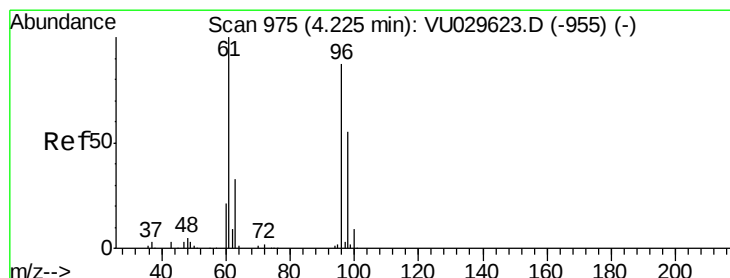
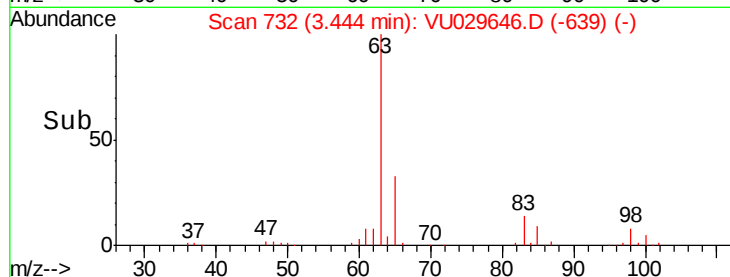
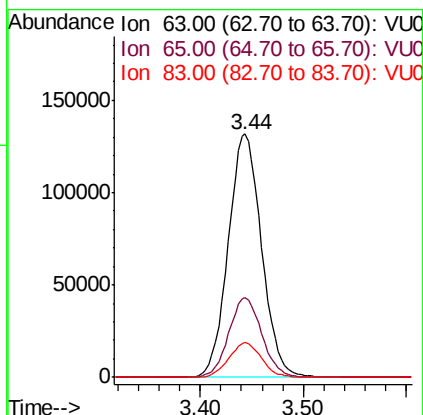
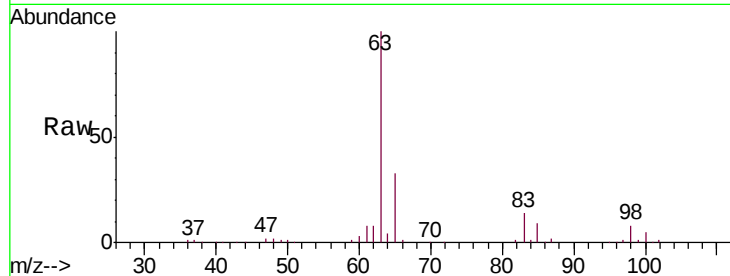




#19
 1,1-Dichloroethane
 Concen: 53.109 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

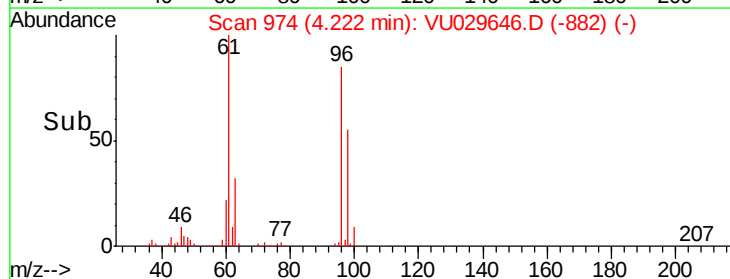
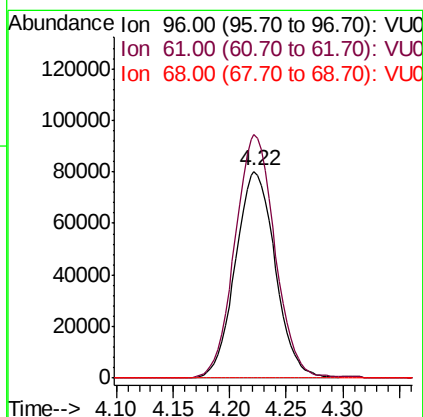
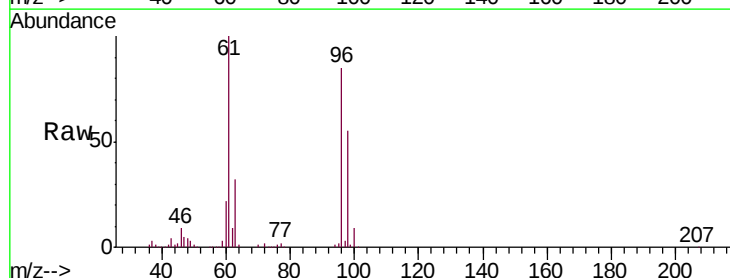
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB49

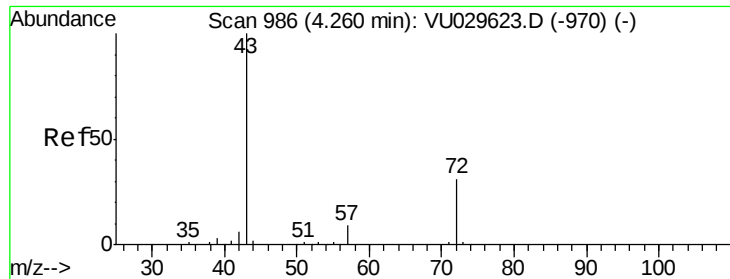
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.0	22.3	41.3
83	14.1	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 52.630 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.8	83.9	155.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 109.461 ug/L

RT: 4.26 min Scan# 985

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

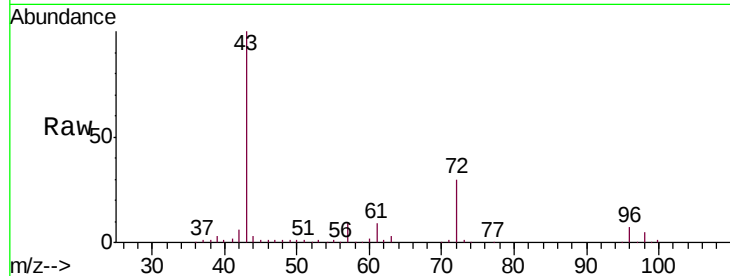
BFB49

Tgt Ion: 43 Resp: 313553

Ion Ratio Lower Upper

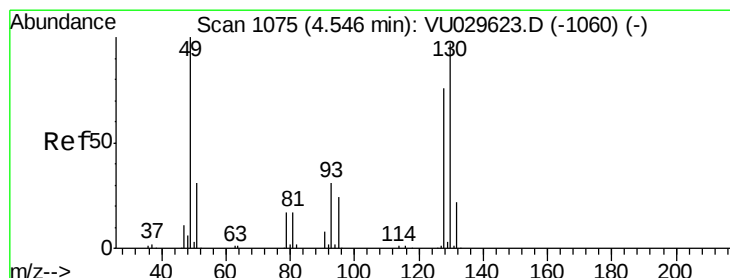
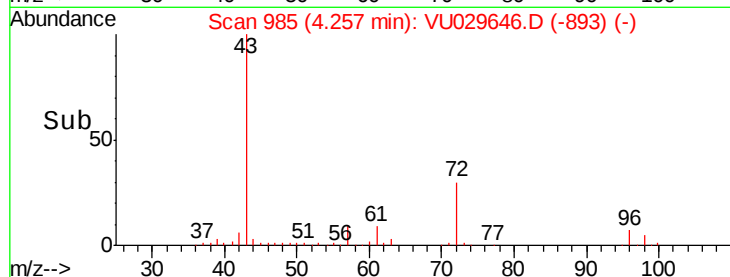
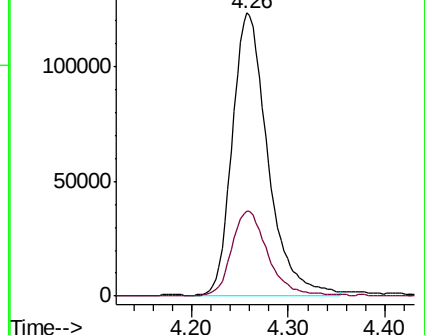
43 100

72 31.0 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029623.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU029623.D (-970) (-)



#23

Bromochloromethane

Concen: 51.396 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Tgt Ion:128 Resp: 105402

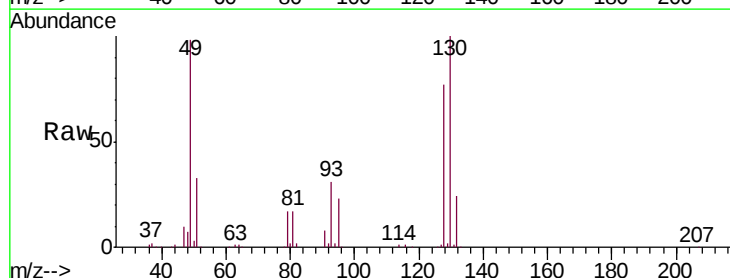
Ion Ratio Lower Upper

128 100

49 127.4 85.9 159.5

130 130.3 91.3 169.5

51 42.6 32.2 48.2

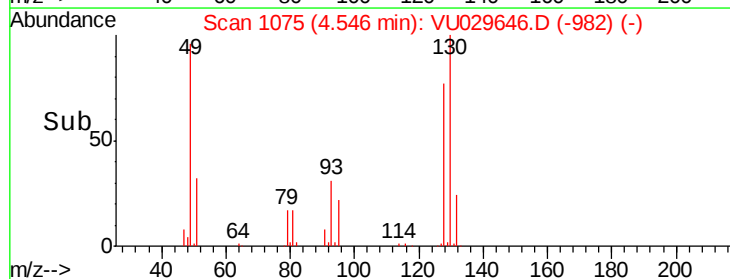
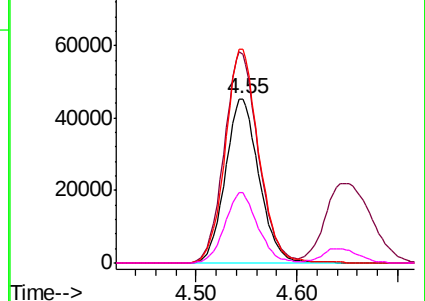


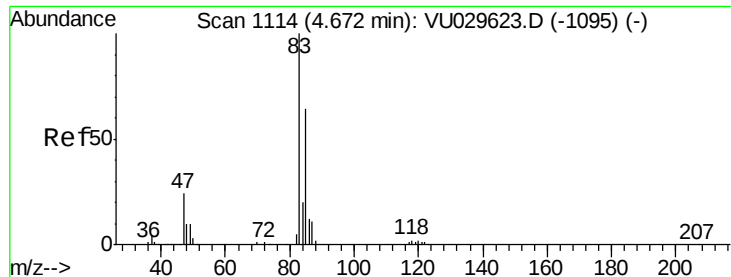
Abundance Ion 128.00 (127.70 to 128.70): VU029623.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU029623.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU029623.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU029623.D (-1060) (-)





#25

Chloroform

Concen: 51.843 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampled :

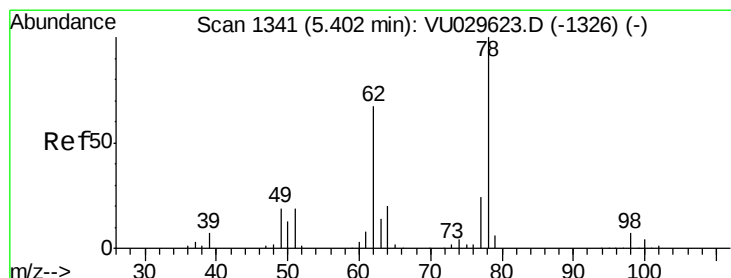
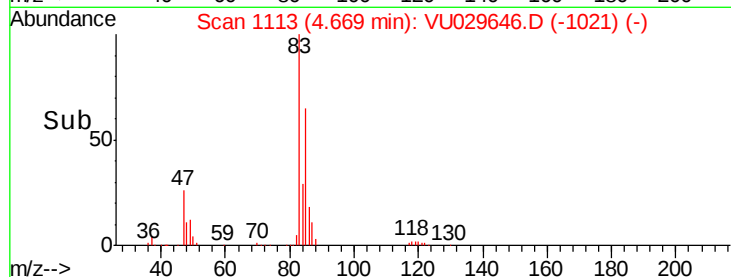
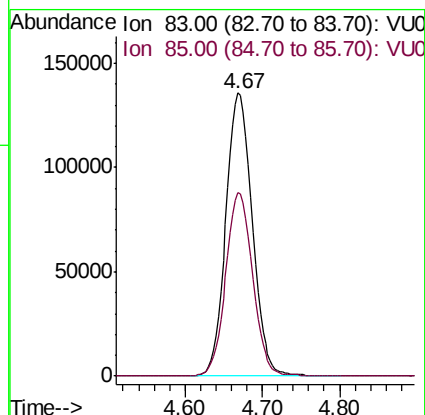
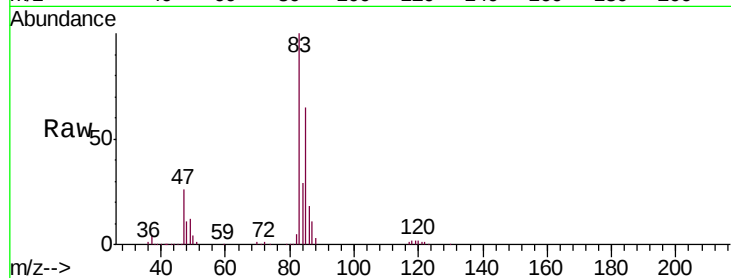
BFB49

Tgt Ion: 83 Resp: 322016

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.2



#27

1,2-Dichloroethane

Concen: 51.137 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029646.D

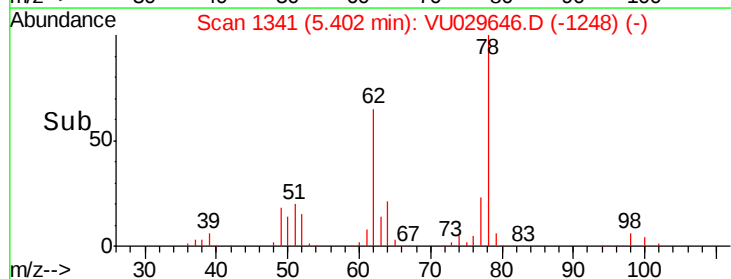
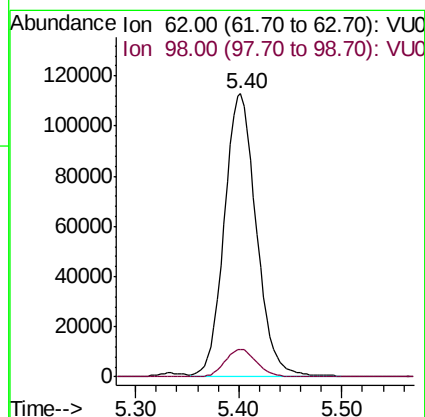
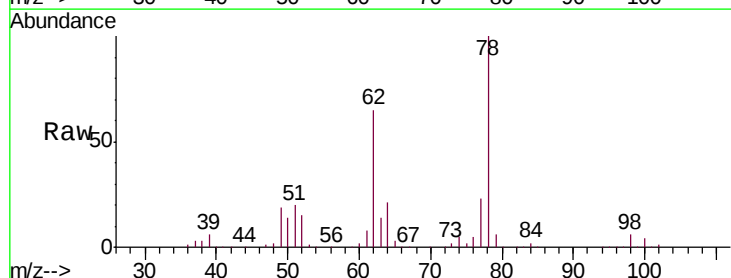
Acq: 25 Feb 2019 09:56

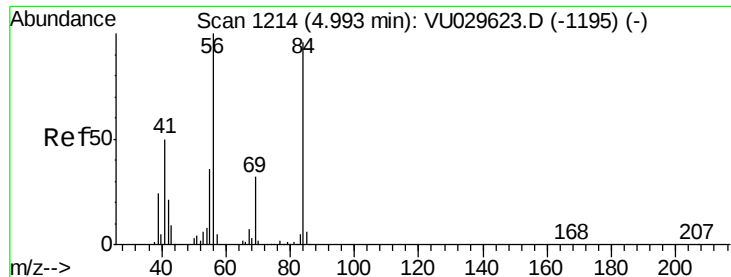
Tgt Ion: 62 Resp: 244208

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8

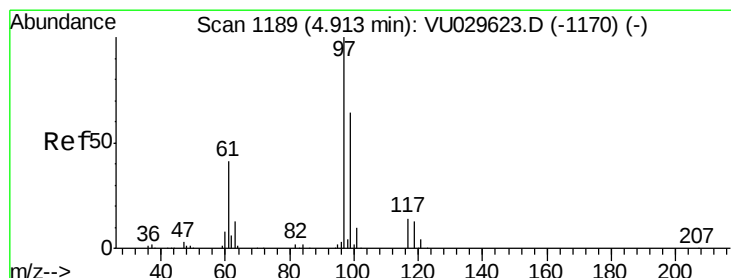
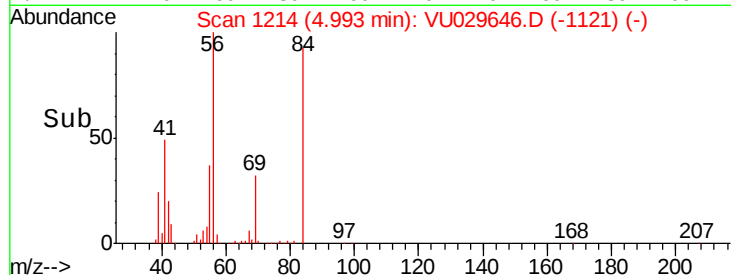
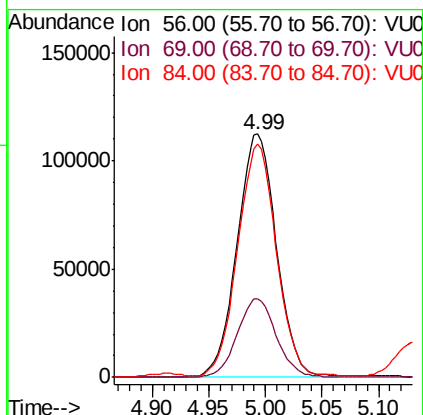
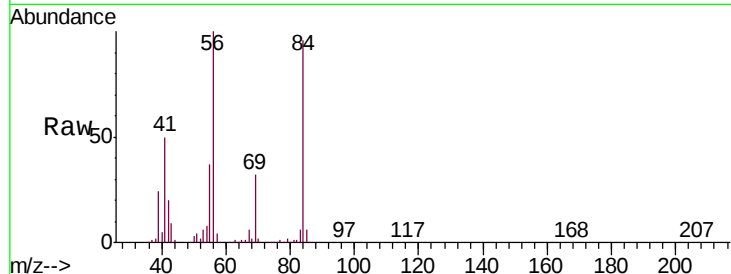




#29
Cyclohexane
Concen: 53.865 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU029646.D
Acq: 25 Feb 2019 09:56

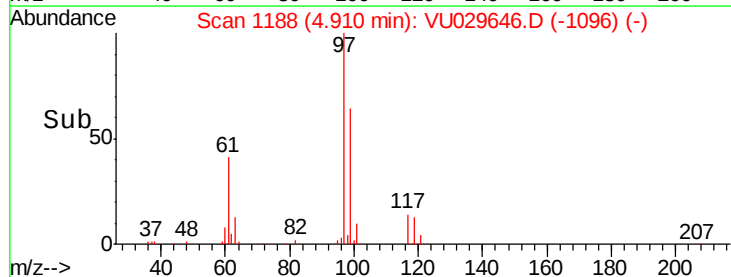
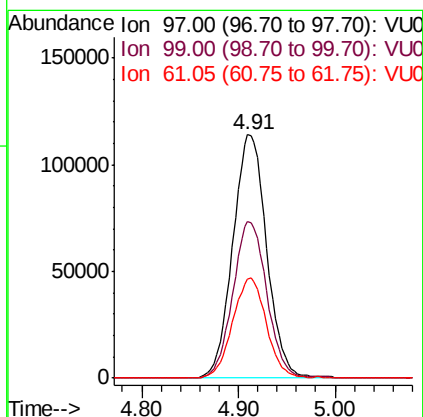
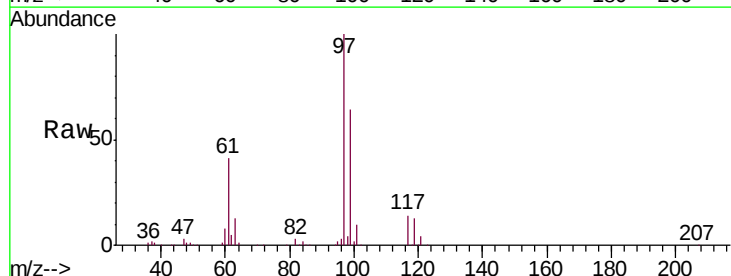
Instrument :
MSVOA_U
ClientSampleId :
BFB49

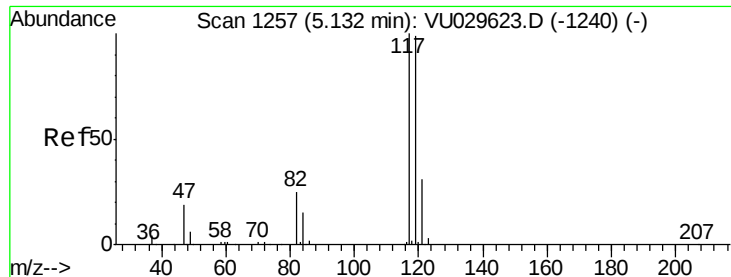
Tgt Ion: 56 Resp: 272452
Ion Ratio Lower Upper
56 100
69 31.9 25.7 38.5
84 95.0 77.1 115.7



#30
1,1,1-Trichloroethane
Concen: 51.168 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU029646.D
Acq: 25 Feb 2019 09:56

Tgt Ion: 97 Resp: 277294
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 40.9 32.3 48.5





#31

Carbon tetrachloride

Concen: 50.556 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

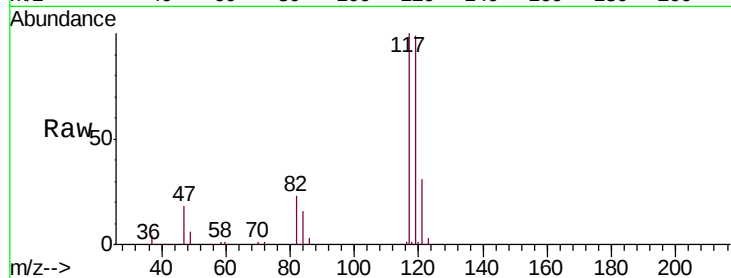
BFB49

Tgt Ion:117 Resp: 247980

Ion Ratio Lower Upper

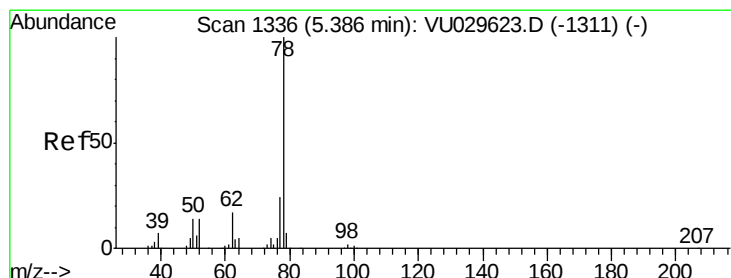
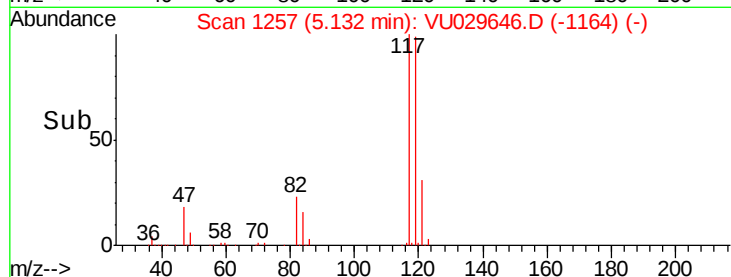
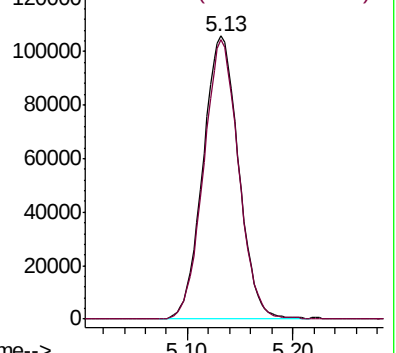
117 100

119 96.6 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.819 ug/L

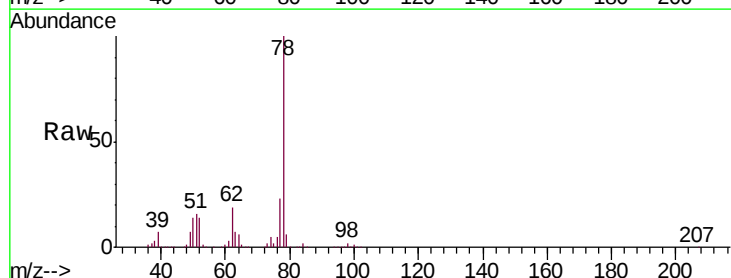
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

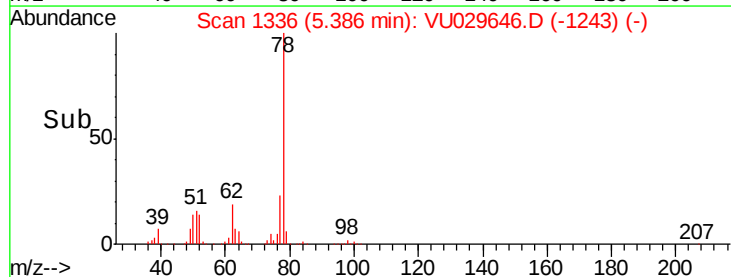
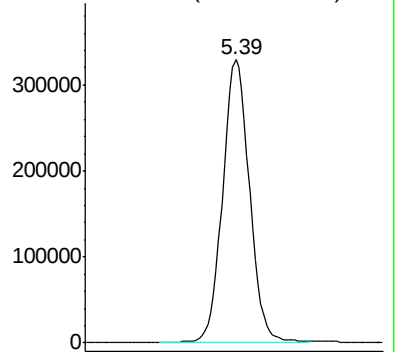
Lab File: VU029646.D

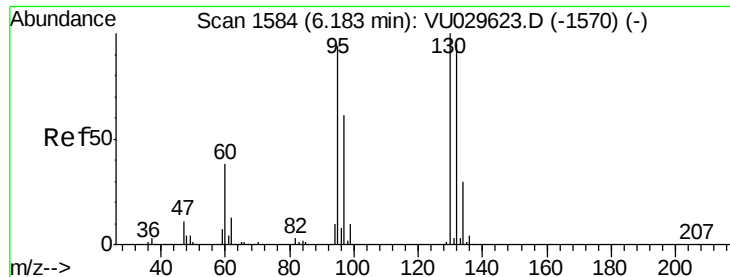
Acq: 25 Feb 2019 09:56

Tgt Ion: 78 Resp: 705244



Abundance Ion 78.00 (77.70 to 78.70): VU0

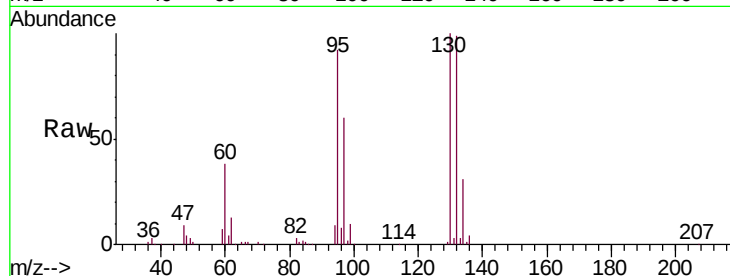




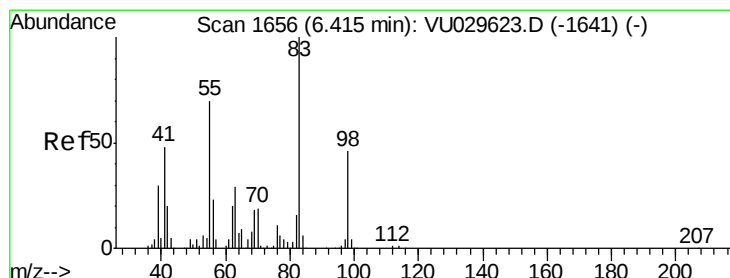
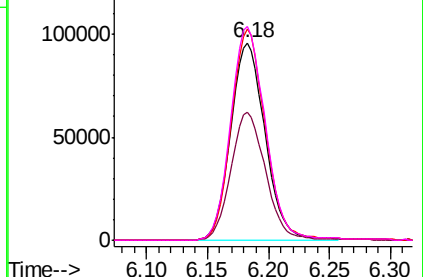
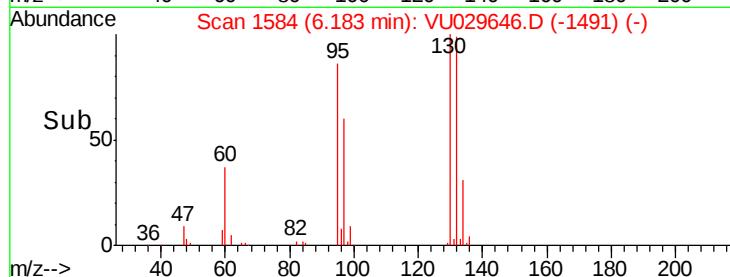
#34
 Trichloroethene
 Concen: 53.411 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB49

Tgt Ion:	95	Resp:	188545
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.6	82.8
132	106.8	74.6	138.6
130	108.3	77.2	143.4

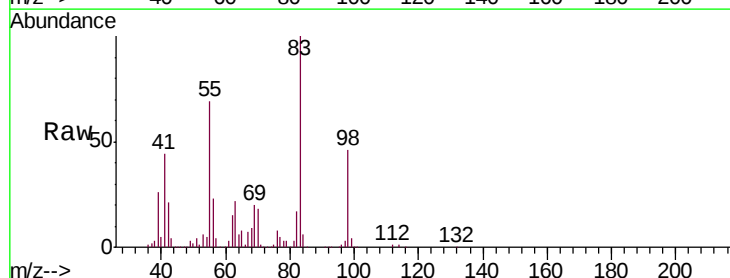


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

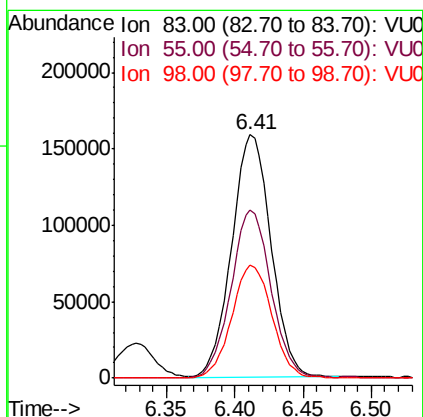
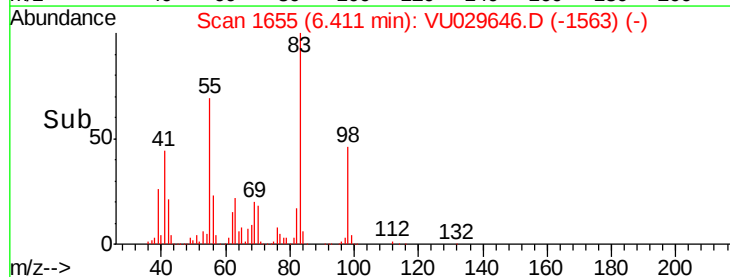


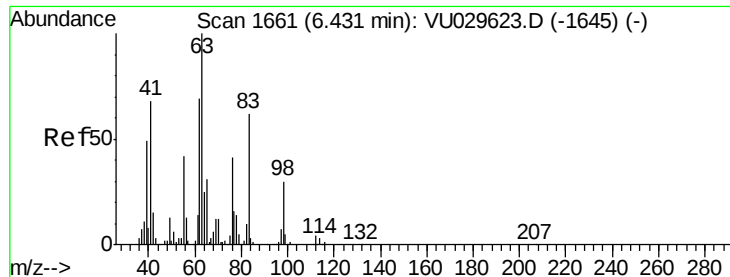
#35
 Methylcyclohexane
 Concen: 54.314 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

Tgt Ion:	83	Resp:	318415
Ion	Ratio	Lower	Upper
83	100		
55	70.5	55.2	82.8
98	47.7	39.4	59.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 53.791 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

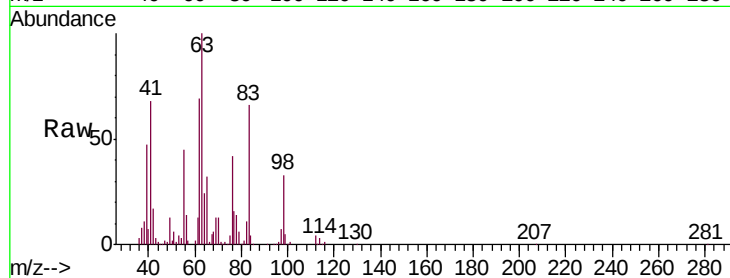
BFB49

Tgt Ion: 63 Resp: 185034

Ion Ratio Lower Upper

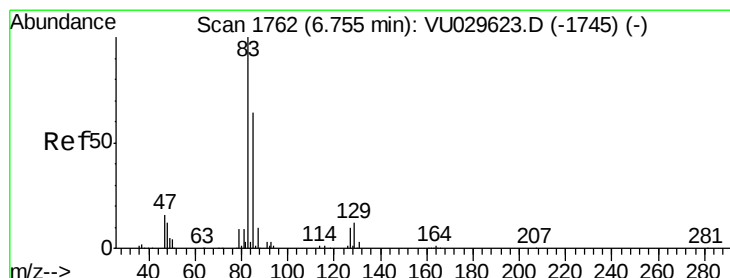
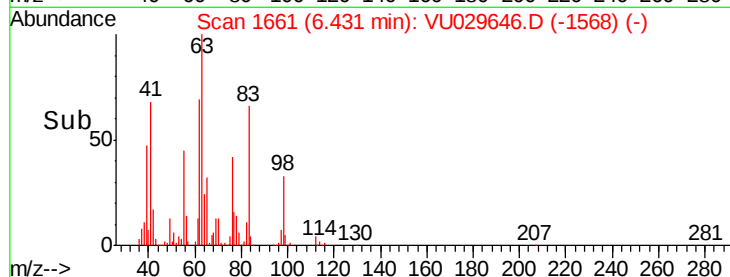
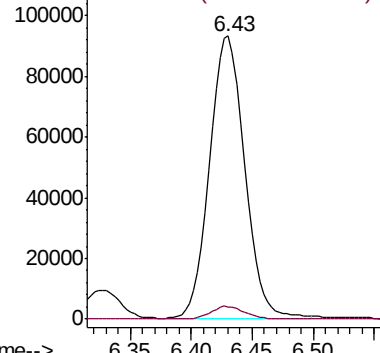
63 100

112 4.4 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 52.941 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

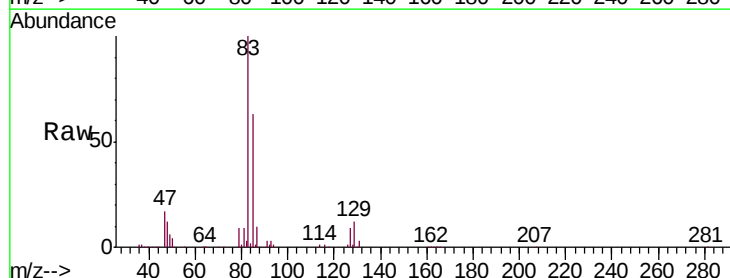
Tgt Ion: 83 Resp: 245512

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.0

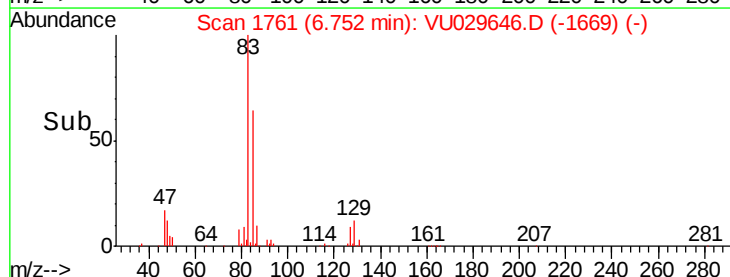
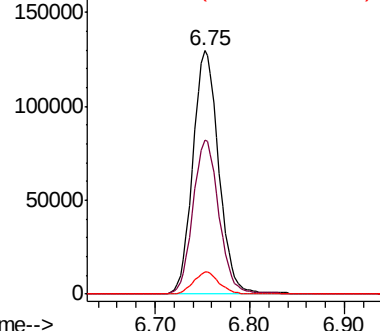
127 8.9 8.3 12.5

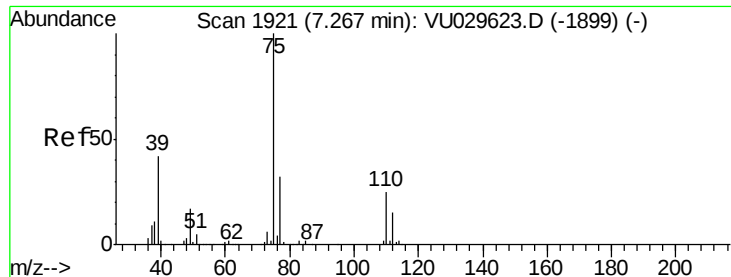


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

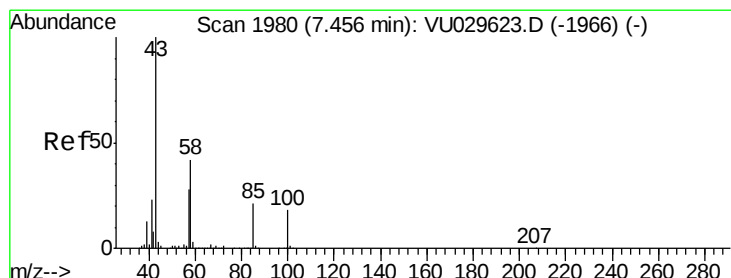
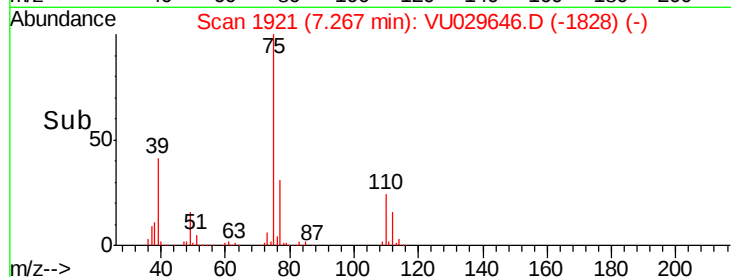
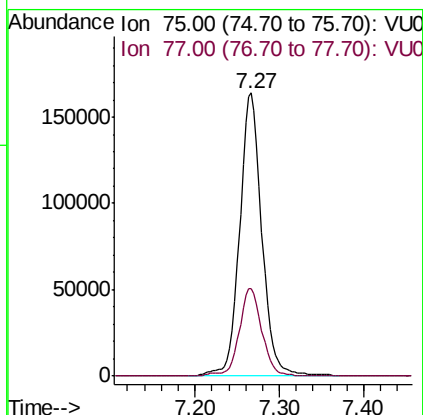
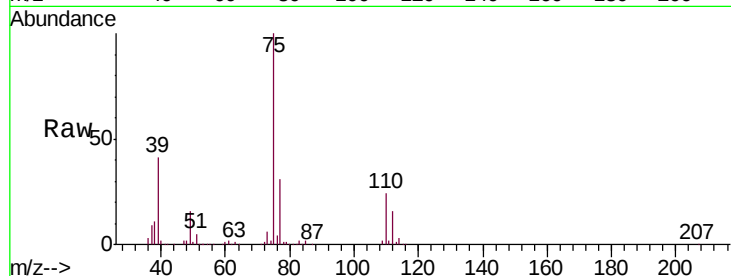




#39
 cis-1,3-Dichloropropene
 Concen: 54.505 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

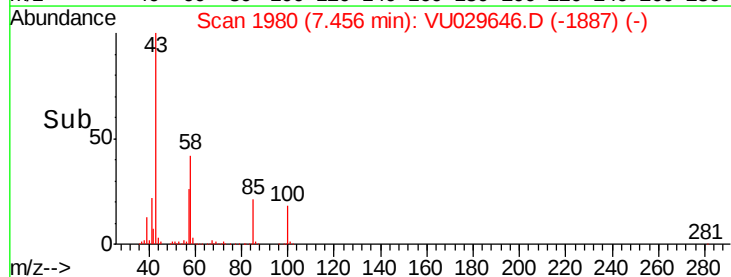
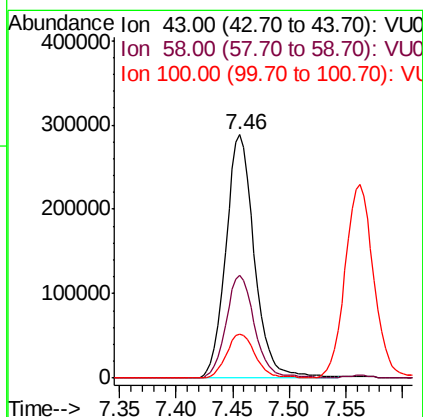
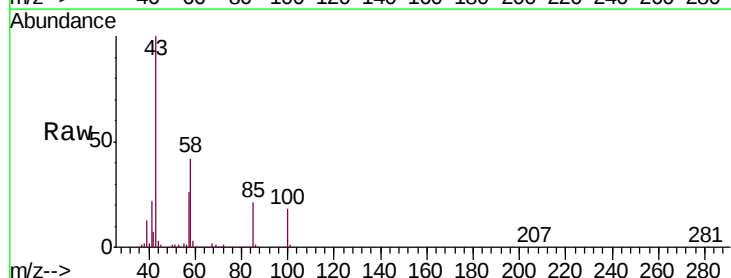
Instrument :
 MSVOA_U
 ClientSampled :
 BFB49

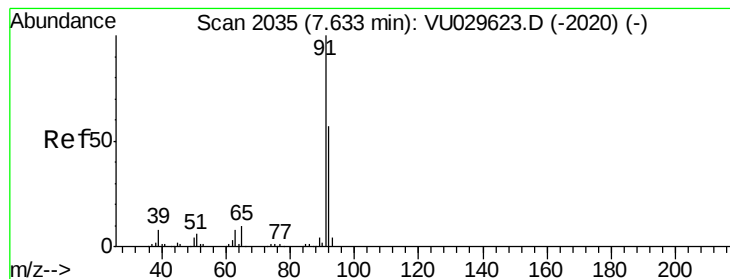
Tgt Ion: 75 Resp: 302498
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 104.764 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

Tgt Ion: 43 Resp: 506766
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.0 49.4
 100 18.5 14.5 21.7





#42

Toluene

Concen: 51.367 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

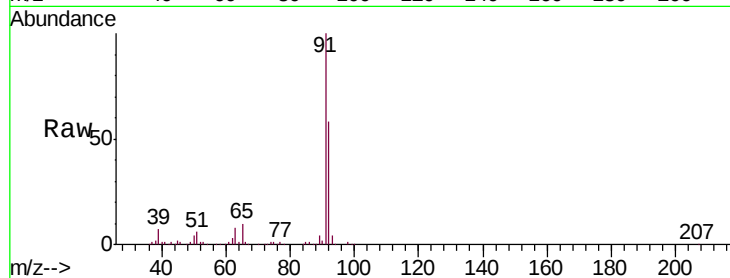
BFB49

Tgt Ion: 91 Resp: 796027

Ion Ratio Lower Upper

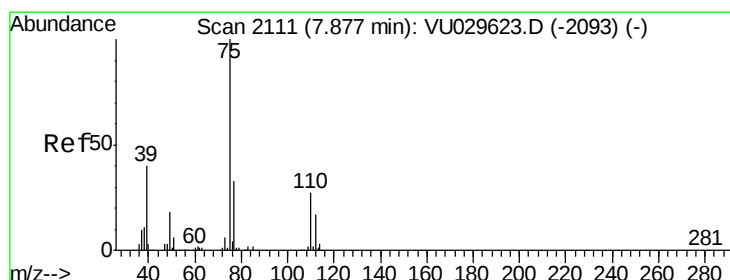
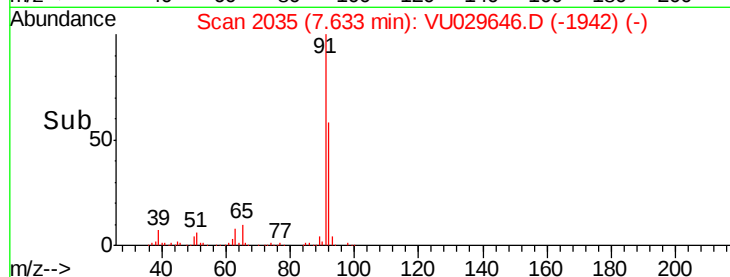
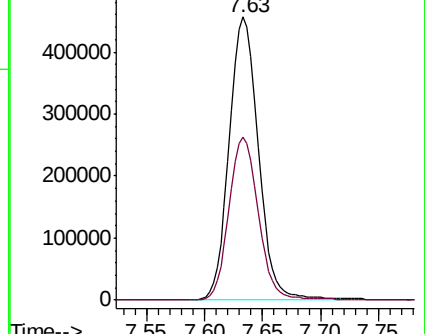
91 100

92 57.5 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 52.875 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU029646.D

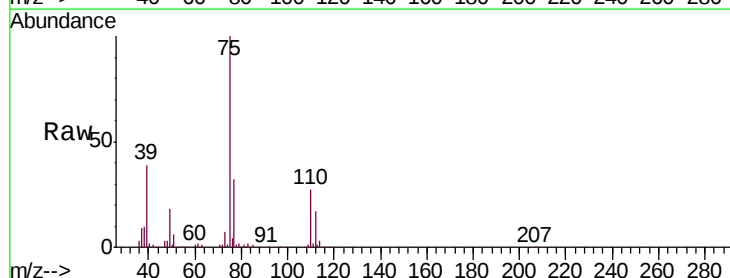
Acq: 25 Feb 2019 09:56

Tgt Ion: 75 Resp: 276561

Ion Ratio Lower Upper

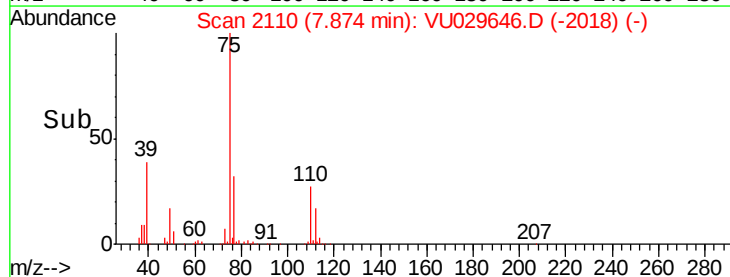
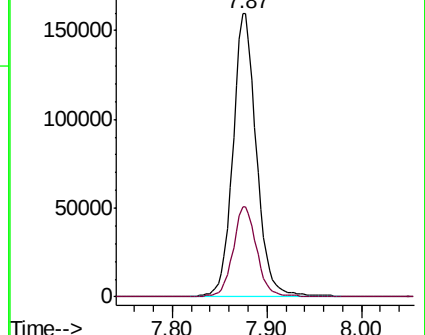
75 100

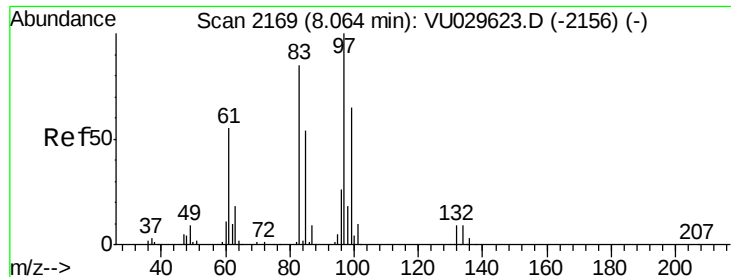
77 31.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 52.414 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

BFB49

Tgt Ion: 97 Resp: 192175

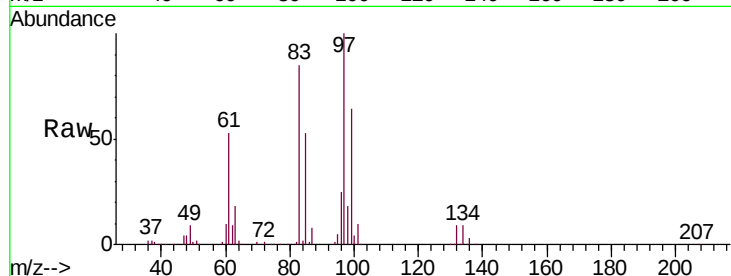
Ion Ratio Lower Upper

97 100

99 63.9 43.8 81.3

83 84.8 57.7 107.1

85 53.1 38.5 71.5

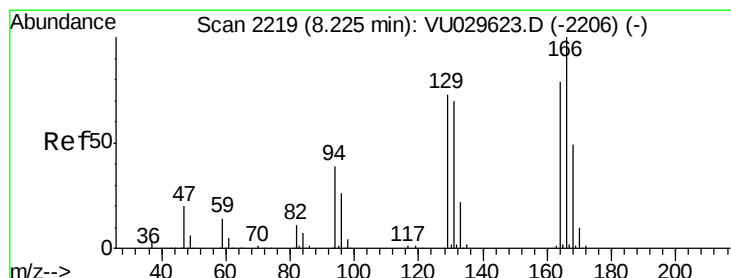
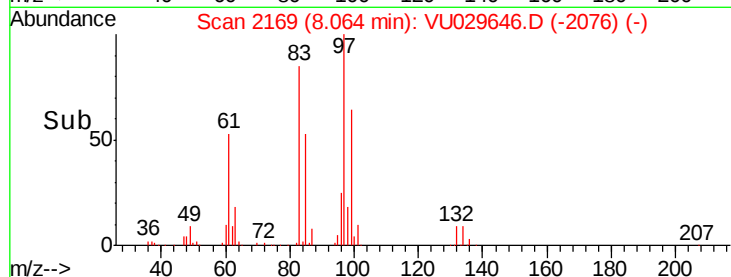
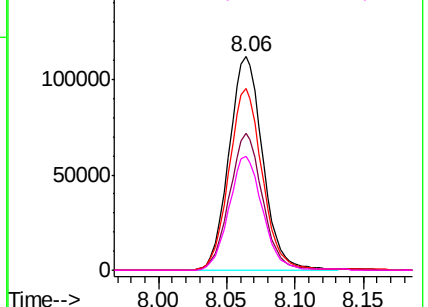


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.381 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Tgt Ion: 164 Resp: 174076

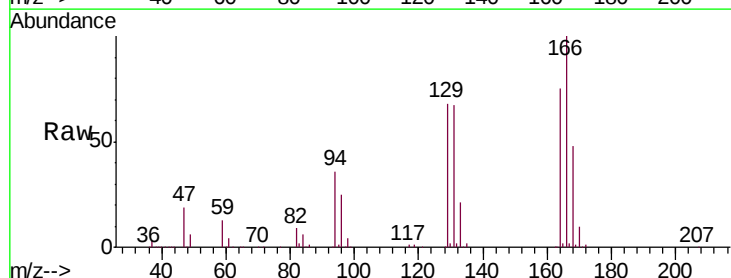
Ion Ratio Lower Upper

164 100

129 90.9 62.1 115.3

131 89.5 60.1 111.5

166 133.6 89.7 166.5

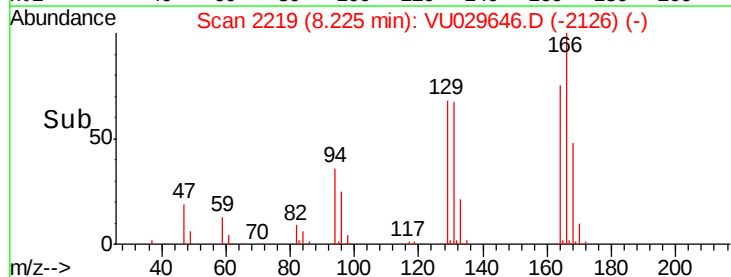
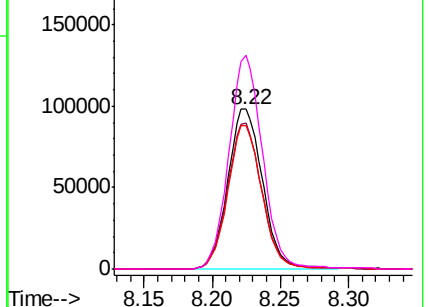


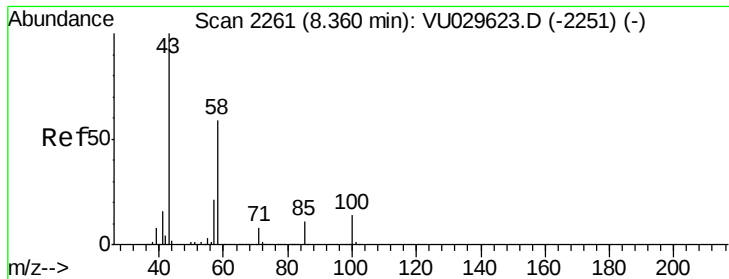
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

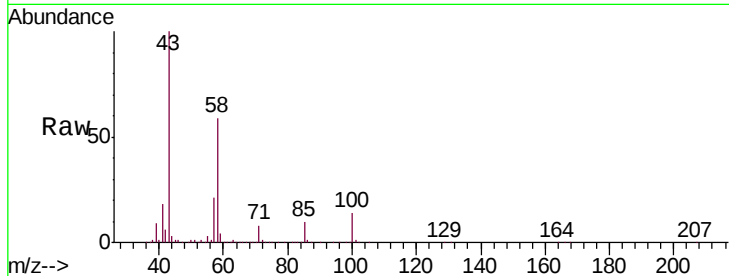




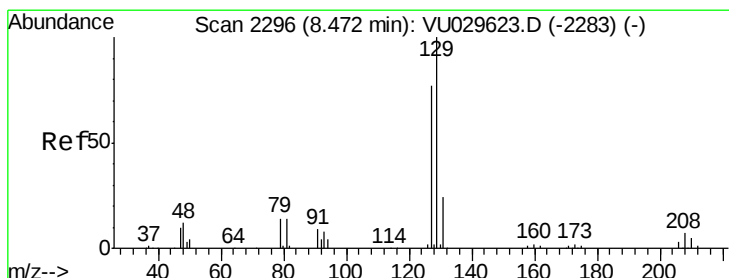
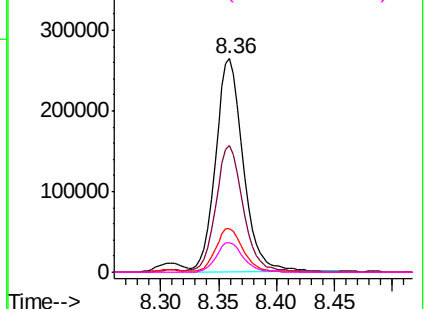
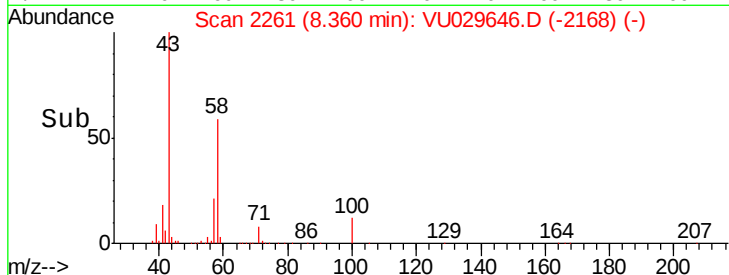
#48
2-Hexanone
Concen: 103.832 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU029646.D
Acq: 25 Feb 2019 09:56

Instrument :
MSVOA_U
ClientSampleId :
BFB49

Tgt Ion:	43	Resp:	438764
Ion	Ratio	Lower	Upper
43	100		
58	59.2	46.4	69.6
57	20.3	15.7	23.5
100	13.7	10.9	16.3

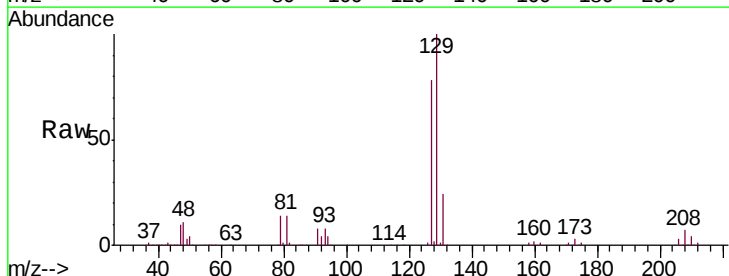


Abundance Ion 43.00 (42.70 to 43.70): VU029646.D (-2168) (-)
Ion 58.00 (57.70 to 58.70): VU029646.D (-2168) (-)
Ion 57.00 (56.70 to 57.70): VU029646.D (-2168) (-)
Ion 100.00 (99.70 to 100.70): VU029646.D (-2168) (-)

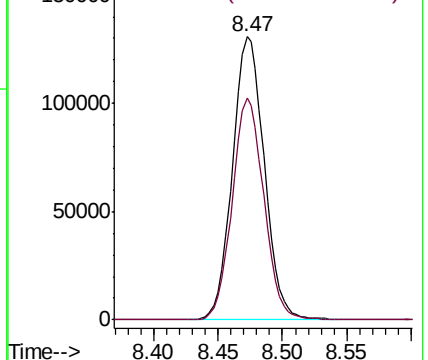
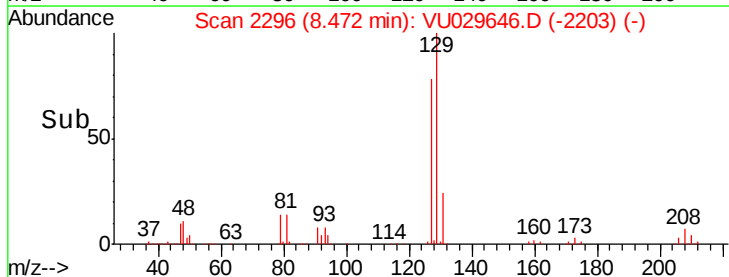


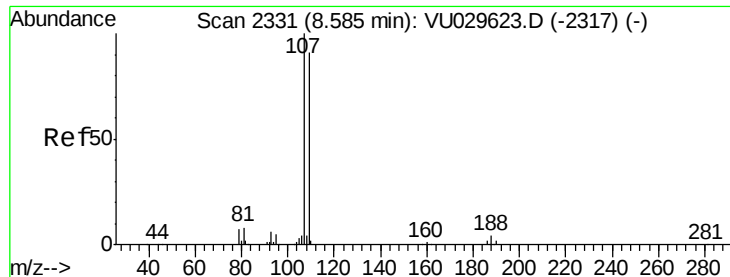
#49
Dibromochloromethane
Concen: 50.516 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029646.D
Acq: 25 Feb 2019 09:56

Tgt Ion:	129	Resp:	224538
Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): VU029646.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU029646.D (-2203) (-)

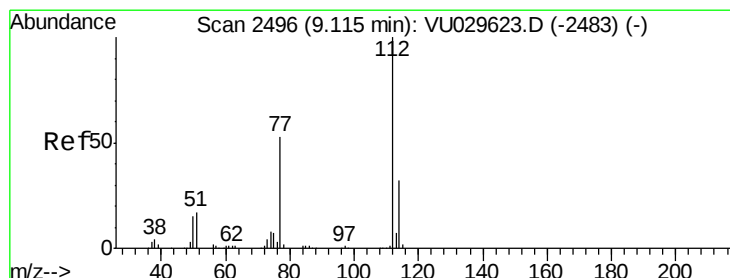
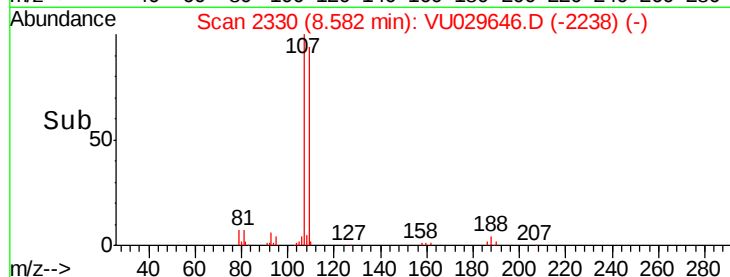
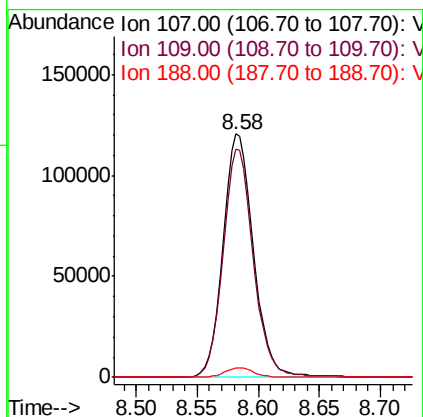
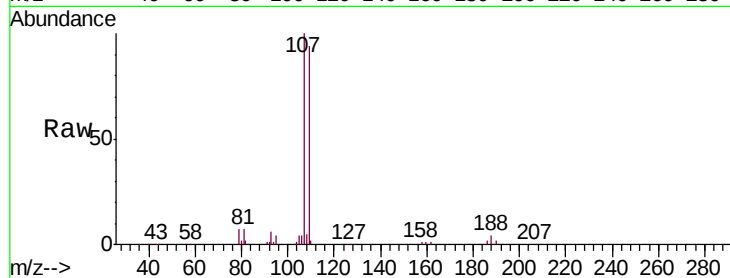




#50
1,2-Dibromoethane
Concen: 51.816 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU029646.D
Acq: 25 Feb 2019 09:56

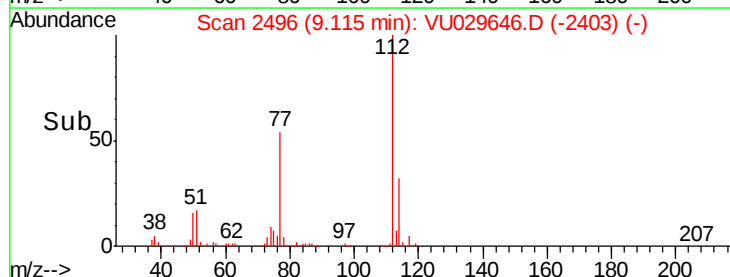
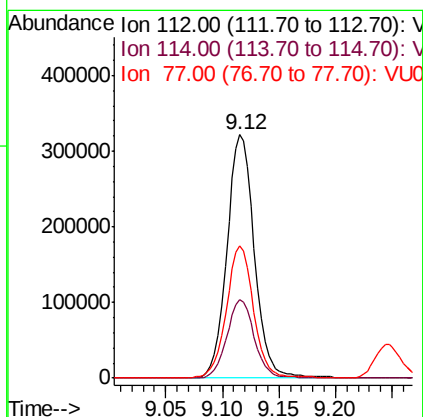
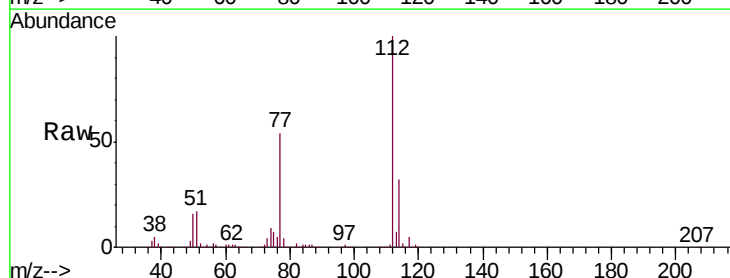
Instrument :
MSVOA_U
ClientSampleId :
BFB49

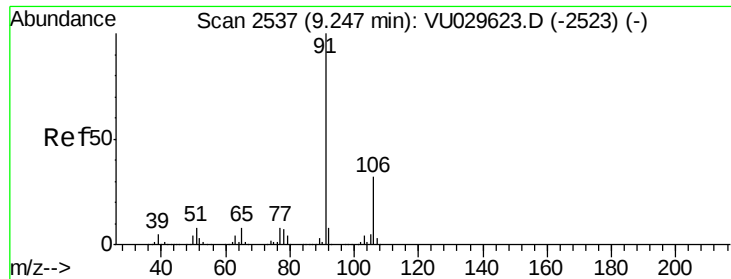
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.4	123.4
188	4.0	3.5	5.3



#51
Chlorobenzene
Concen: 51.063 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029646.D
Acq: 25 Feb 2019 09:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	54.4	42.1	63.1





#52

Ethylbenzene

Concen: 51.293 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

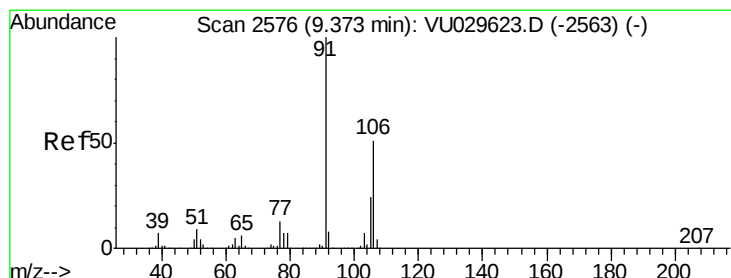
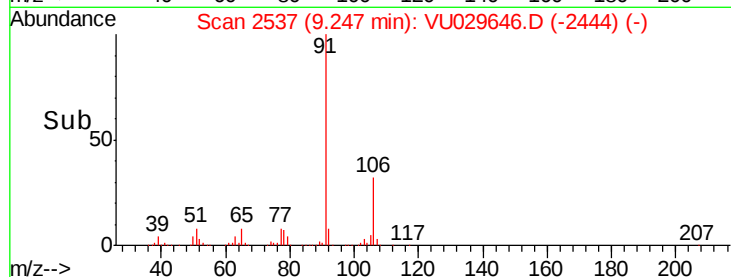
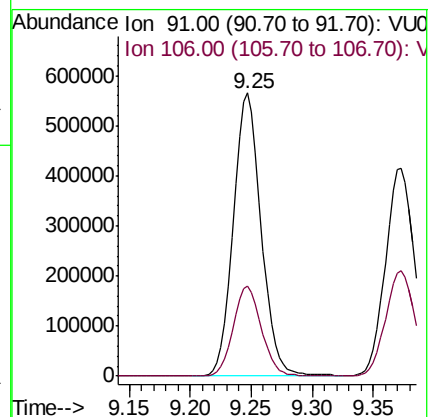
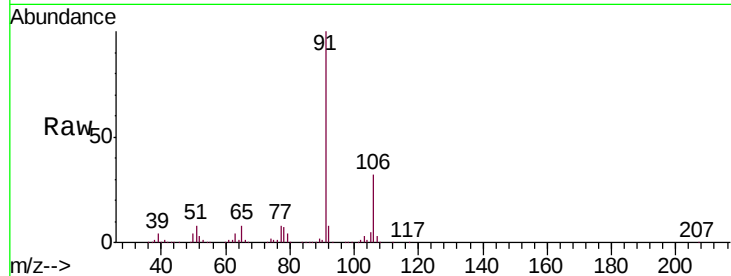
BFB49

Tgt Ion: 91 Resp: 902768

Ion Ratio Lower Upper

91 100

106 31.8 22.7 42.1



#53

m,p-Xylene

Concen: 50.470 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029646.D

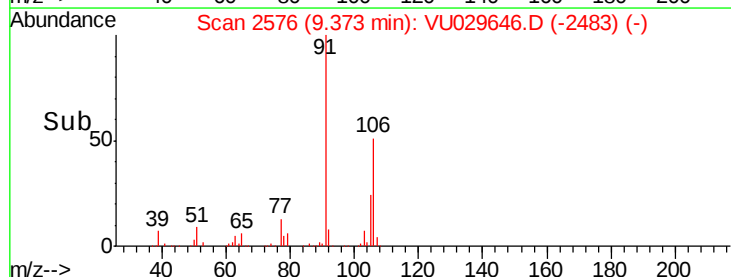
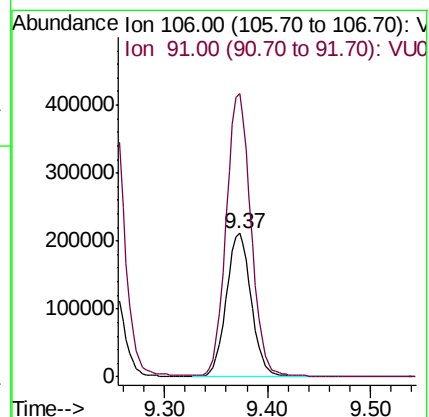
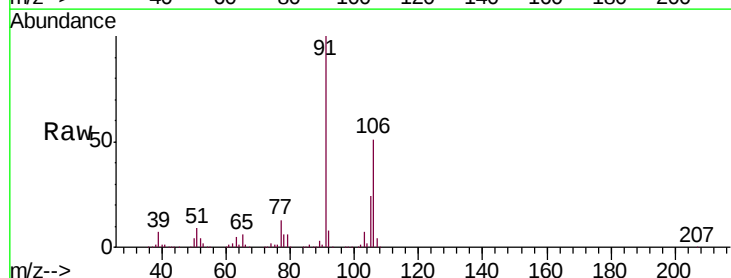
Acq: 25 Feb 2019 09:56

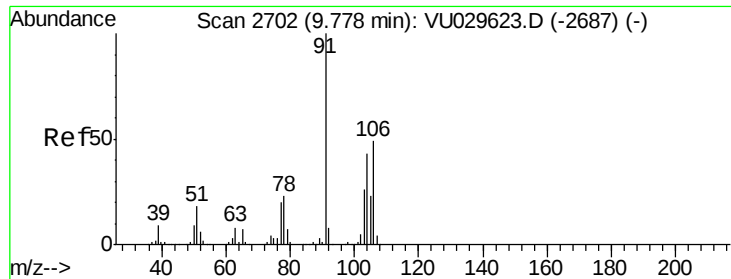
Tgt Ion: 106 Resp: 356574

Ion Ratio Lower Upper

106 100

91 197.4 135.3 251.3





#54

o-xylene

Concen: 49.845 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

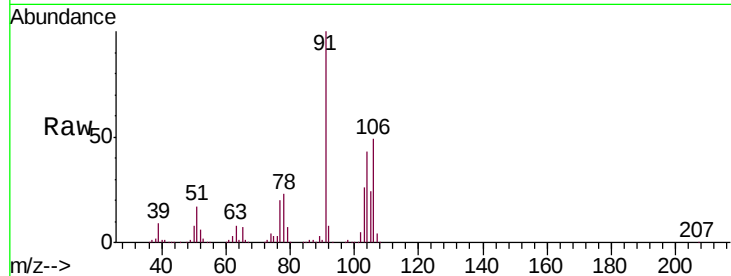
BFB49

Tgt Ion:106 Resp: 353731

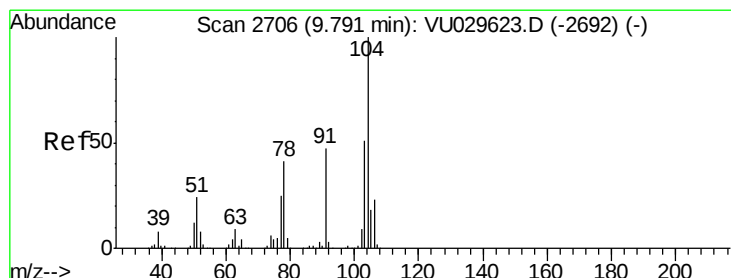
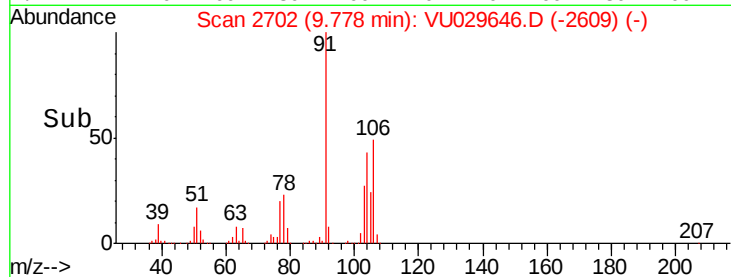
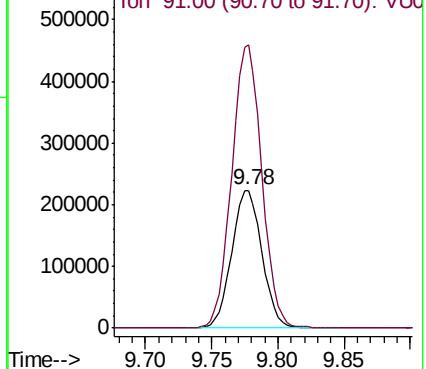
Ion Ratio Lower Upper

106 100

91 205.9 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 50.320 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029646.D

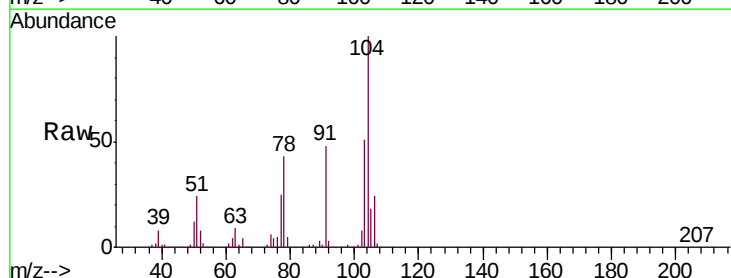
Acq: 25 Feb 2019 09:56

Tgt Ion:104 Resp: 602830

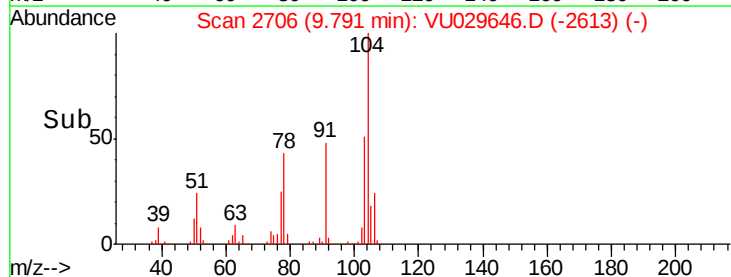
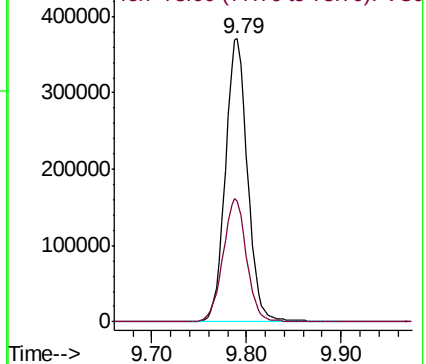
Ion Ratio Lower Upper

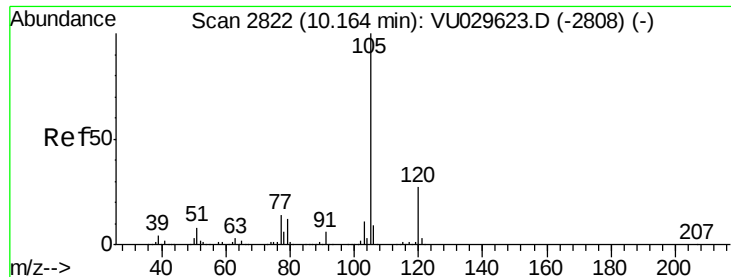
104 100

78 42.5 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

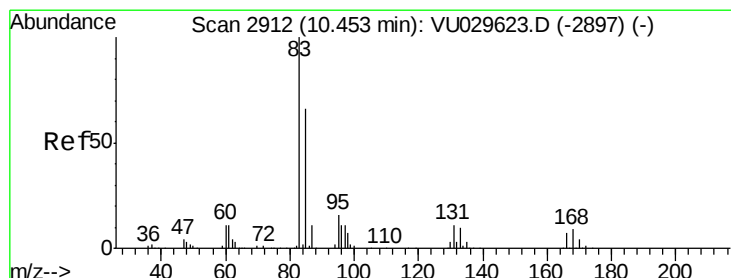
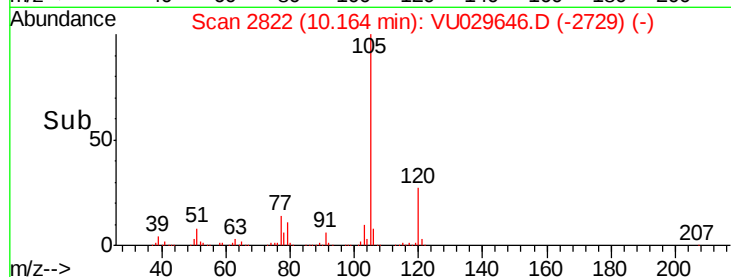
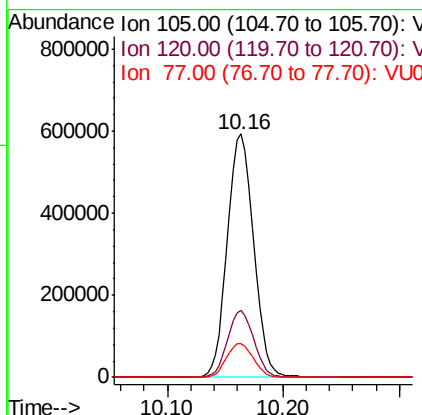
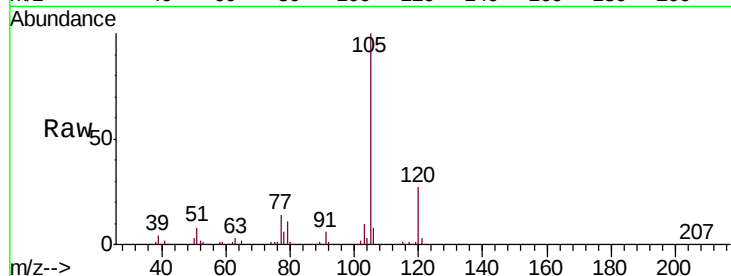




#56
Isopropylbenzene
Concen: 49.930 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU029646.D
Acq: 25 Feb 2019 09:56

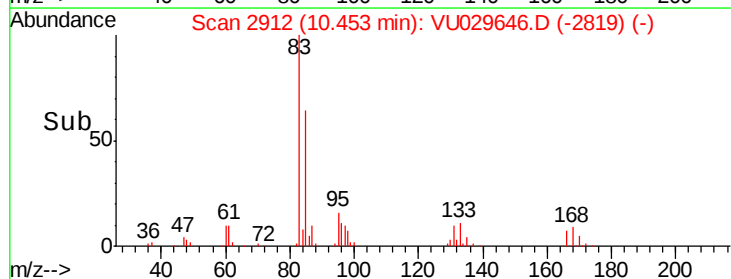
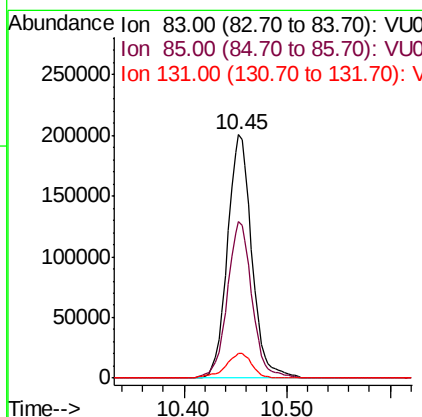
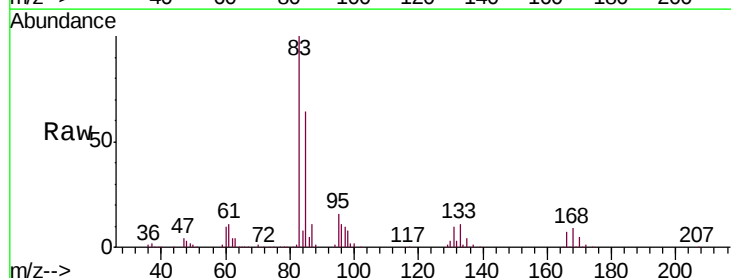
Instrument :
MSVOA_U
ClientSampleId :
BFB49

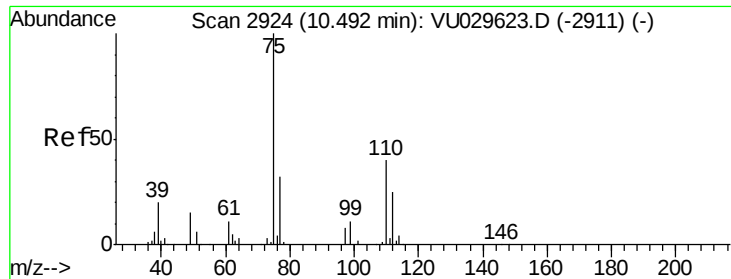
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.9	32.9
77	14.2	11.7	17.5



#58
1,1,2,2-Tetrachloroethane
Concen: 50.925 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU029646.D
Acq: 25 Feb 2019 09:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	45.5	84.5
131	10.0	8.6	12.8





#59

1,2,3-Trichloropropane

Concen: 50.772 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

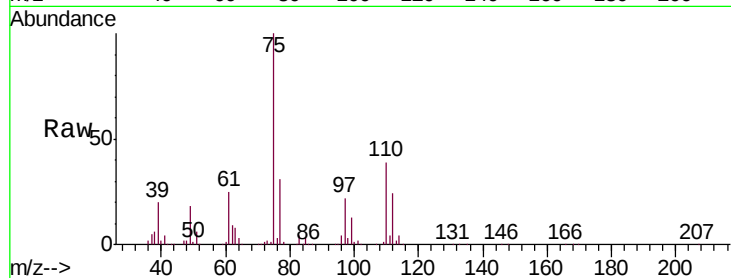
BFB49

Tgt Ion: 75 Resp: 249019

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU029623.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU029623.D (-2911) (-)

10.49

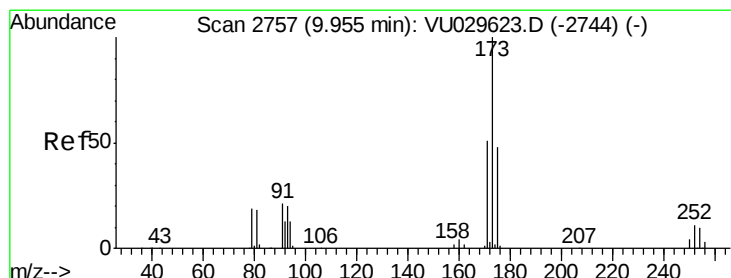
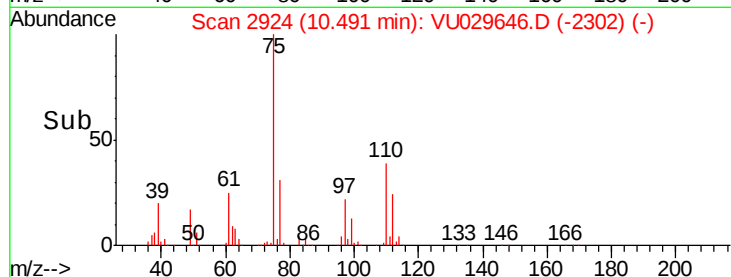
150000

100000

50000

0

Time--> 10.40 10.50 10.60



#61

Bromoform

Concen: 48.121 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

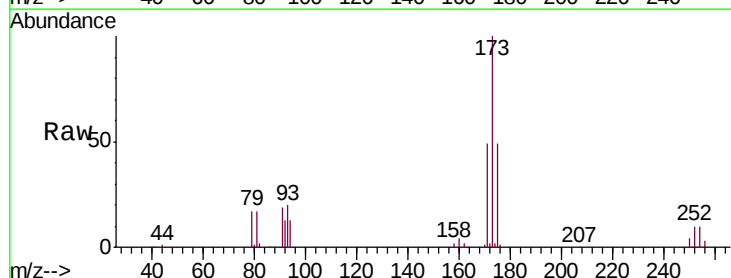
Tgt Ion: 173 Resp: 183775

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 9.8 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU029623.D (-2744) (-)

Ion 175.00 (174.70 to 175.70): VU029623.D (-2744) (-)

Ion 254.00 (253.70 to 254.70): VU029623.D (-2744) (-)

9.95

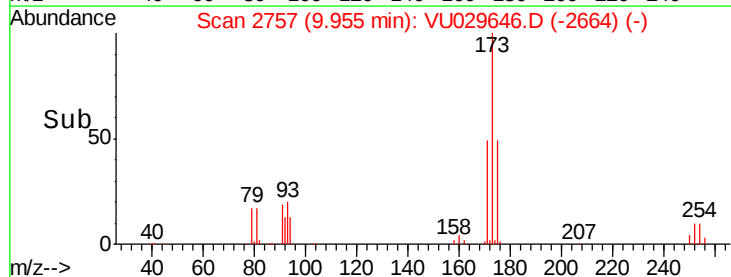
150000

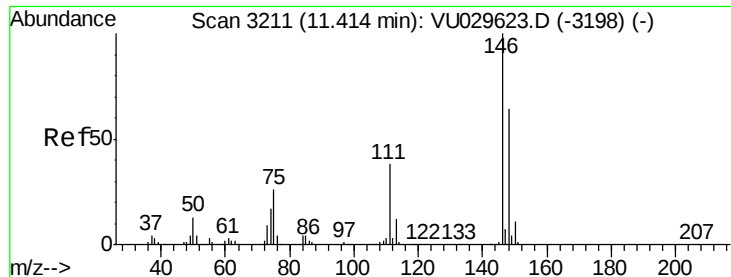
100000

50000

0

Time--> 9.90 10.00





#62

1,3-Dichlorobenzene

Concen: 51.047 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

MSVOA_U

ClientSampleId :

BFB49

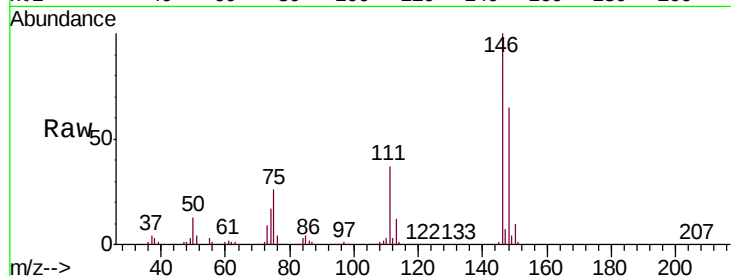
Tgt Ion:146 Resp: 461564

Ion Ratio Lower Upper

146 100

111 36.8 26.7 49.5

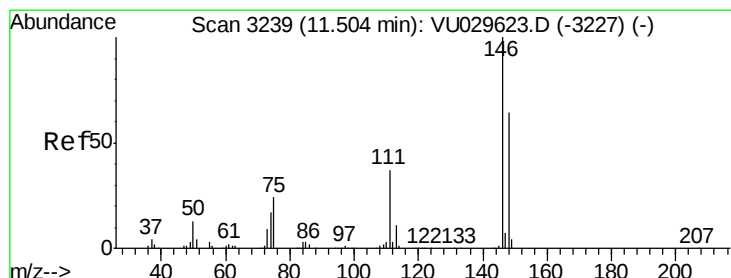
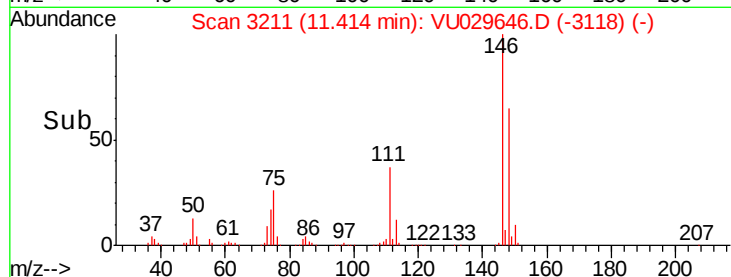
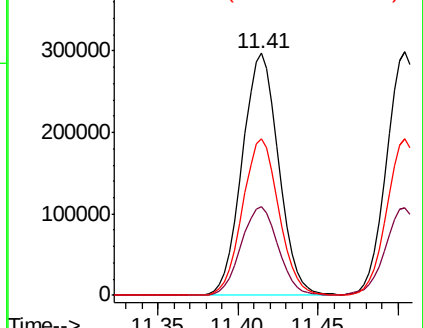
148 64.8 45.9 85.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.456 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

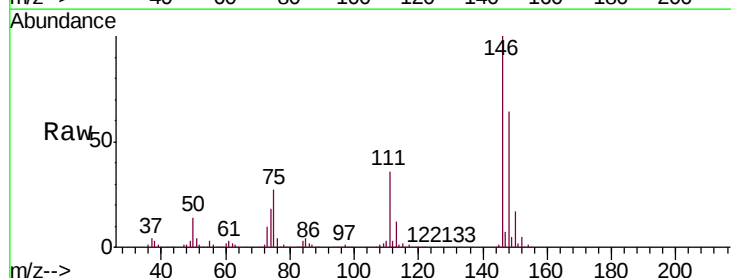
Tgt Ion:146 Resp: 468217

Ion Ratio Lower Upper

146 100

111 36.0 25.1 46.5

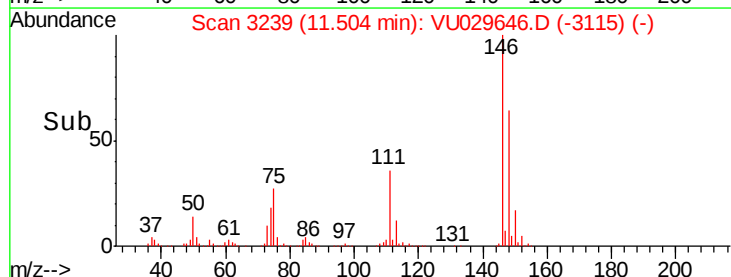
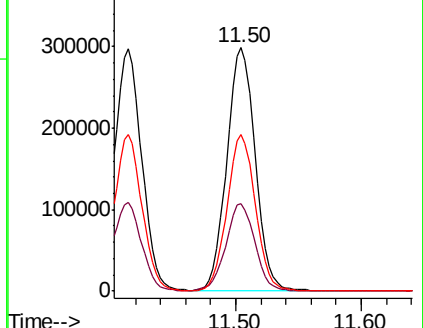
148 64.3 45.0 83.6

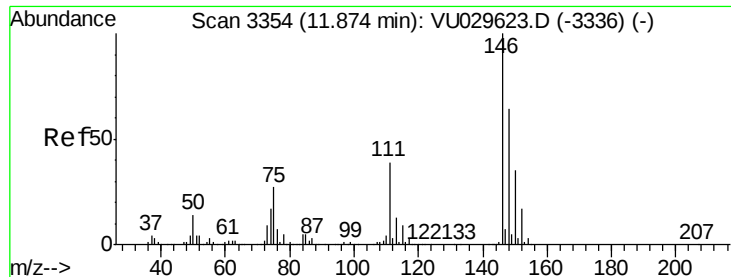


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

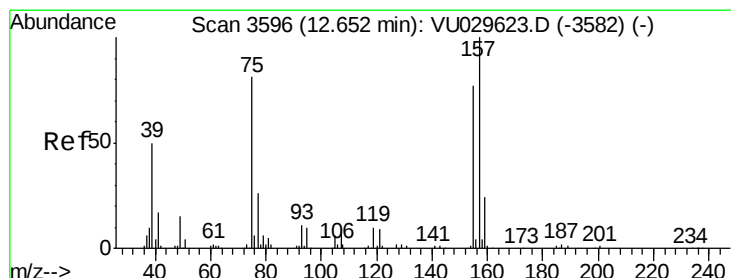
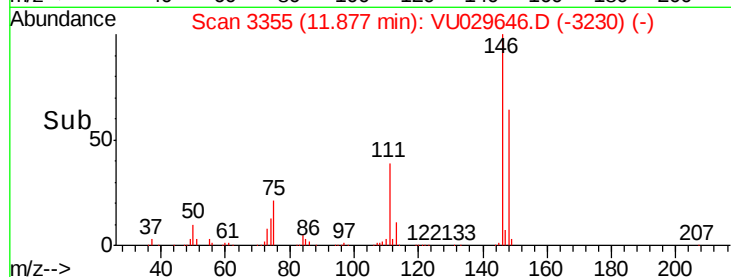
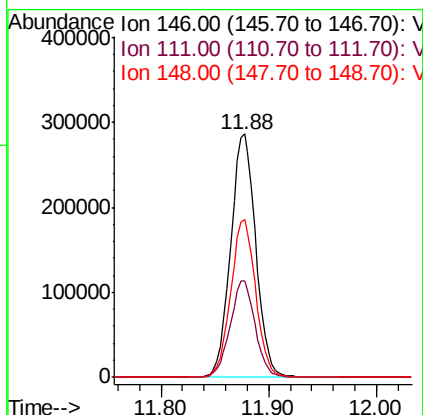
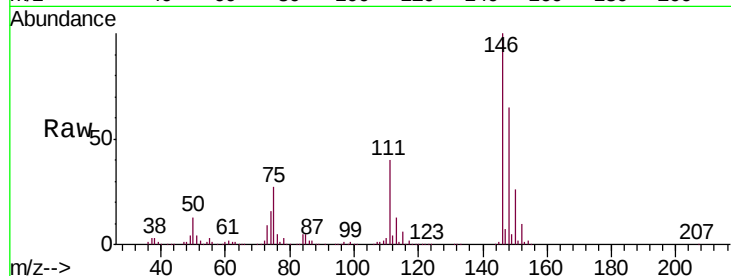




#65
 1,2-Dichlorobenzene
 Concen: 49.300 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

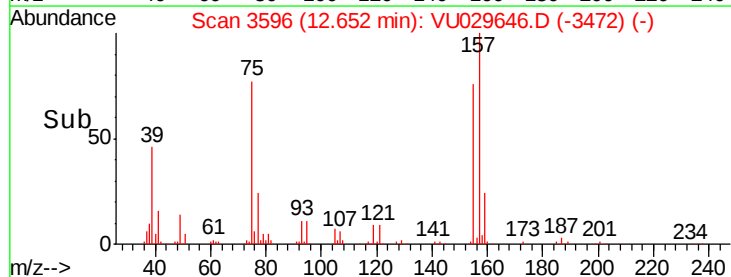
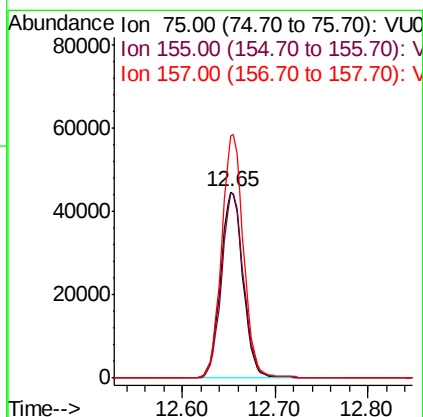
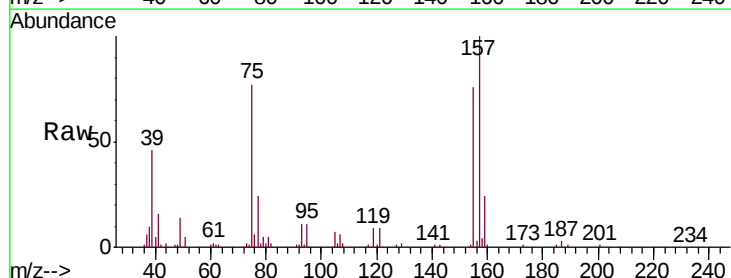
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB49

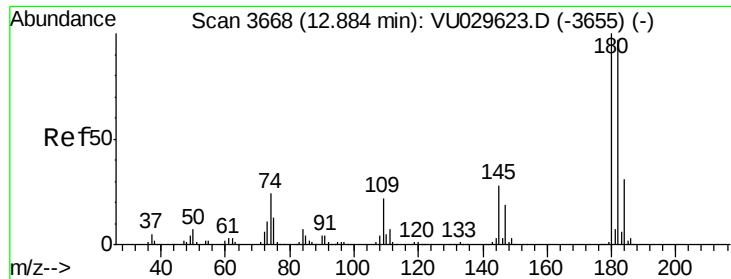
Tgt Ion: 146 Resp: 465322
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.2 46.8
 148 64.6 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.961 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

Tgt Ion: 75 Resp: 74850
 Ion Ratio Lower Upper
 75 100
 155 99.1 79.5 119.3
 157 130.1 103.4 155.0

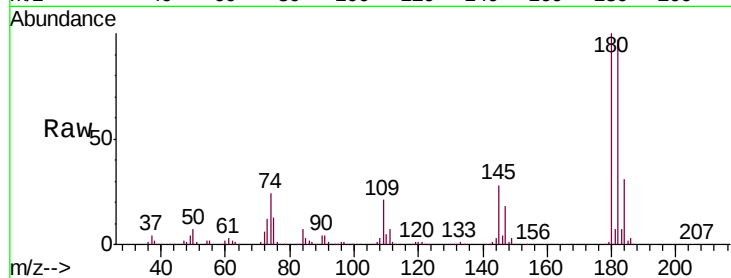




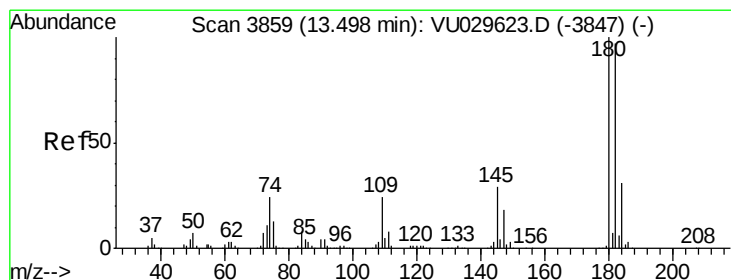
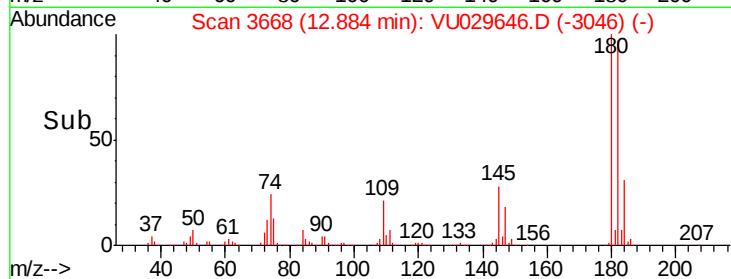
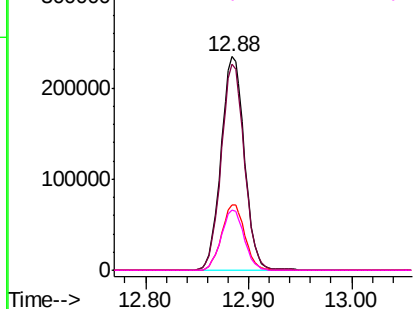
#67
 1,3,5-Trichlorobenzene
 Concen: 53.542 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB49

Tgt Ion:180 Resp: 369441
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.9 116.9
 184 30.4 24.5 36.7
 145 27.8 22.4 33.6

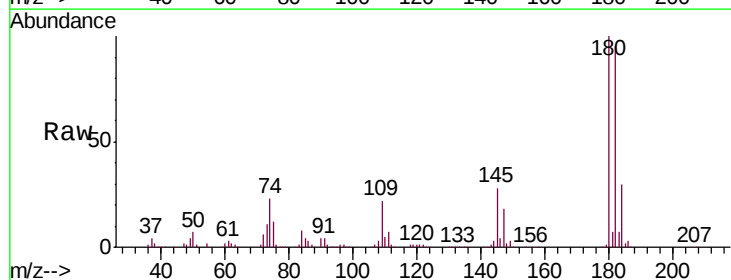


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

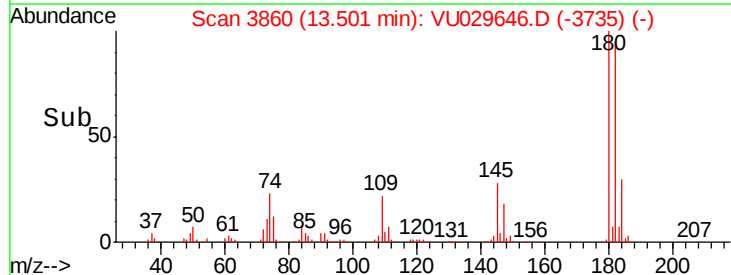
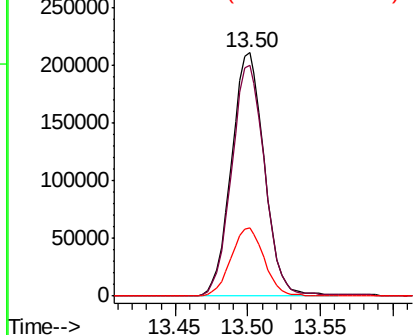


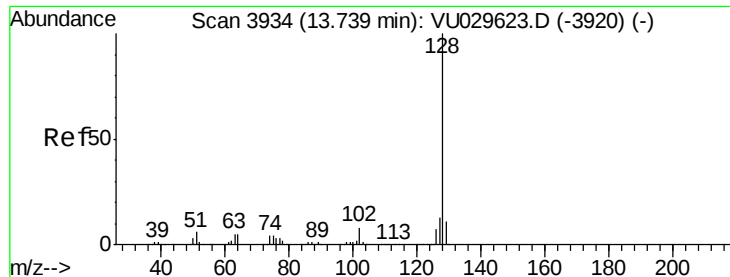
#68
 1,2,4-trichlorobenzene
 Concen: 55.722 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029646.D
 Acq: 25 Feb 2019 09:56

Tgt Ion:180 Resp: 332545
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 145 28.3 22.7 34.1



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





#69

Naphthalene

Concen: 56.325 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Instrument :

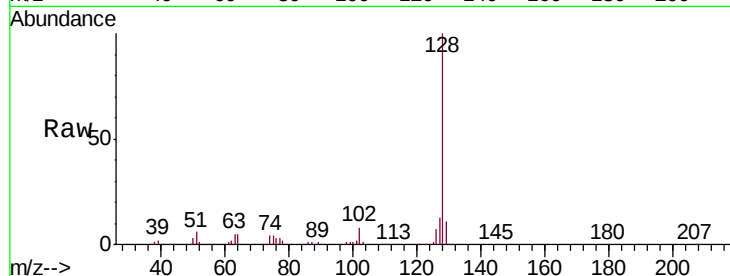
MSVOA_U

ClientSampleId :

BFB49

Tgt Ion:128 Resp: 1033202

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.6	8.5	12.7

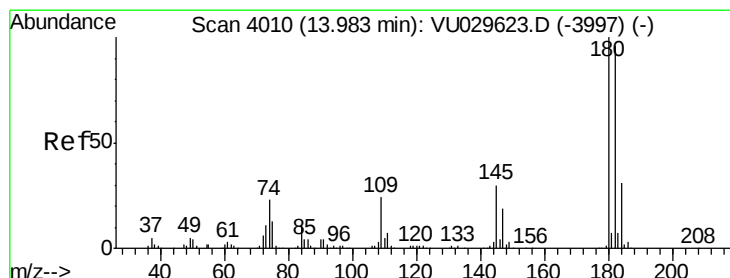
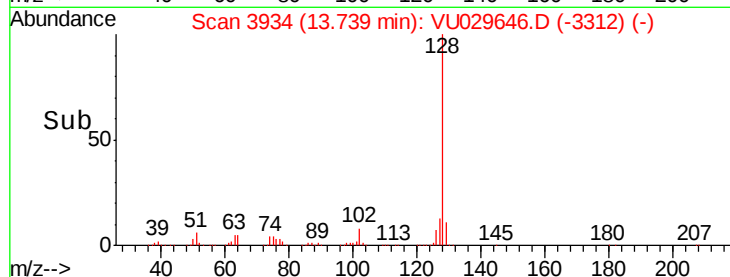
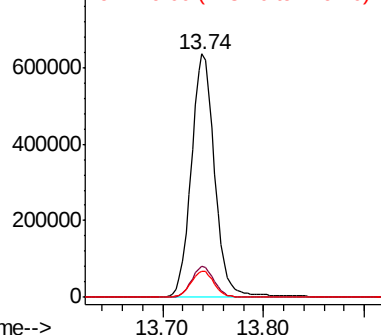


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.238 ug/L

RT: 13.98 min Scan# 4010

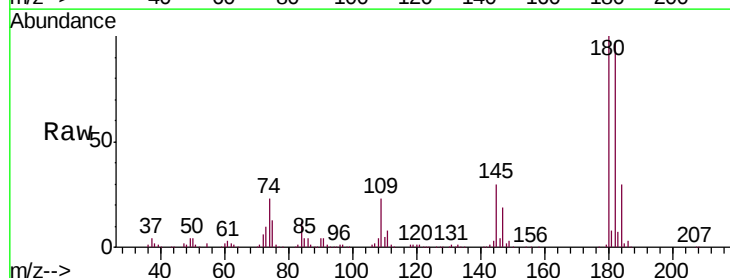
Delta R.T. -0.00 min

Lab File: VU029646.D

Acq: 25 Feb 2019 09:56

Tgt Ion:180 Resp: 343731

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	30.0	24.4	36.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

