

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
 Data File : VU026773.D
 Acq On : 15 Sep 2018 12:46
 Operator : MD/SY
 Sample : VSTD02044
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 04:18:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 04:13:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	137584	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	124317	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	70575	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	200782	11.97	ug/L	0.00
7) Chloroethane-d5	1.68	69	166715	13.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	383373	13.33	ug/L	0.00
20) 2-Butanone-d5	4.22	46	457274	143.77	ug/L	0.00
24) Chloroform-d	4.65	84	347893	17.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	174684	14.02	ug/L	0.00
32) Benzene-d6	5.34	84	690023	16.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	221488	16.28	ug/L	0.00
41) Toluene-d8	7.57	98	669574	17.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	86919	17.55	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	399867	185.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	173245	16.38	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	259898	16.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	290811	21.449 ug/L	99
3) Chloromethane	1.33	50	289807	17.103 ug/L	99
5) Vinyl chloride	1.40	62	296707	17.386 ug/L	100
6) Bromomethane	1.63	94	159755	19.304 ug/L	97
8) Chloroethane	1.70	64	179799	17.632 ug/L	97
9) Trichlorofluoromethane	1.88	101	366598	17.882 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	215297	17.878 ug/L	98
12) 1,1-Dichloroethene	2.29	96	201950	18.333 ug/L	89
13) Acetone	2.35	43	364945	150.134 ug/L	100
14) Carbon disulfide	2.48	76	698652	17.308 ug/L	100
15) Methyl Acetate	2.63	43	97137	14.407 ug/L	100
16) Methylene chloride	2.70	84	215823	15.719 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	490851	17.815 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	217044	17.892 ug/L	97
19) 1,1-Dichloroethane	3.45	63	407193	16.520 ug/L	99
21) 2-Butanone	4.30	43	645676	198.750 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	236297	18.913 ug/L	97
23) Bromochloromethane	4.55	128	99367	19.501 ug/L	95
25) Chloroform	4.67	83	392854	16.356 ug/L	99
27) 1,2-Dichloroethane	5.41	62	253982	18.678 ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	343789	21.327 ug/L	100
30) Cyclohexane	4.99	56	402322	23.976 ug/L	100
31) Carbon tetrachloride	5.13	117	305708	21.119 ug/L	99
33) Benzene	5.39	78	879493	20.787 ug/L	100
34) Trichloroethene	6.18	95	230928	20.191 ug/L	98
35) Methylcyclohexane	6.41	83	403370	24.431 ug/L	97
37) 1,2-Dichloropropane	6.44	63	239825	20.610 ug/L	100
38) Bromodichloromethane	6.76	83	289950	21.100 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	349903	23.442 ug/L	99
40) 4-Methyl-2-pentanone	7.48	43	1498219	226.259 ug/L	98

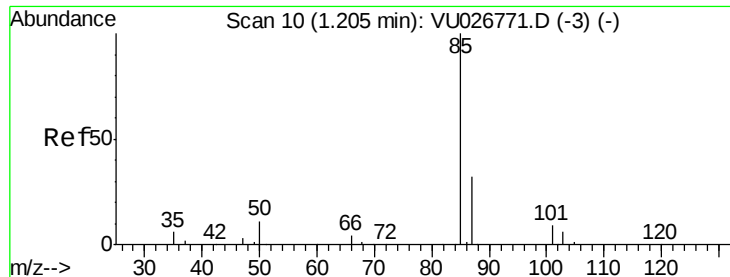
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	973115	22.659	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	284754	23.331	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	158847	21.481	ug/L	99
47) Tetrachloroethene	8.23	164	201937	23.071	ug/L	96
48) 2-Hexanone	8.38	43	1081453	222.258	ug/L	99
49) Dibromochloromethane	8.48	129	204662	22.545	ug/L	98
50) 1,2-Dibromoethane	8.59	107	151727	21.738	ug/L	99
51) Chlorobenzene	9.12	112	621305	22.104	ug/L	99
52) Ethylbenzene	9.25	91	1078258	23.860	ug/L	99
53) m,p-xylene	9.38	106	418432	24.820	ug/L	99
54) o-xylene	9.78	106	405661	25.443	ug/L	100
55) Styrene	9.79	104	716363	25.487	ug/L	99
56) Isopropylbenzene	10.17	105	1077492	25.552	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	202664	20.973	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	144824	21.329	ug/L	99
61) Bromoform	9.96	173	120485	20.730	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	499639	21.458	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	525699	21.202	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	498172	21.469	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	31766	20.811	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	427815	21.851	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	364230	23.189	ug/L	98
69) Naphthalene	13.74	128	612489	26.021	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	350358	23.975	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 21.449 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

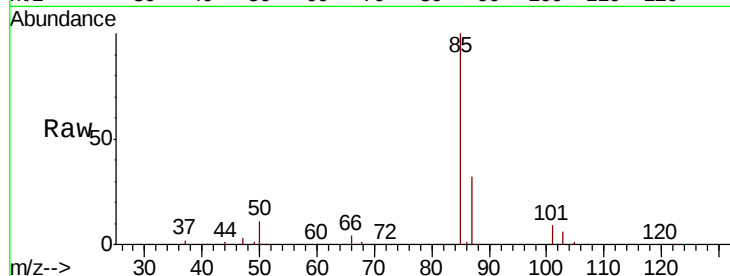
ClientSampled :

Tot Ion: 85 Resp: 290811

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU026773.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU026773.D (-3) (-)

1.21

300000

250000

200000

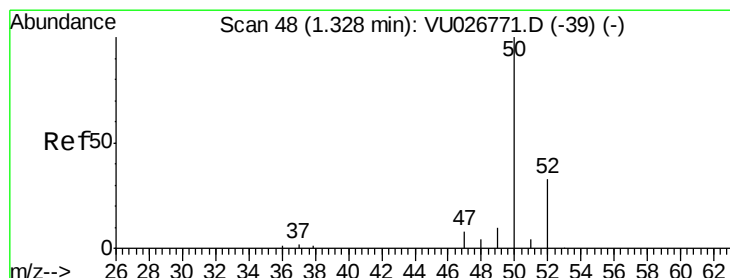
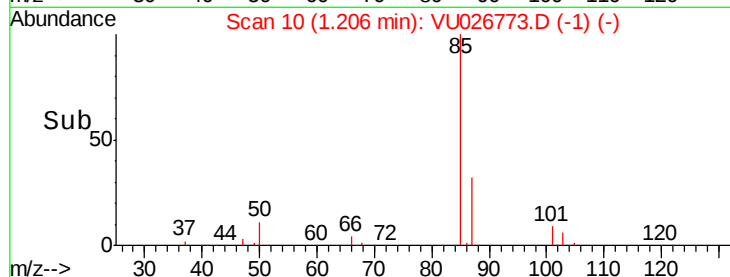
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 17.103 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026773.D

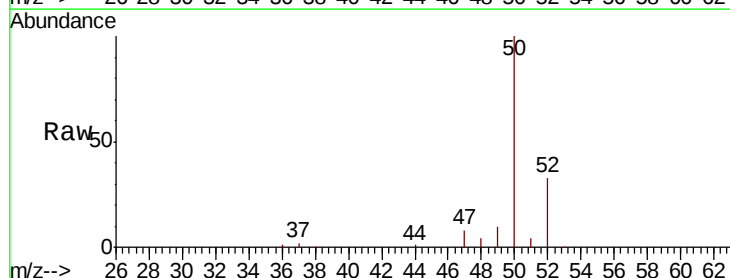
Acq: 15 Sep 2018 12:46

Tgt Ion: 50 Resp: 289807

Ion Ratio Lower Upper

50 100

52 32.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU026773.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VU026773.D (-39) (-)

1.33

250000

200000

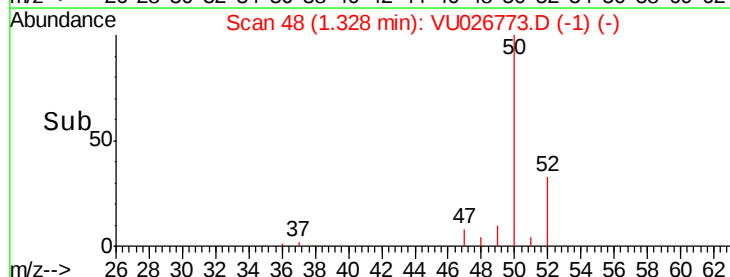
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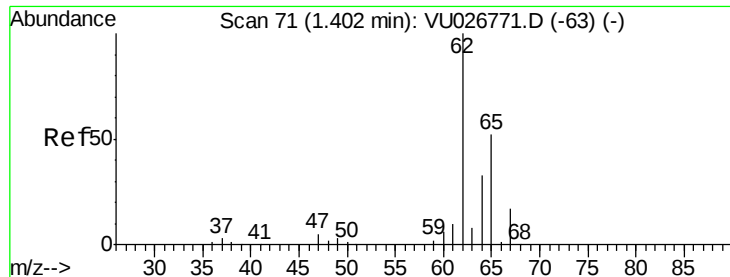
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 17.386 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

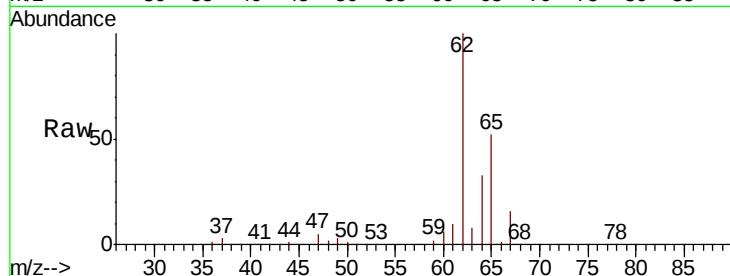
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 296707

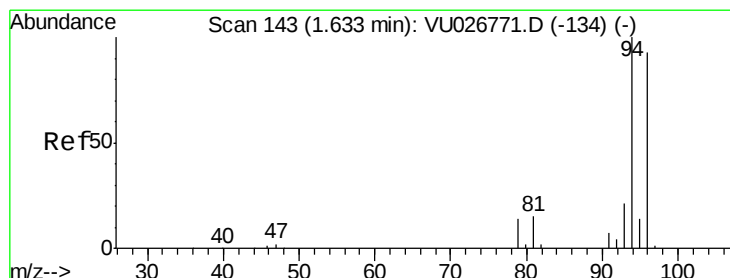
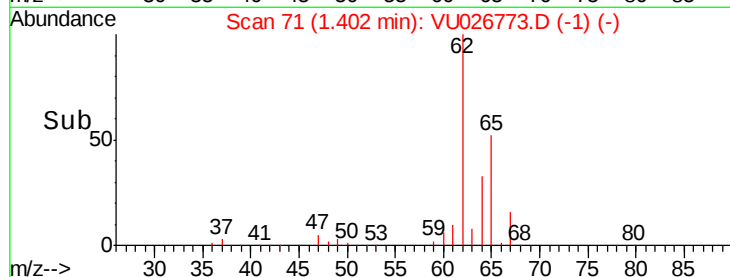
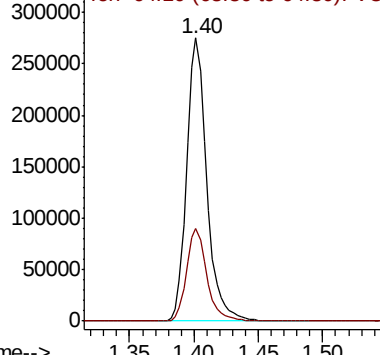
Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 19.304 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU026773.D

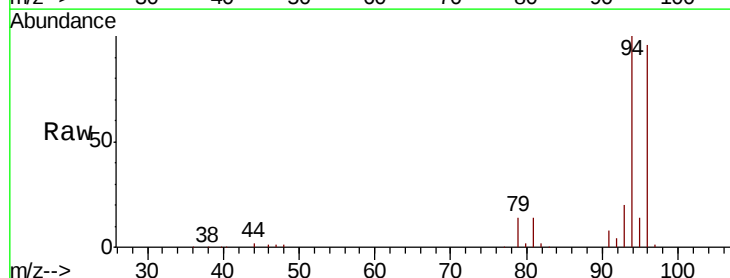
Acq: 15 Sep 2018 12:46

Tgt Ion: 94 Resp: 159755

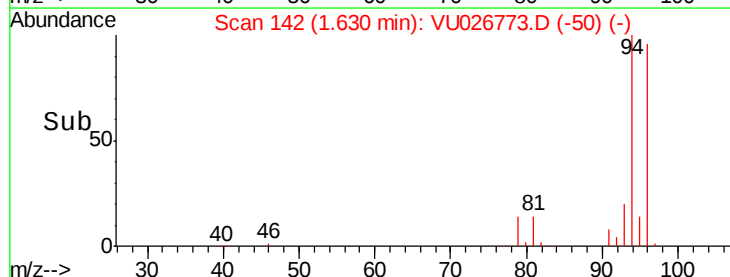
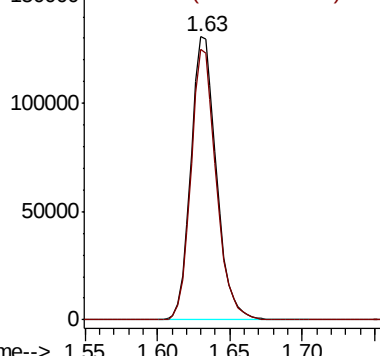
Ion Ratio Lower Upper

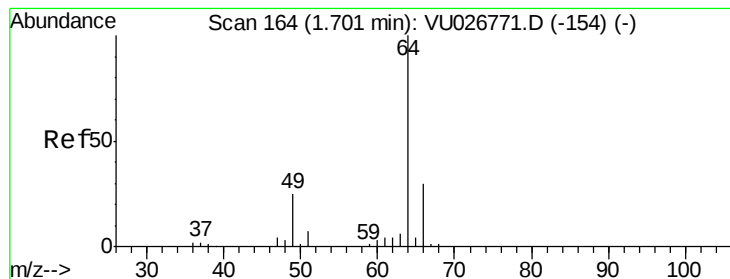
94 100

96 95.7 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 17.632 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

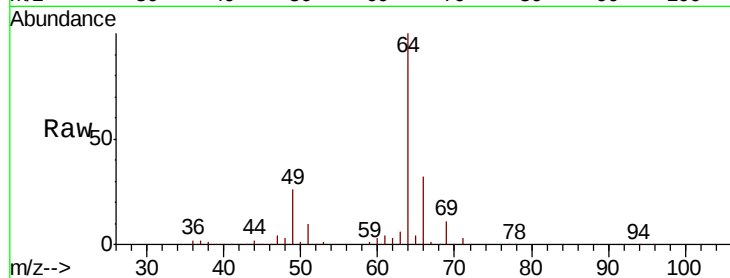
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 179799

Ion Ratio Lower Upper

64 100

66 31.7 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VU026773.D (-154) (-)

Ion 66.05 (65.75 to 66.75): VU026773.D (-154) (-)

1.70

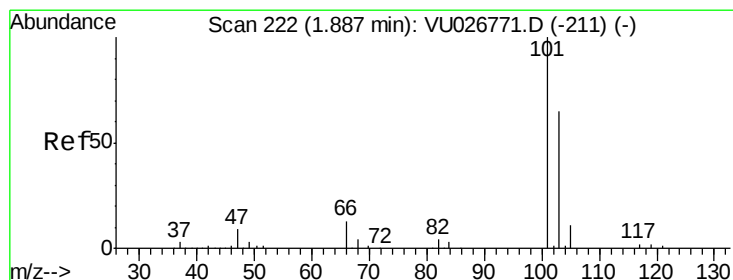
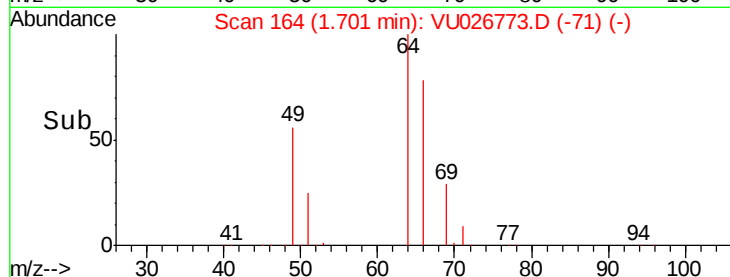
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 17.882 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026773.D

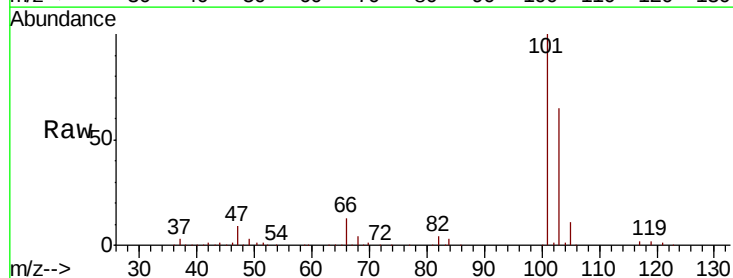
Acq: 15 Sep 2018 12:46

Tgt Ion:101 Resp: 366598

Ion Ratio Lower Upper

101 100

103 64.6 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU026773.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026773.D (-211) (-)

1.88

300000

250000

200000

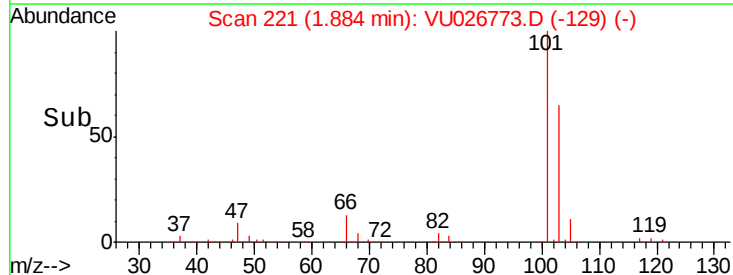
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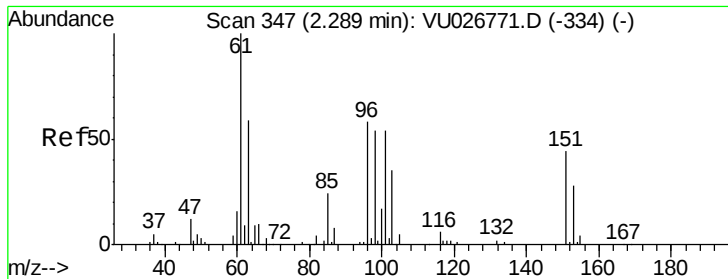
100000

50000

0

Time-->





#10

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

Concen: 17.878 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

ClientSampled :

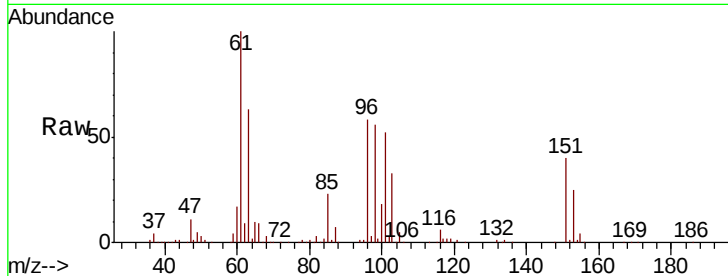
Tot Ion:101 Resp: 215297

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

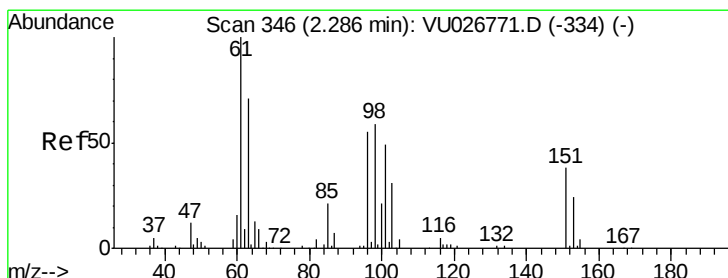
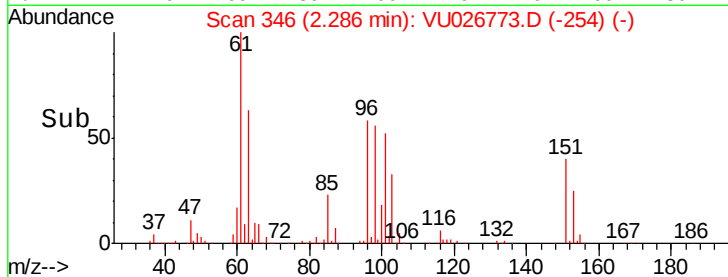
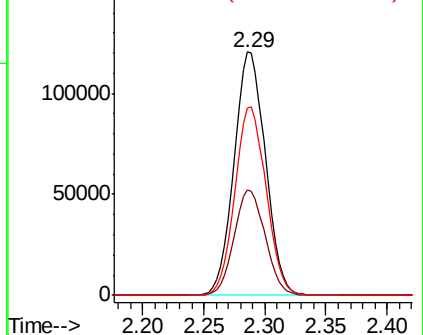
151 76.9 63.3 94.9



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: 18.333 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

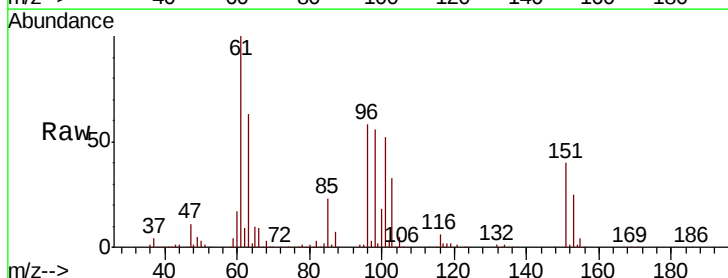
Tgt Ion: 96 Resp: 201950

Ion Ratio Lower Upper

96 100

61 173.1 126.6 235.2

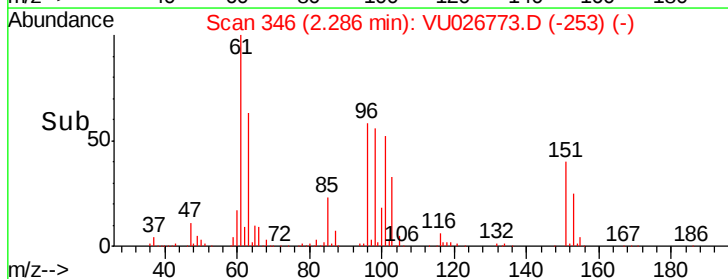
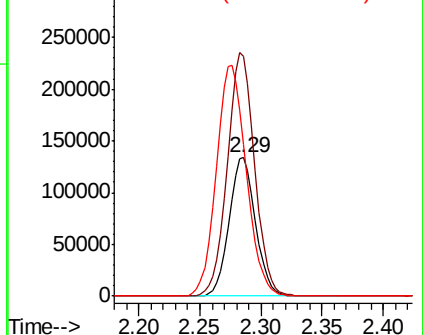
63 109.2 91.3 169.5

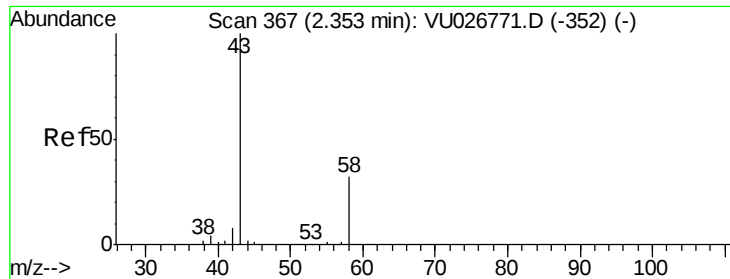


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 150.134 ug/L

RT: 2.35 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

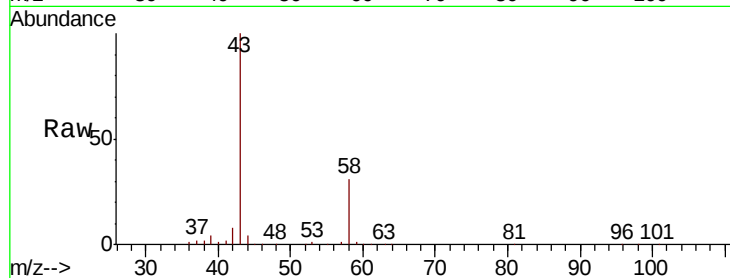
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 364945

Ion Ratio Lower Upper

43 100

58 31.3 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

150000

100000

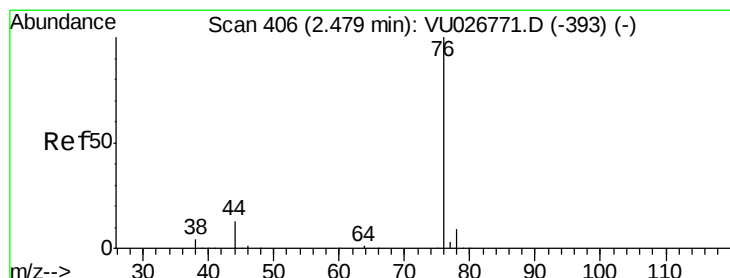
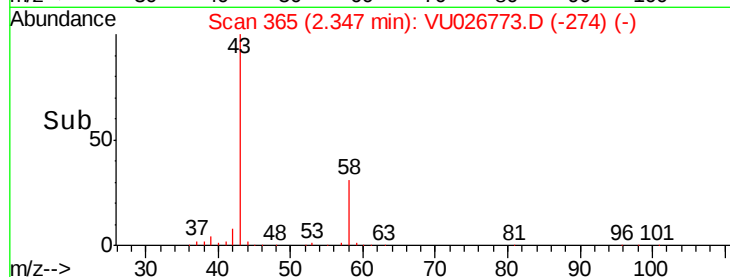
50000

0

2.35

2.30 2.40 2.50

Time-->



#14

Carbon disulfide

Concen: 17.308 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026773.D

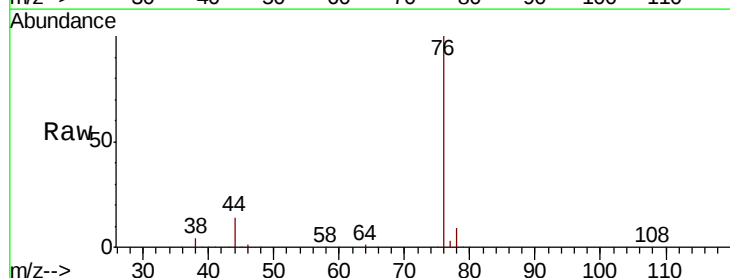
Acq: 15 Sep 2018 12:46

Tgt Ion: 76 Resp: 698652

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

200000

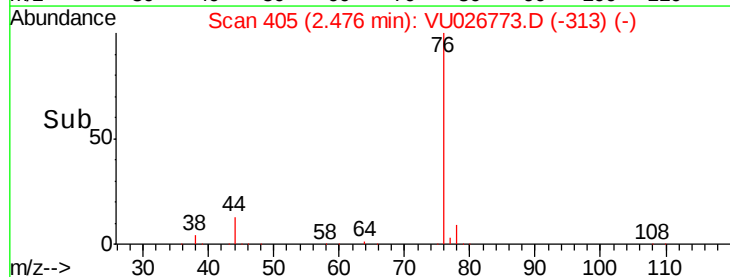
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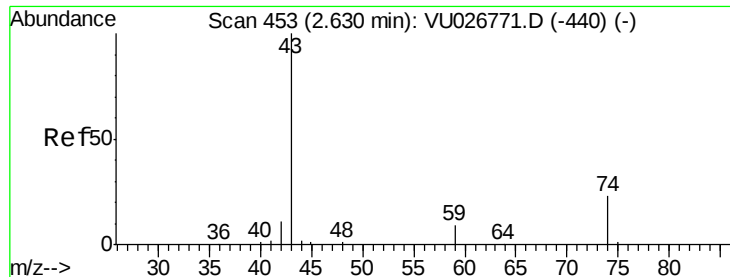
0

2.48

2.40 2.50 2.60

Time-->





#15

Methvl Acetate

Concen: 14.407 ug/L

RT: 2.63 min Scan# 452

Delta R.T. -0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

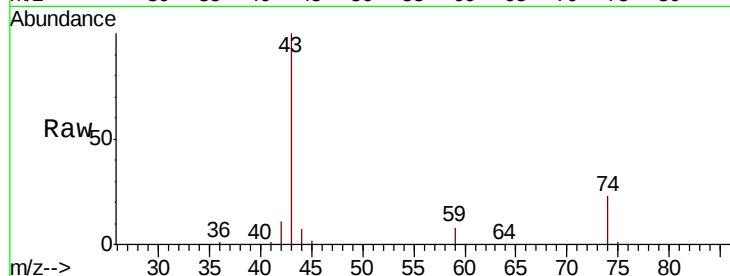
ClientSampled :

Tot Ion: 43 Resp: 97137

Ion Ratio Lower Upper

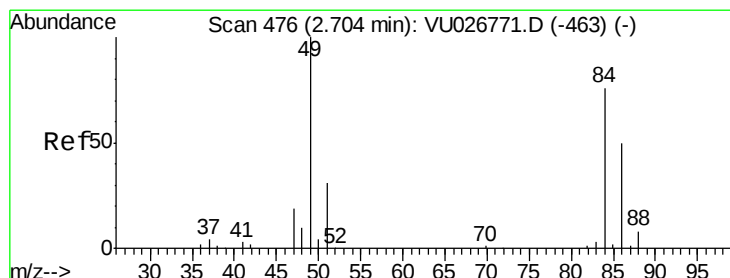
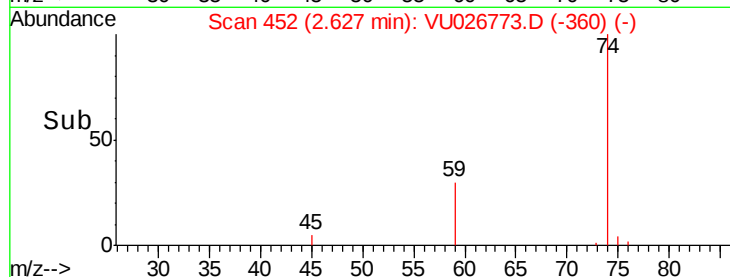
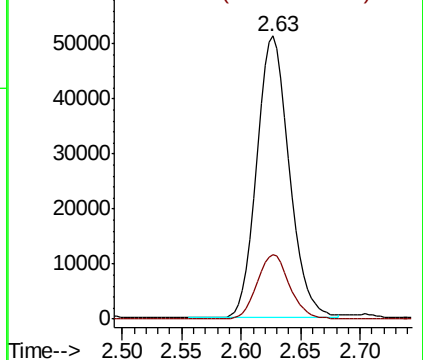
43 100

74 22.9 18.5 27.7



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 15.719 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

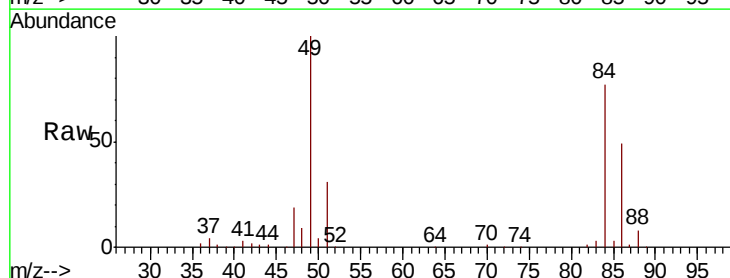
Tgt Ion: 84 Resp: 215823

Ion Ratio Lower Upper

84 100

86 63.4 46.1 85.5

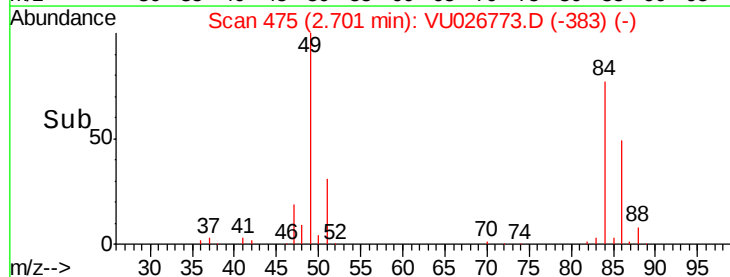
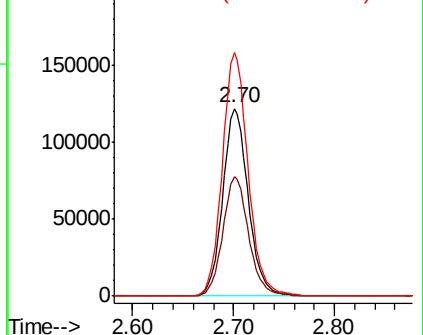
49 129.7 92.1 171.1

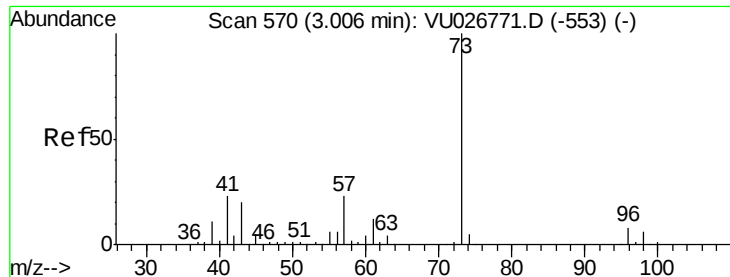


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

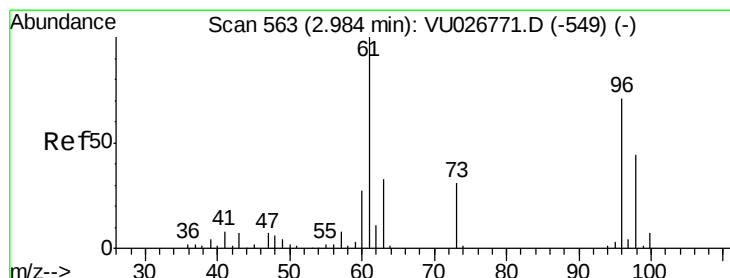
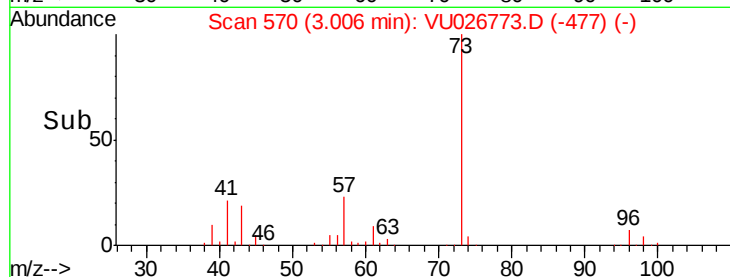
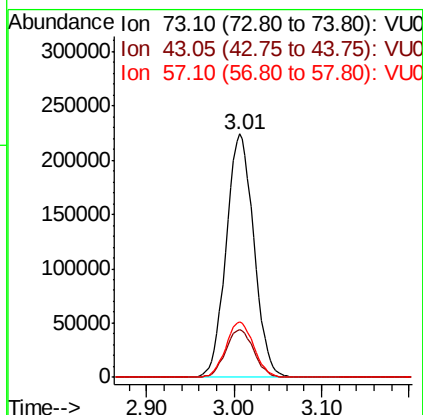
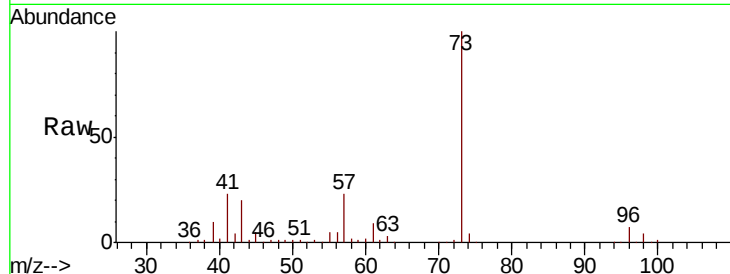




#17
Methvl tert-butvl Ether
Concen: 17.815 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

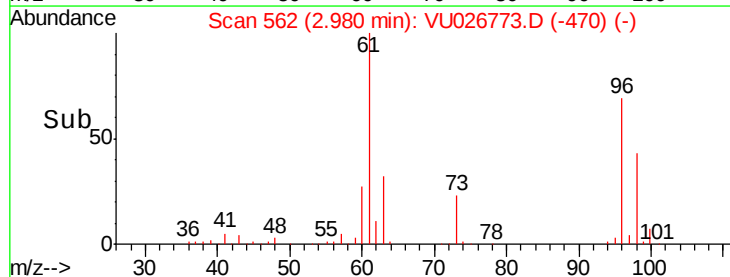
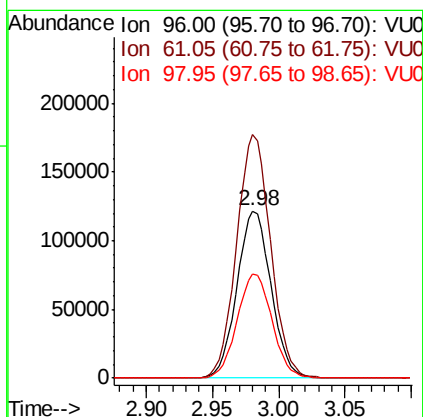
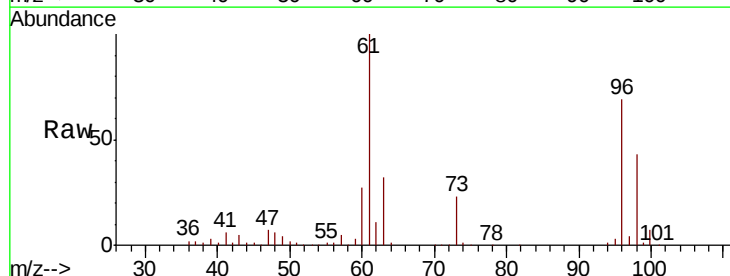
Instrument :
MSVOA_U
ClientSampleId :

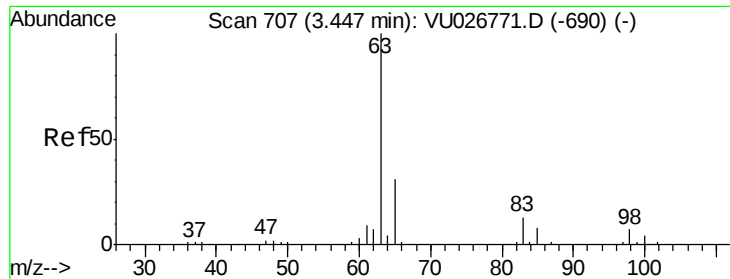
Tot Ion: 73 Resp: 490851
Ion Ratio Lower Upper
73 100
43 19.8 16.0 24.0
57 22.9 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 17.892 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

Tgt Ion: 96 Resp: 217044
Ion Ratio Lower Upper
96 100
61 145.7 99.0 183.8
98 62.5 43.1 80.1

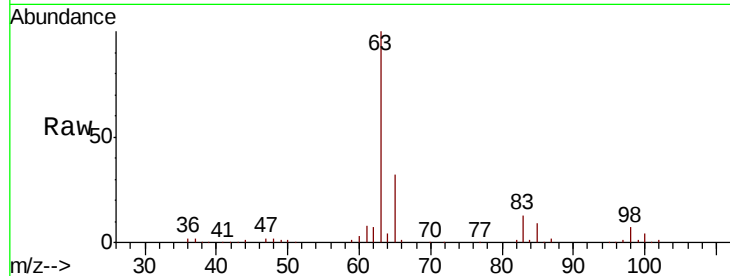




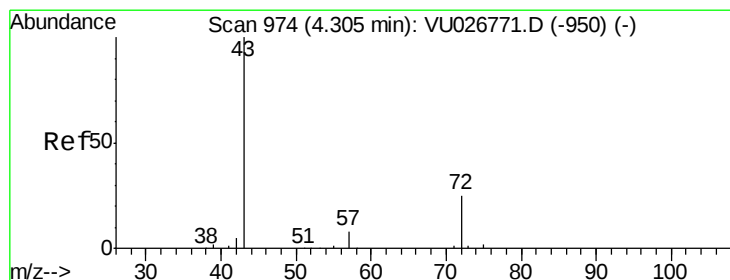
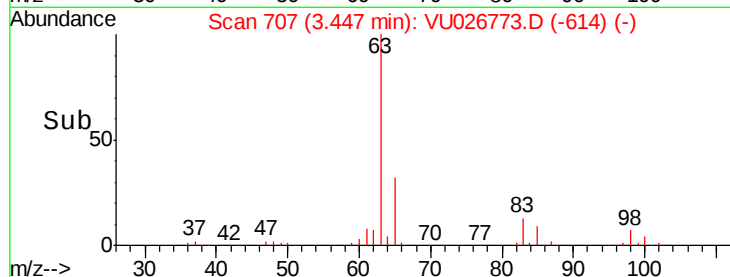
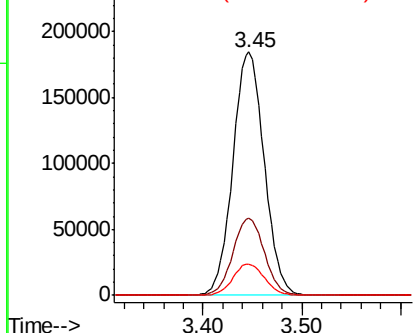
#19
 1,1-Dichloroethane
 Concen: 16.520 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 407193
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.7 40.3
 83 13.0 9.0 16.6

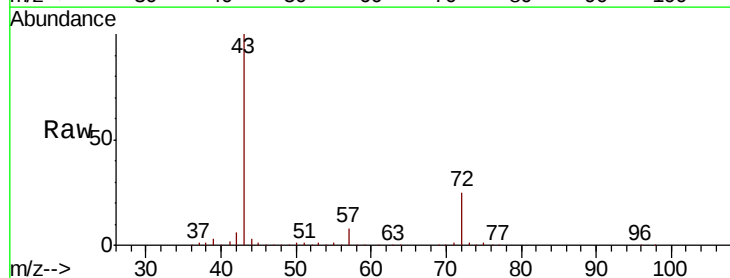


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

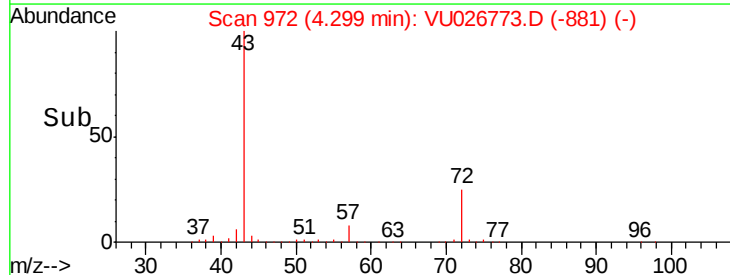
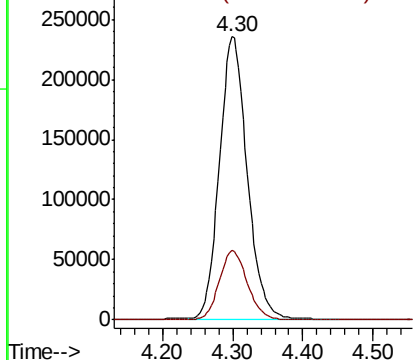


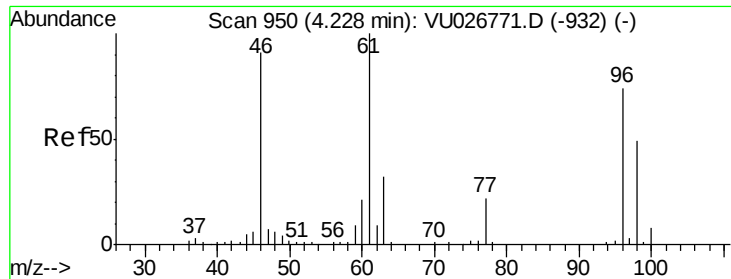
#21
 2-Butanone
 Concen: 198.750 ug/L
 RT: 4.30 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Tgt Ion: 43 Resp: 645676
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.6 37.8



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



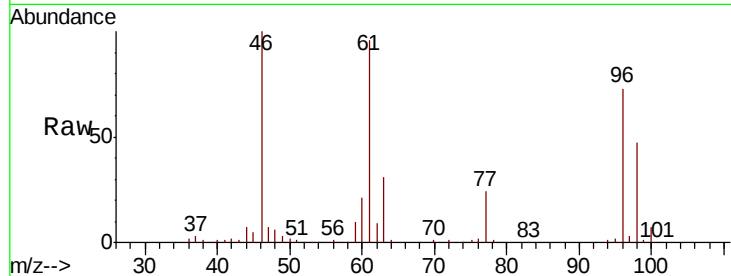


#22

cis-1,2-Dichloroethene
 Concen: 18.913 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	94.4	175.2
68	0.0	0.0	0.0

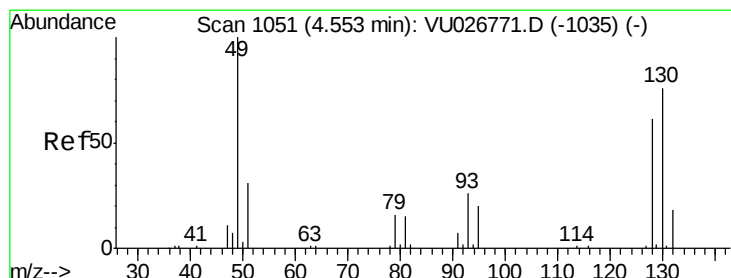
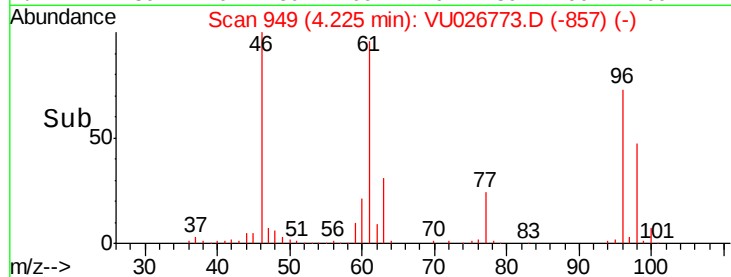
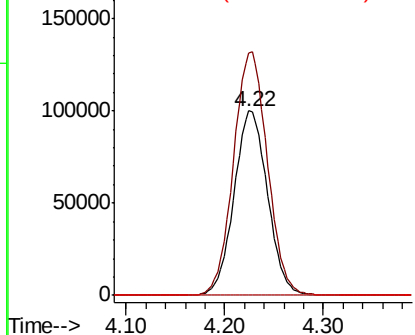


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

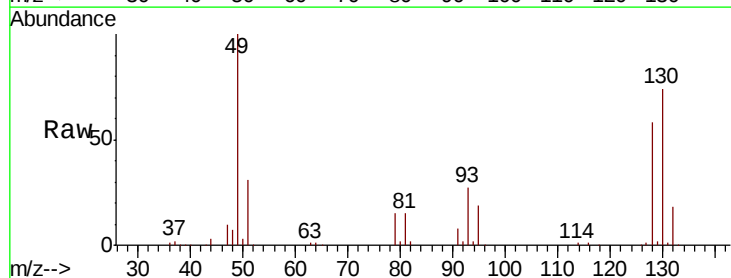
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane
 Concen: 19.501 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
128	100		
49	172.6	115.0	213.6
130	128.0	87.2	161.9
51	53.4	40.6	61.0



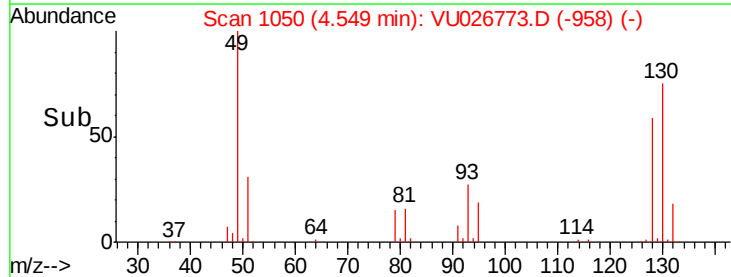
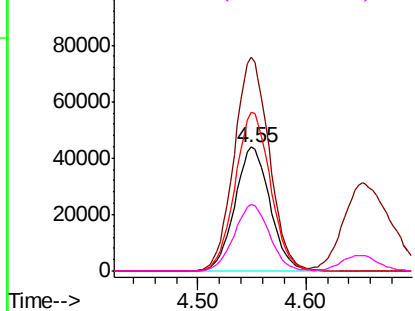
Abundance

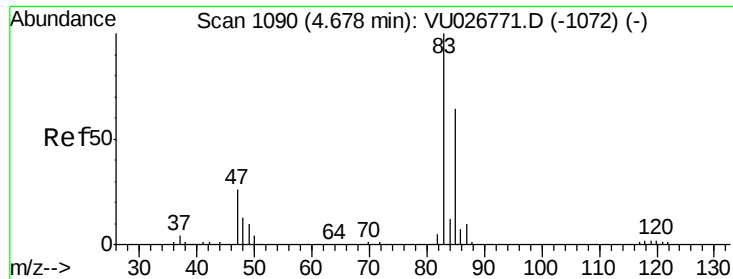
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

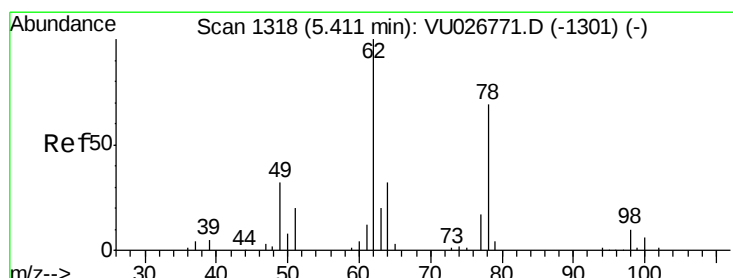
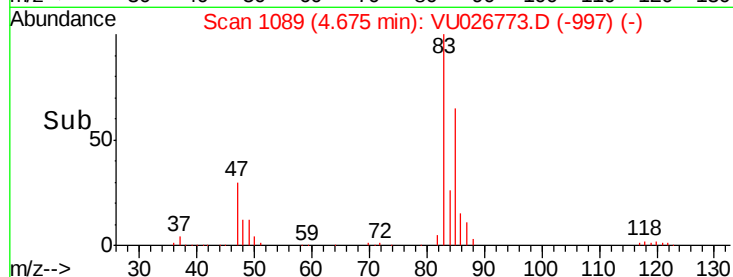
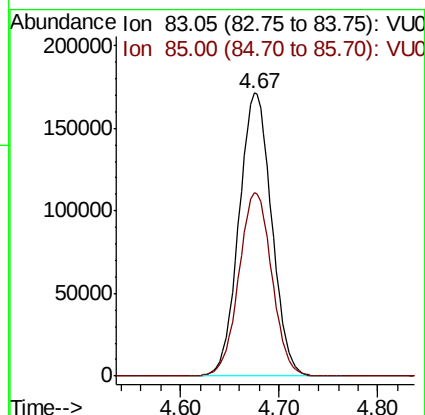
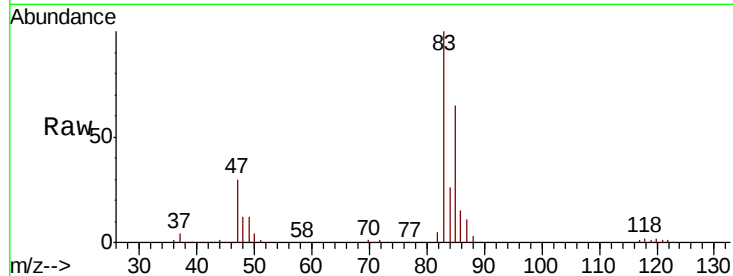




#25
Chloroform
Concen: 16.356 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

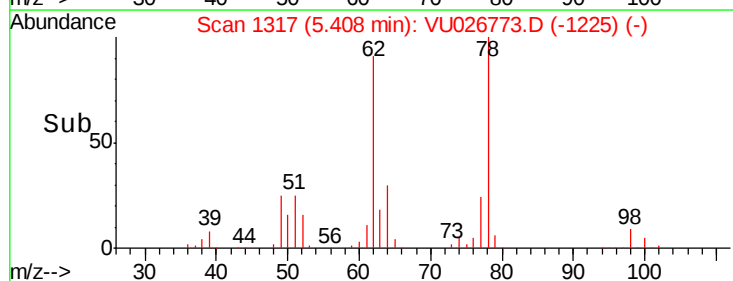
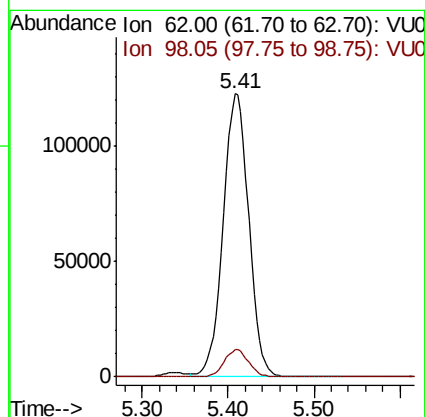
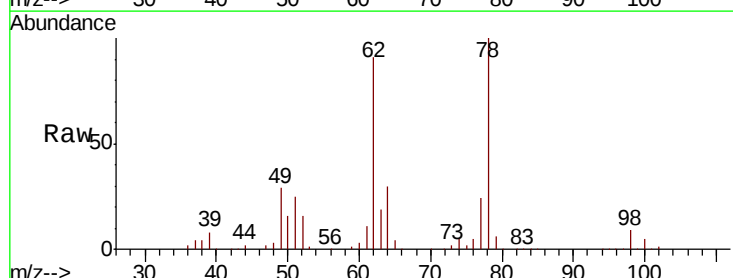
Instrument :
MSVOA_U
ClientSampleId :

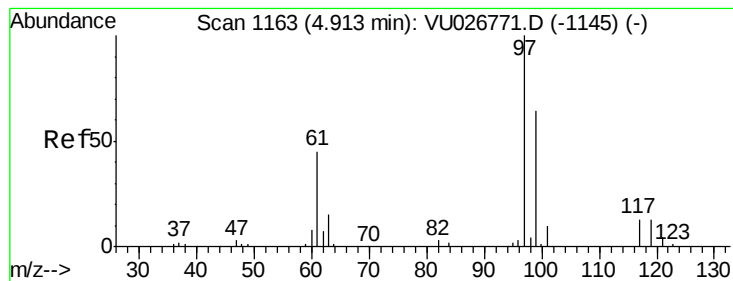
Tot Ion: 83 Resp: 392854
Ion Ratio Lower Upper
83 100
85 64.7 44.8 83.2



#27
1,2-Dichloroethane
Concen: 18.678 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

Tgt Ion: 62 Resp: 253982
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 21.327 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

ClientSampleId :

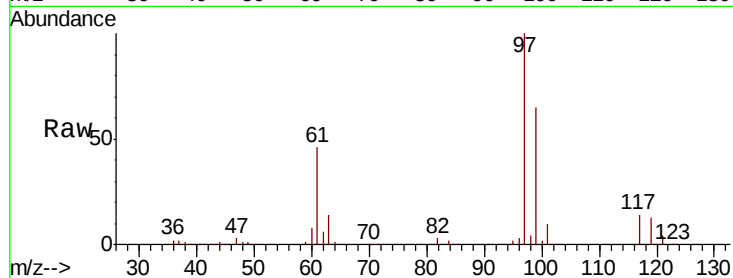
Tot Ion: 97 Resp: 343789

Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 45.5 36.6 54.8

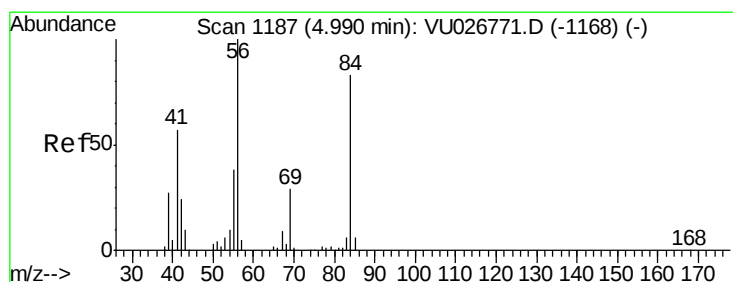
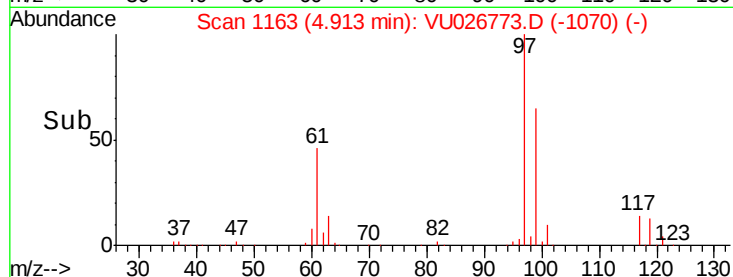
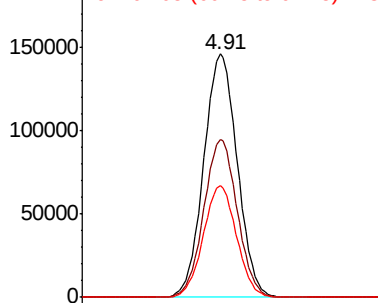


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 23.976 ug/L

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

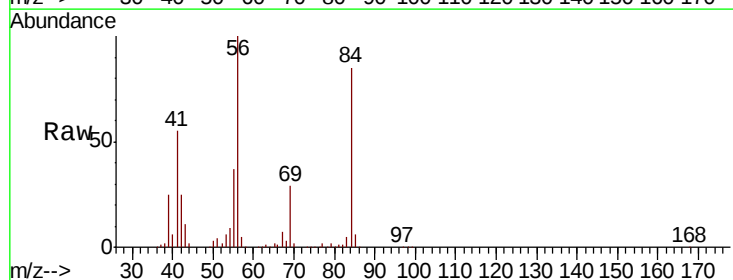
Tgt Ion: 56 Resp: 402322

Ion Ratio Lower Upper

56 100

69 29.4 23.9 35.9

84 83.5 66.6 100.0

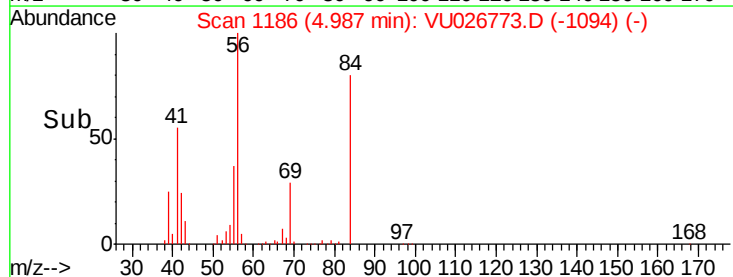
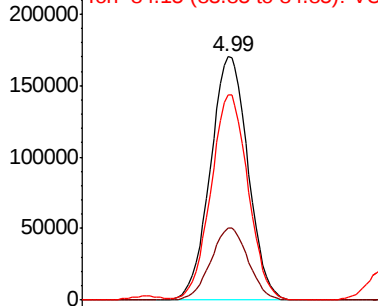


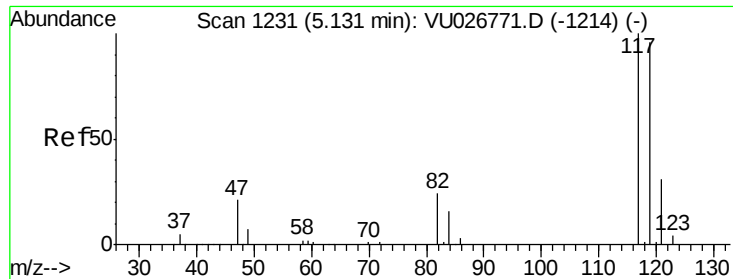
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

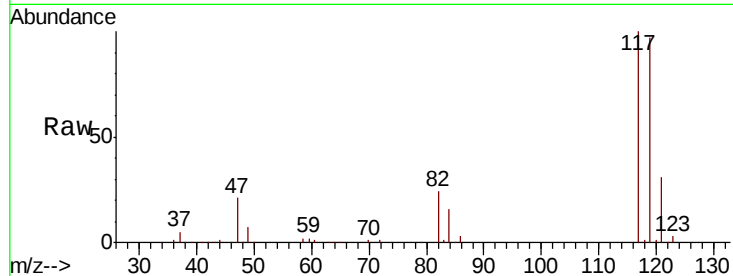




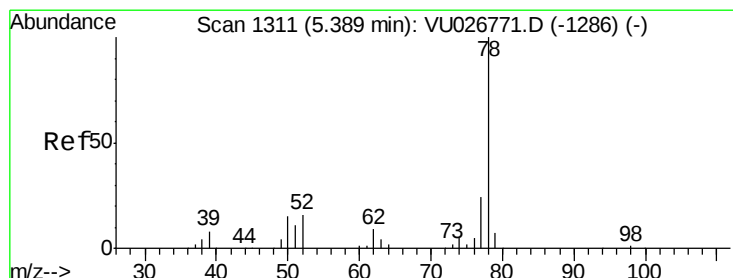
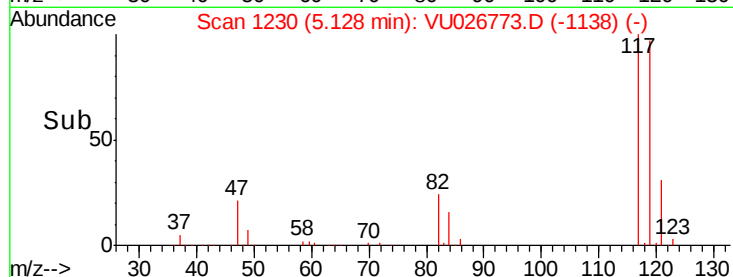
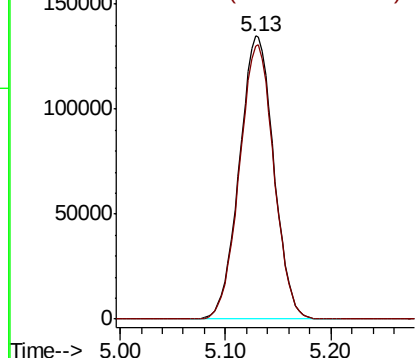
#31
Carbon tetrachloride
Concen: 21.119 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 305708
Ion Ratio Lower Upper
117 100
119 96.8 76.9 115.3

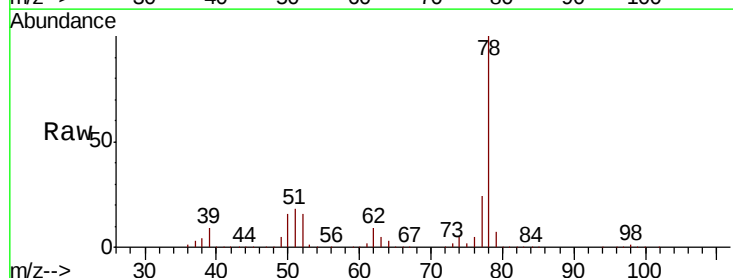


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

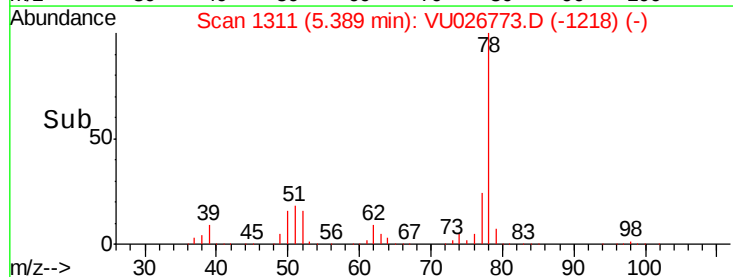
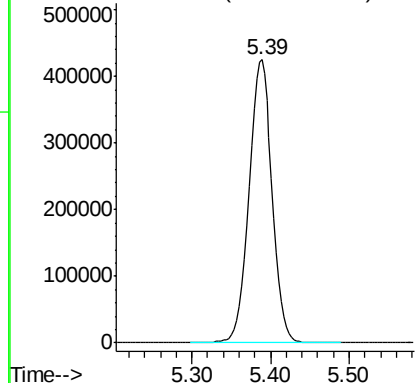


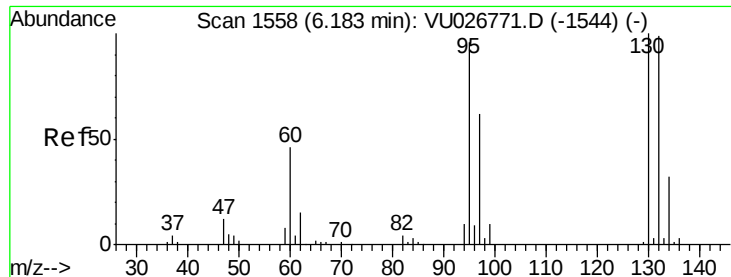
#33
Benzene
Concen: 20.787 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

Tgt Ion: 78 Resp: 879493



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 20.191 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 230928

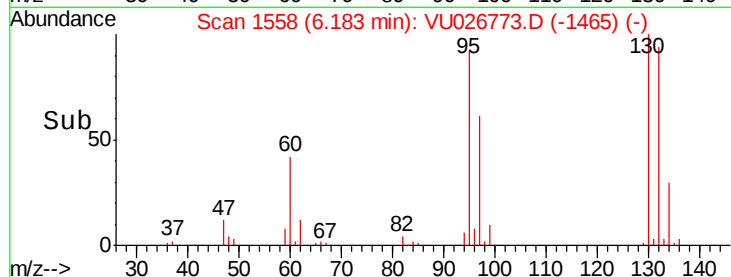
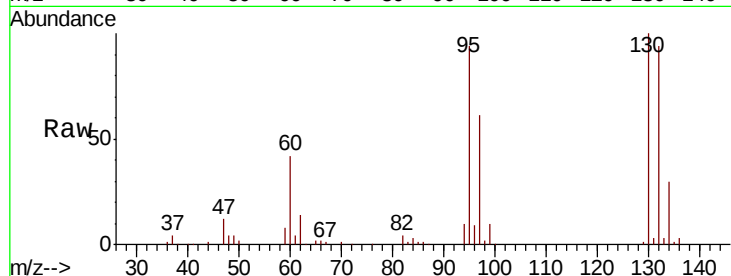
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.9

132 100.0 72.0 133.8

130 106.4 73.1 135.7

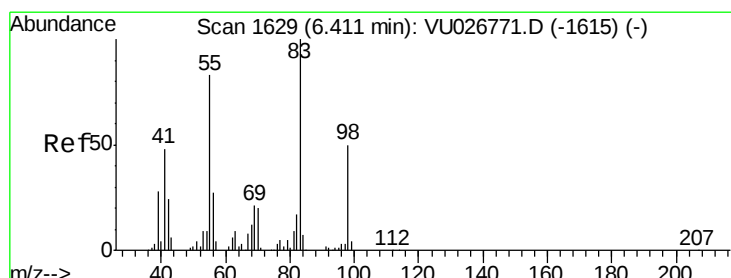
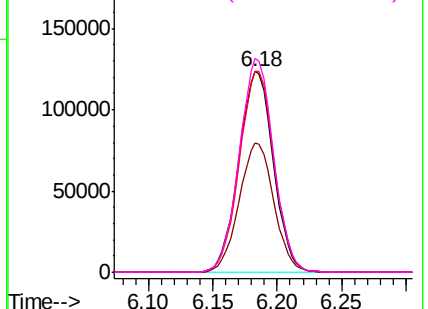


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 24.431 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

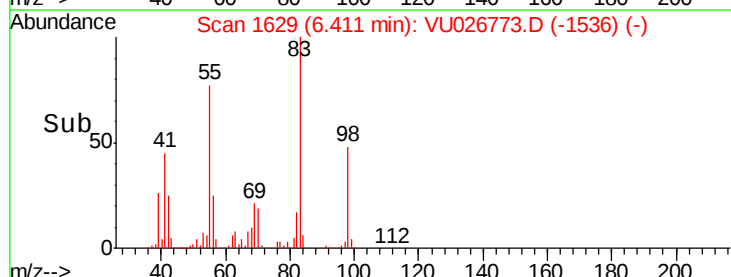
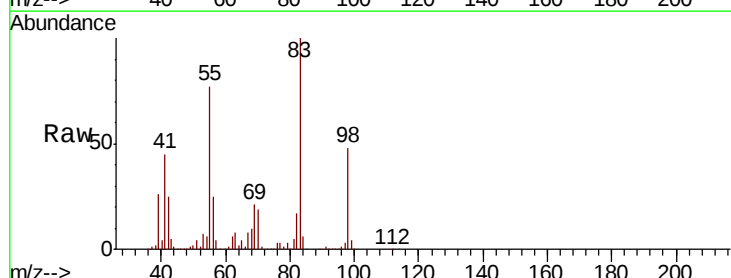
Tgt Ion: 83 Resp: 403370

Ion Ratio Lower Upper

83 100

55 78.1 64.9 97.3

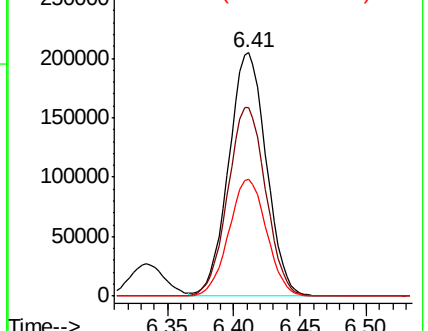
98 48.2 39.3 58.9

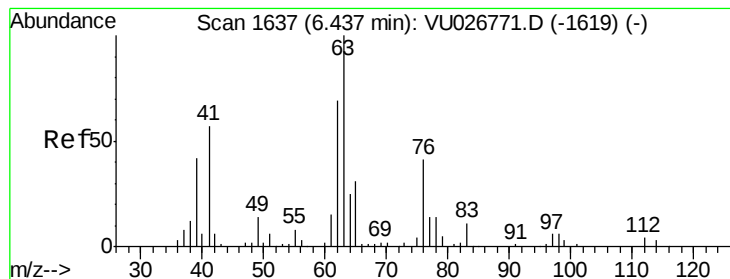


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 20.610 ug/L

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

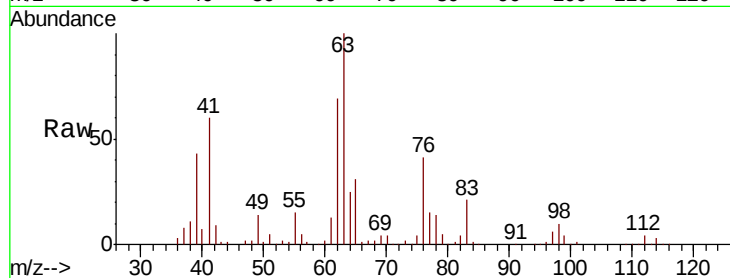
ClientSampled :

Tot Ion: 63 Resp: 239825

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

150000

100000

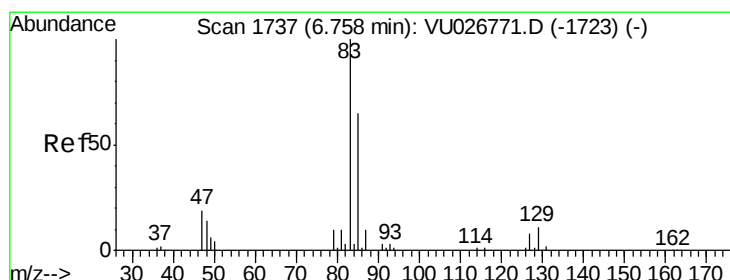
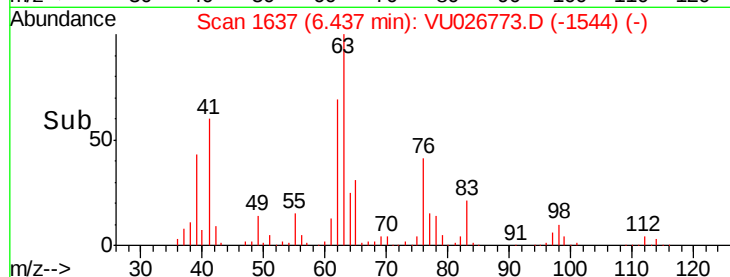
50000

0

6.44

6.40 6.50

Time-->



#38

Bromodichloromethane

Concen: 21.100 ug/L

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

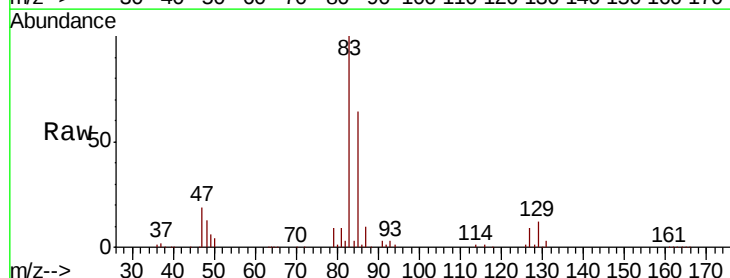
Tgt Ion: 83 Resp: 289950

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.0

127 8.5 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

200000

150000

100000

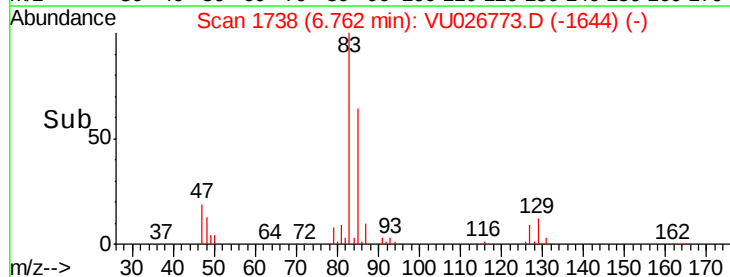
50000

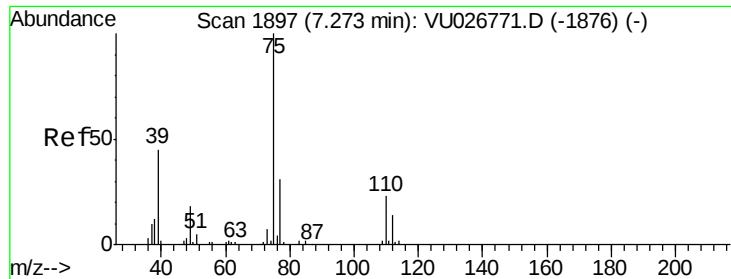
0

6.76

6.65 6.70 6.75 6.80 6.85

Time-->



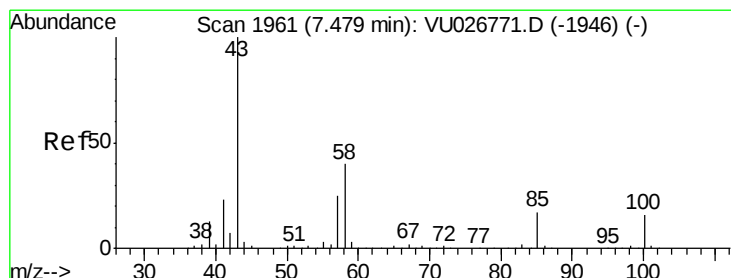
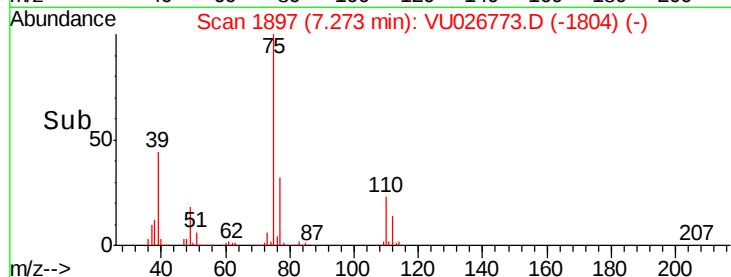
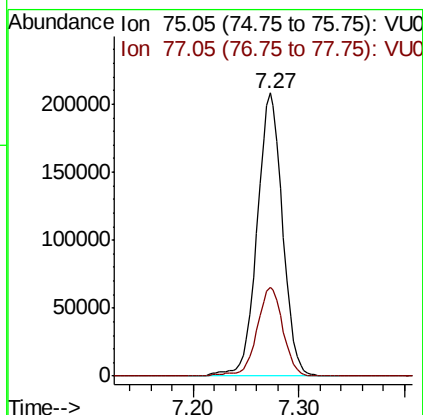
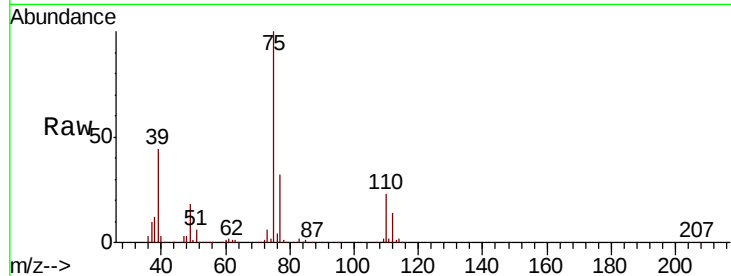


#39

cis-1,3-Dichloropropene
 Concen: 23.442 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Instrument :
 MSVOA_U
 ClientSampleId :

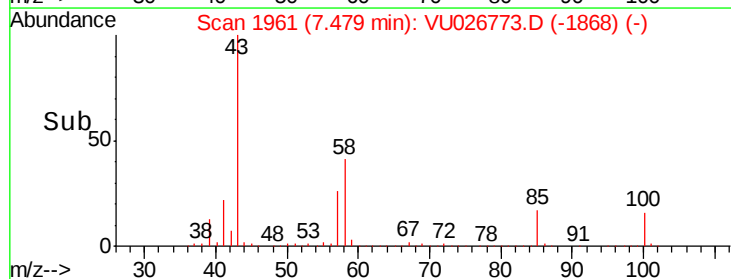
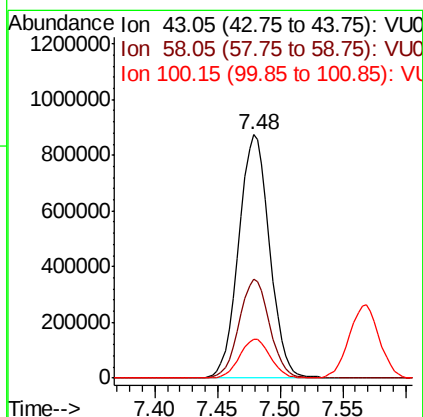
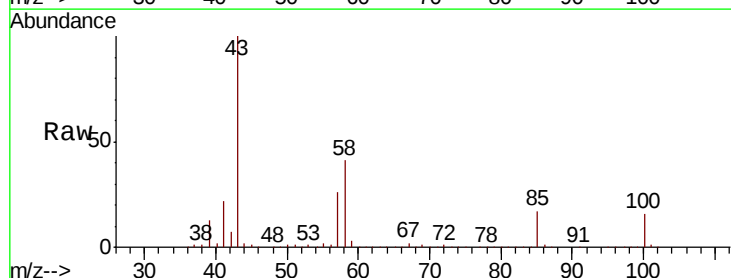
Tot Ion: 75 Resp: 349903
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3

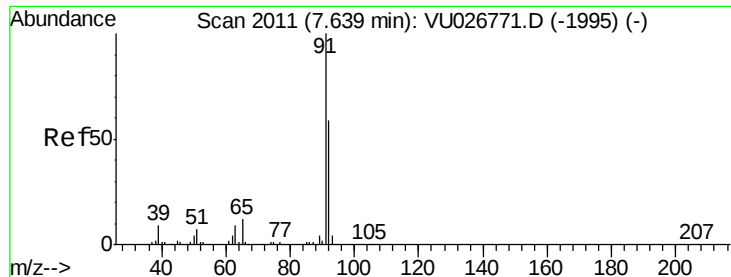


#40

4-Methyl-2-pentanone
 Concen: 226.259 ug/L
 RT: 7.48 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Tgt Ion: 43 Resp: 1498219
 Ion Ratio Lower Upper
 43 100
 58 40.1 30.9 46.3
 100 15.9 12.3 18.5





#42

Toluene

Concen: 22.659 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

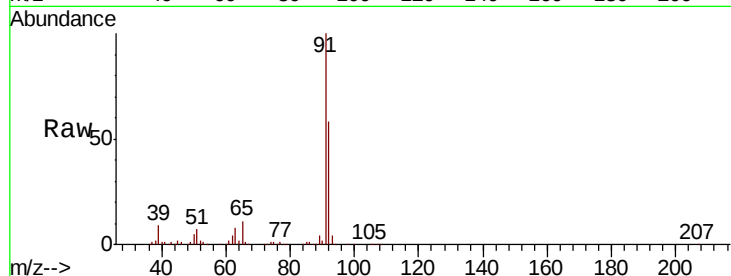
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 973115

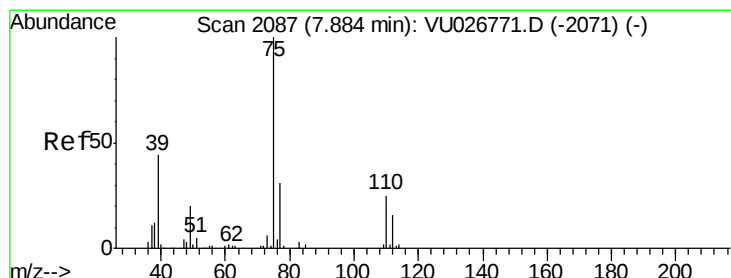
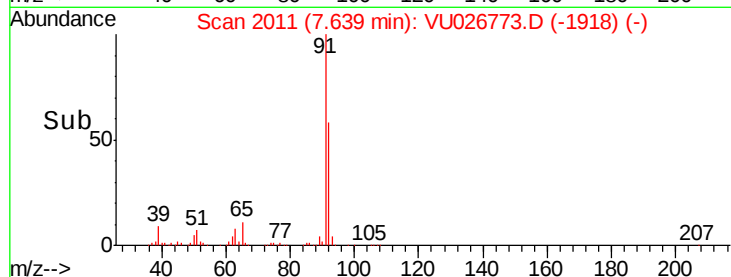
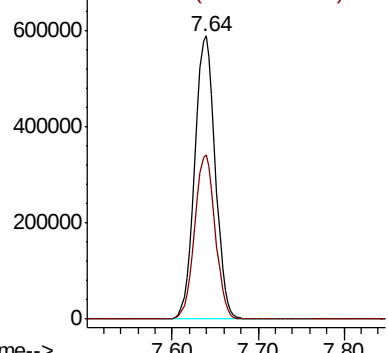
Ion Ratio Lower Upper

91 100

92 58.0 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 23.331 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026773.D

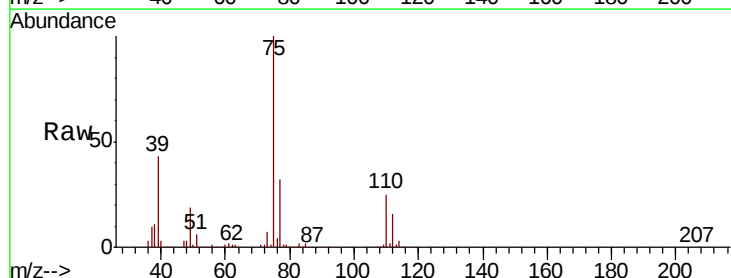
Acq: 15 Sep 2018 12:46

Tgt Ion: 75 Resp: 284754

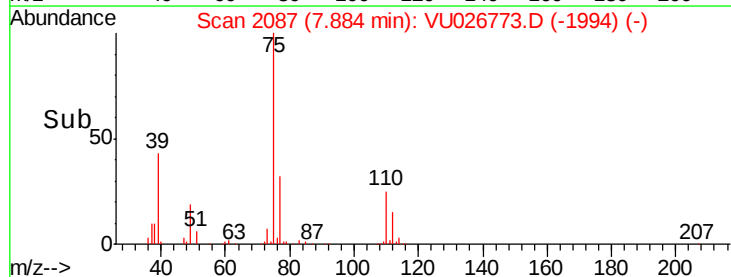
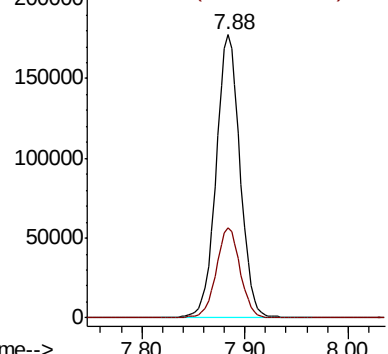
Ion Ratio Lower Upper

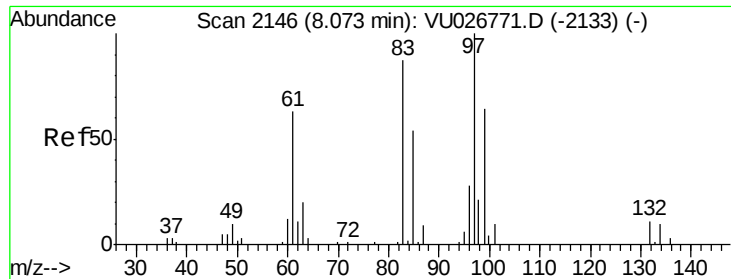
75 100

77 31.7 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0

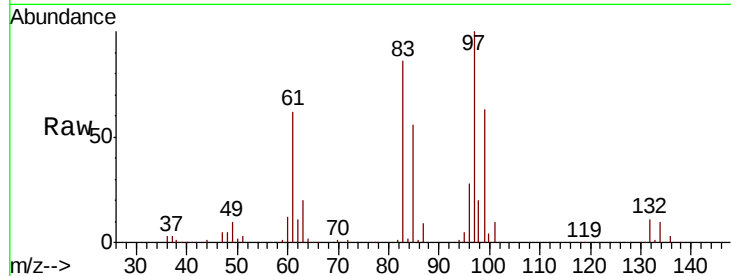




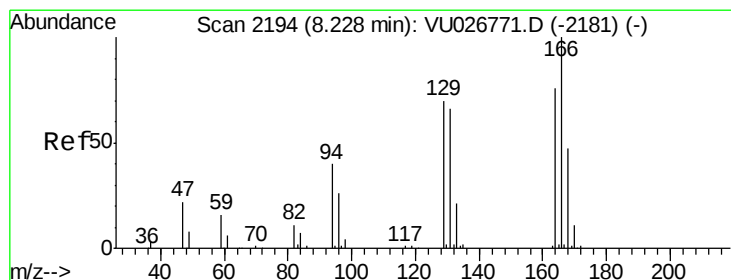
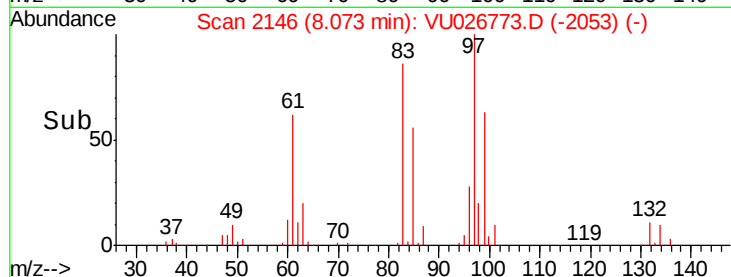
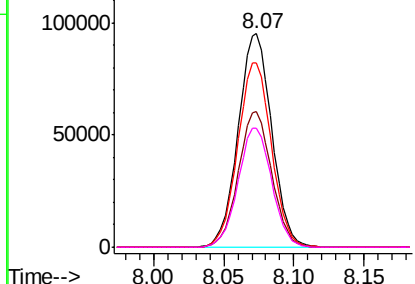
#45
1,1,2-Trichloroethane
Concen: 21.481 ug/L
RT: 8.07 min Scan# 2146
Delta R.T. 0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	158847
Ion	Ratio	Lower	Upper
97	100		
99	63.4	45.0	83.6
83	86.4	60.8	112.8
85	55.7	38.1	70.9

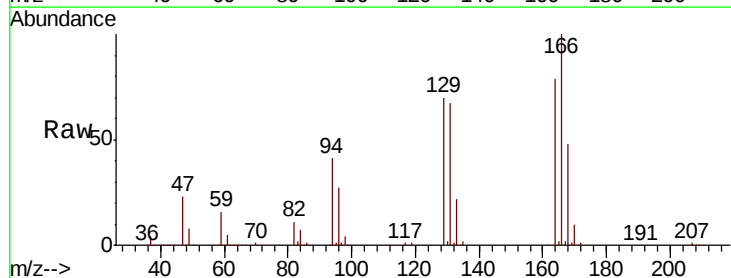


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

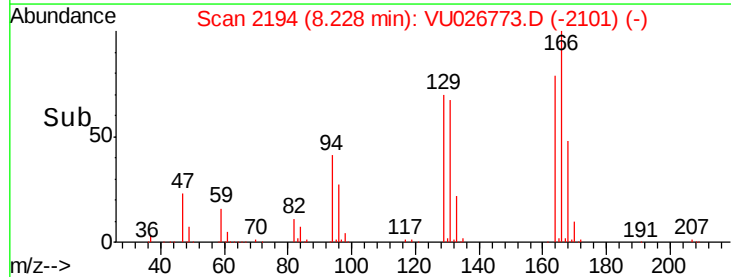
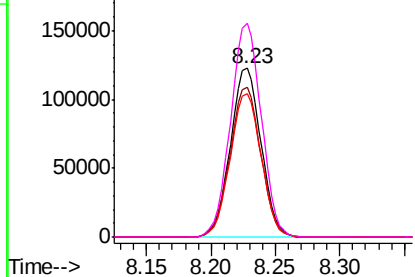


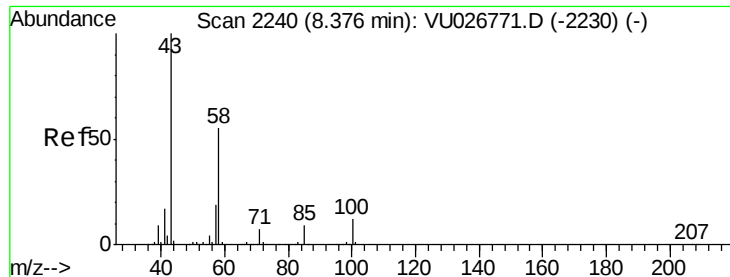
#47
Tetrachloroethene
Concen: 23.071 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

Tgt Ion:	164	Resp:	201937
Ion	Ratio	Lower	Upper
164	100		
129	88.4	64.8	120.3
131	84.6	61.4	114.0
166	126.5	92.6	172.0



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

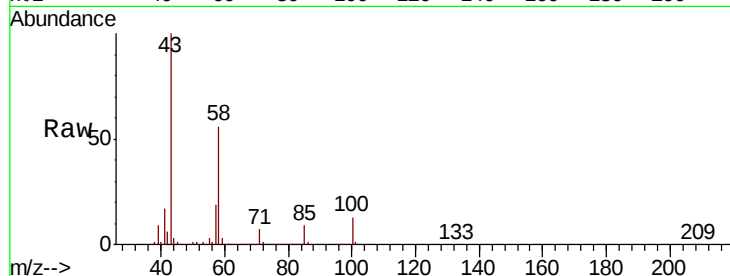




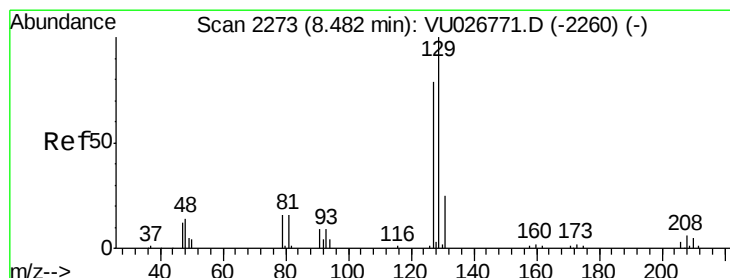
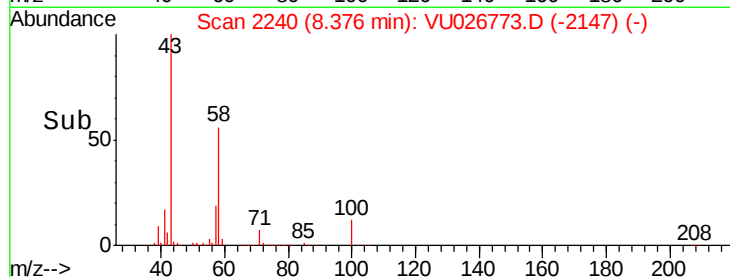
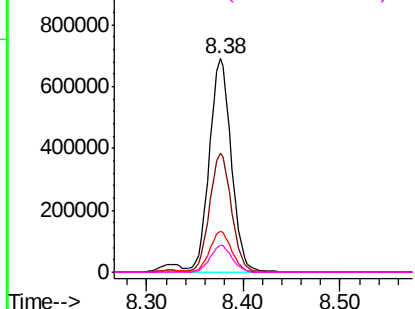
#48
2-Hexanone
Concen: 222.258 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1081453
Ion Ratio Lower Upper
43 100
58 55.6 43.7 65.5
57 19.2 15.2 22.8
100 12.5 10.1 15.1

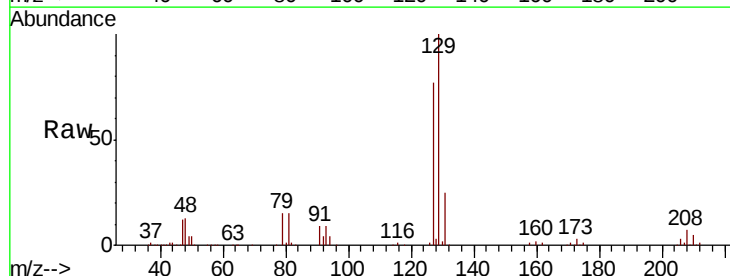


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

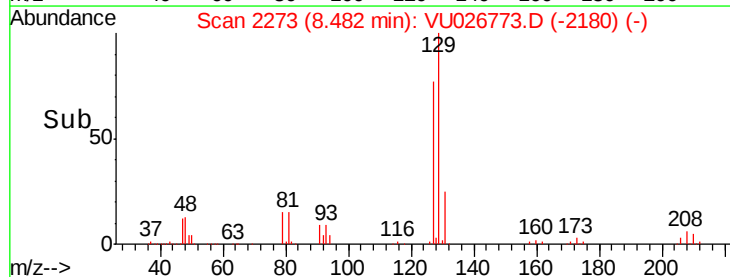
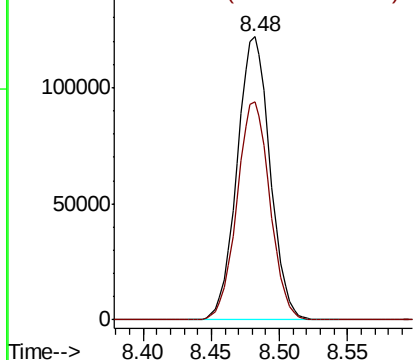


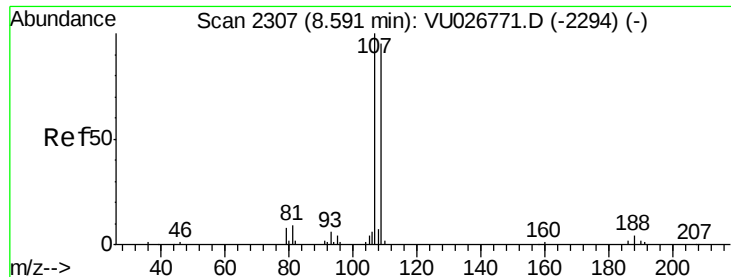
#49
Dibromochloromethane
Concen: 22.545 ug/L
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU026773.D
Acq: 15 Sep 2018 12:46

Tgt Ion: 129 Resp: 204662
Ion Ratio Lower Upper
129 100
127 77.3 55.4 103.0



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





#50

1,2-Dibromoethane

Concen: 21.738 ug/L

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

ClientSampleId :

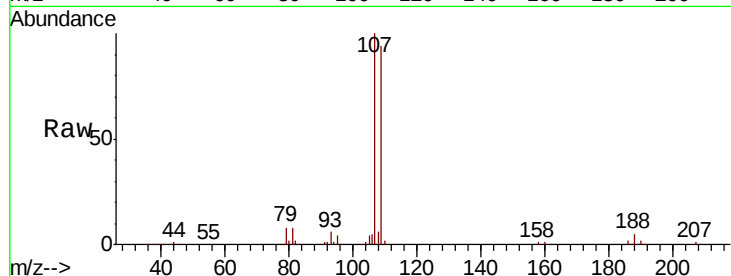
Tot Ion:107 Resp: 151727

Ion Ratio Lower Upper

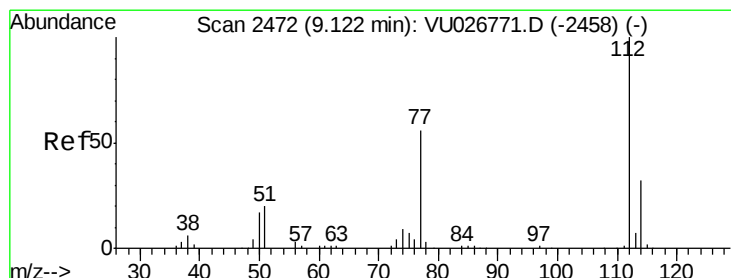
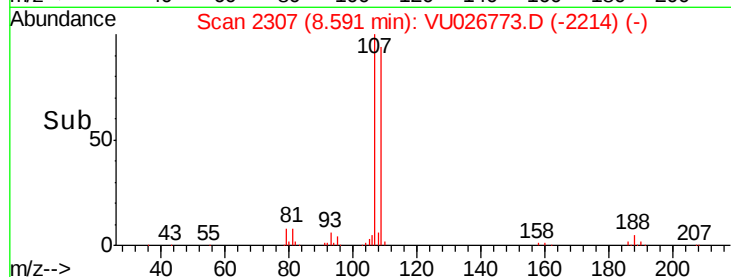
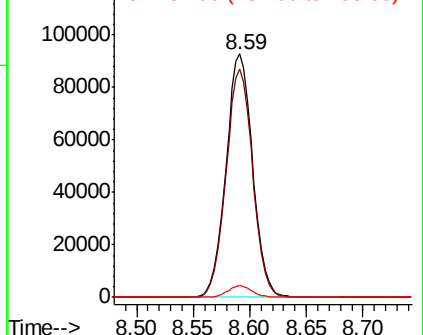
107 100

109 93.5 66.4 123.2

188 4.7 3.1 4.7



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



#51

Chlorobenzene

Concen: 22.104 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

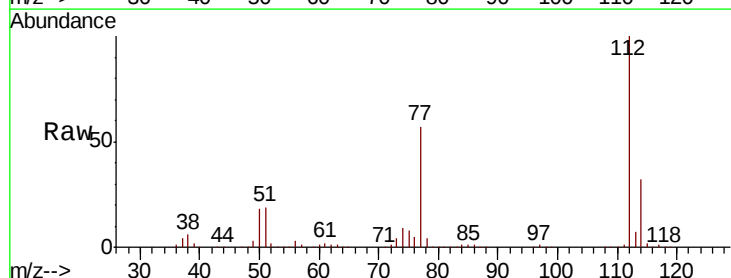
Tgt Ion:112 Resp: 621305

Ion Ratio Lower Upper

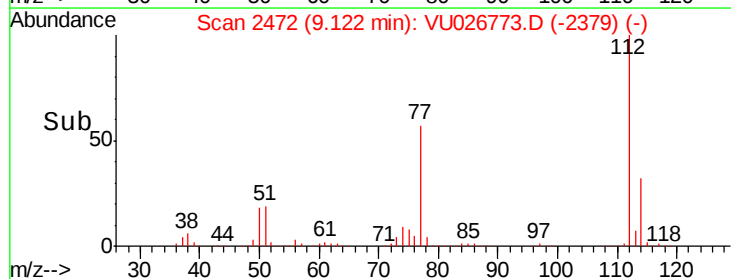
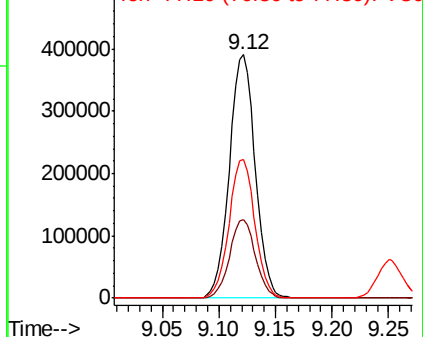
112 100

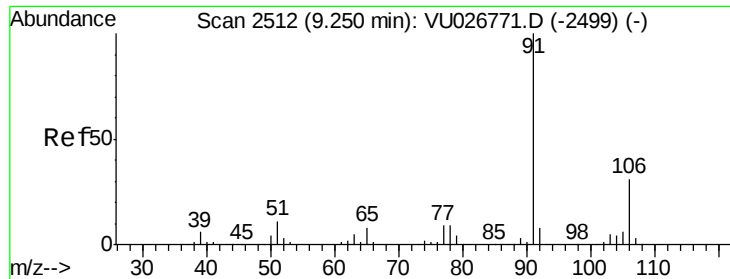
114 32.4 22.6 42.0

77 57.1 45.1 67.7



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





#52

Ethylbenzene

Concen: 23.860 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

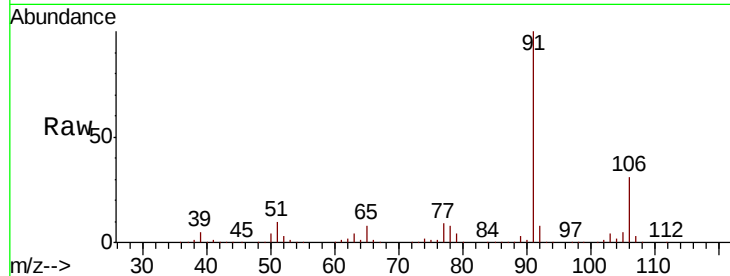
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 1078258

Ion Ratio Lower Upper

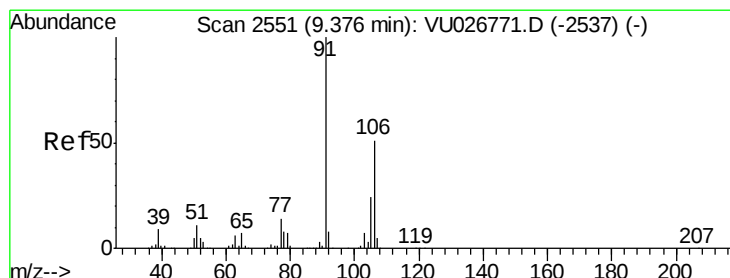
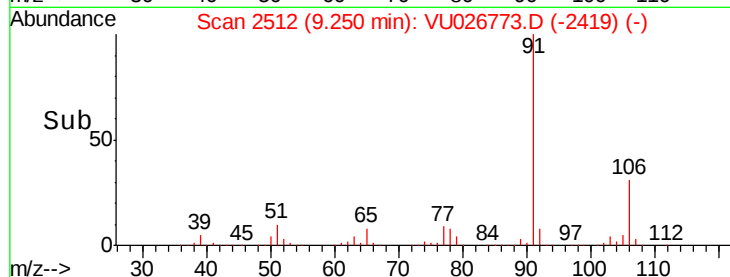
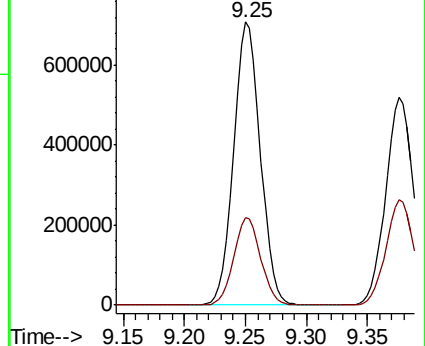
91 100

106 30.9 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VU026773.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU026773.D (-2499) (-)



#53

m,p-xylene

Concen: 24.820 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026773.D

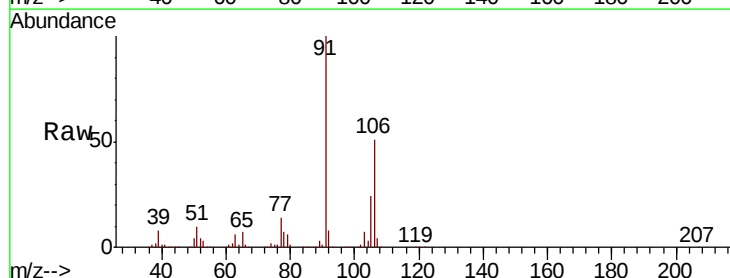
Acq: 15 Sep 2018 12:46

Tgt Ion: 106 Resp: 418432

Ion Ratio Lower Upper

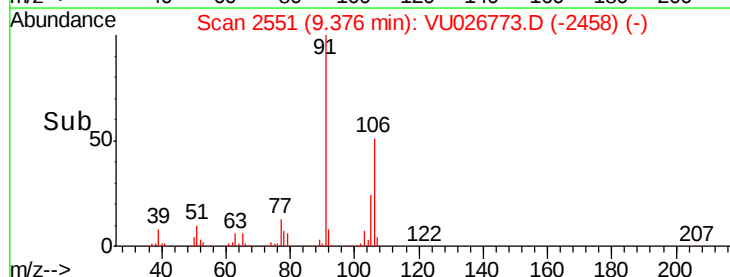
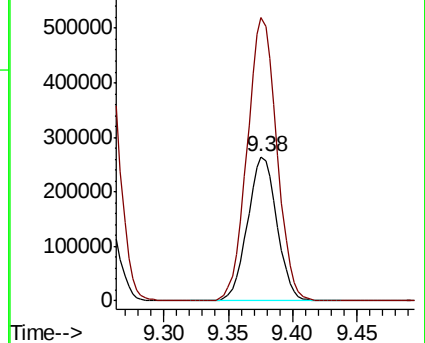
106 100

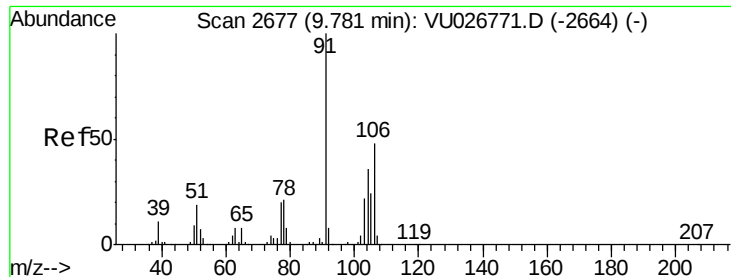
91 196.6 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026773.D (-2537) (-)

Ion 91.15 (90.85 to 91.85): VU026773.D (-2537) (-)





#54

o-xylene

Concen: 25.443 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

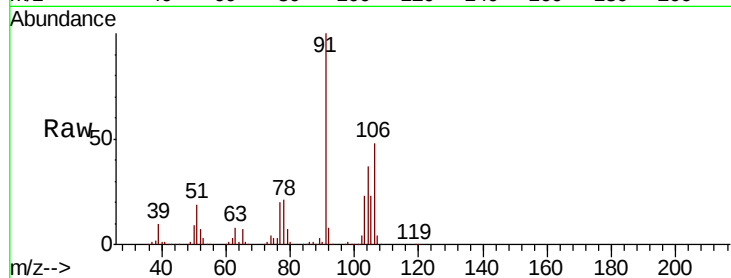
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 405661

Ion Ratio Lower Upper

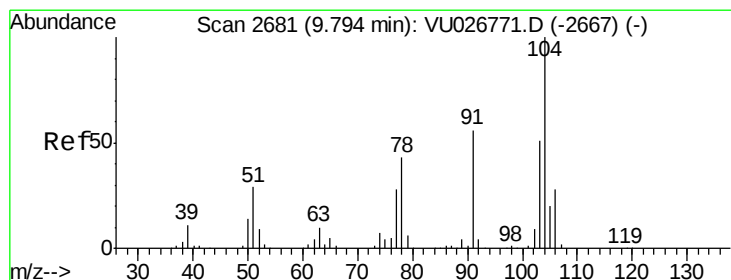
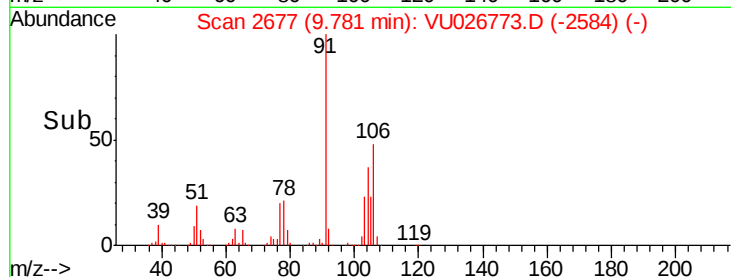
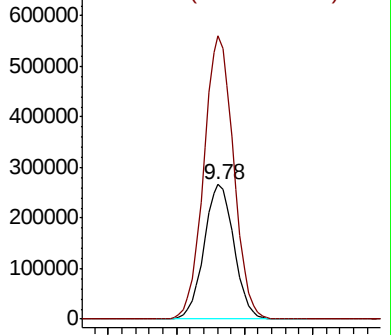
106 100

91 209.9 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 25.487 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026773.D

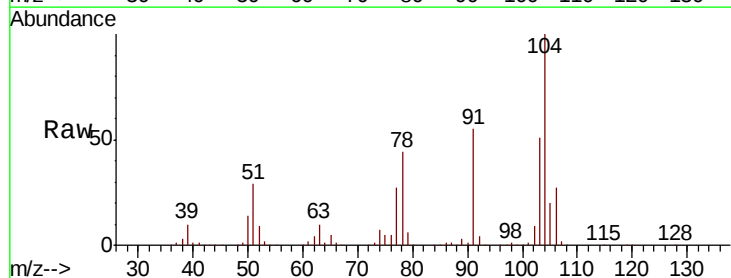
Acq: 15 Sep 2018 12:46

Tgt Ion:104 Resp: 716363

Ion Ratio Lower Upper

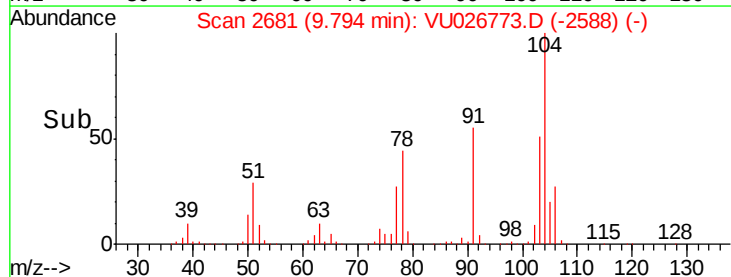
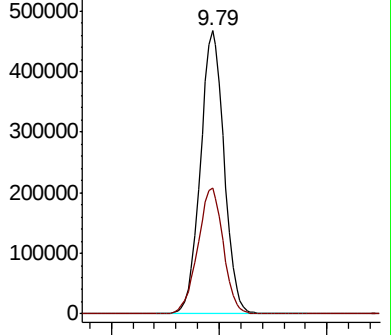
104 100

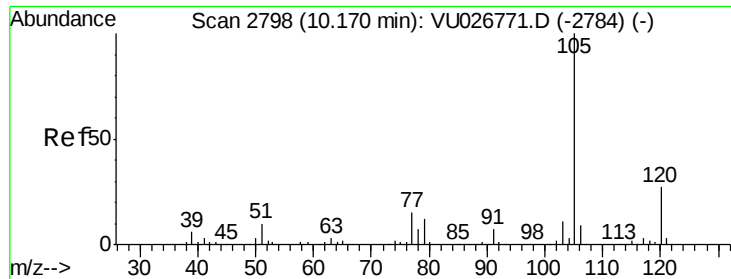
78 44.3 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 25.552 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

ClientSampleId :

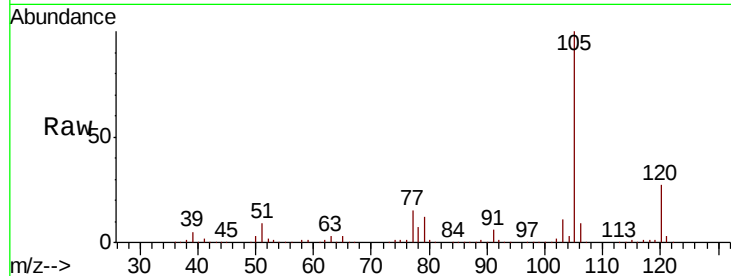
Tot Ion:105 Resp: 1077492

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

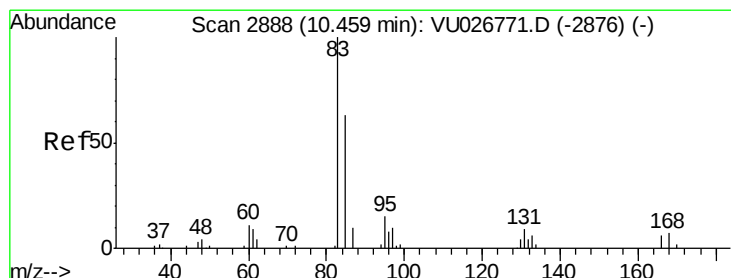
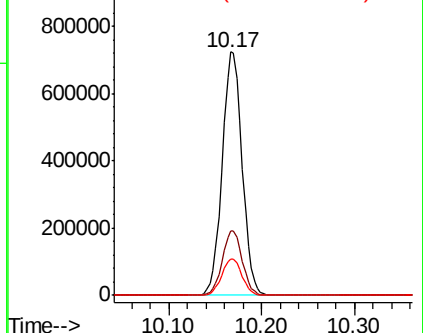
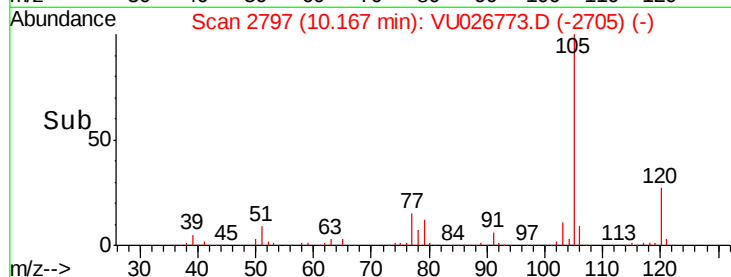
77 15.3 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 20.973 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

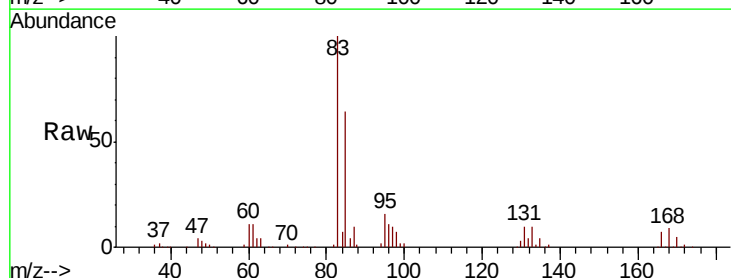
Tgt Ion: 83 Resp: 202664

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.5

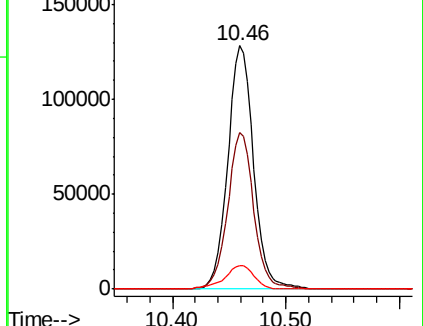
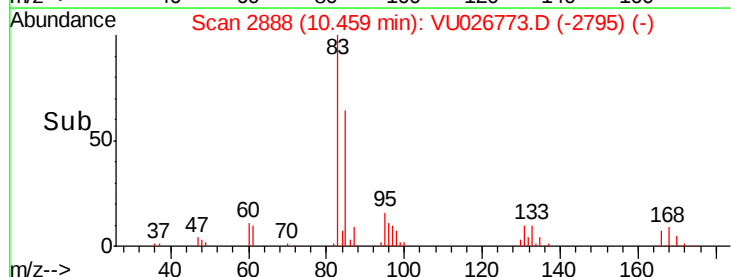
131 9.8 7.2 10.8

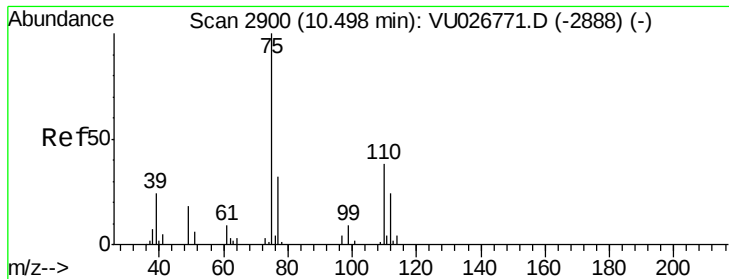


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.329 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

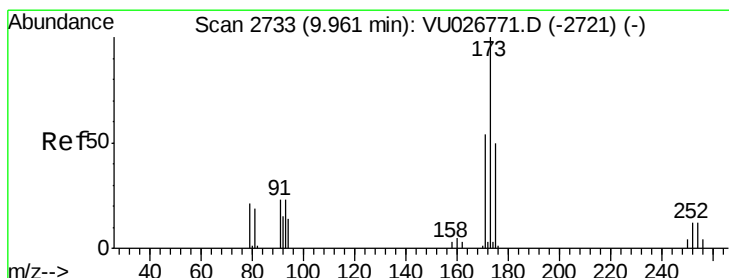
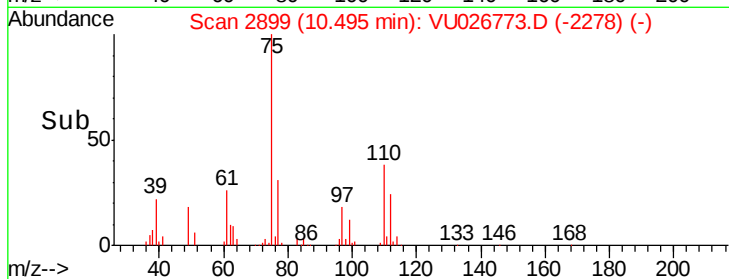
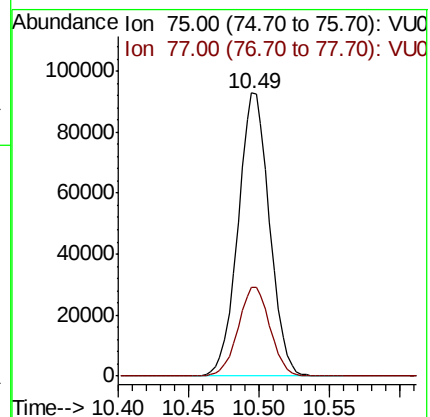
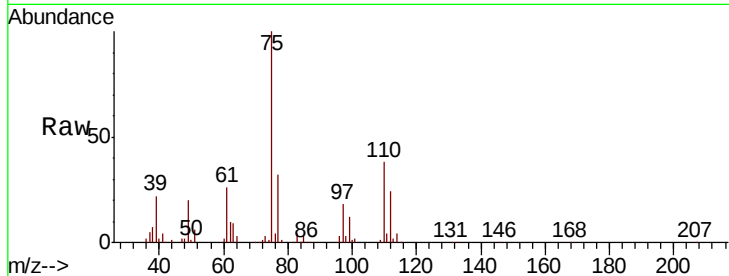
ClientSampleId :

Tot Ion: 75 Resp: 144824

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#61

Bromoform

Concen: 20.730 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

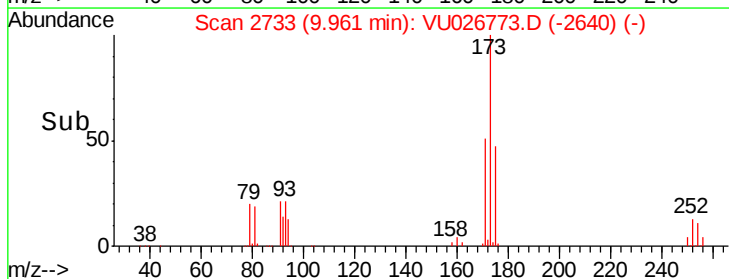
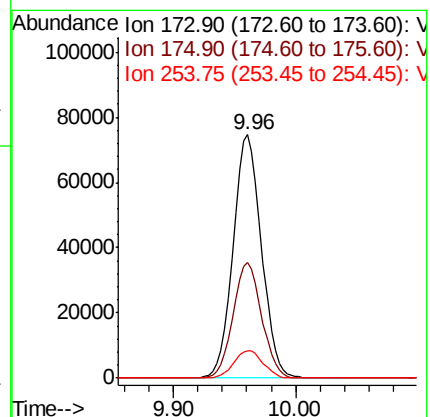
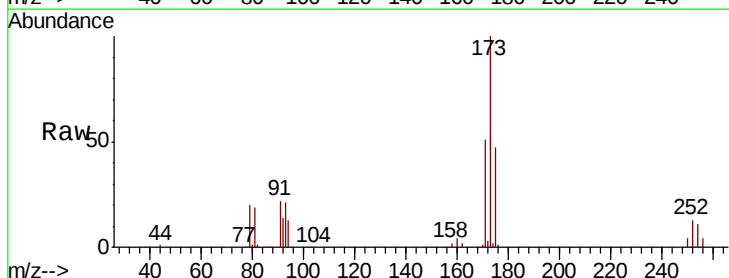
Tgt Ion: 173 Resp: 120485

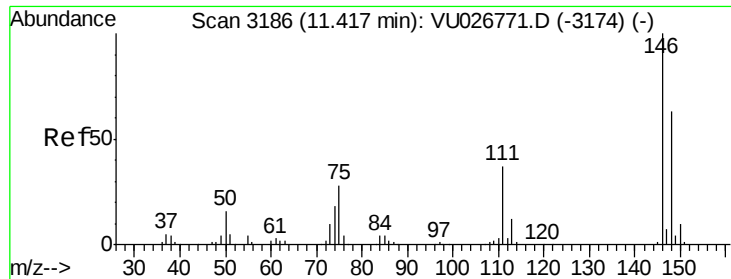
Ion Ratio Lower Upper

173 100

175 48.0 38.8 58.2

254 11.8 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 21.458 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

ClientSampled :

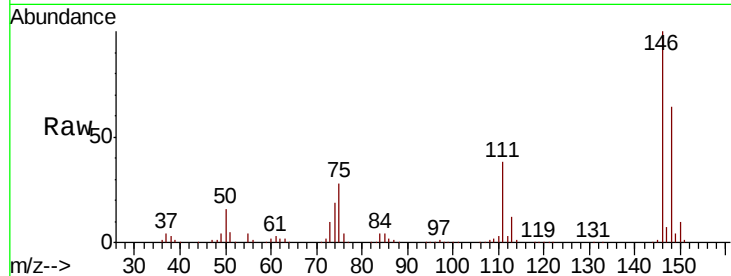
Tot Ion:146 Resp: 499639

Ion Ratio Lower Upper

146 100

111 38.3 26.2 48.6

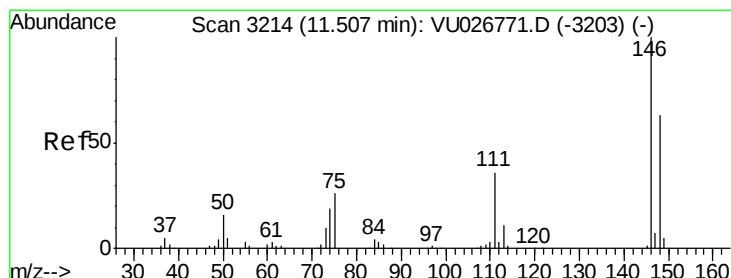
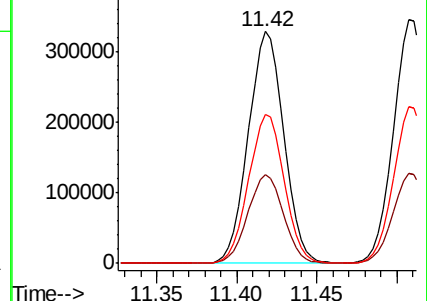
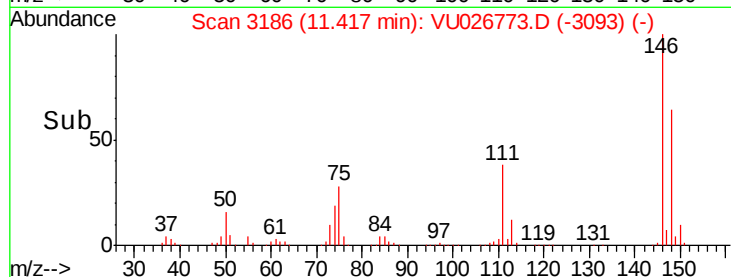
148 64.3 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 21.202 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

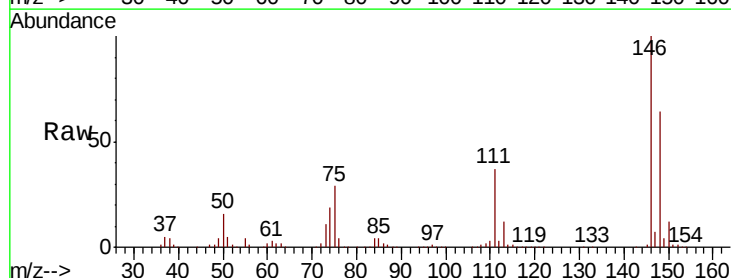
Tgt Ion:146 Resp: 525699

Ion Ratio Lower Upper

146 100

111 37.0 25.3 46.9

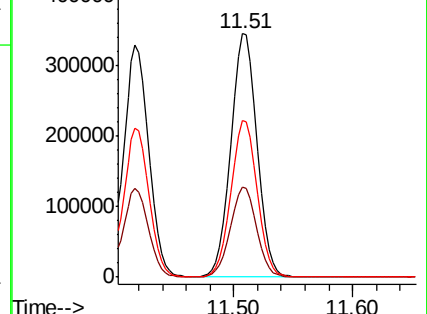
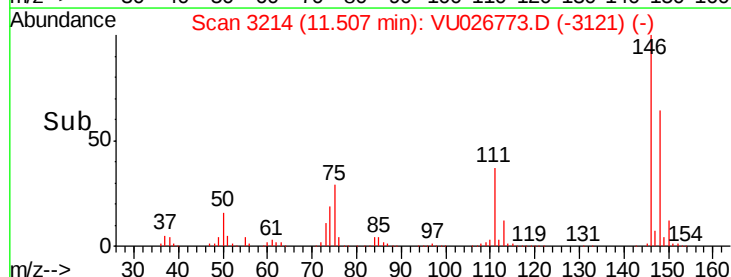
148 64.1 44.5 82.7

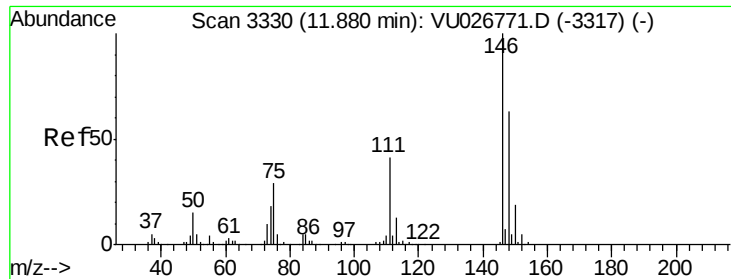


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

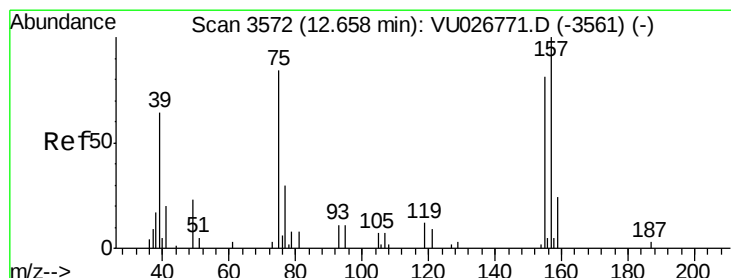
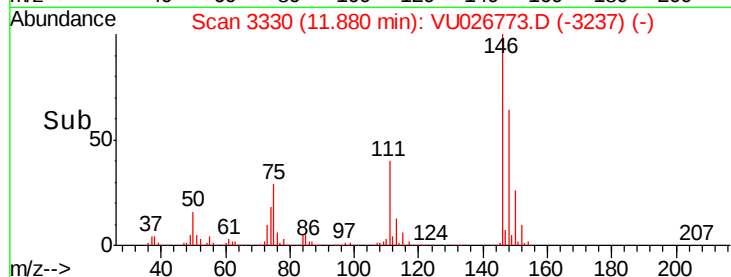
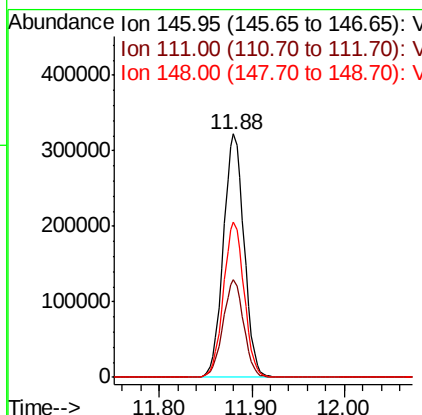
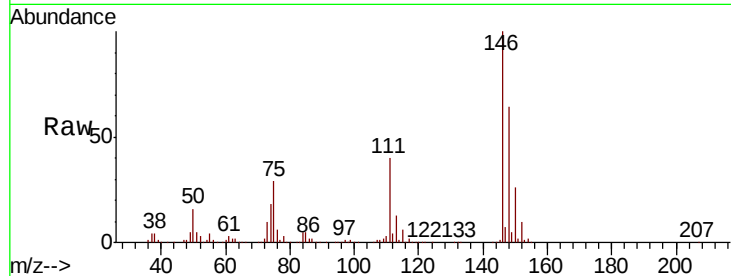




#65
 1,2-Dichlorobenzene
 Concen: 21.469 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

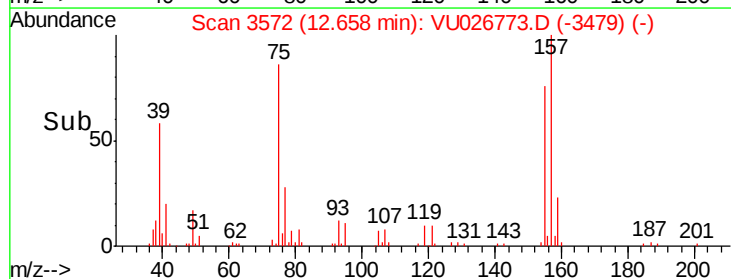
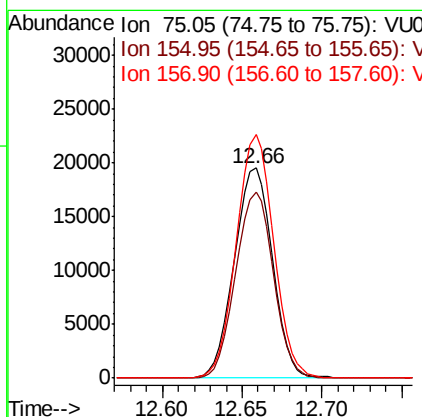
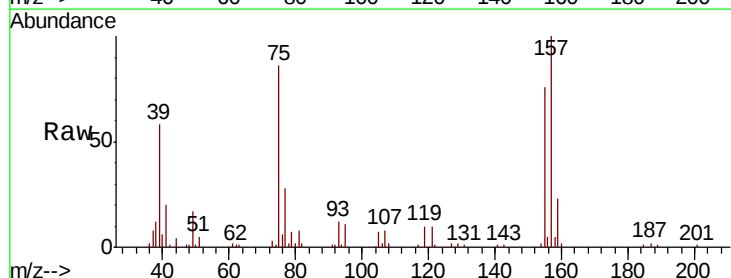
Instrument :
 MSVOA_U
 ClientSampleId :

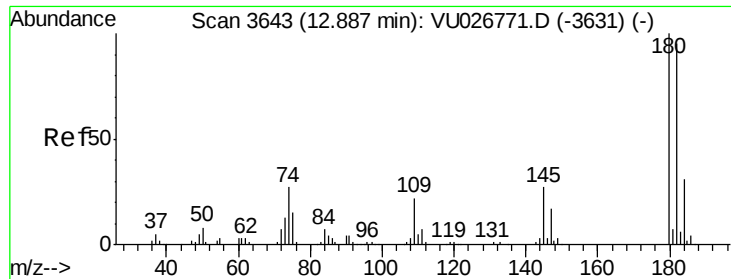
Tot Ion:146 Resp: 498172
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.5 48.7
 148 63.7 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.811 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Tgt Ion: 75 Resp: 31766
 Ion Ratio Lower Upper
 75 100
 155 88.6 76.7 115.1
 157 116.1 95.1 142.7

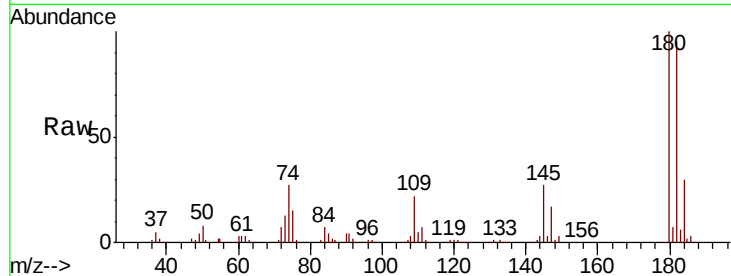




#67
 1,3,5-Trichlorobenzene
 Concen: 21.851 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
184	30.4	24.6	36.8
145	26.9	21.5	32.3



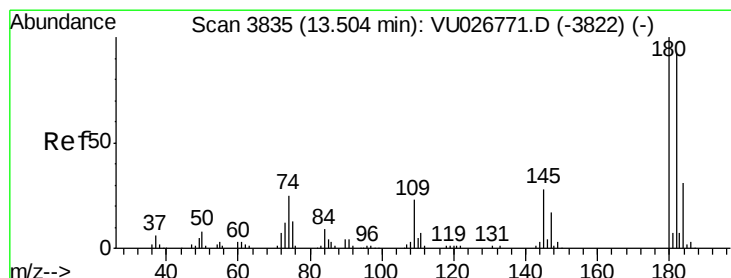
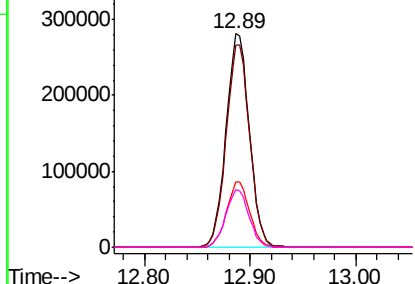
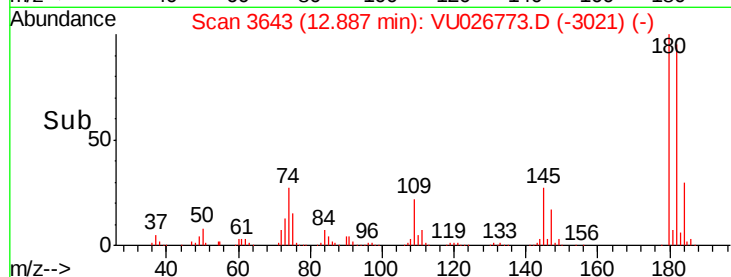
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

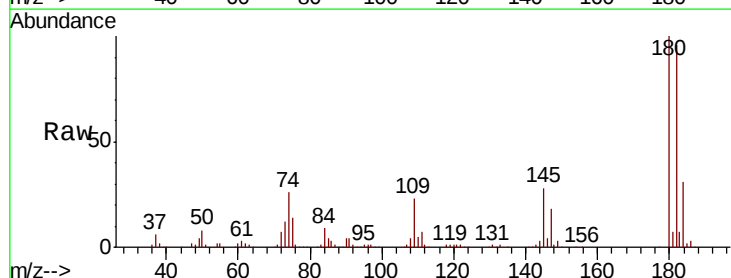
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.189 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026773.D
 Acq: 15 Sep 2018 12:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	74.7	112.1
145	27.7	22.3	33.5

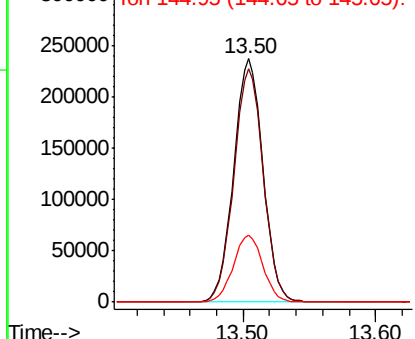
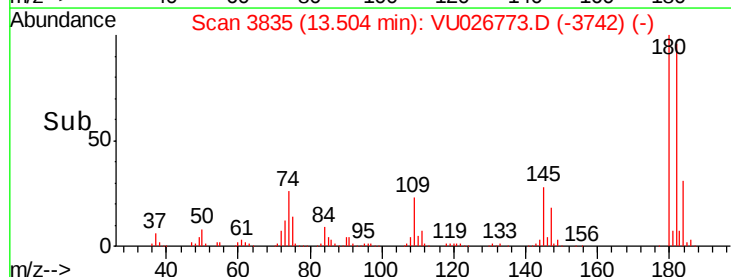


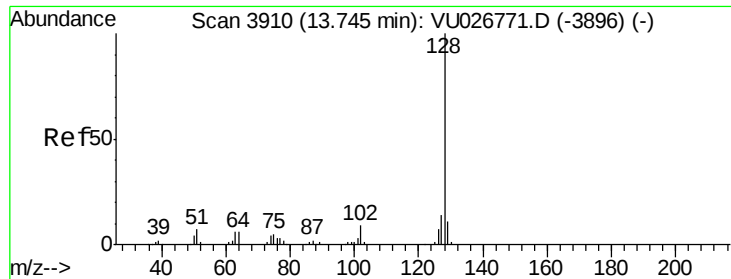
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 26.021 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

Instrument :

MSVOA_U

ClientSampleId :

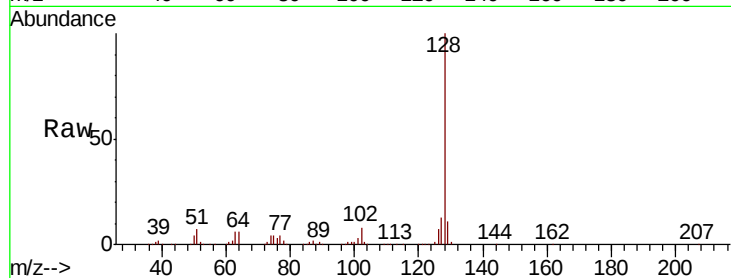
Tot Ion:128 Resp: 612489

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

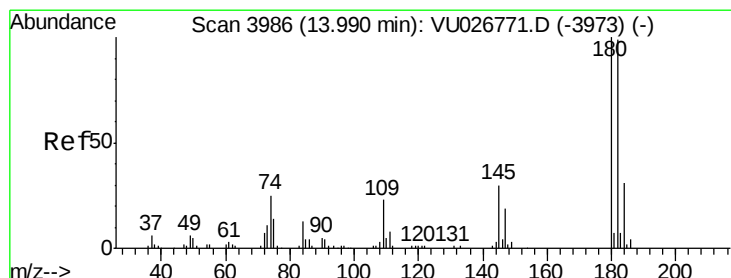
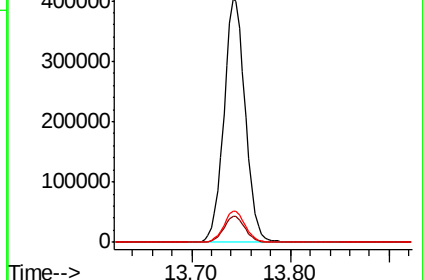
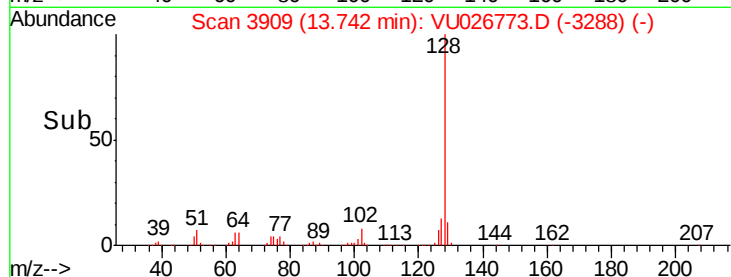
127 12.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.975 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026773.D

Acq: 15 Sep 2018 12:46

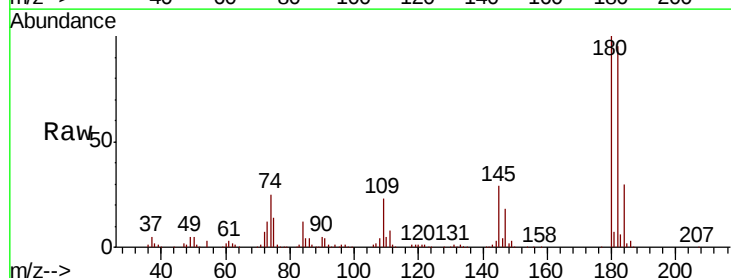
Tgt Ion:180 Resp: 350358

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 29.5 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

