

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U100518\
 Data File : VU027446.D
 Acq On : 05 Oct 2018 11:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB46

Quant Time: Oct 06 04:57:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 06 04:54:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	200608	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	187892	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101377	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88996	56.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.74%
7) Chloroethane-d5	1.68	69	65965	54.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.48%
11) 1,1-Dichloroethene-d2	2.27	63	151719	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.46%
21) 2-Butanone-d5	4.18	46	138256	108.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.48%
24) Chloroform-d	4.65	84	134306	53.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.38%
26) 1,2-Dichloroethane-d4	5.31	65	95646	54.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.10%
32) Benzene-d6	5.34	84	292199	54.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.52%
36) 1,2-Dichloropropane-d6	6.33	67	99941	54.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.36%
41) Toluene-d8	7.57	98	260879	54.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.40%
43) trans-1,3-Dichloropropene-	7.85	79	47898	53.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.78%
47) 2-Hexanone-d5	8.31	63	102537	110.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.07%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	139354	57.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	102958	51.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	106266	53.416 ug/L	98
3) Chloromethane	1.33	50	123297	53.936 ug/L	99
5) Vinyl chloride	1.41	62	117003	52.379 ug/L	99
6) Bromomethane	1.63	94	53206	54.504 ug/L	99
8) Chloroethane	1.70	64	62742	46.868 ug/L	99
9) Trichlorofluoromethane	1.89	101	112926	50.505 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67274	50.679 ug/L	99
12) 1,1-Dichloroethene	2.29	96	63316	48.861 ug/L	98
13) Acetone	2.32	43	109346	104.604 ug/L	98
14) Carbon disulfide	2.48	76	224228	47.106 ug/L	99
15) Methyl Acetate	2.62	43	102918	49.132 ug/L	99
16) Methylene chloride	2.70	84	76126	48.368 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	68201	47.527 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	235189	49.293 ug/L	100
19) 1,1-Dichloroethane	3.45	63	146188	49.337 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	77439	48.647 ug/L	95
22) 2-Butanone	4.26	43	154056	102.954 ug/L	98

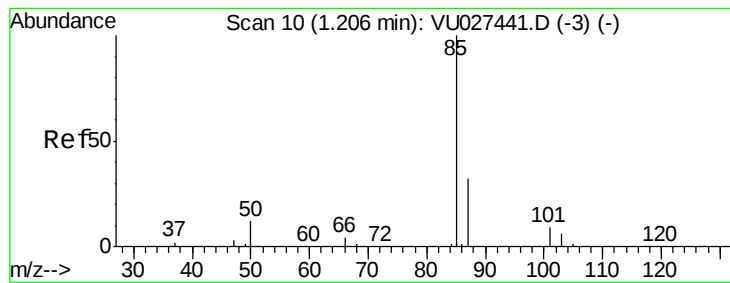
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U100518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36365	50.094	ug/L	95
25) Chloroform	4.67	83	143219	50.035	ug/L	99
27) 1,2-Dichloroethane	5.40	62	116053	50.484	ug/L	100
29) Cyclohexane	5.00	56	148127	51.975	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	110450	49.131	ug/L	98
31) Carbon tetrachloride	5.14	117	96891	51.242	ug/L	99
33) Benzene	5.39	78	308677	49.993	ug/L	100
34) Trichloroethene	6.19	95	74282	50.025	ug/L	97
35) Methylcyclohexane	6.42	83	134840	52.263	ug/L	100
37) 1,2-Dichloropropane	6.43	63	91663	51.241	ug/L	99
38) Bromodichloromethane	6.76	83	101834	50.096	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	135987	51.735	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	271223	103.538	ug/L	99
42) Toluene	7.64	91	314346	50.740	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	126208	51.727	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	71618	49.873	ug/L	98
46) Tetrachloroethene	8.23	164	55445	50.242	ug/L	97
48) 2-Hexanone	8.36	43	218579	105.673	ug/L	99
49) Dibromochloromethane	8.48	129	75739	50.582	ug/L	97
50) 1,2-Dibromoethane	8.59	107	75720	49.702	ug/L	100
51) Chlorobenzene	9.12	112	195811	49.994	ug/L	99
52) Ethylbenzene	9.25	91	352799	51.288	ug/L	99
53) m,p-Xylene	9.38	106	128301	50.959	ug/L	96
54) o-xylene	9.78	106	133408	55.002	ug/L	97
55) Styrene	9.79	104	230451	55.483	ug/L	99
56) Isopropylbenzene	10.17	105	353793	55.659	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	133819	53.187	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	108393	53.520	ug/L	100
61) Bromoform	9.96	173	56347	48.917	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	156768	49.686	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	163858	49.788	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	158282	49.280	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	28378	47.661	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	124225	50.960	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	111109	49.563	ug/L	99
69) Naphthalene	13.74	128	350026	50.637	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	113454	49.768	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 53.416 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027446.D

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ClientSampleId :

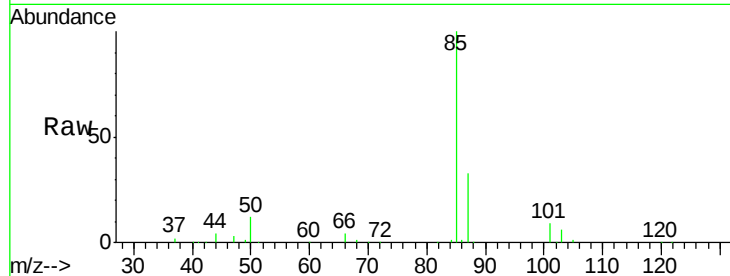
BFB46

Tgt Ion: 85 Resp: 106266

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

120000

100000

80000

60000

40000

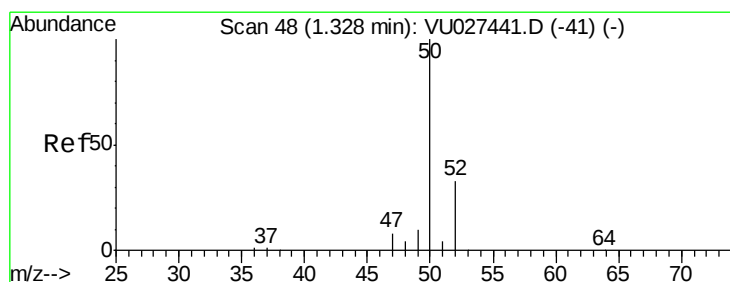
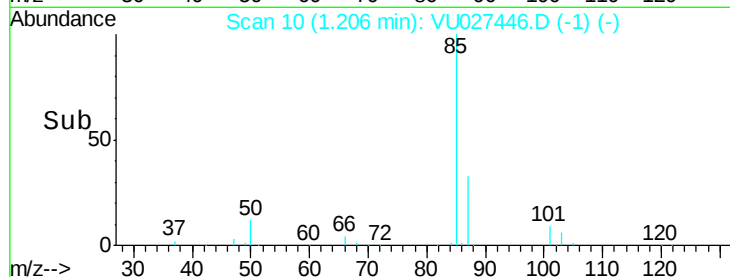
20000

0

1.21

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 53.936 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027446.D

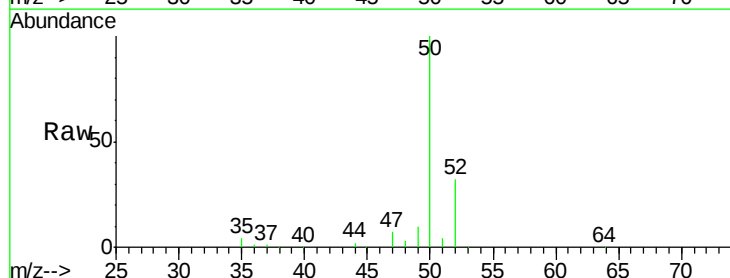
Acq: 05 Oct 2018 11:35

Tgt Ion: 50 Resp: 123297

Ion Ratio Lower Upper

50 100

52 32.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

100000

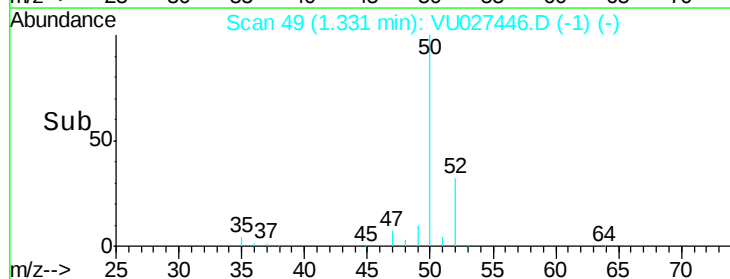
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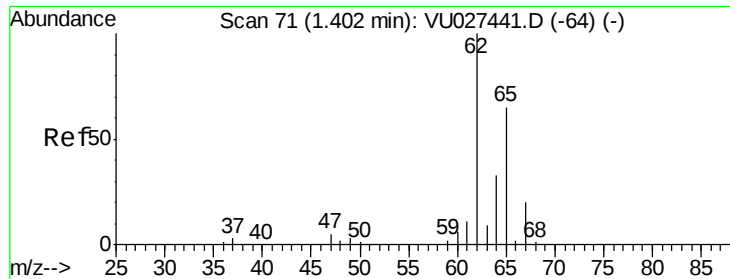
0

1.33

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 52.379 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

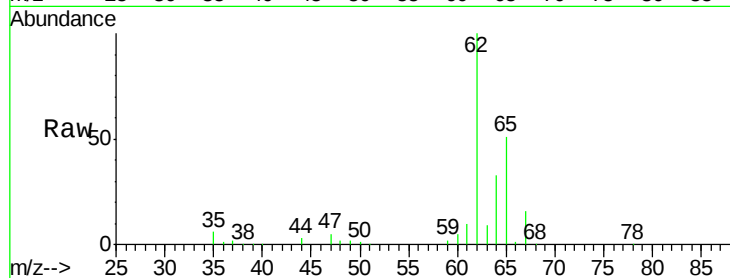
BFB46

Tgt Ion: 62 Resp: 117003

Ion Ratio Lower Upper

62 100

64 32.8 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.41

120000

100000

80000

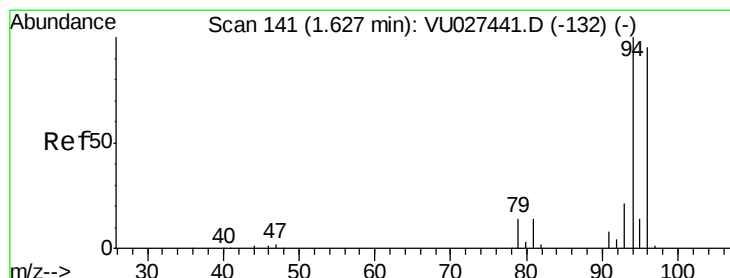
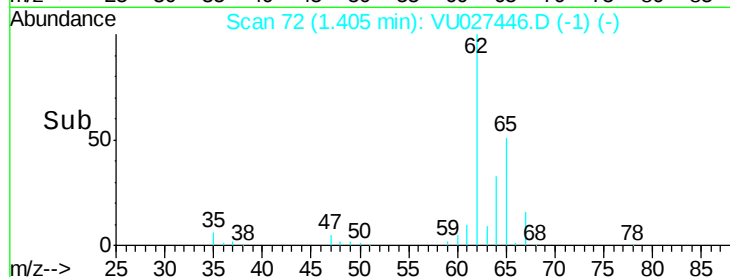
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 54.504 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU027446.D

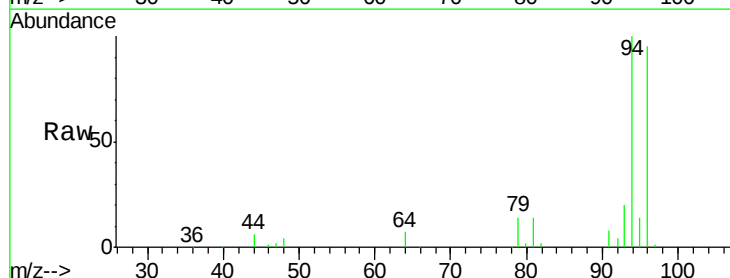
Acq: 05 Oct 2018 11:35

Tgt Ion: 94 Resp: 53206

Ion Ratio Lower Upper

94 100

96 94.7 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

40000

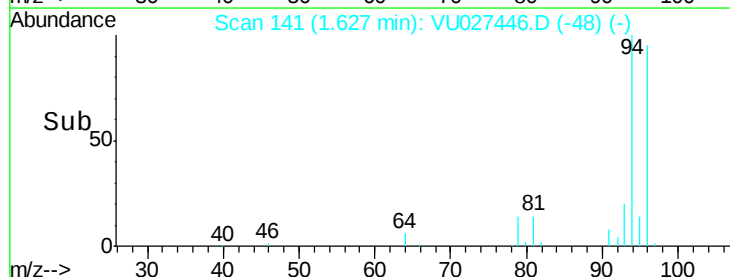
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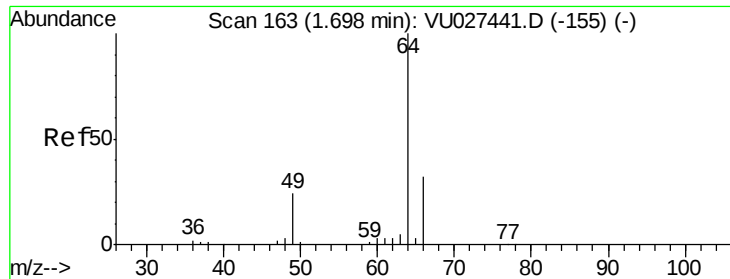
20000

10000

0

Time-->





#8

Chloroethane

Concen: 46.868 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

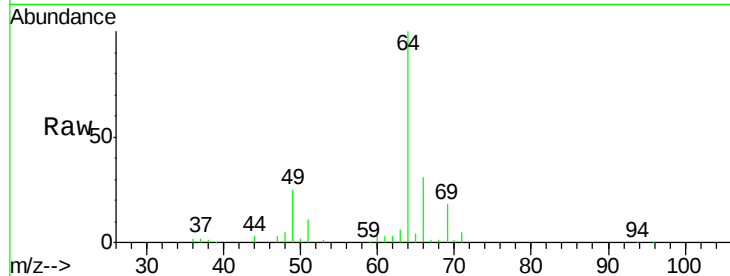
BFB46

Tgt Ion: 64 Resp: 62742

Ion Ratio Lower Upper

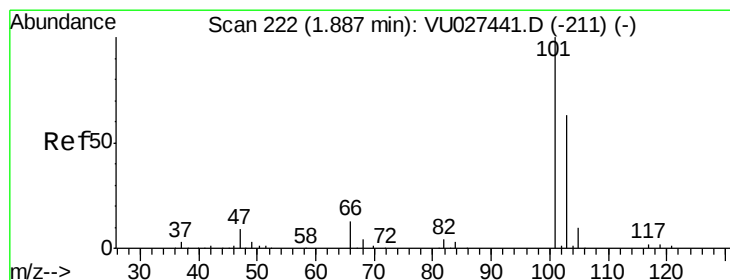
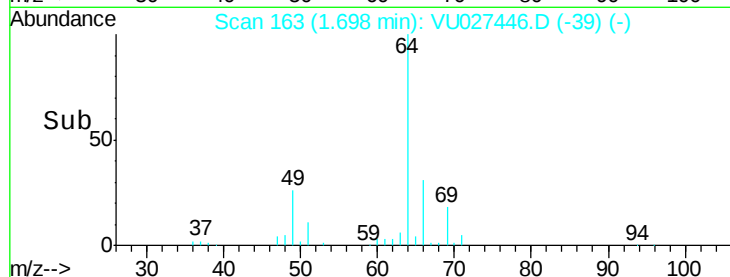
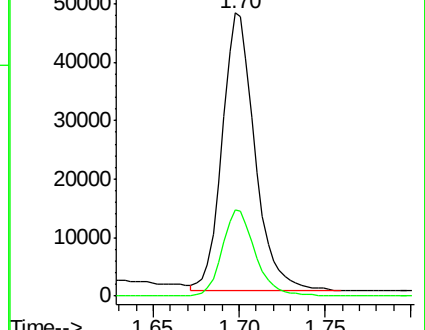
64 100

66 30.6 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU027441.D (-155) (-)

Ion 66.00 (65.70 to 66.70): VU027441.D (-155) (-)



#9

Trichlorofluoromethane

Concen: 50.505 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027446.D

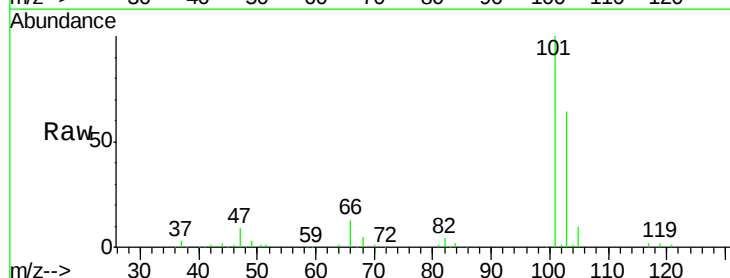
Acq: 05 Oct 2018 11:35

Tgt Ion: 101 Resp: 112926

Ion Ratio Lower Upper

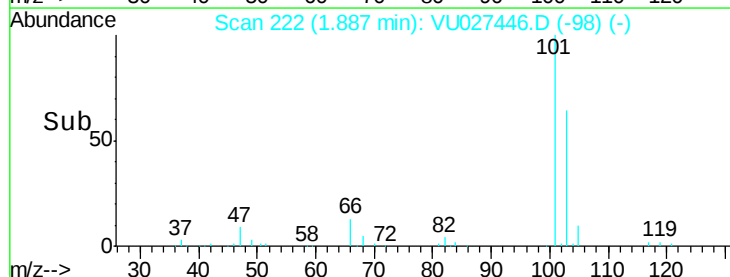
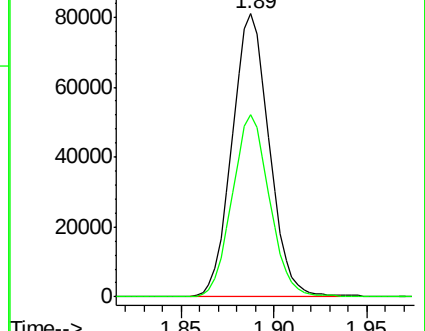
101 100

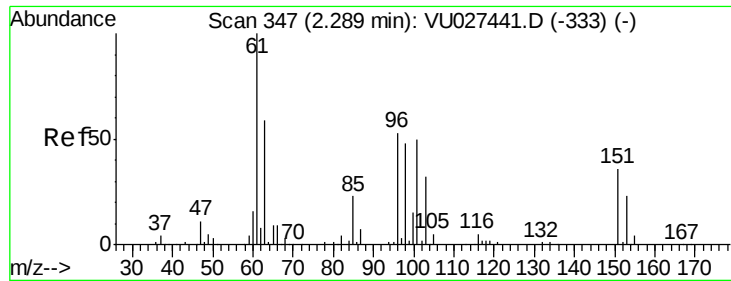
103 64.7 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU027441.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU027441.D (-211) (-)





#10

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

Concen: 50.679 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

BFB46

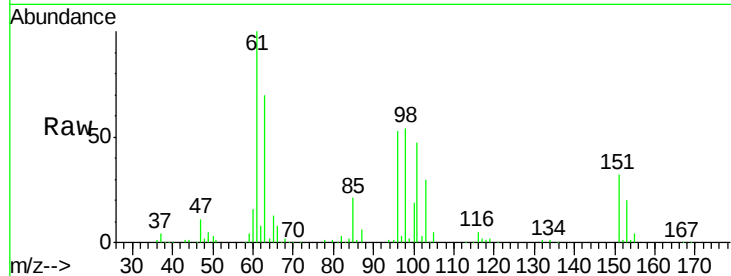
Tgt Ion:101 Resp: 67274

Ion Ratio Lower Upper

101 100

85 43.8 35.9 53.9

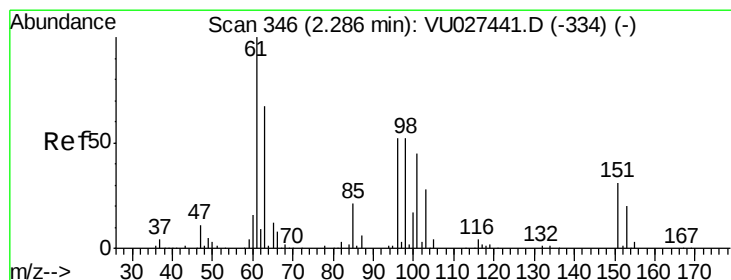
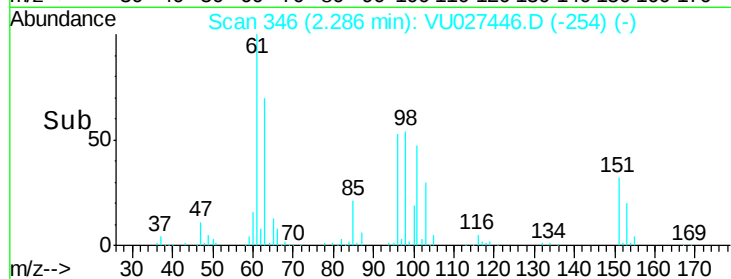
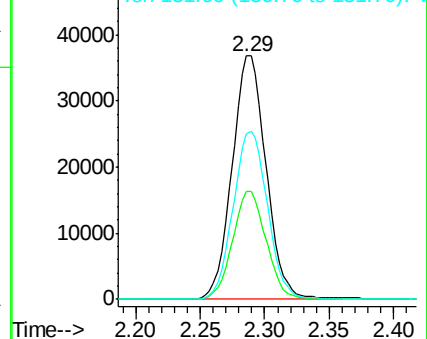
151 69.9 55.7 83.5



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: 48.861 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

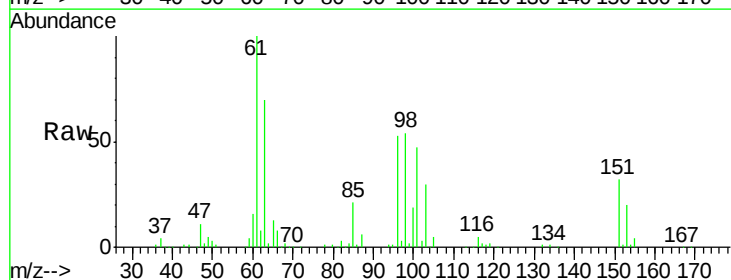
Tgt Ion: 96 Resp: 63316

Ion Ratio Lower Upper

96 100

61 189.7 135.2 251.0

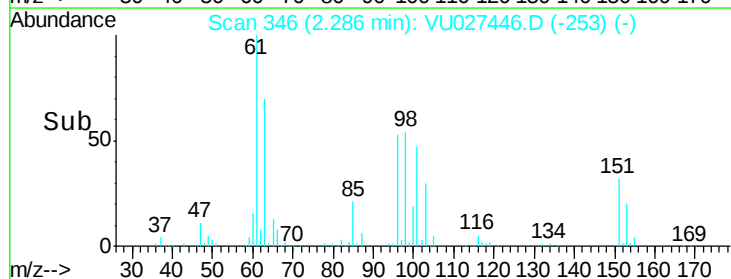
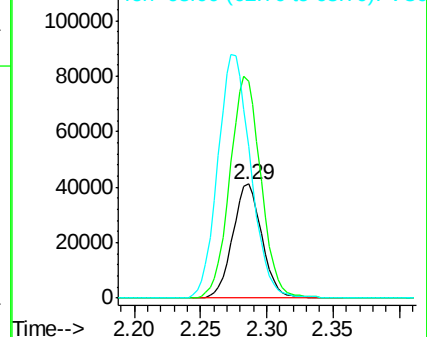
63 132.4 94.3 175.1

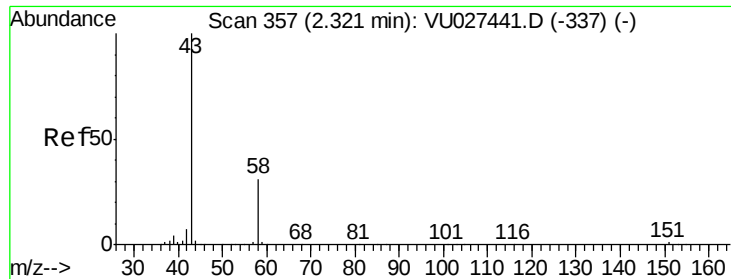


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 104.604 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

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MSVOA_U

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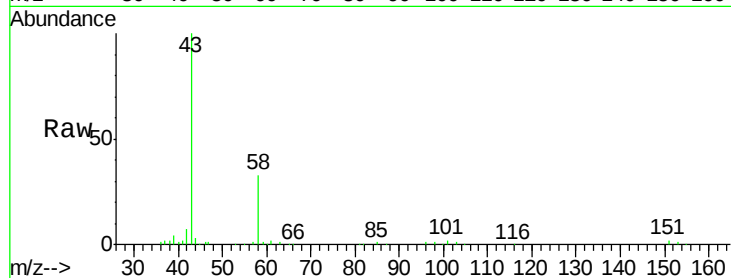
BFB46

Tgt Ion: 43 Resp: 109346

Ion Ratio Lower Upper

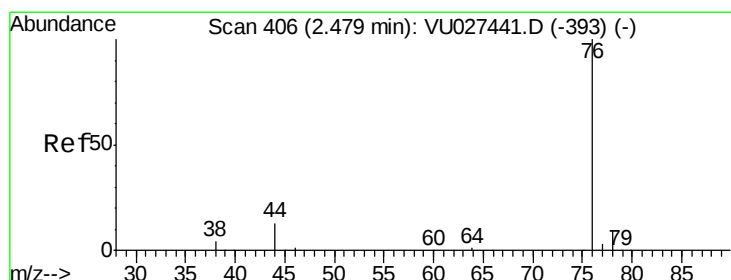
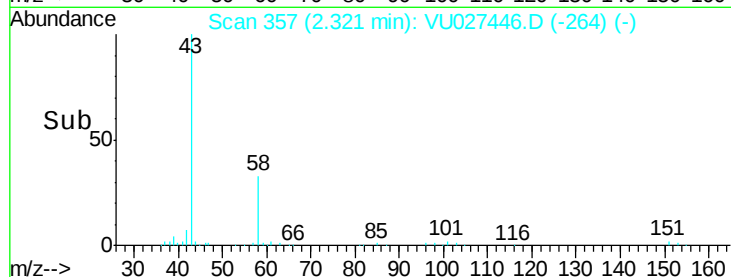
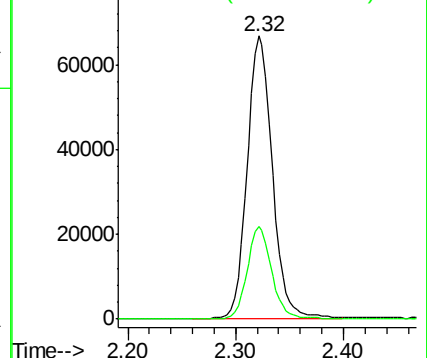
43 100

58 31.3 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 47.106 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027446.D

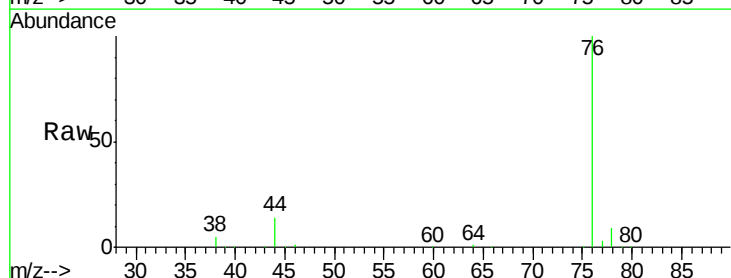
Acq: 05 Oct 2018 11:35

Tgt Ion: 76 Resp: 224228

Ion Ratio Lower Upper

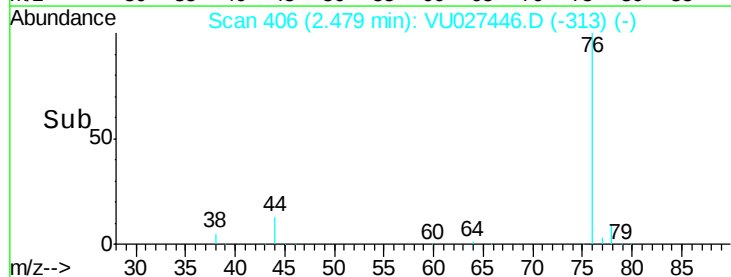
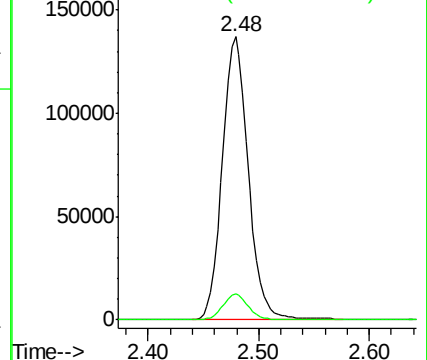
76 100

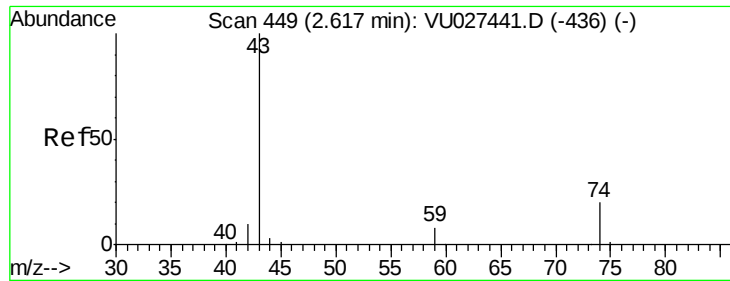
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

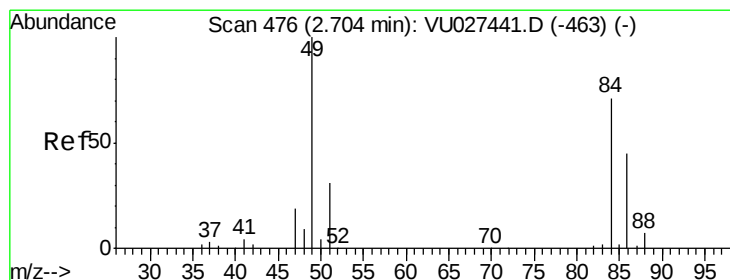
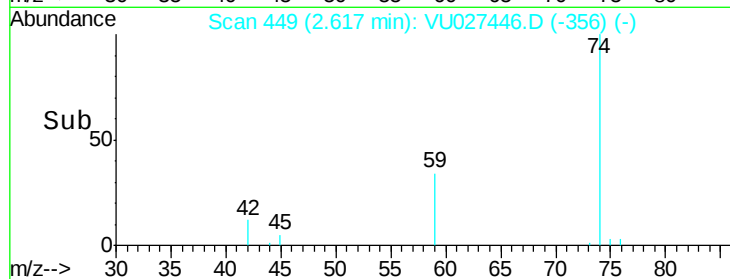
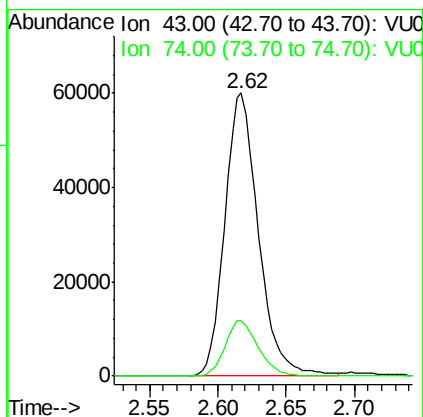
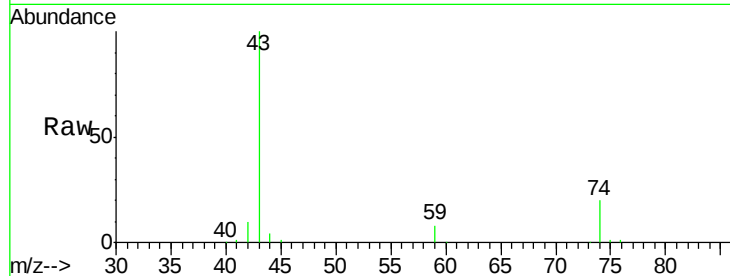




#15
Methyl Acetate
Concen: 49.132 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027446.D
Acq: 05 Oct 2018 11:35

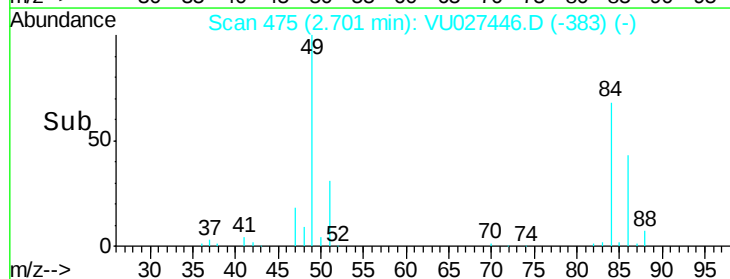
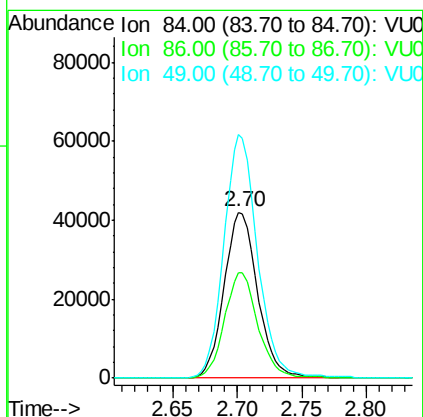
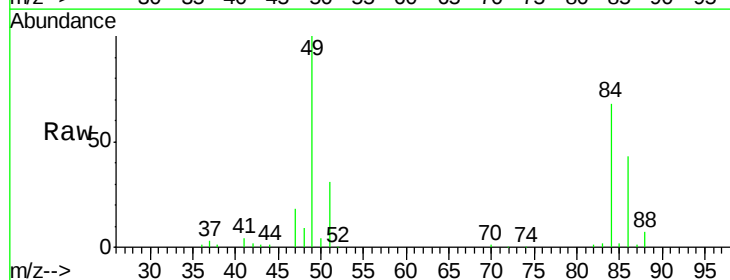
Instrument :
MSVOA_U
ClientSampleId :
BFB46

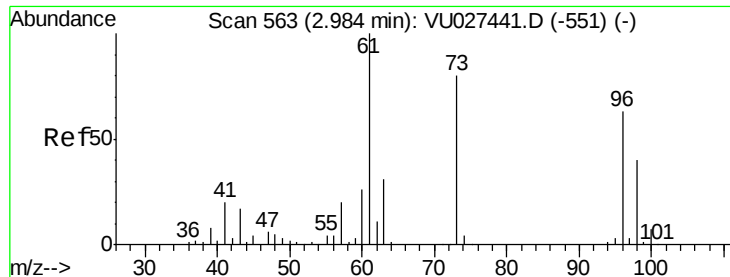
Tgt Ion: 43 Resp: 102918
Ion Ratio Lower Upper
43 100
74 19.4 16.0 24.0



#16
Methylene chloride
Concen: 48.368 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027446.D
Acq: 05 Oct 2018 11:35

Tgt Ion: 84 Resp: 76126
Ion Ratio Lower Upper
84 100
86 63.3 44.6 82.8
49 146.5 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 47.527 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

BFB46

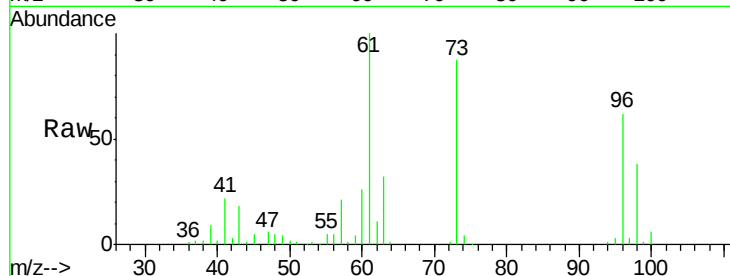
Tgt Ion: 96 Resp: 68201

Ion Ratio Lower Upper

96 100

61 161.6 110.9 205.9

98 61.2 43.7 81.1

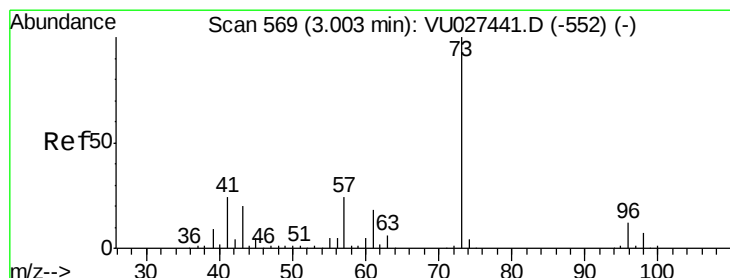
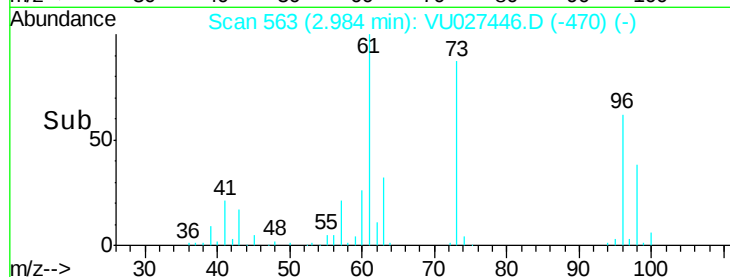
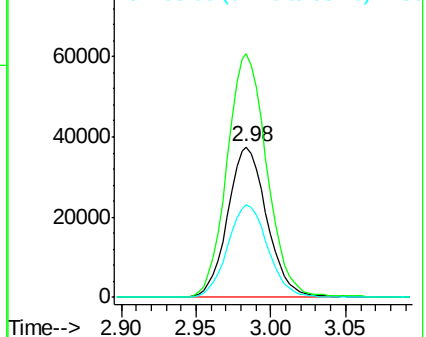


Abundance

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: 49.293 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

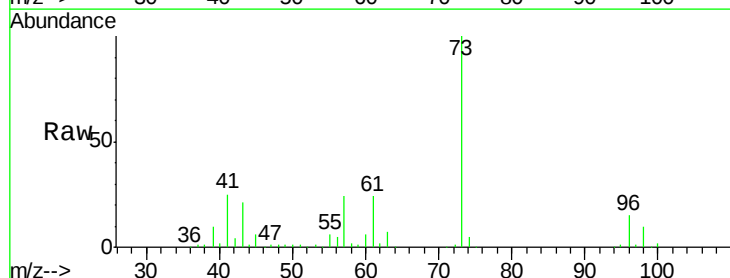
Tgt Ion: 73 Resp: 235189

Ion Ratio Lower Upper

73 100

43 20.7 16.5 24.7

57 24.1 19.4 29.0

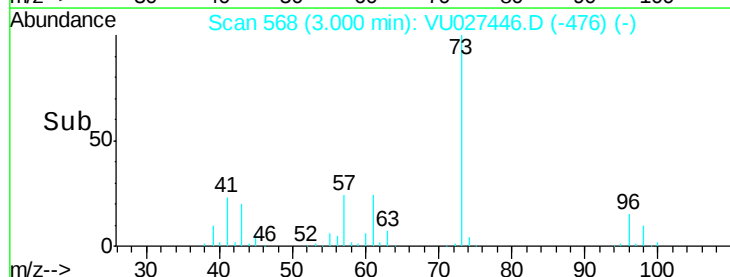
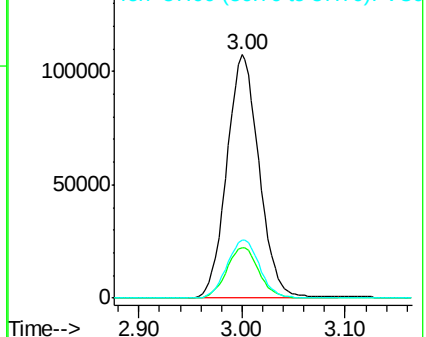


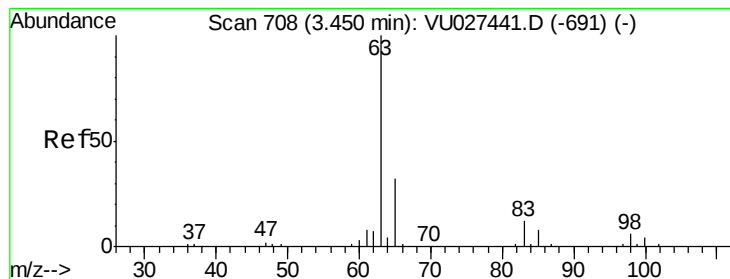
Abundance

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: 49.337 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

BFB46

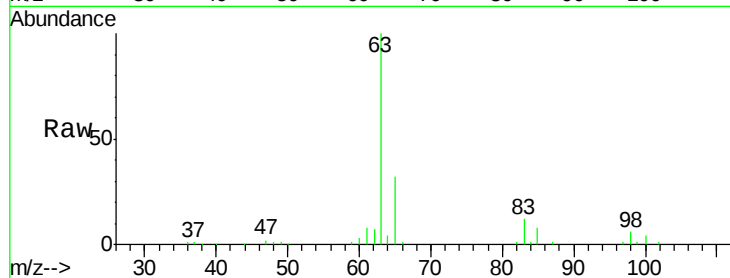
Tgt Ion: 63 Resp: 146188

Ion Ratio Lower Upper

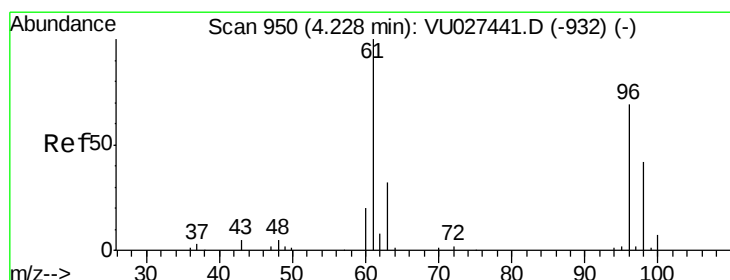
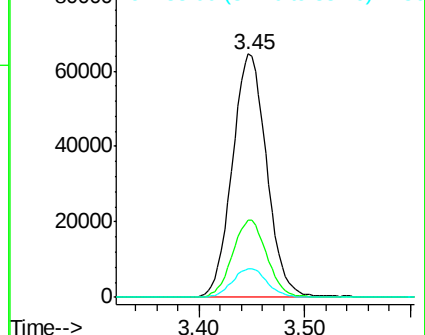
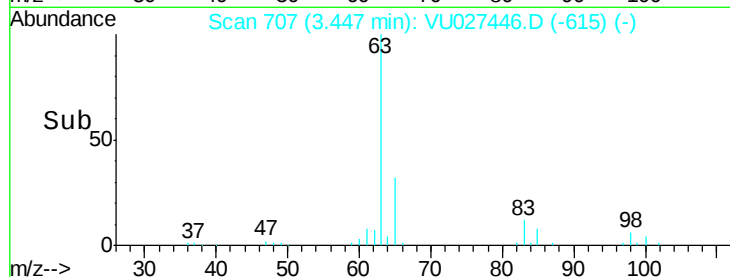
63 100

65 31.7 22.3 41.3

83 11.9 8.4 15.6



Abundance Ion 63.00 (62.70 to 63.70): VU027446.D (-615) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.647 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

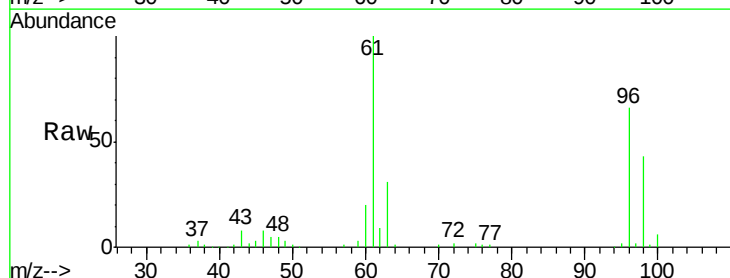
Tgt Ion: 96 Resp: 77439

Ion Ratio Lower Upper

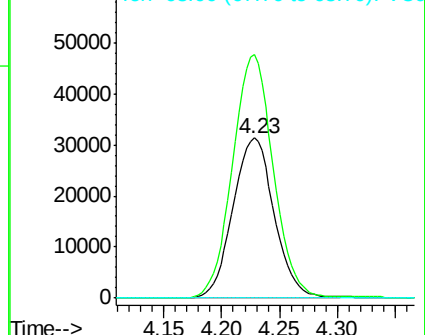
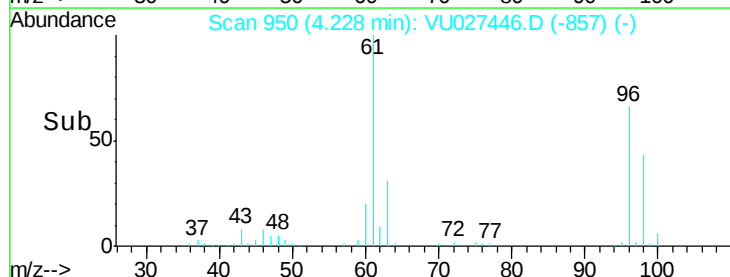
96 100

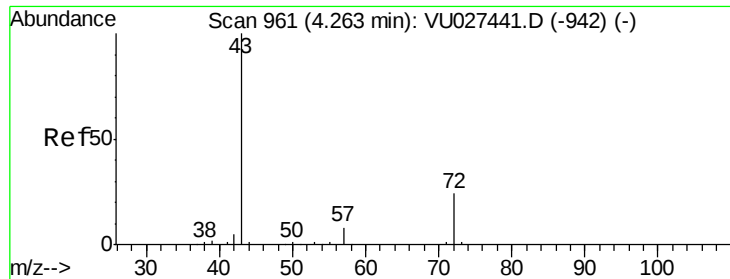
61 152.1 102.0 189.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU027446.D (-857) (-)





#22

2-Butanone

Concen: 102.954 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

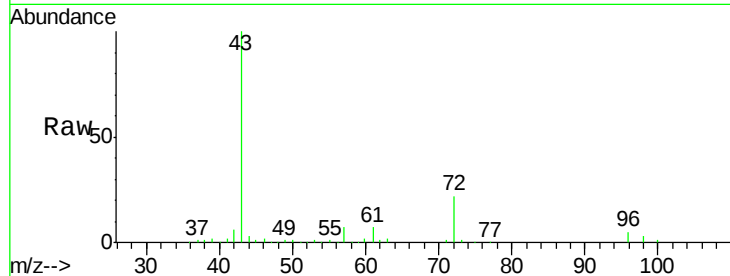
BFB46

Tgt Ion: 43 Resp: 154056

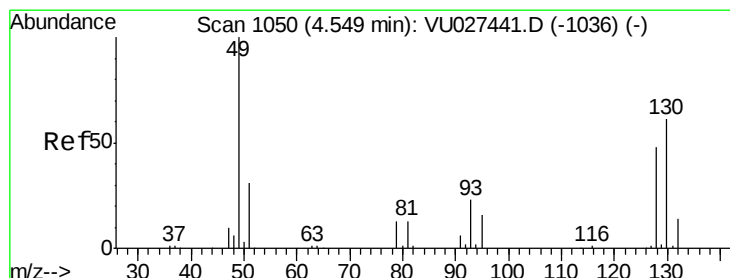
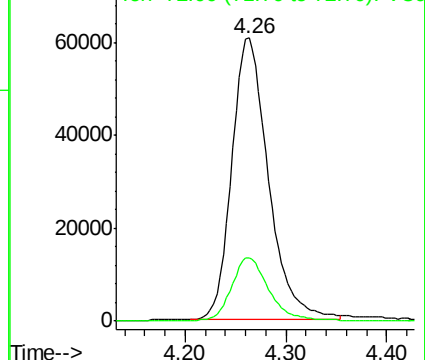
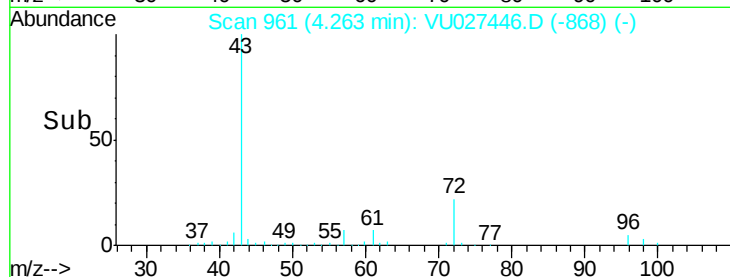
Ion Ratio Lower Upper

43 100

72 22.9 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU027446.D (-868) (-)



#23

Bromochloromethane

Concen: 50.094 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Tgt Ion: 128 Resp: 36365

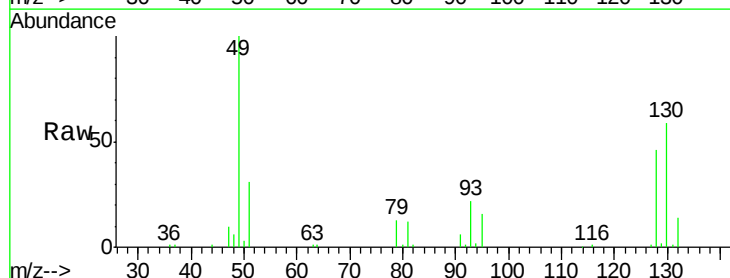
Ion Ratio Lower Upper

128 100

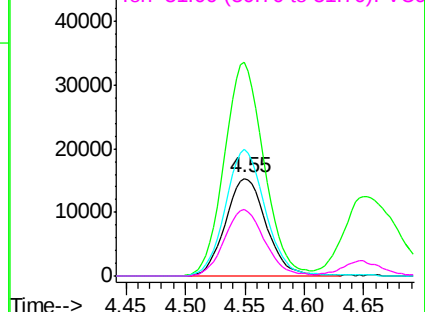
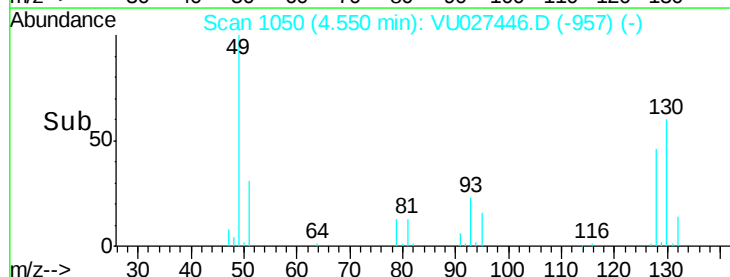
49 219.6 146.9 272.7

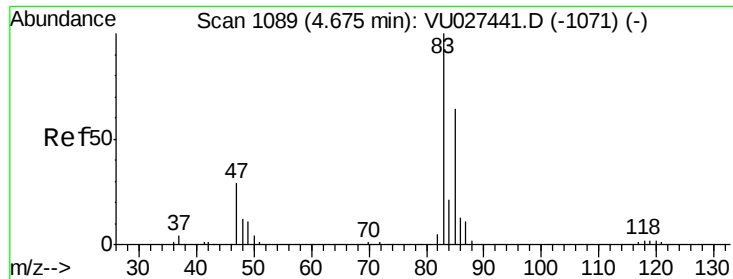
130 130.1 89.2 165.6

51 67.9 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU027446.D (-957) (-)

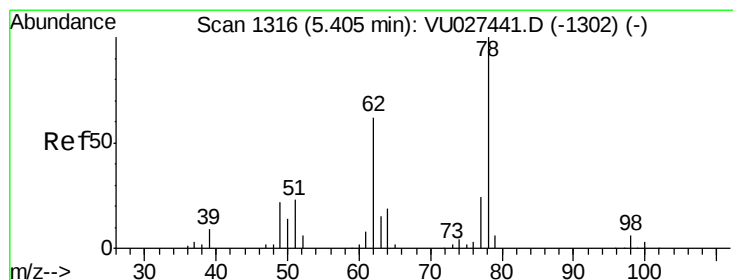
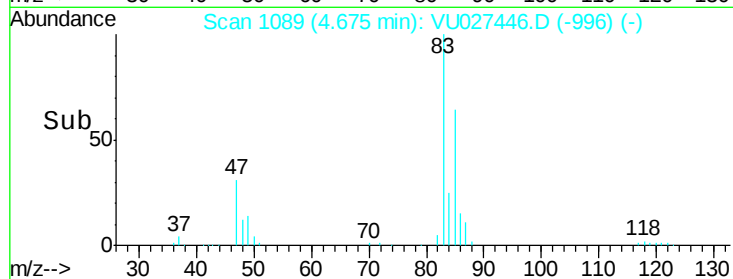
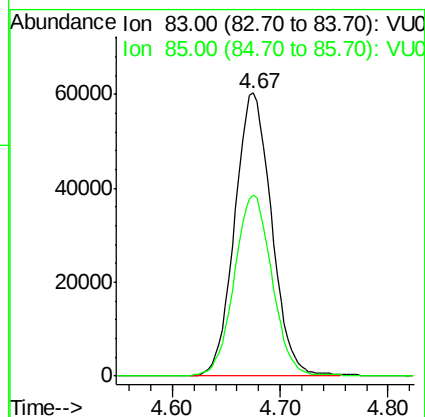
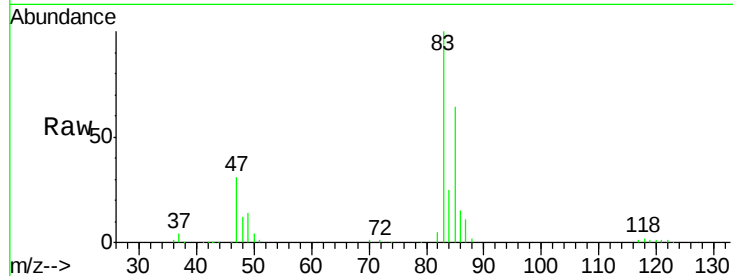




#25
Chloroform
Concen: 50.035 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027446.D
Acq: 05 Oct 2018 11:35

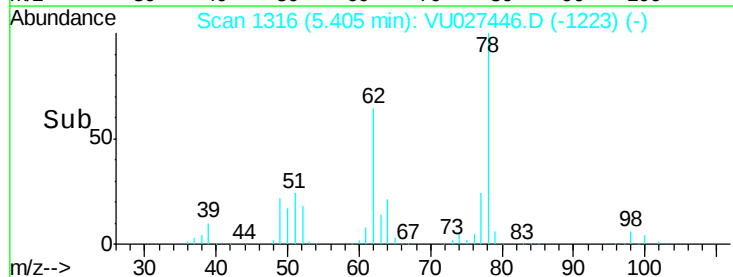
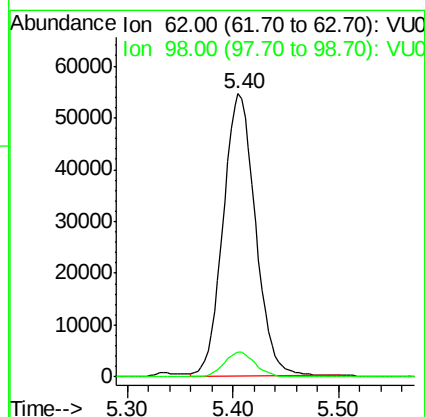
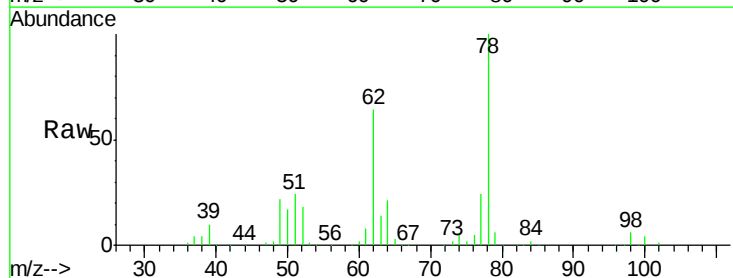
Instrument :
MSVOA_U
ClientSampleId :
BFB46

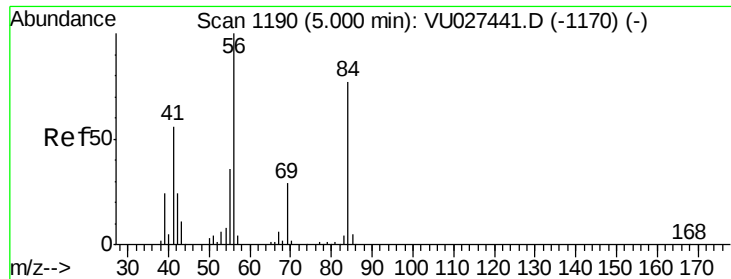
Tgt Ion: 83 Resp: 143219
Ion Ratio Lower Upper
83 100
85 63.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 50.484 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027446.D
Acq: 05 Oct 2018 11:35

Tgt Ion: 62 Resp: 116053
Ion Ratio Lower Upper
62 100
98 8.8 7.1 10.7

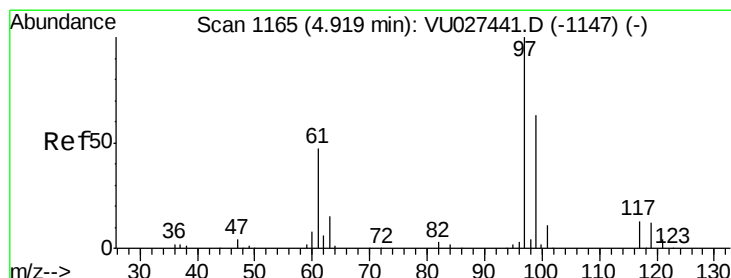
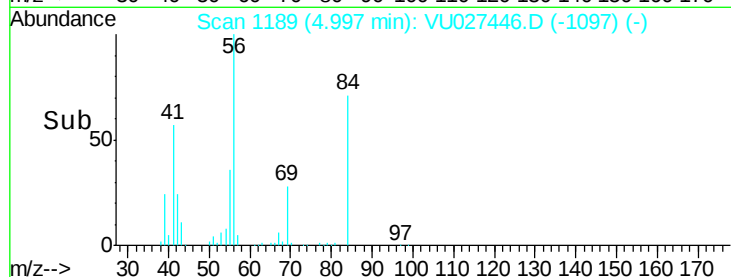
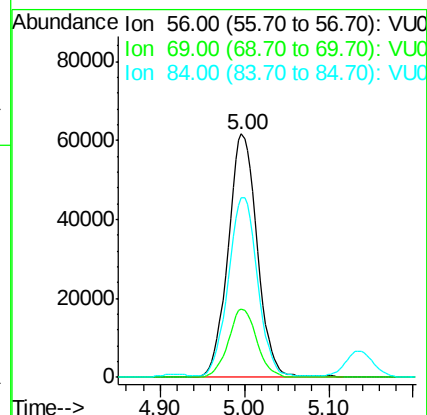
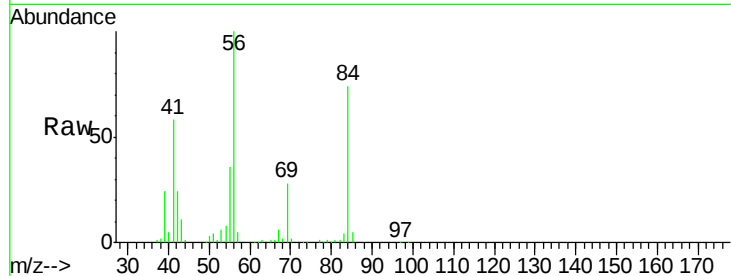




#29
Cyclohexane
Concen: 51.975 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027446.D
Acq: 05 Oct 2018 11:35

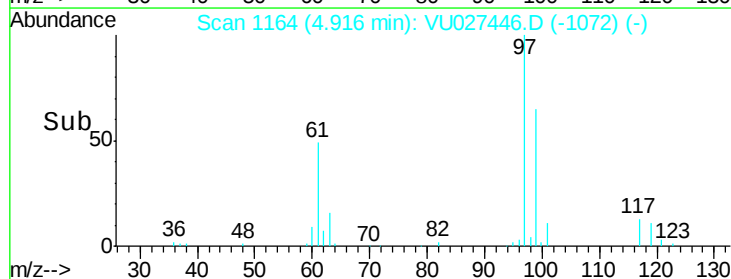
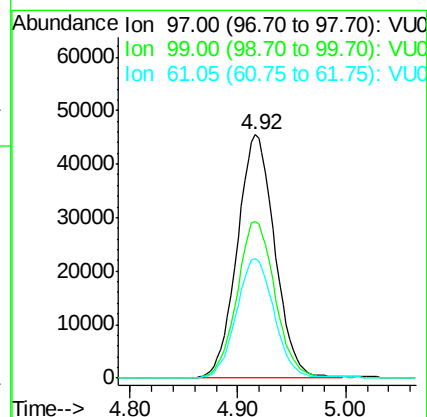
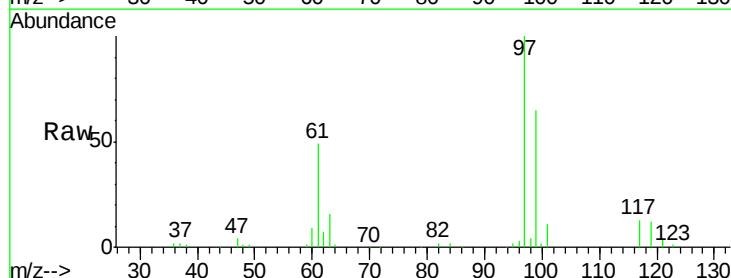
Instrument :
MSVOA_U
ClientSampled :
BFB46

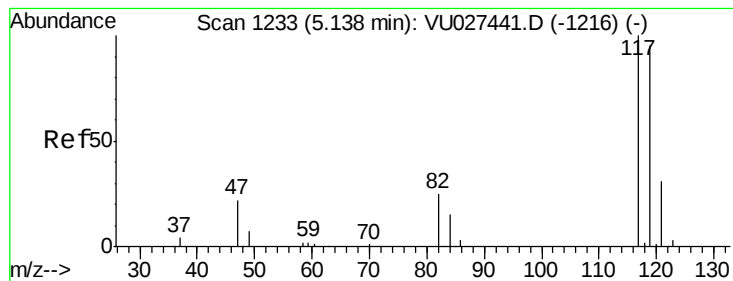
Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.5	33.7
84	74.4	60.9	91.3



#30
1,1,1-Trichloroethane
Concen: 49.131 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027446.D
Acq: 05 Oct 2018 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.9	76.3
61	49.1	38.2	57.4





#31

Carbon tetrachloride

Concen: 51.242 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

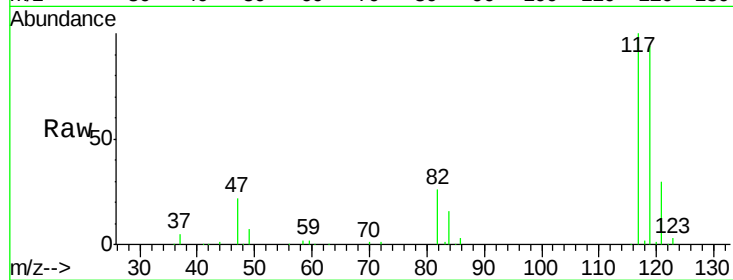
BFB46

Tgt Ion:117 Resp: 96891

Ion Ratio Lower Upper

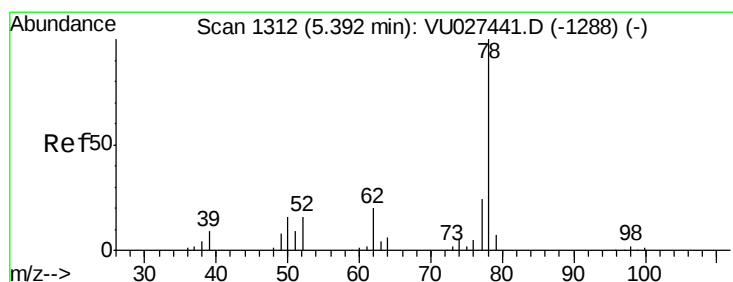
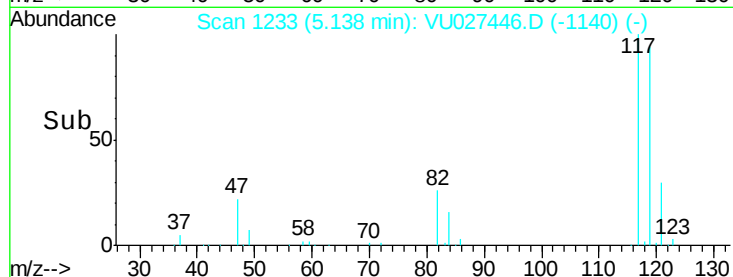
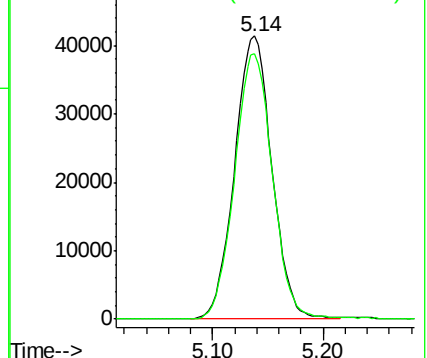
117 100

119 95.1 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.993 ug/L

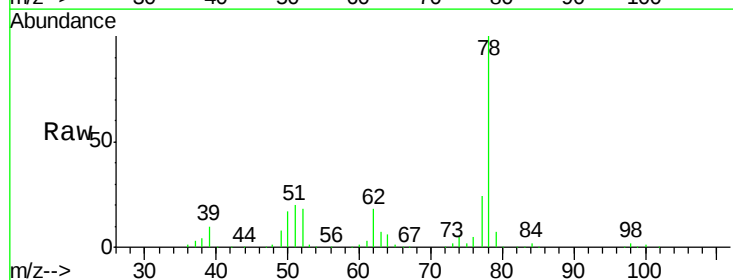
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

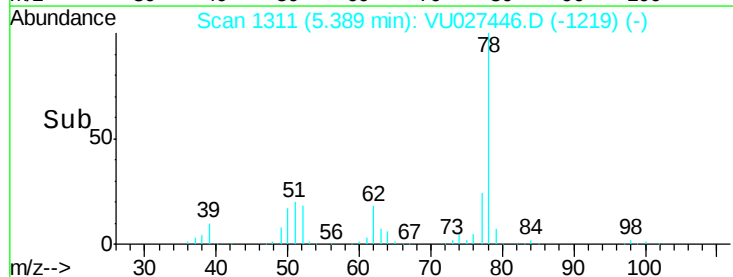
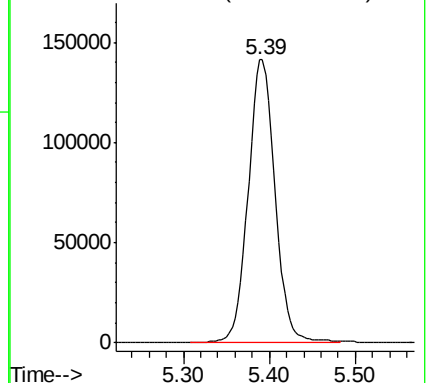
Lab File: VU027446.D

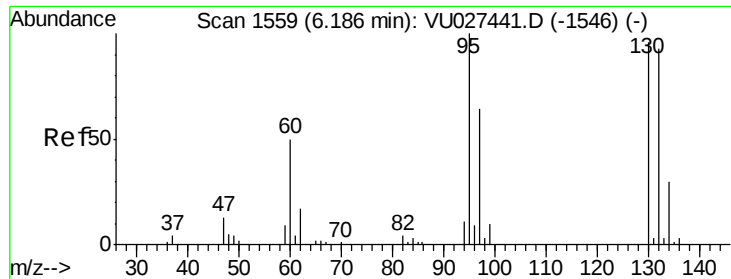
Acq: 05 Oct 2018 11:35

Tgt Ion: 78 Resp: 308677



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.025 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

BFB46

Tgt Ion: 95 Resp: 74282

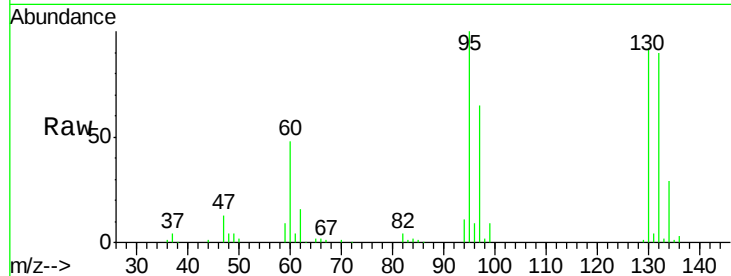
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.3

132 90.1 64.8 120.4

130 92.3 67.1 124.7

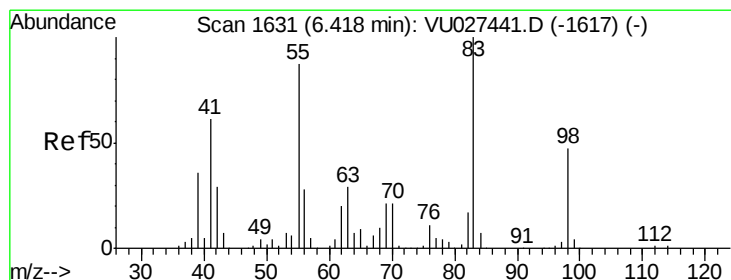
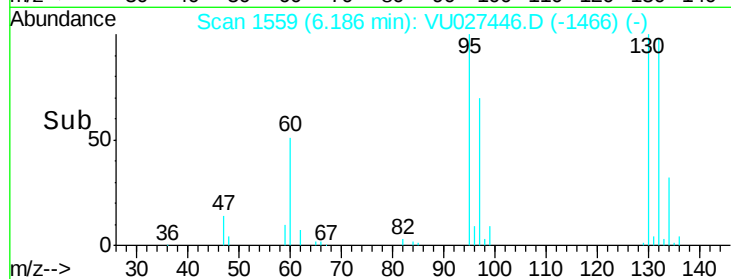
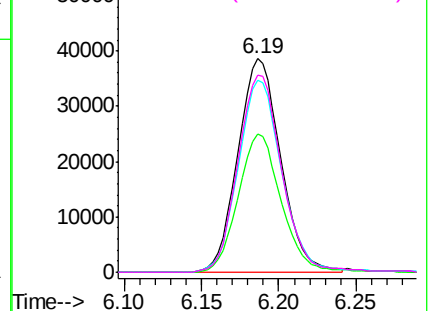


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.263 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

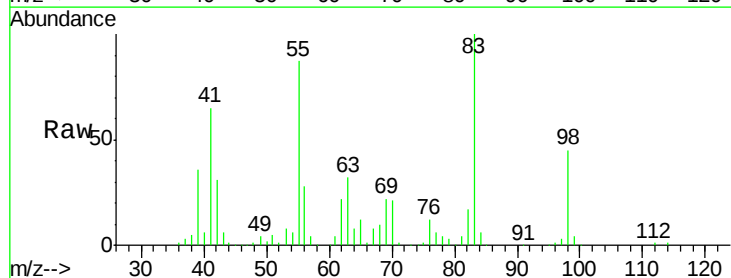
Tgt Ion: 83 Resp: 134840

Ion Ratio Lower Upper

83 100

55 87.6 69.9 104.9

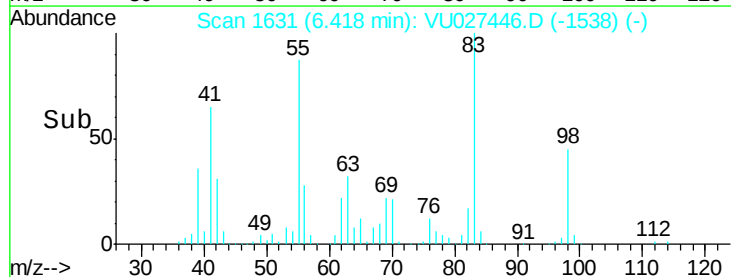
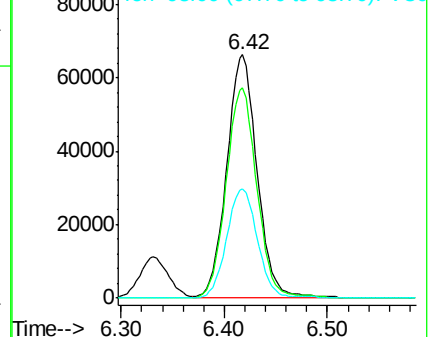
98 46.1 37.1 55.7

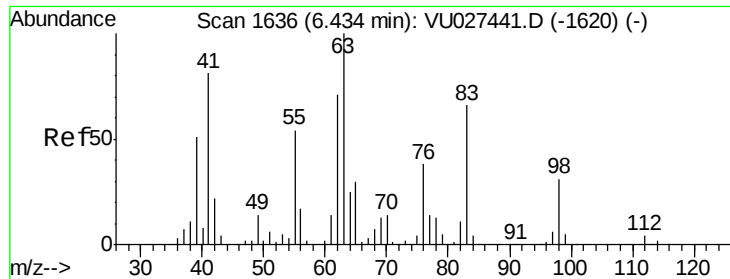


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 51.241 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampled :

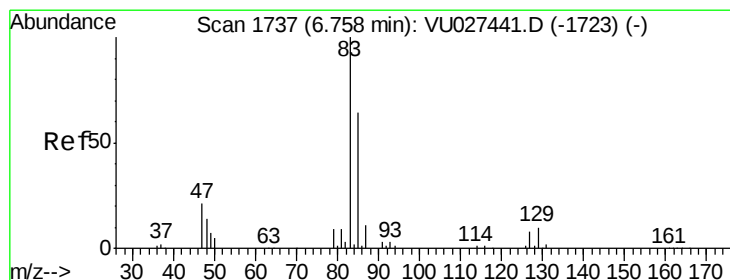
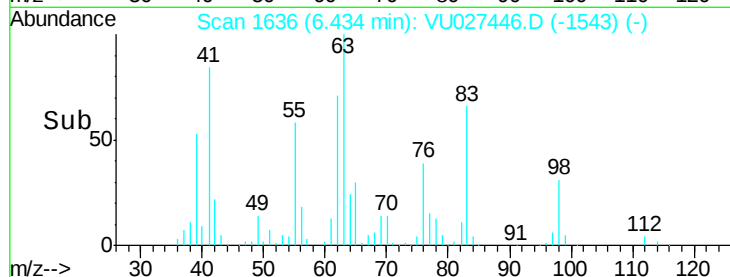
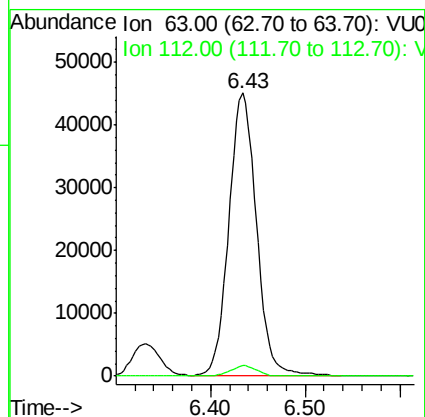
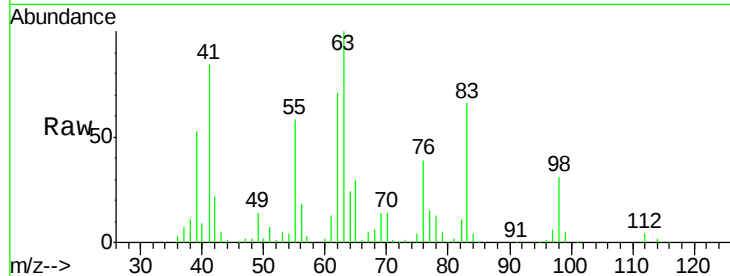
BFB46

Tgt Ion: 63 Resp: 91663

Ion Ratio Lower Upper

63 100

112 3.4 2.9 4.3



#38

Bromodichloromethane

Concen: 50.096 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

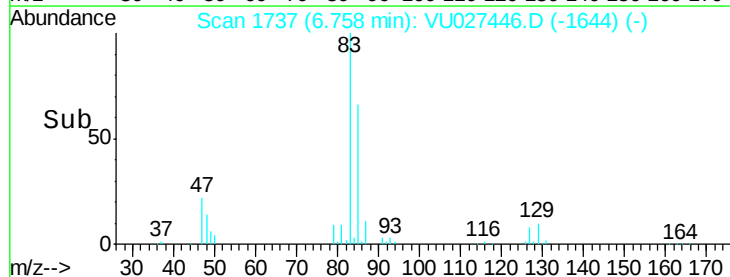
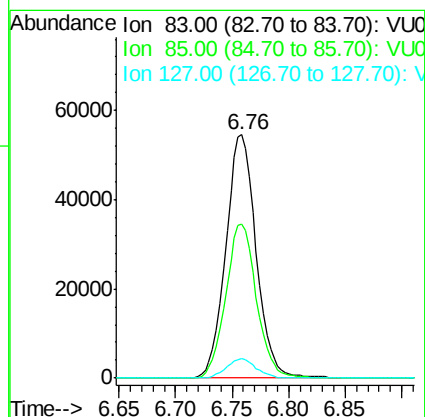
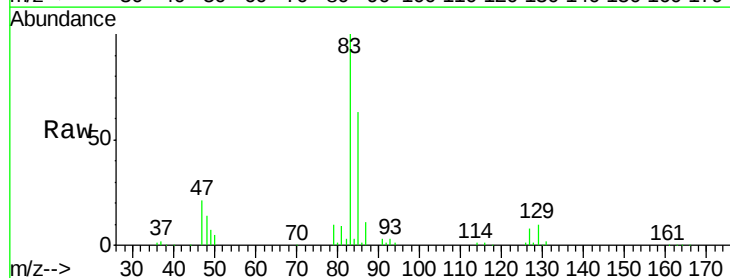
Tgt Ion: 83 Resp: 101834

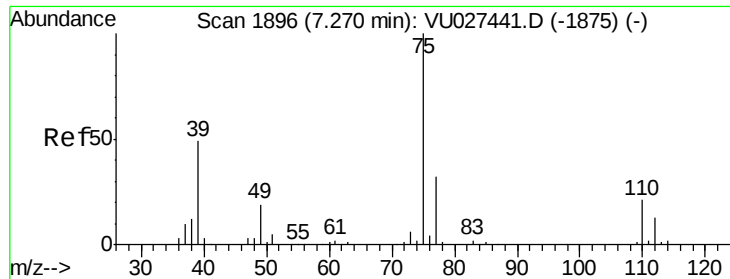
Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.7

127 8.0 6.3 9.5

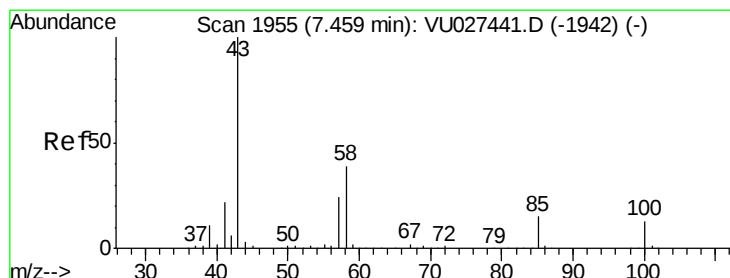
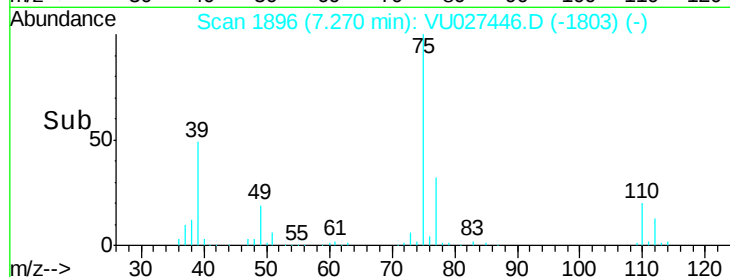
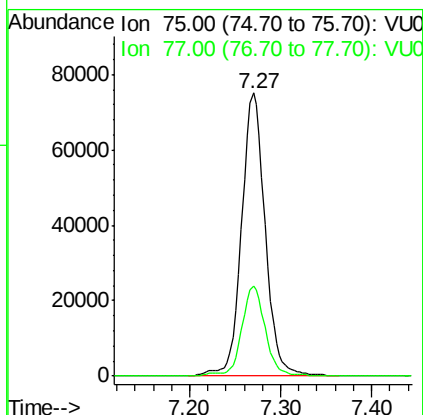
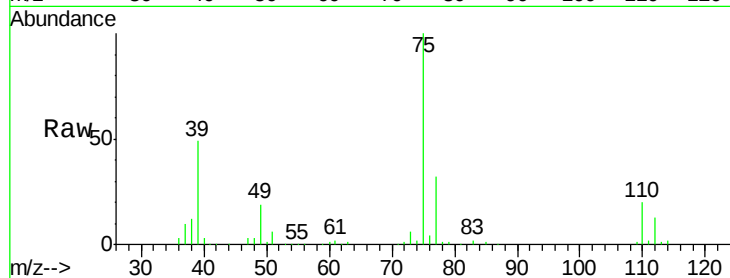




#39
 cis-1,3-Dichloropropene
 Concen: 51.735 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

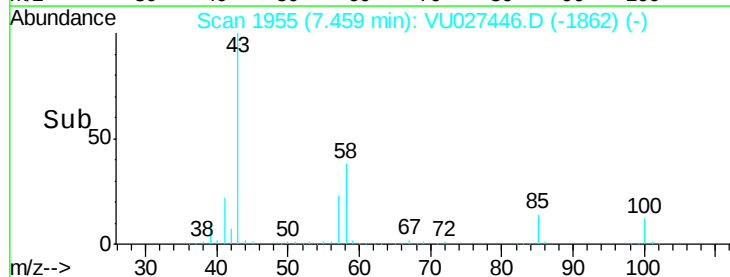
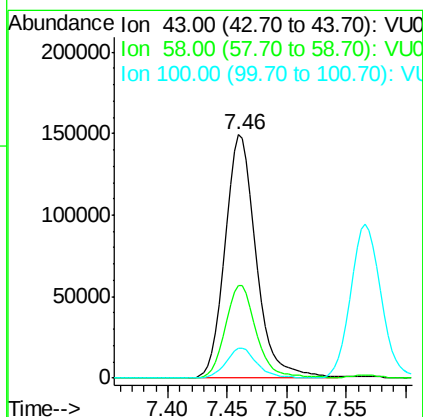
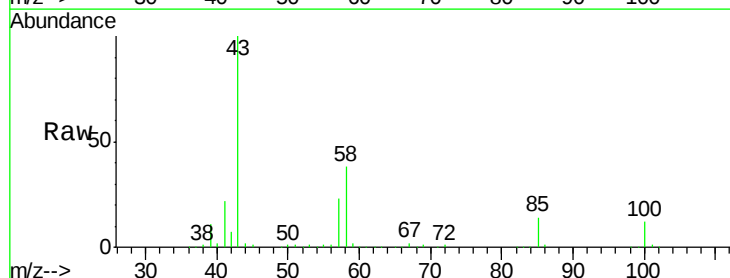
Instrument :
 MSVOA_U
 ClientSampled :
 BFB46

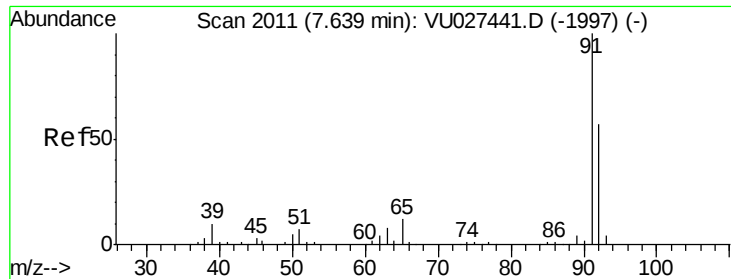
Tgt Ion: 75 Resp: 135987
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 103.538 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

Tgt Ion: 43 Resp: 271223
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.7 46.1
 100 12.3 10.2 15.4





#42

Toluene

Concen: 50.740 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

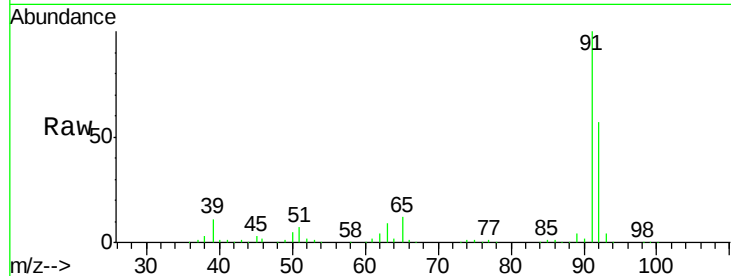
BFB46

Tgt Ion: 91 Resp: 314346

Ion Ratio Lower Upper

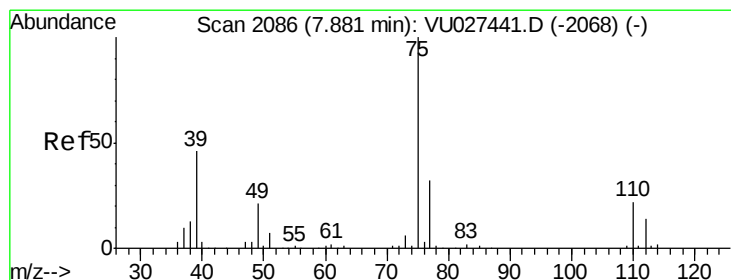
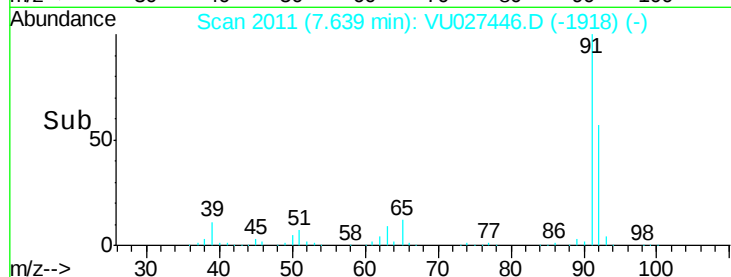
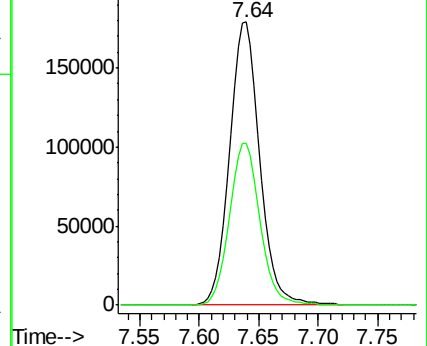
91 100

92 57.4 40.2 74.6



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: 51.727 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027446.D

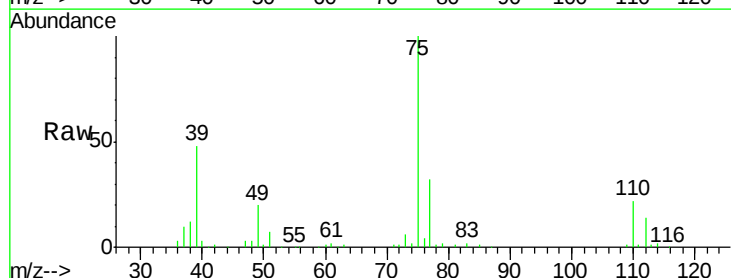
Acq: 05 Oct 2018 11:35

Tgt Ion: 75 Resp: 126208

Ion Ratio Lower Upper

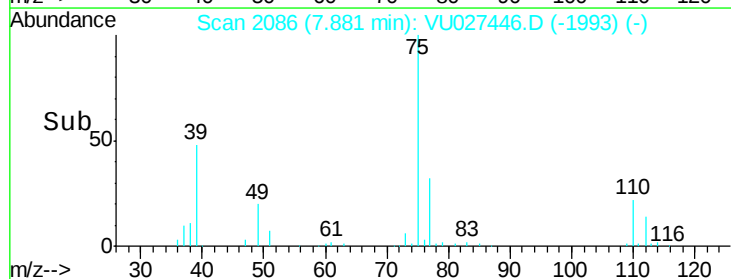
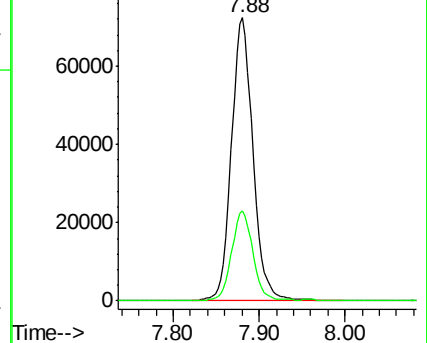
75 100

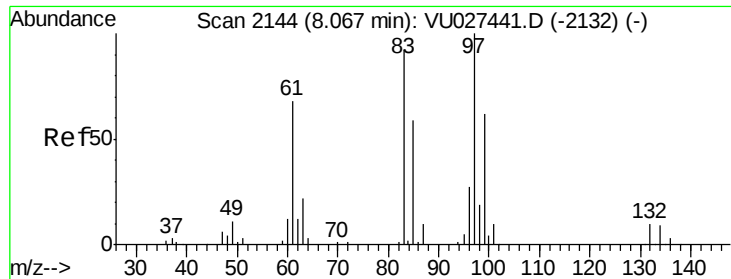
77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

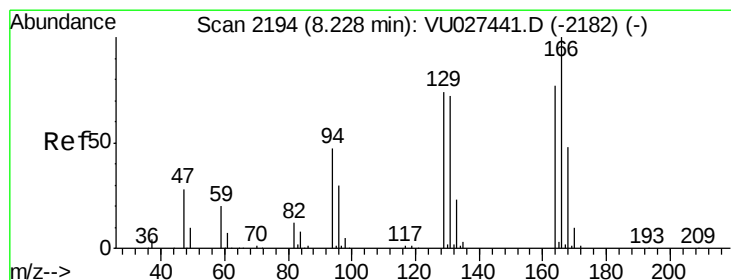
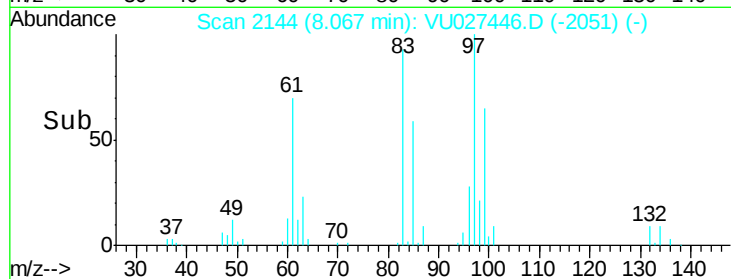
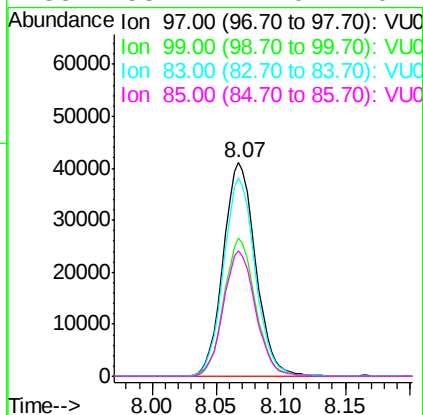
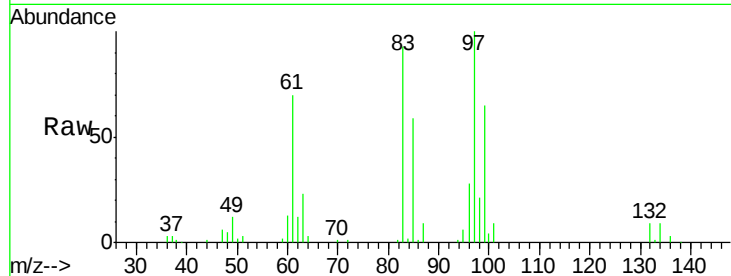




#45
 1,1,2-Trichloroethane
 Concen: 49.873 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

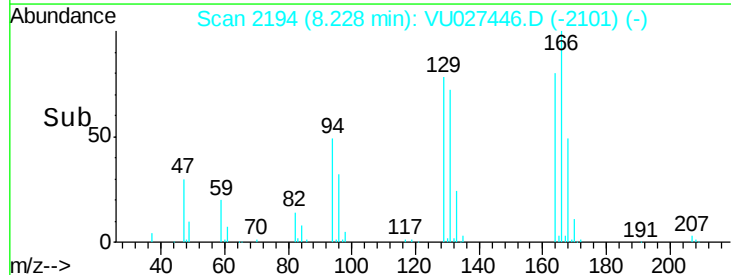
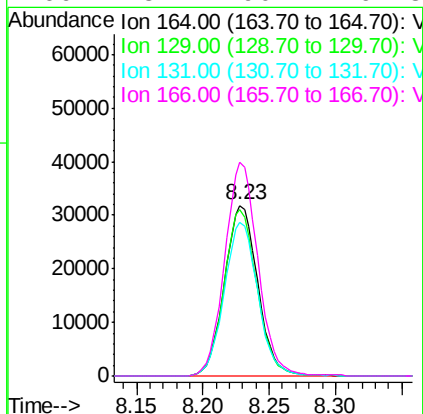
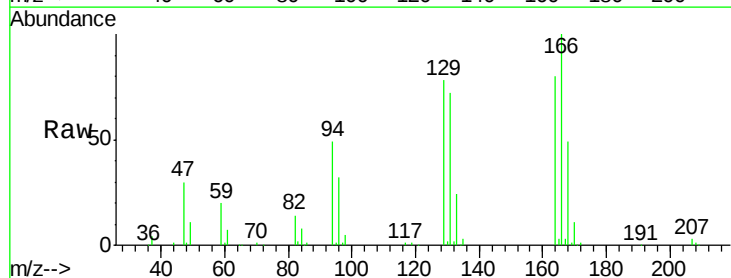
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB46

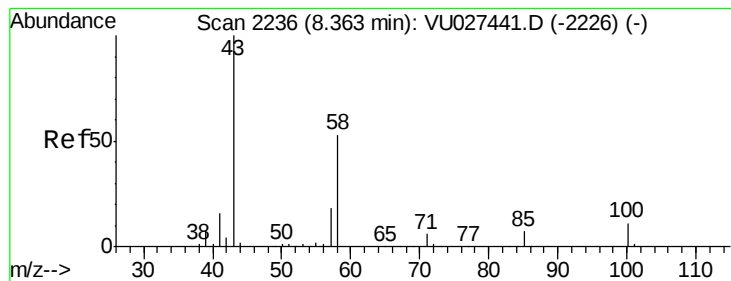
Tgt Ion:	97	Resp:	71618
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.2	80.2
83	92.8	64.3	119.5
85	58.7	41.0	76.2



#46
 Tetrachloroethene
 Concen: 50.242 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

Tgt Ion:	164	Resp:	55445
Ion	Ratio	Lower	Upper
164	100		
129	97.7	67.0	124.4
131	90.2	65.1	120.9
166	125.2	90.4	167.8





#48

2-Hexanone

Concen: 105.673 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampled :

BFB46

Tgt Ion: 43 Resp: 218579

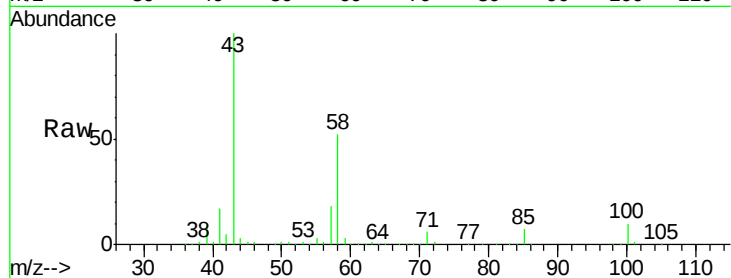
Ion Ratio Lower Upper

43 100

58 52.3 42.7 64.1

57 18.3 14.5 21.7

100 9.9 8.2 12.2

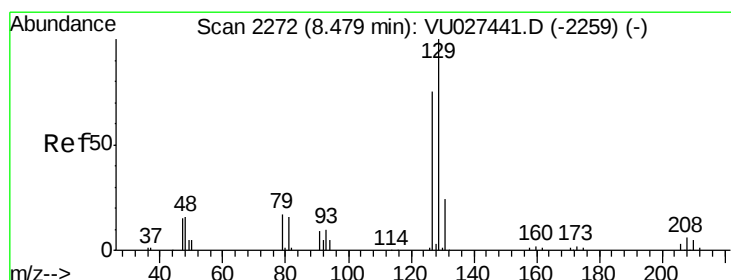
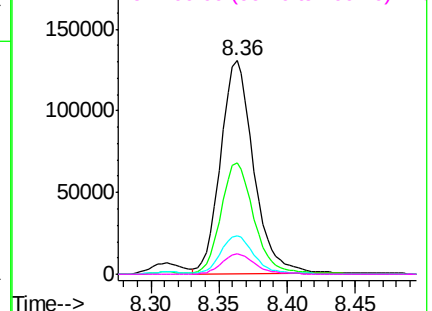
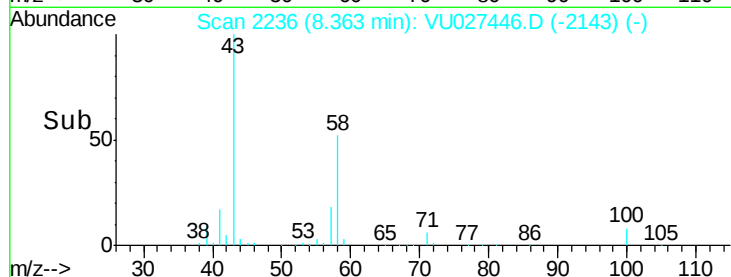


Abundance Ion 43.00 (42.70 to 43.70): VU027446.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU027446.D (-2143) (-)

Ion 57.00 (56.70 to 57.70): VU027446.D (-2143) (-)

Ion 100.00 (99.70 to 100.70): VU027446.D (-2143) (-)



#49

Dibromochloromethane

Concen: 50.582 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027446.D

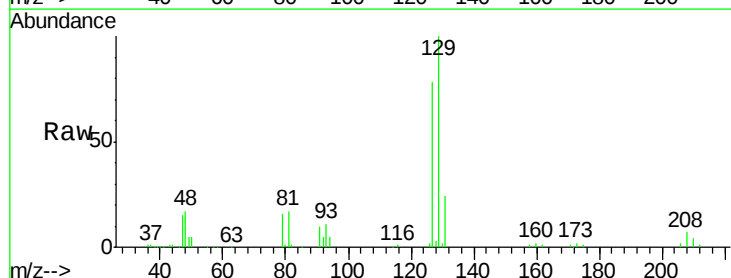
Acq: 05 Oct 2018 11:35

Tgt Ion: 129 Resp: 75739

Ion Ratio Lower Upper

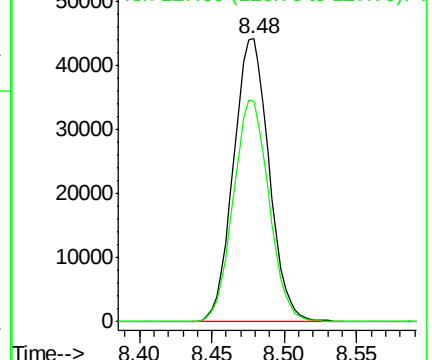
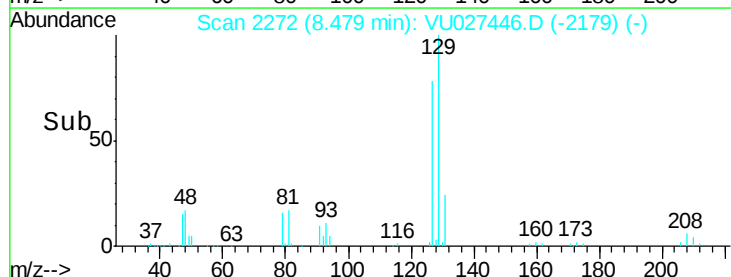
129 100

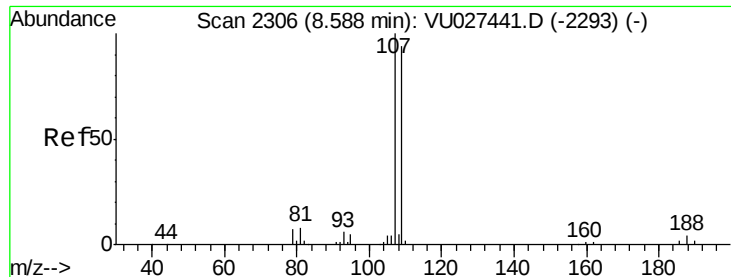
127 78.0 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): VU027446.D (-2179) (-)

Ion 127.00 (126.70 to 127.70): VU027446.D (-2179) (-)

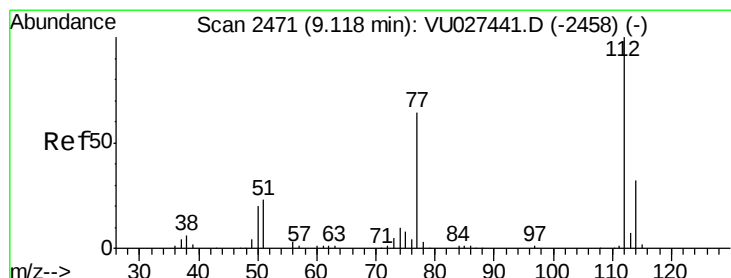
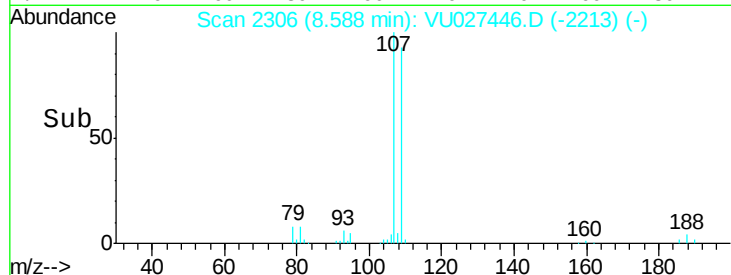
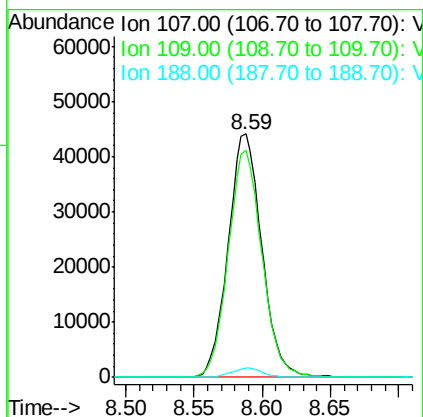
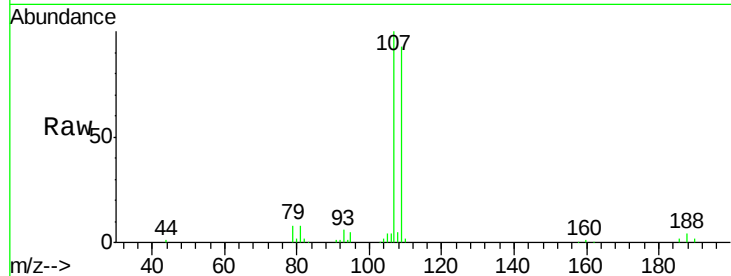




#50
1,2-Dibromoethane
Concen: 49.702 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027446.D
Acq: 05 Oct 2018 11:35

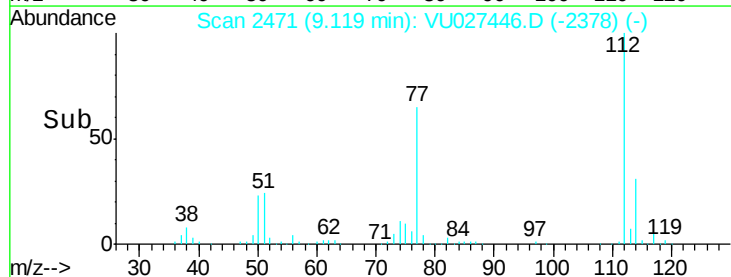
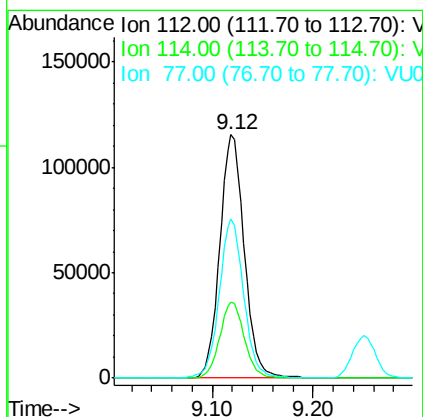
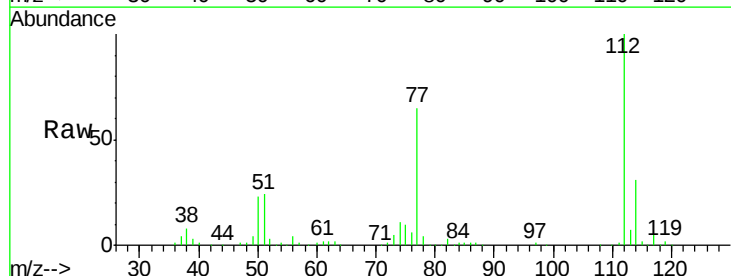
Instrument :
MSVOA_U
ClientSampleId :
BFB46

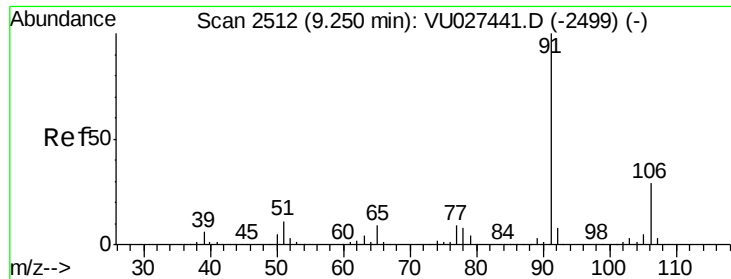
Tgt Ion:107 Resp: 75720
Ion Ratio Lower Upper
107 100
109 93.1 65.5 121.6
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 49.994 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027446.D
Acq: 05 Oct 2018 11:35

Tgt Ion:112 Resp: 195811
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.5
77 65.2 51.7 77.5





#52

Ethylbenzene

Concen: 51.288 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

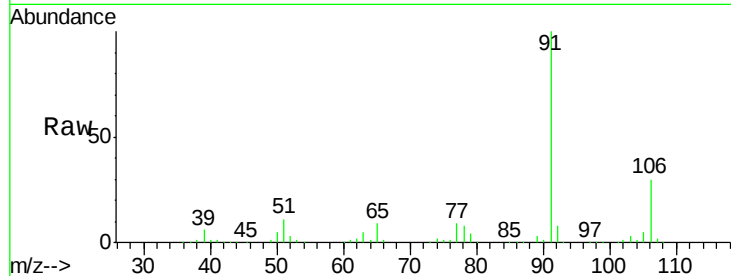
BFB46

Tgt Ion: 91 Resp: 352799

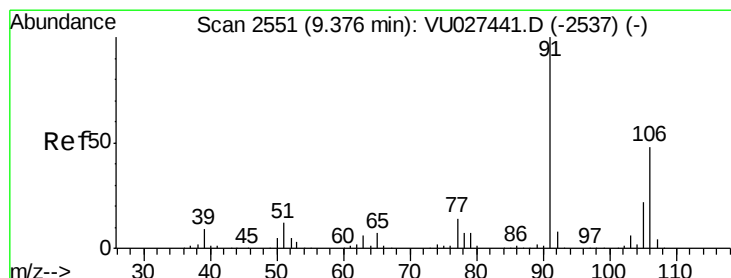
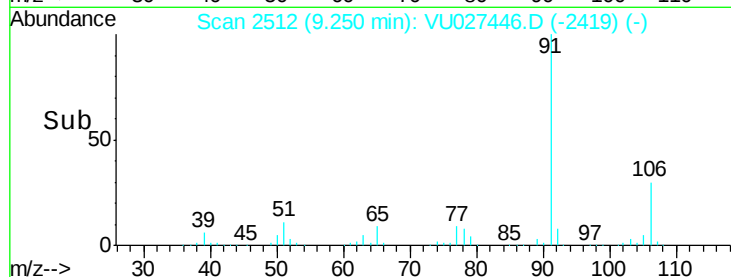
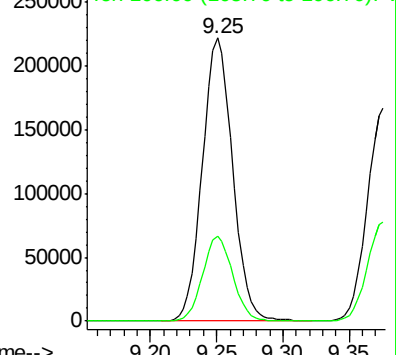
Ion Ratio Lower Upper

91 100

106 29.9 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU027441.D (-2499) (-)



#53

m,p-Xylene

Concen: 50.959 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027446.D

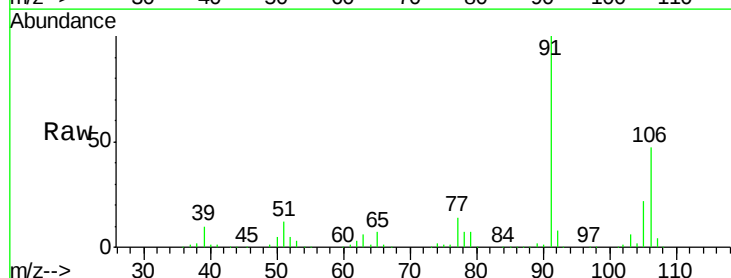
Acq: 05 Oct 2018 11:35

Tgt Ion: 106 Resp: 128301

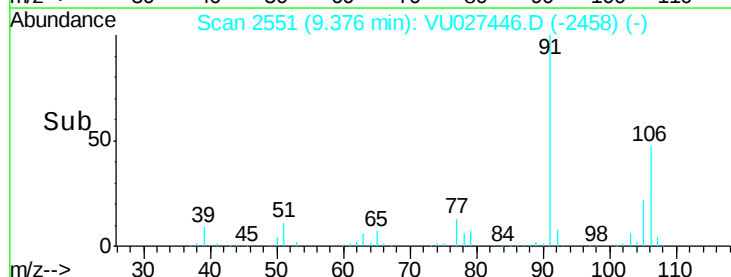
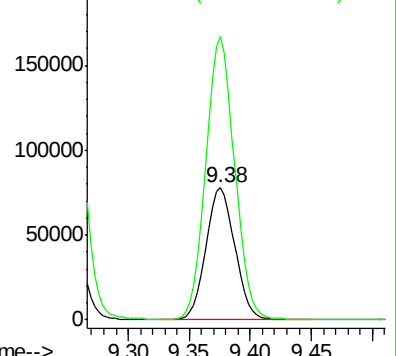
Ion Ratio Lower Upper

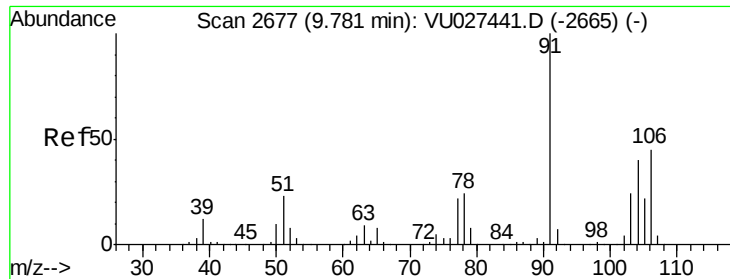
106 100

91 214.1 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): VU027441.D (-2537) (-)





#54

o-xylene

Concen: 55.002 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

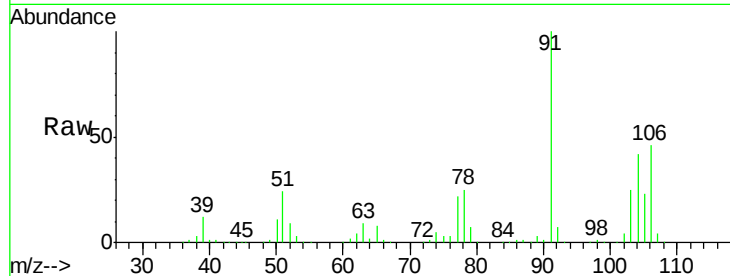
BFB46

Tgt Ion:106 Resp: 133408

Ion Ratio Lower Upper

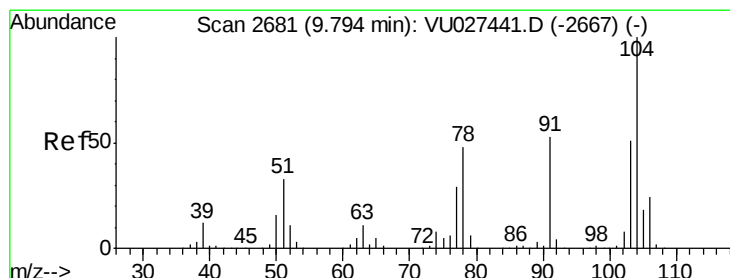
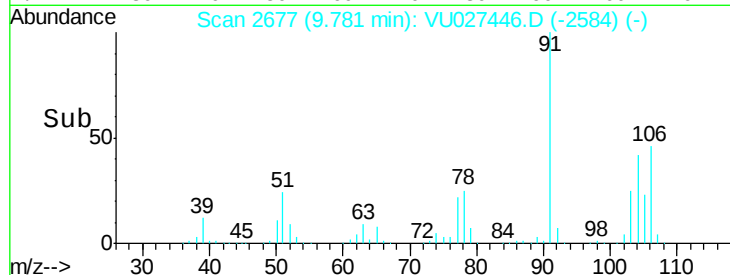
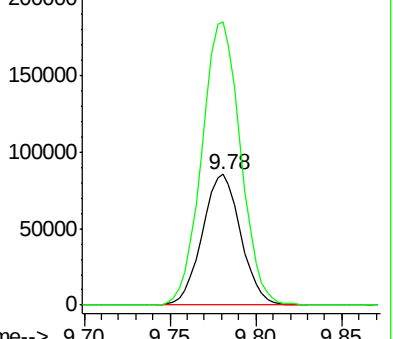
106 100

91 216.5 154.8 287.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.483 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027446.D

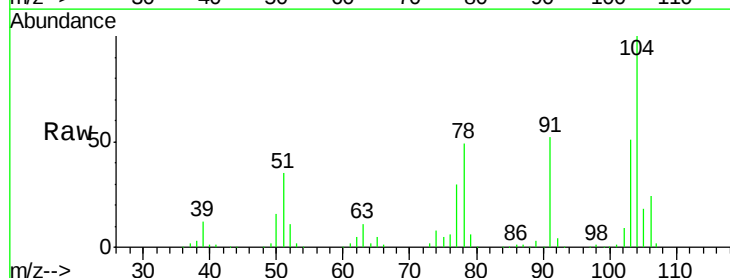
Acq: 05 Oct 2018 11:35

Tgt Ion:104 Resp: 230451

Ion Ratio Lower Upper

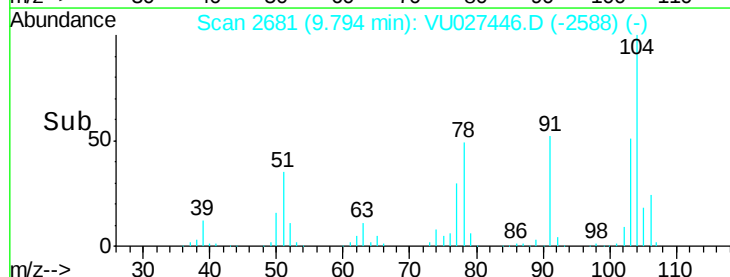
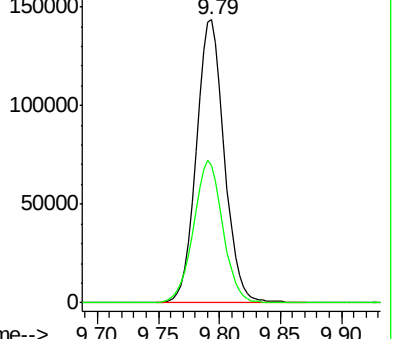
104 100

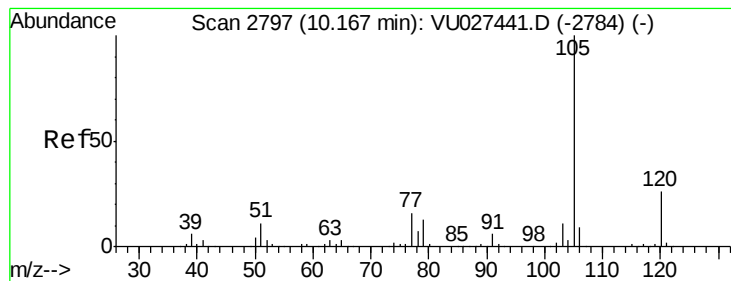
78 48.6 33.6 62.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 55.659 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampled :

BFB46

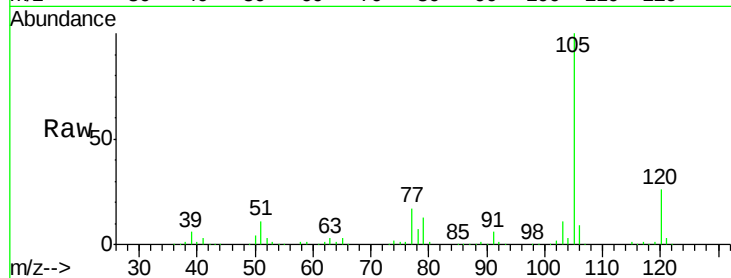
Tgt Ion: 105 Resp: 353793

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

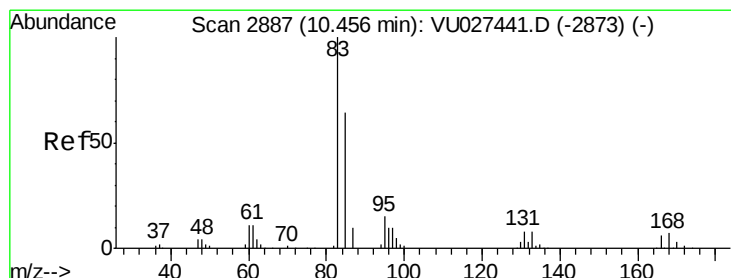
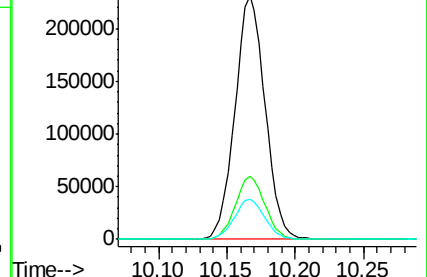
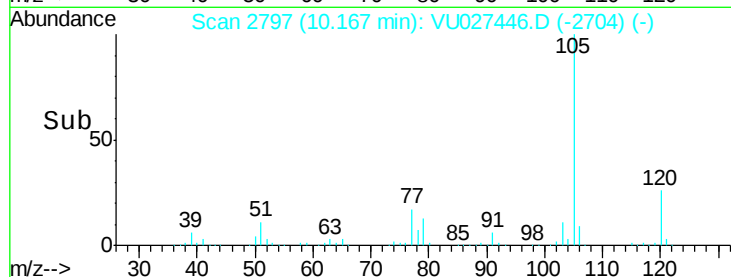
77 16.5 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.187 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

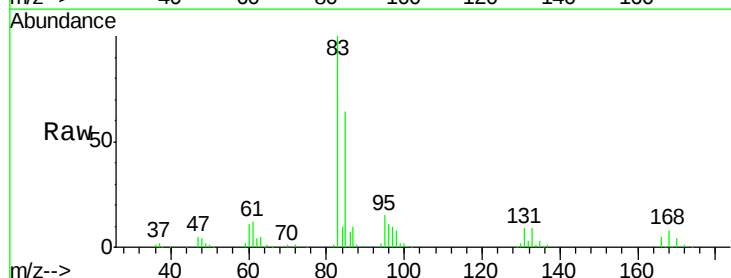
Tgt Ion: 83 Resp: 133819

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0

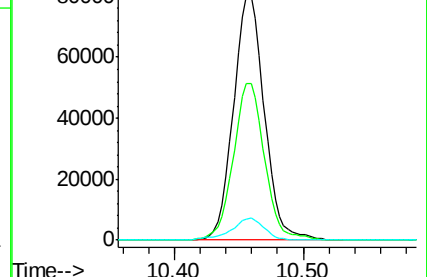
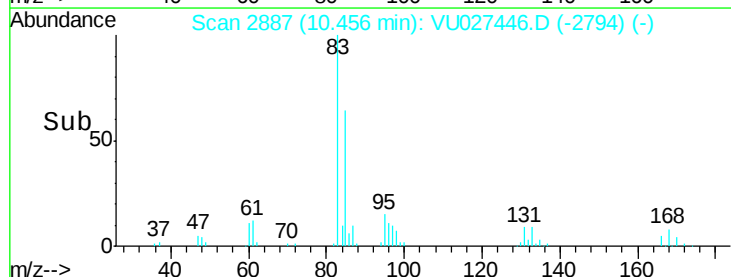
131 8.8 6.7 10.1

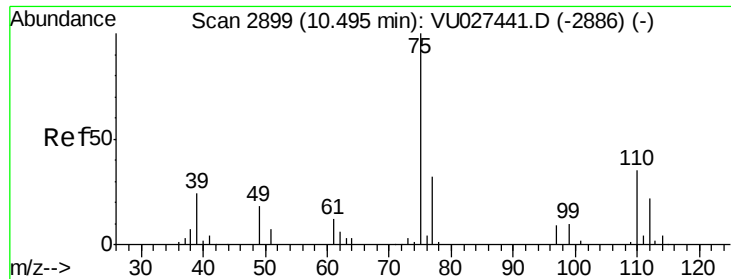


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.520 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

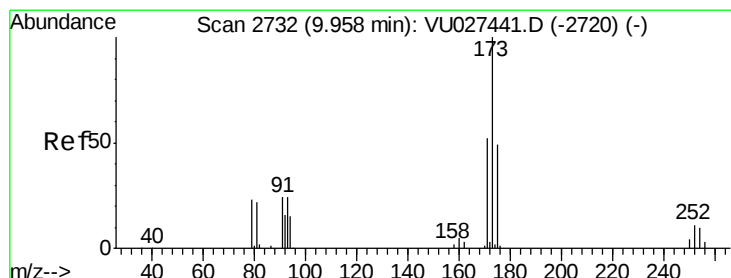
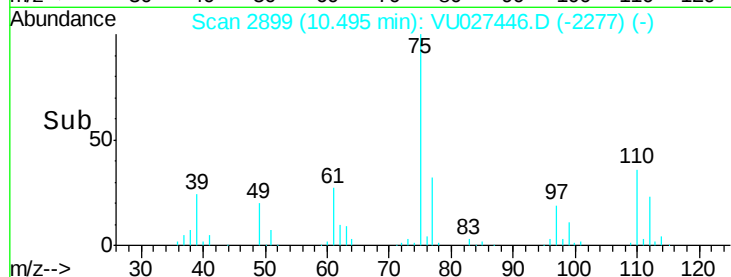
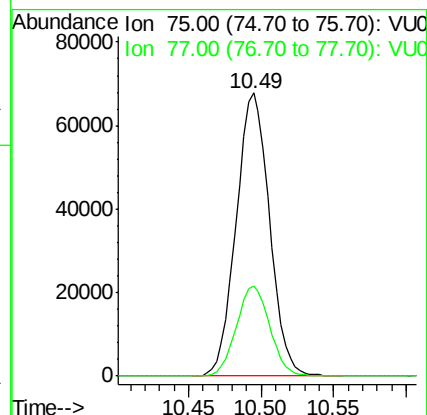
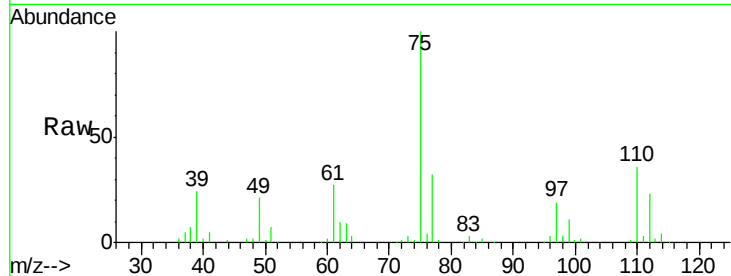
BFB46

Tgt Ion: 75 Resp: 108393

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 48.917 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

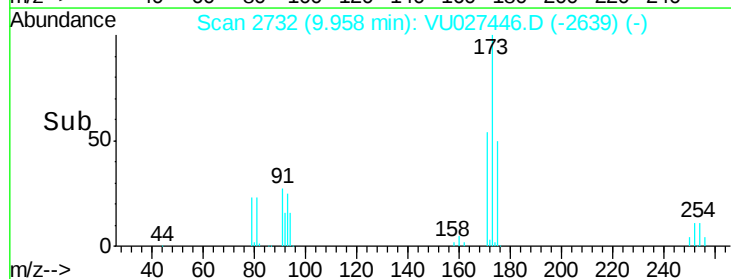
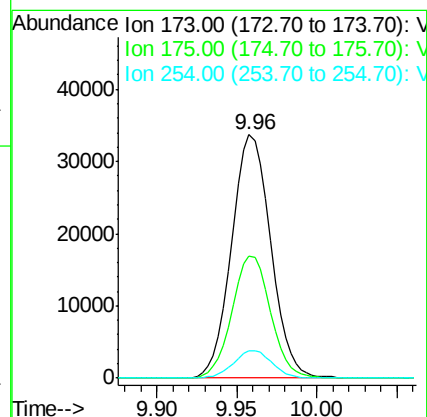
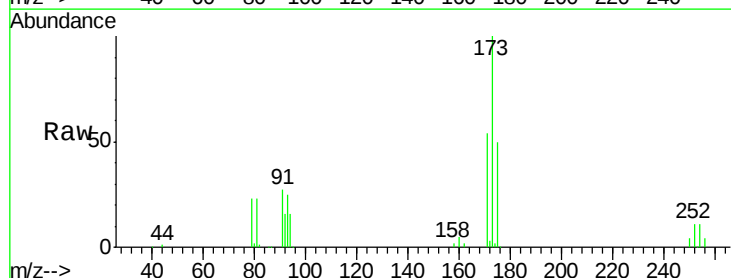
Tgt Ion: 173 Resp: 56347

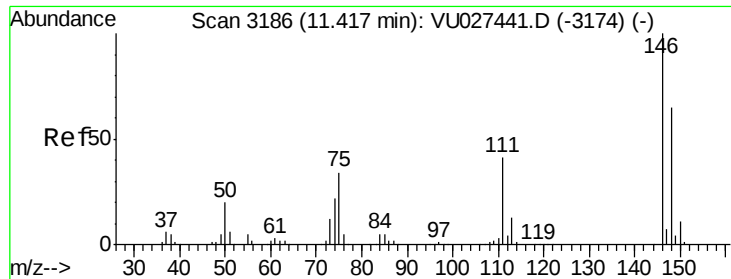
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

254 10.9 8.3 12.5

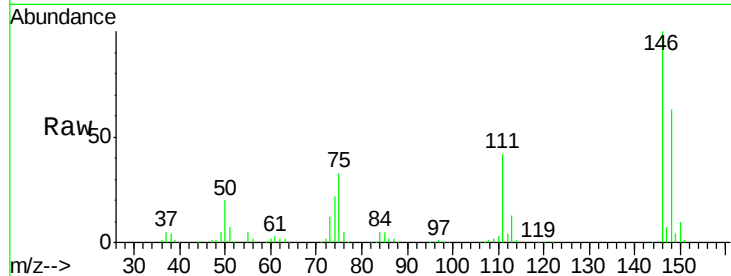




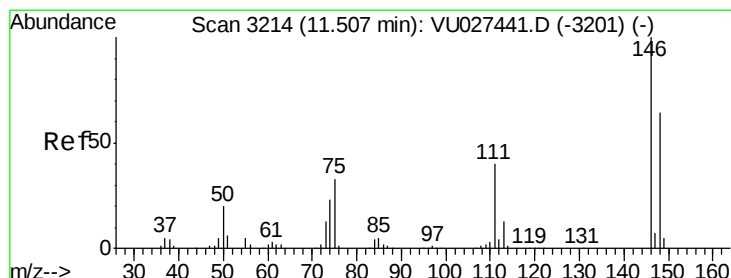
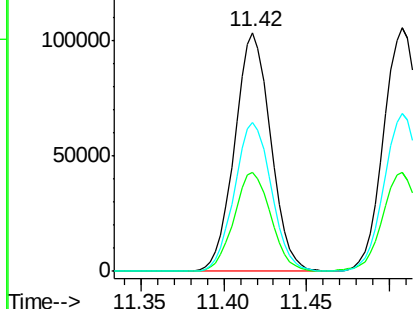
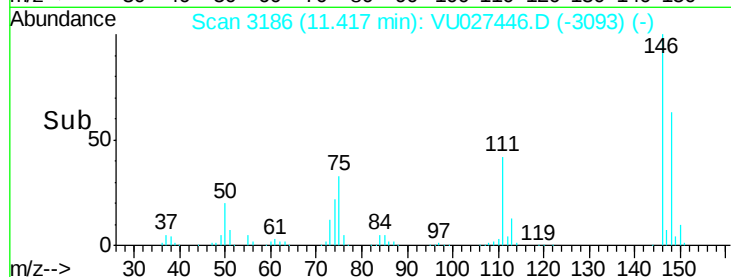
#62
 1,3-Dichlorobenzene
 Concen: 49.686 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB46

Tgt Ion:146 Resp: 156768
 Ion Ratio Lower Upper
 146 100
 111 41.5 29.0 53.8
 148 62.7 45.4 84.2

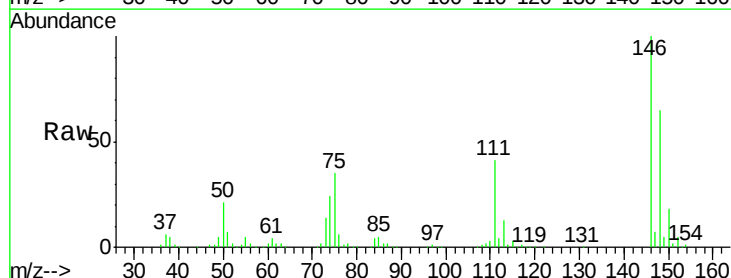


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

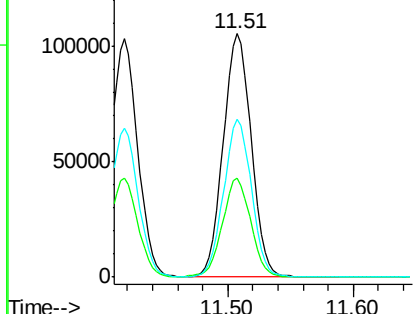
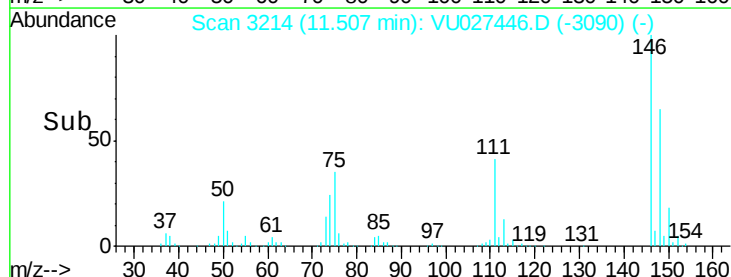


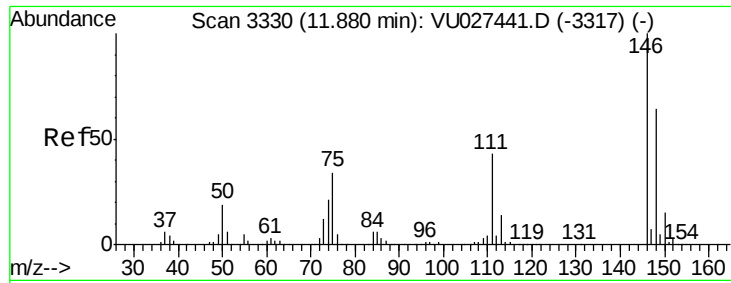
#63
 1,4-Dichlorobenzene
 Concen: 49.788 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

Tgt Ion:146 Resp: 163858
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.1 52.1
 148 65.0 44.4 82.5



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

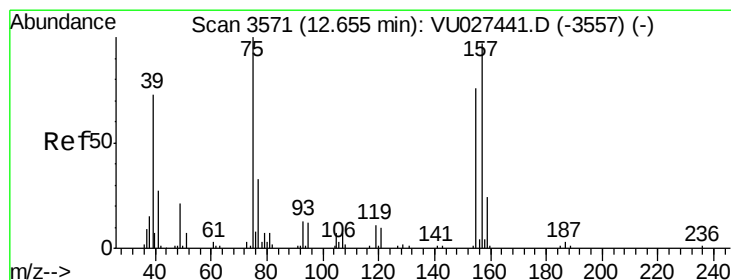
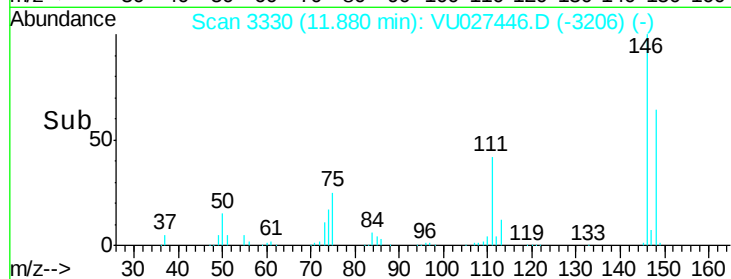
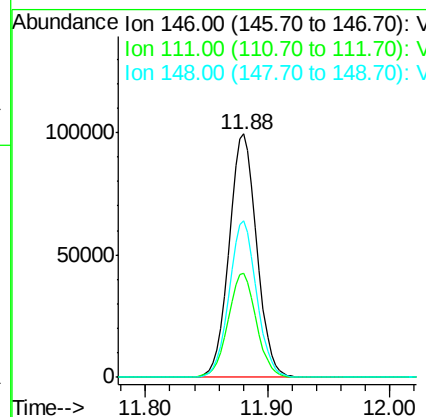
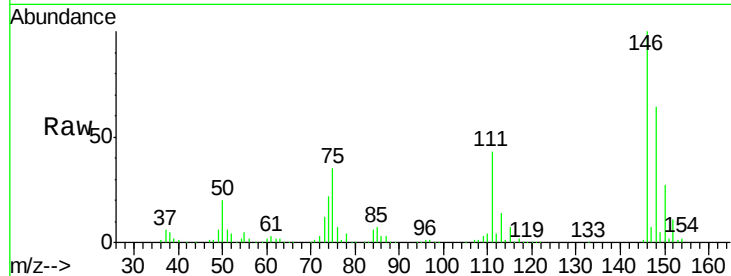




#65
 1,2-Dichlorobenzene
 Concen: 49.280 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

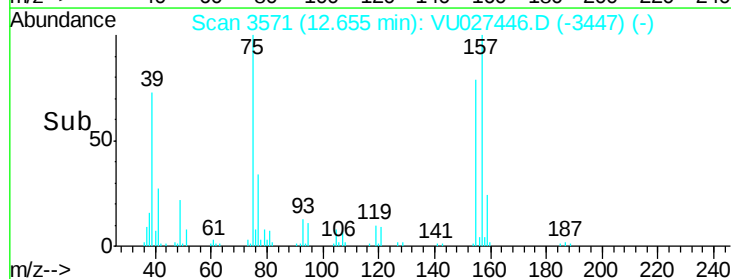
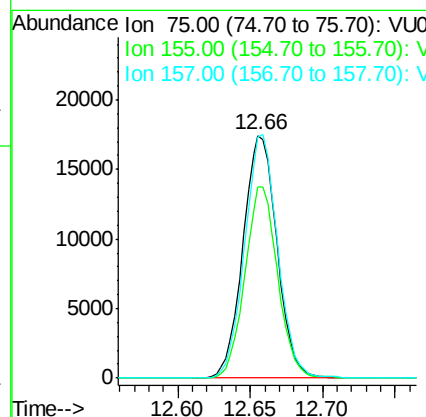
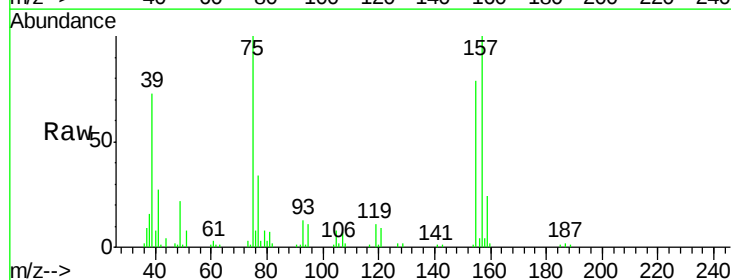
Instrument :
 MSVOA_U
 ClientSampled :
 BFB46

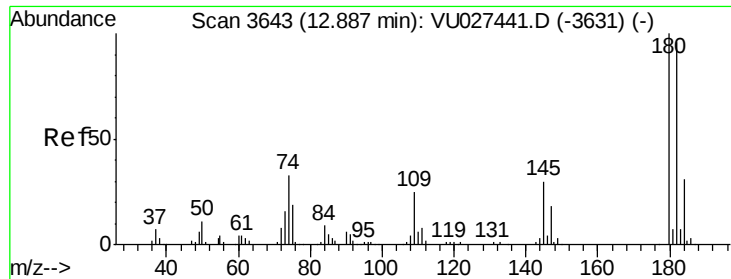
Tgt Ion: 146 Resp: 158282
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.9 52.3
 148 64.3 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.661 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

Tgt Ion: 75 Resp: 28378
 Ion Ratio Lower Upper
 75 100
 155 78.6 61.0 91.6
 157 99.5 77.8 116.8

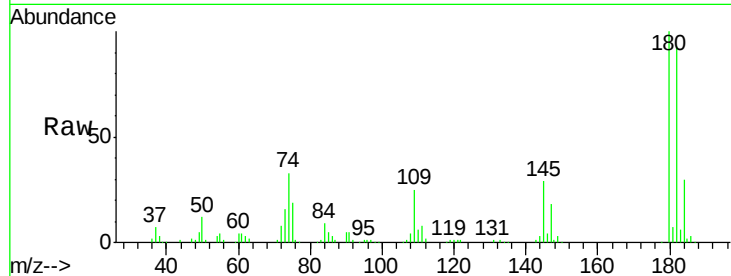




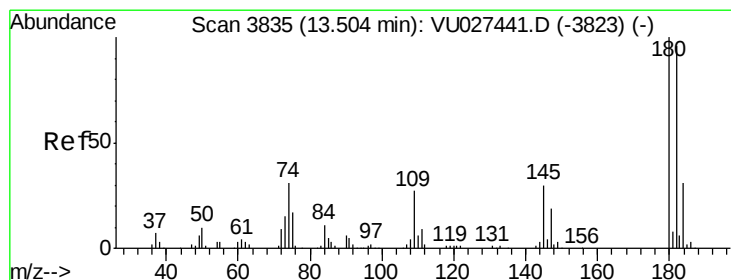
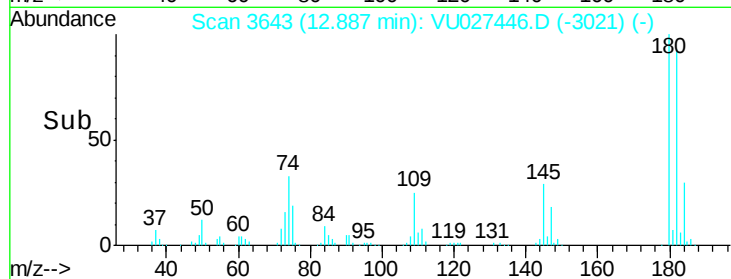
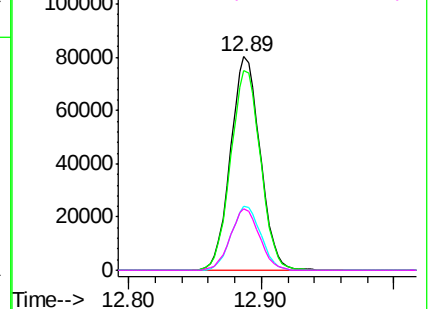
#67
 1,3,5-Trichlorobenzene
 Concen: 50.960 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB46

Tgt Ion:180 Resp: 124225
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.7 115.1
 184 30.0 24.5 36.7
 145 28.5 23.8 35.8

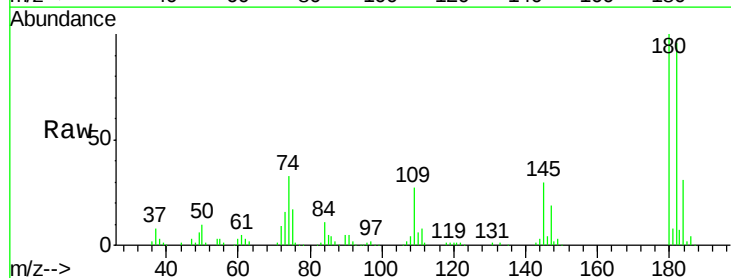


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

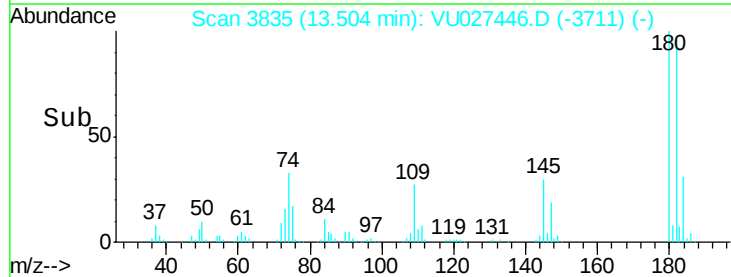
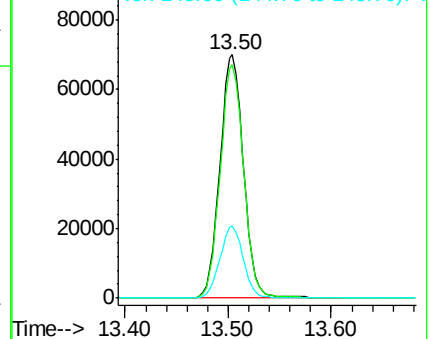


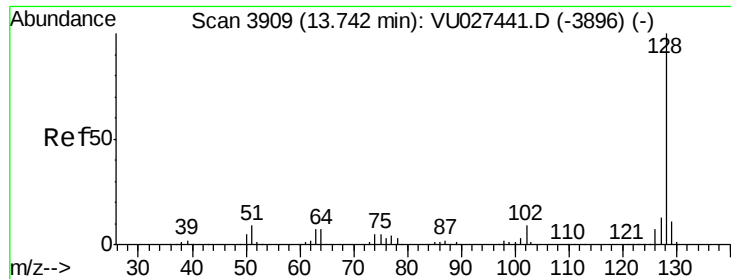
#68
 1,2,4-trichlorobenzene
 Concen: 49.563 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027446.D
 Acq: 05 Oct 2018 11:35

Tgt Ion:180 Resp: 111109
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.3 114.5
 145 29.4 24.2 36.2



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: 50.637 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

Instrument :

MSVOA_U

ClientSampleId :

BFB46

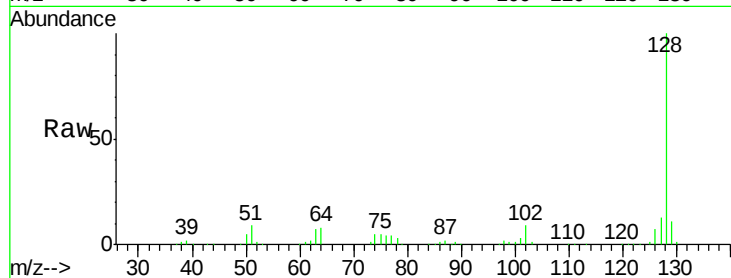
Tgt Ion:128 Resp: 350026

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

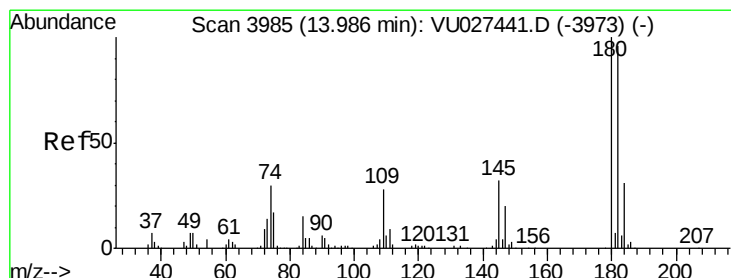
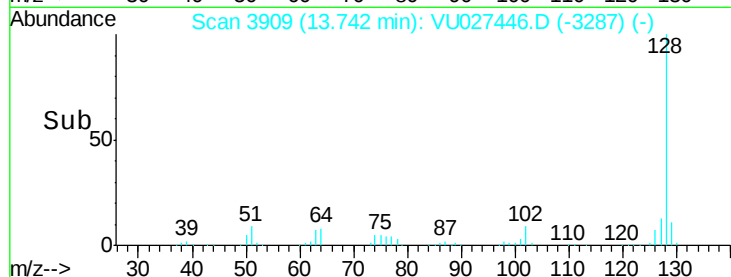
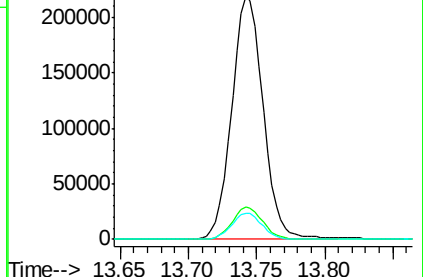
129 10.6 8.6 12.8



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: 49.768 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027446.D

Acq: 05 Oct 2018 11:35

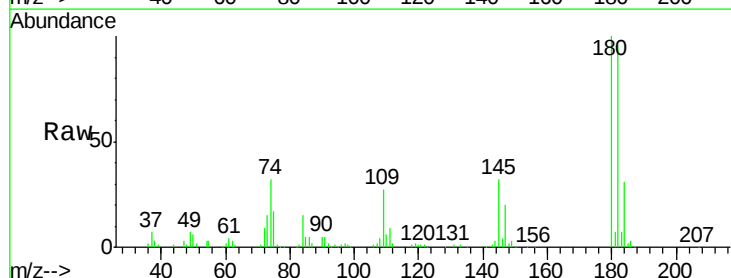
Tgt Ion:180 Resp: 113454

Ion Ratio Lower Upper

180 100

182 95.5 77.4 116.0

145 31.4 25.5 38.3



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

