

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
 Data File : VU026771.D
 Acq On : 15 Sep 2018 11:54
 Operator : MD/SY
 Sample : VSTD00542
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 04:17:30 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	132545	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	116972	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	59938	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47239	2.92	ug/L	0.00
7) Chloroethane-d5	1.68	69	38683	3.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	92708	3.35	ug/L	0.00
20) 2-Butanone-d5	4.22	46	112222	36.63	ug/L	0.00
24) Chloroform-d	4.65	84	84781	4.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	42996	3.58	ug/L	0.00
32) Benzene-d6	5.34	84	166272	4.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	53492	4.18	ug/L	0.00
41) Toluene-d8	7.57	98	153198	4.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	19496	4.18	ug/L	0.00
46) 2-Hexanone-d5	8.33	63	80890	39.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41853	4.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	56671	4.19	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	73276	5.610	ug/L 100
3) Chloromethane	1.33	50	72440	4.438	ug/L 100
5) Vinyl chloride	1.40	62	73596	4.476	ug/L 100
6) Bromomethane	1.63	94	36700	4.603	ug/L 100
8) Chloroethane	1.70	64	45212	4.602	ug/L 100
9) Trichlorofluoromethane	1.89	101	92389	4.678	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	53968	4.652	ug/L 100
12) 1,1-Dichloroethene	2.29	96	49015	4.619	ug/L 100
13) Acetone	2.35	43	96128	41.049	ug/L 100
14) Carbon disulfide	2.48	76	172982	4.448	ug/L 100
15) Methyl Acetate	2.63	43	25394	3.910	ug/L 100
16) Methylene chloride	2.70	84	55400	4.188	ug/L 100
17) Methyl tert-butyl Ether	3.01	73	122258	4.606	ug/L 100
18) trans-1,2-Dichloroethene	2.98	96	54579	4.670	ug/L 100
19) 1,1-Dichloroethane	3.45	63	101873	4.290	ug/L 100
21) 2-Butanone	4.31	43	166542	53.213	ug/L 100
22) cis-1,2-Dichloroethene	4.23	96	58922	4.895	ug/L 100
23) Bromochloromethane	4.55	128	25406	5.176	ug/L 100
25) Chloroform	4.68	83	100020	4.322	ug/L 100
27) 1,2-Dichloroethane	5.41	62	64937	4.957	ug/L 100
29) 1,1,1-Trichloroethane	4.91	97	86326	5.692	ug/L 100
30) Cyclohexane	4.99	56	95495	6.048	ug/L 100
31) Carbon tetrachloride	5.13	117	75996	5.580	ug/L 100
33) Benzene	5.39	78	223215	5.607	ug/L 100
34) Trichloroethene	6.18	95	56432	5.244	ug/L 100
35) Methylcyclohexane	6.41	83	92010	5.923	ug/L 100
37) 1,2-Dichloropropane	6.44	63	59870	5.468	ug/L 100
38) Bromodichloromethane	6.76	83	71220	5.508	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	79216	5.640	ug/L 100
40) 4-Methyl-2-pentanone	7.48	43	361444	58.012	ug/L 100

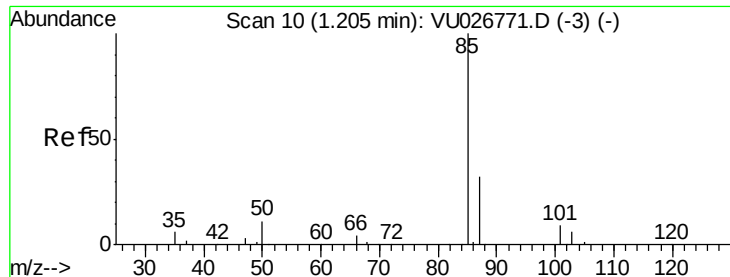
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	227404	5.628	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	63747	5.551	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	40276	5.789	ug/L	100
47) Tetrachloroethene	8.23	164	48274	5.862	ug/L	100
48) 2-Hexanone	8.38	43	263497	57.554	ug/L	100
49) Dibromochloromethane	8.48	129	49298	5.771	ug/L	100
50) 1,2-Dibromoethane	8.59	107	37134	5.654	ug/L	100
51) Chlorobenzene	9.12	112	147915	5.593	ug/L	100
52) Ethylbenzene	9.25	91	229571	5.399	ug/L	100
53) m,p-xylene	9.38	106	91678	5.780	ug/L	100
54) o-xylene	9.78	106	86810	5.787	ug/L	100
55) Styrene	9.79	104	160014	6.051	ug/L	100
56) Isopropylbenzene	10.17	105	224013	5.646	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	51129	5.623	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	35887	5.617	ug/L	100
61) Bromoform	9.96	173	28456	5.765	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	108918	5.508	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	120704	5.732	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	113253	5.747	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	7294	5.626	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	91137	5.481	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	73376	5.500	ug/L	100
69) Naphthalene	13.75	128	104410	5.223	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	73618	5.932	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.610 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

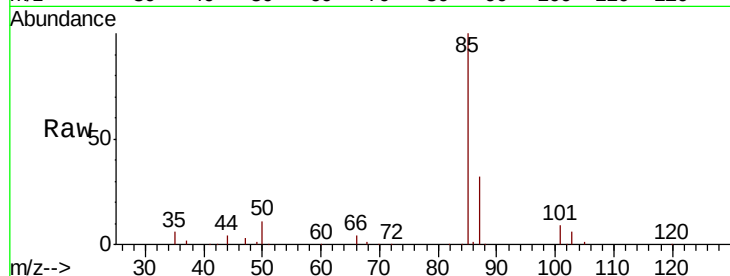
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 73276

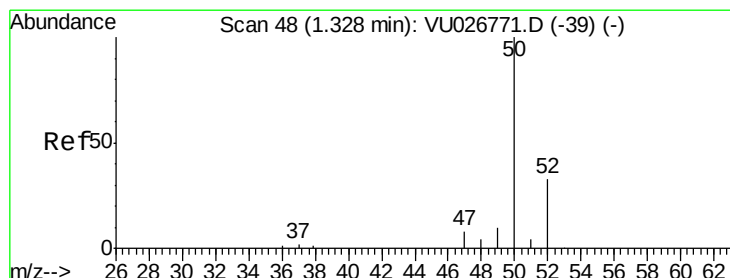
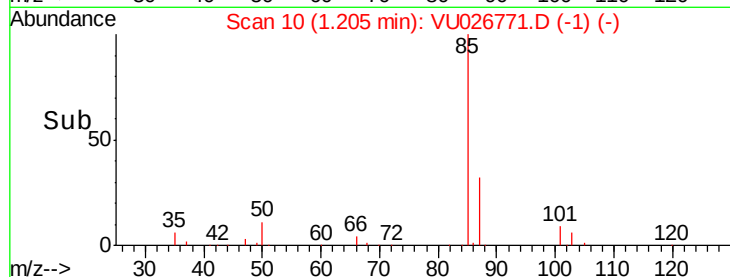
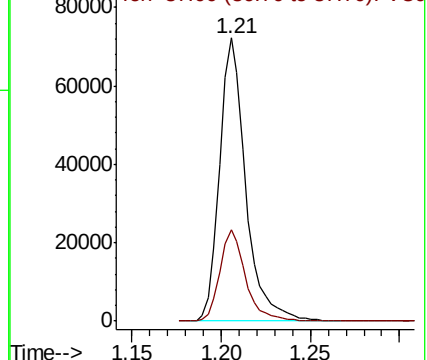
Ion Ratio Lower Upper

85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.438 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026771.D

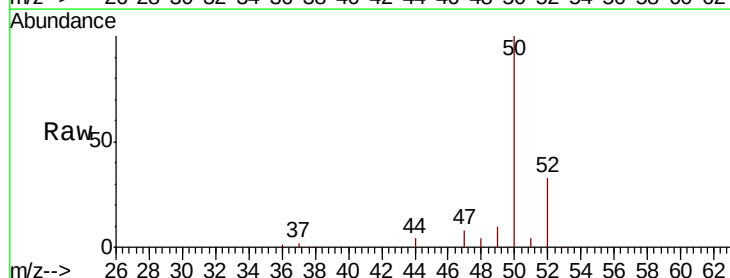
Acq: 15 Sep 2018 11:54

Tgt Ion: 50 Resp: 72440

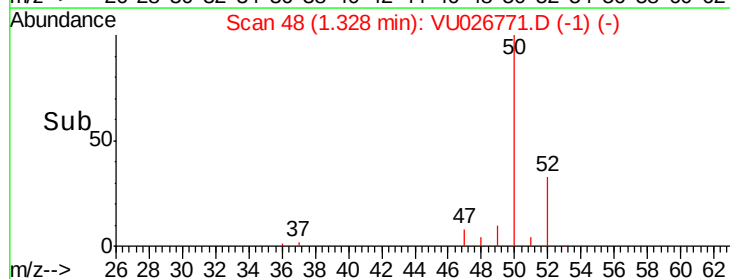
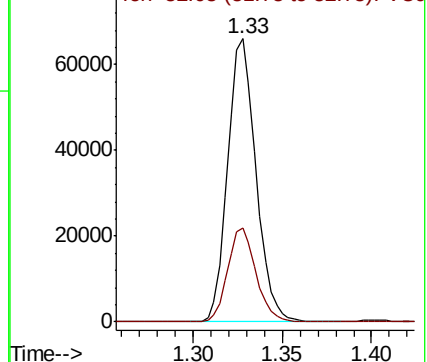
Ion Ratio Lower Upper

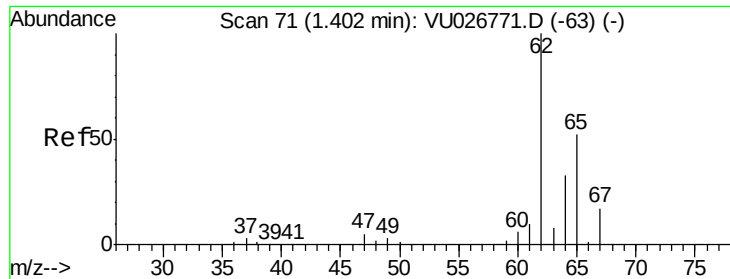
50 100

52 33.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.476 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

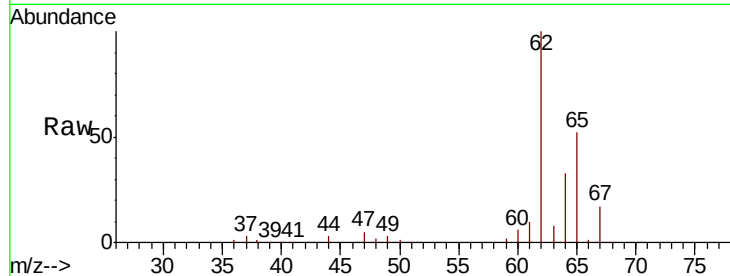
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 73596

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

80000

60000

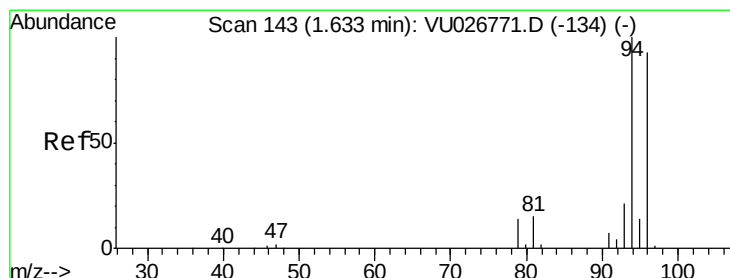
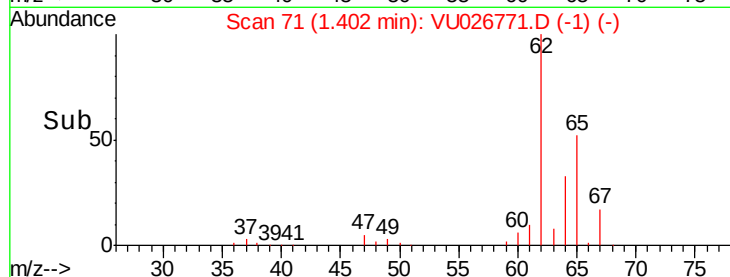
40000

20000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 4.603 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU026771.D

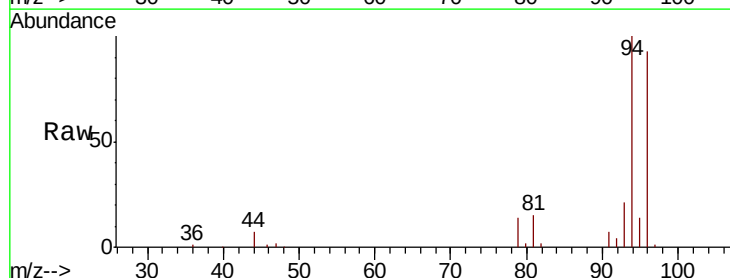
Acq: 15 Sep 2018 11:54

Tgt Ion: 94 Resp: 36700

Ion Ratio Lower Upper

94 100

96 92.6 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

30000

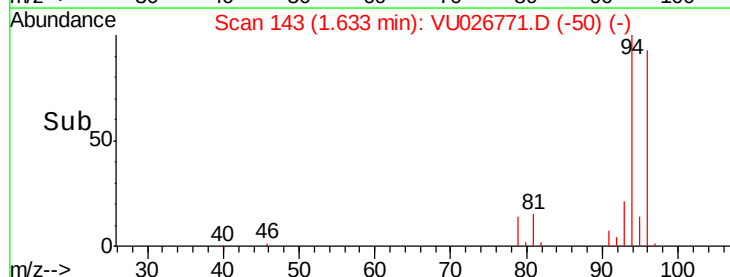
20000

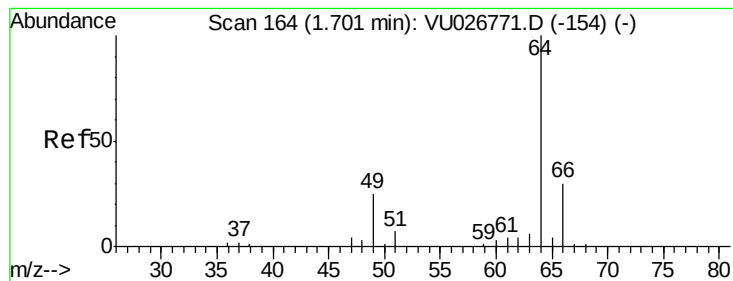
10000

0

Time-->

1.60 1.65 1.70





#8

Chloroethane

Concen: 4.602 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

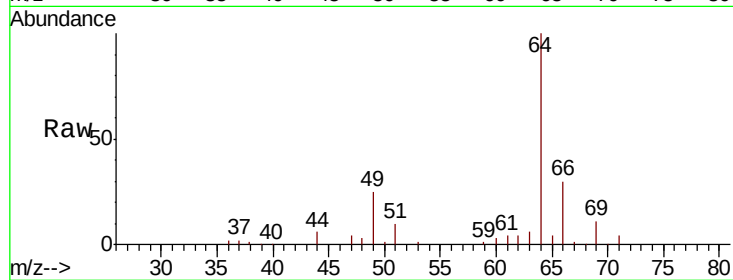
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 45212

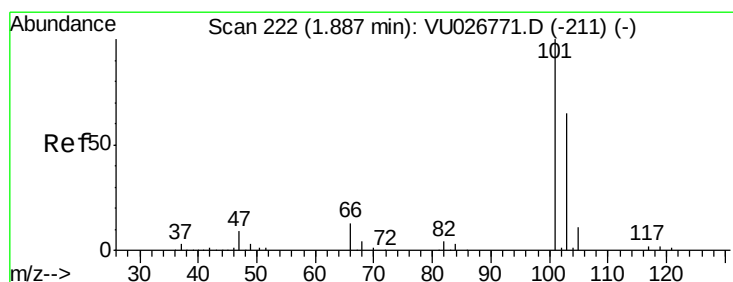
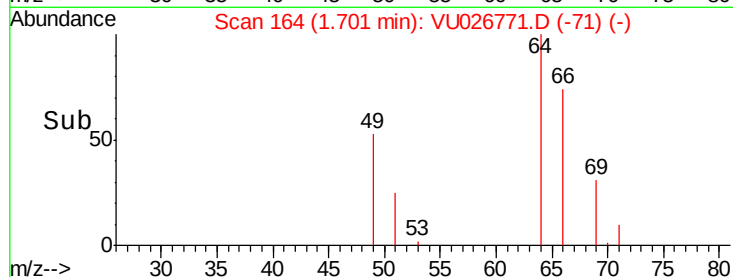
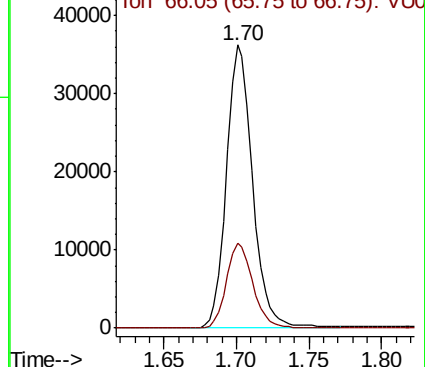
Ion Ratio Lower Upper

64 100

66 29.9 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VU026771.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 4.678 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026771.D

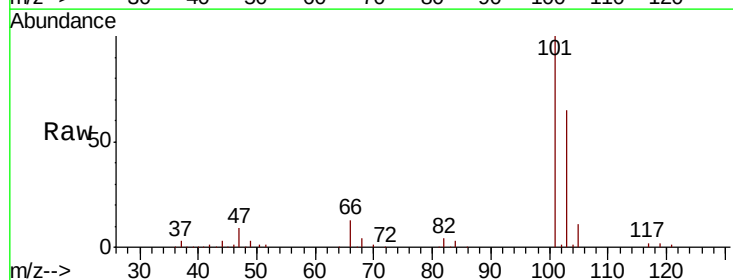
Acq: 15 Sep 2018 11:54

Tgt Ion: 101 Resp: 92389

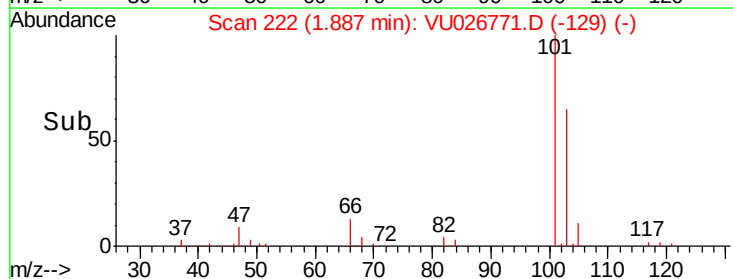
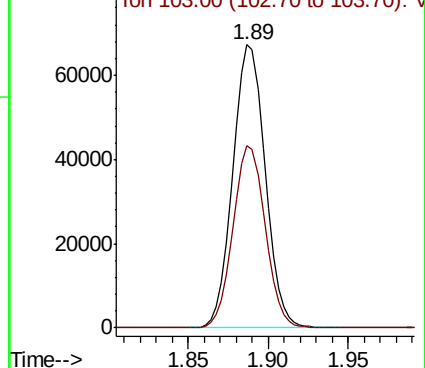
Ion Ratio Lower Upper

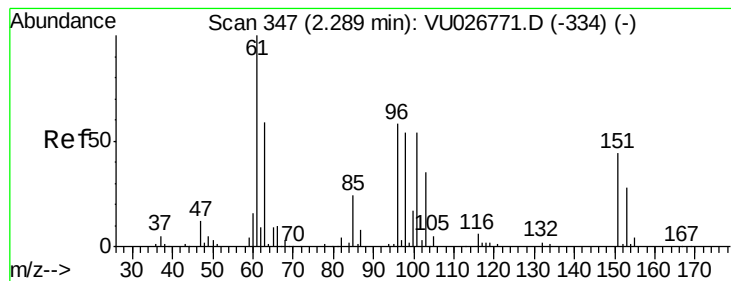
101 100

103 64.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU026771.D (-211) (-)





#10

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

Concen: 4.652 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

Instrument :

MSVOA_U

ClientSampleId :

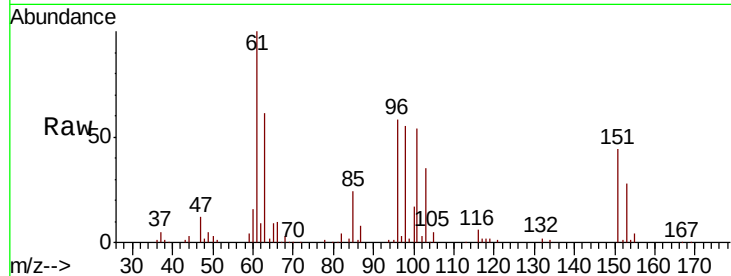
Tot Ion:101 Resp: 53968

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

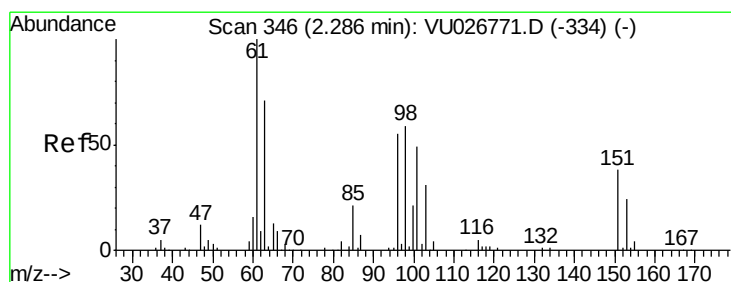
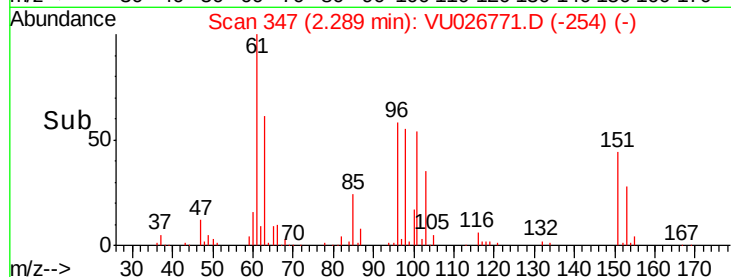
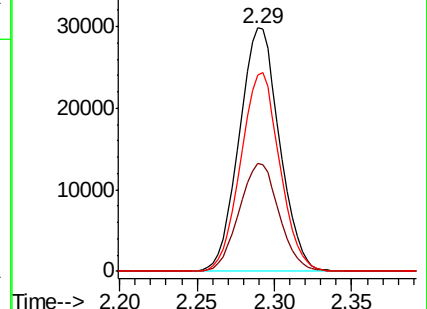
151 79.1 63.3 94.9



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: 4.619 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

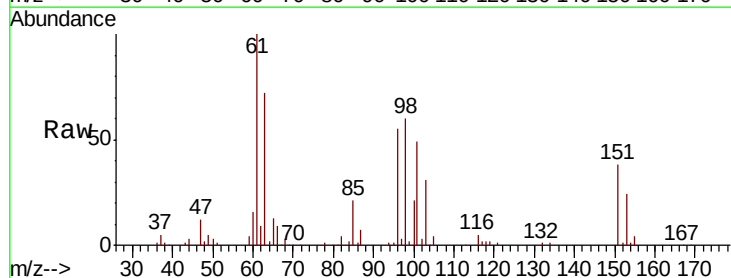
Tgt Ion: 96 Resp: 49015

Ion Ratio Lower Upper

96 100

61 180.9 126.6 235.2

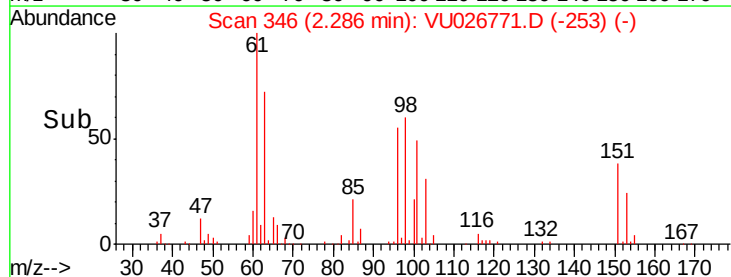
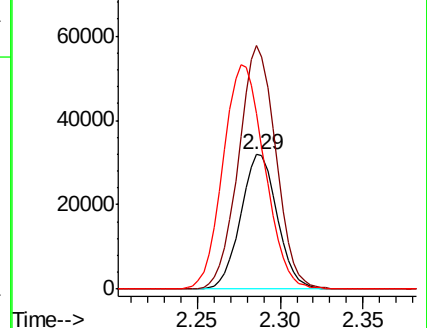
63 130.4 91.3 169.5

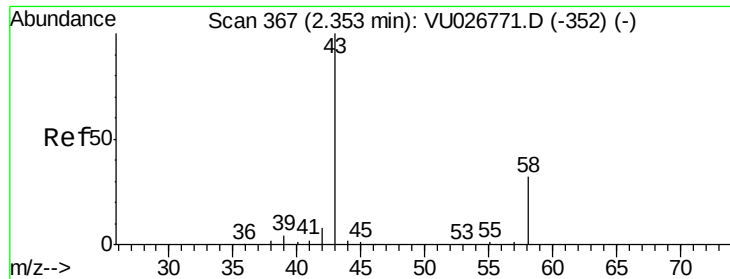


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.049 ug/L

RT: 2.35 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

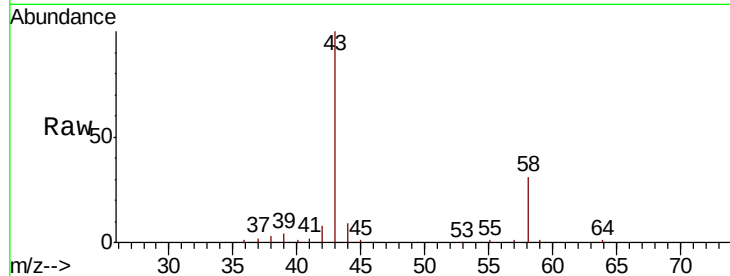
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 96128

Ion Ratio Lower Upper

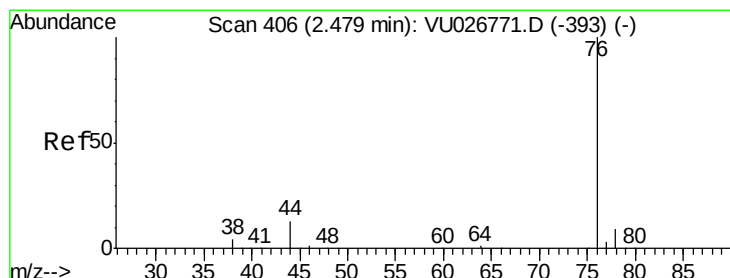
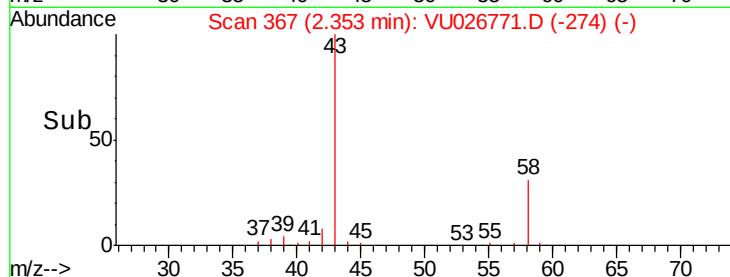
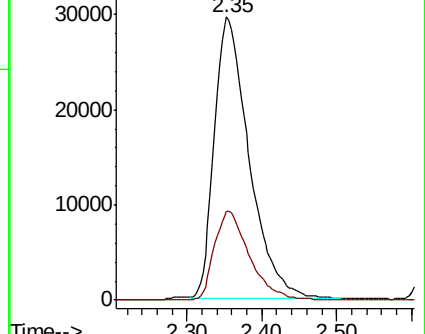
43 100

58 31.5 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.448 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026771.D

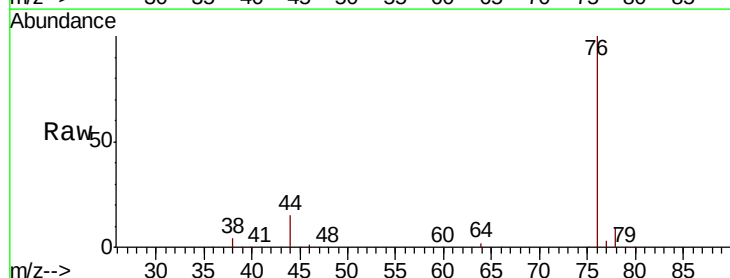
Acq: 15 Sep 2018 11:54

Tgt Ion: 76 Resp: 172982

Ion Ratio Lower Upper

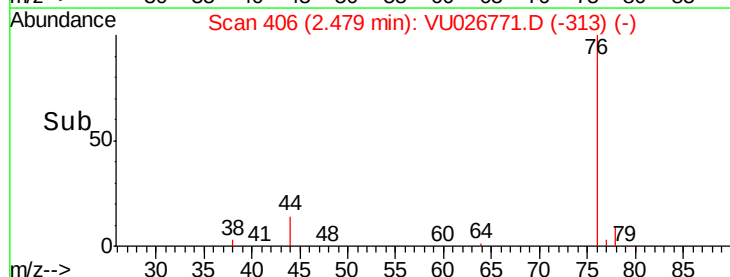
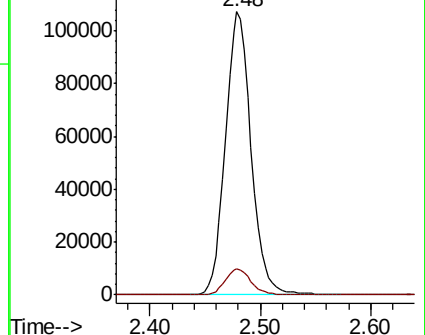
76 100

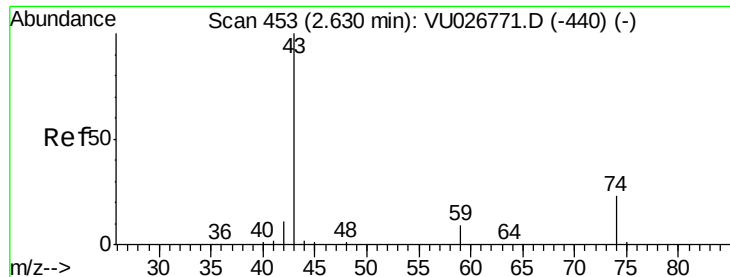
78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

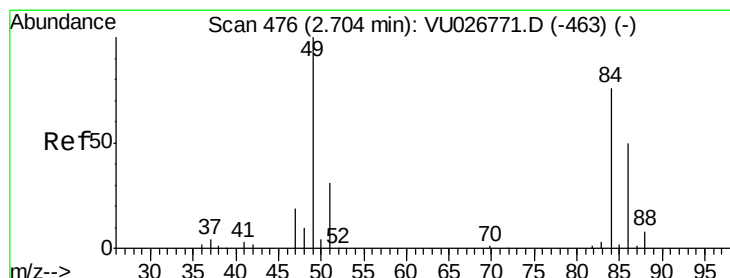
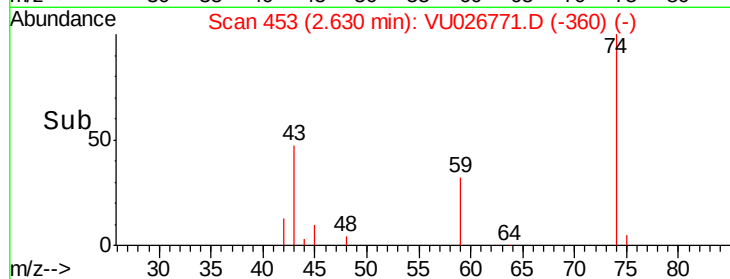
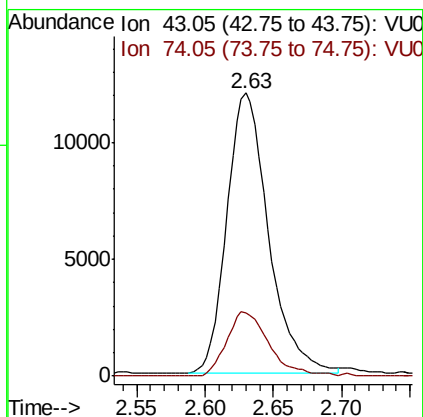
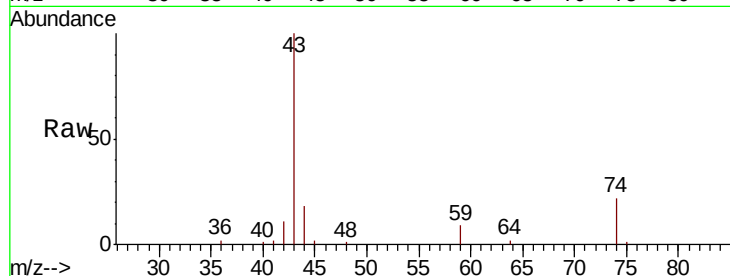




#15
Methyl Acetate
Concen: 3.910 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

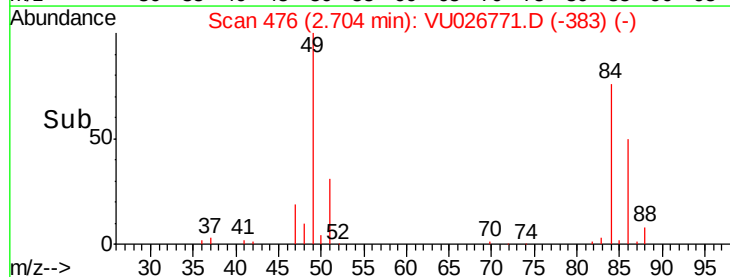
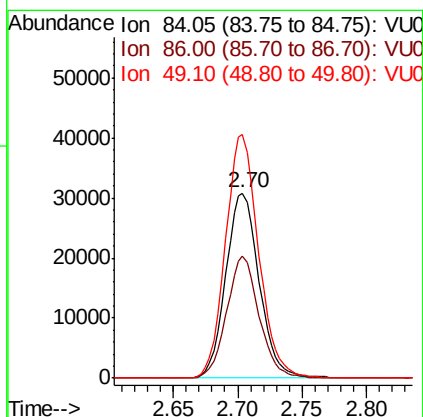
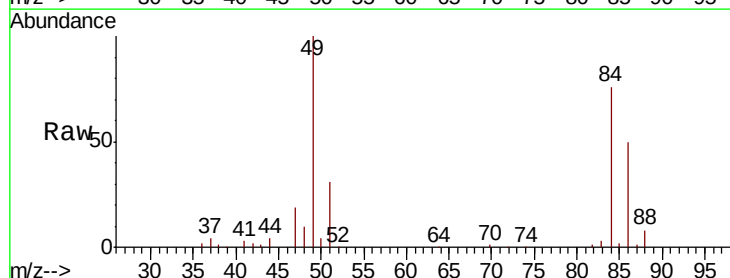
Instrument :
MSVOA_U
ClientSampled :

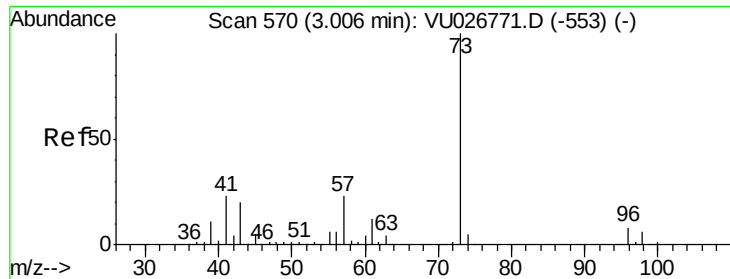
Tot Ion: 43 Resp: 25394
Ion Ratio Lower Upper
43 100
74 23.1 18.5 27.7



#16
Methylene chloride
Concen: 4.188 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Tgt Ion: 84 Resp: 55400
Ion Ratio Lower Upper
84 100
86 65.8 46.1 85.5
49 131.6 92.1 171.1

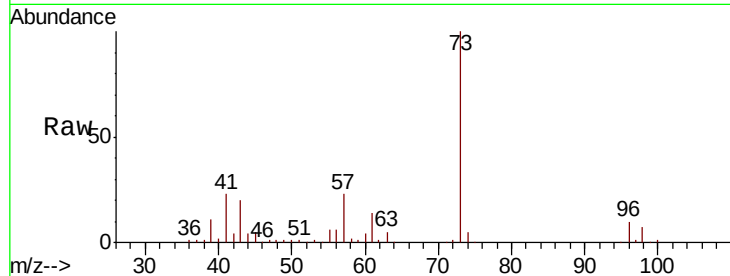




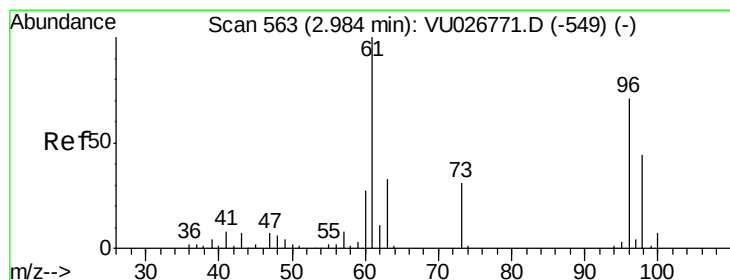
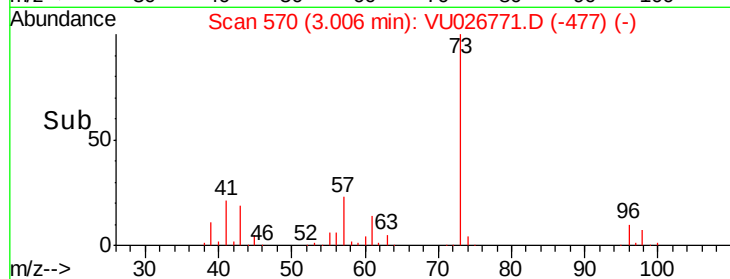
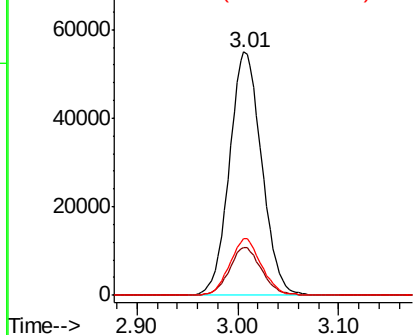
#17
Methyl tert-butyl Ether
Concen: 4.606 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.0	16.0	24.0
57	22.8	18.2	27.4

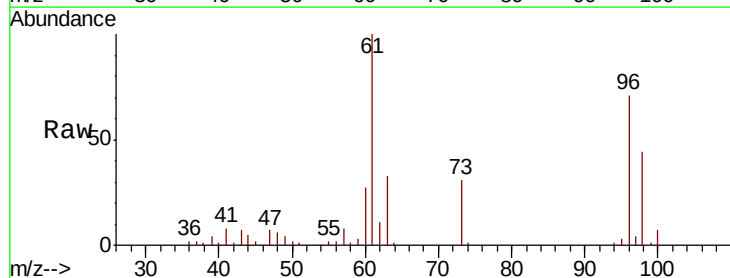


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

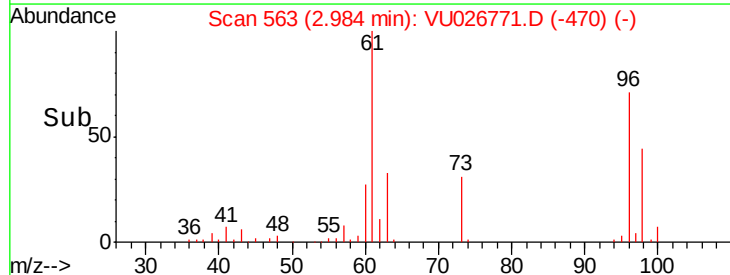
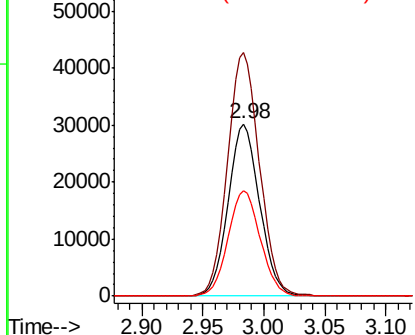


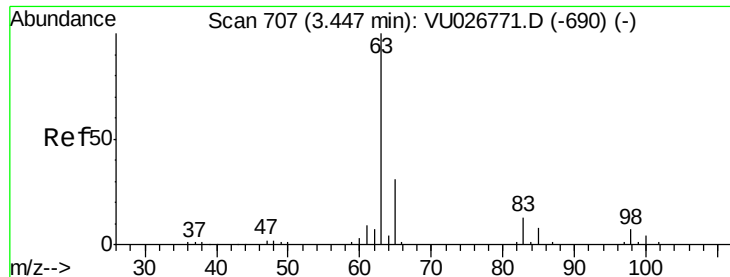
#18
trans-1,2-Dichloroethene
Concen: 4.670 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.4	99.0	183.8
98	61.6	43.1	80.1



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

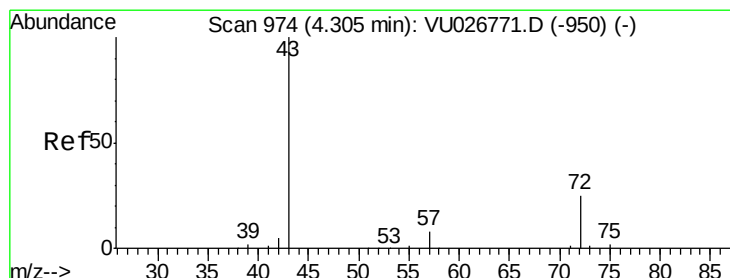
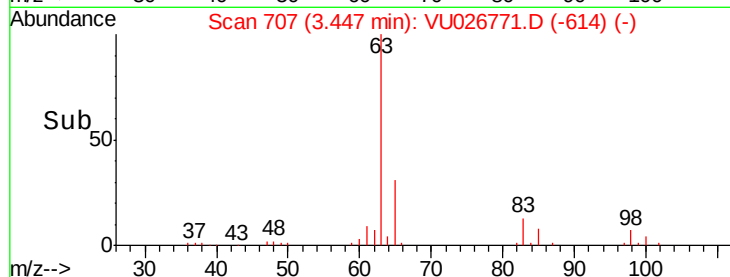
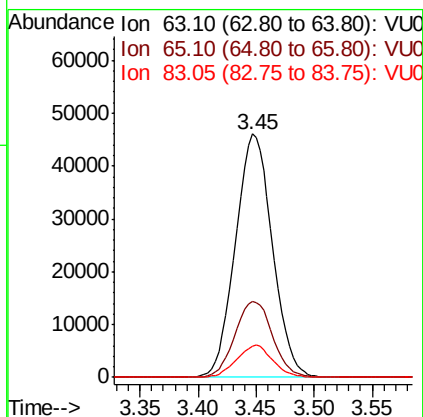
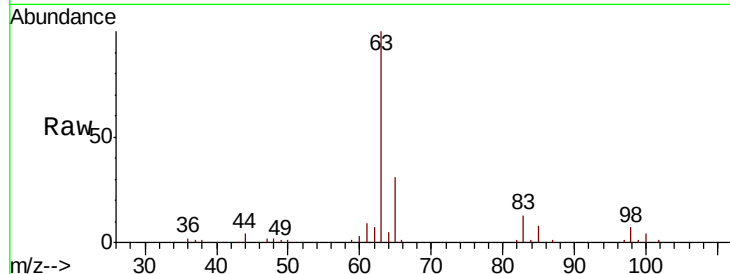




#19
 1,1-Dichloroethane
 Concen: 4.290 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

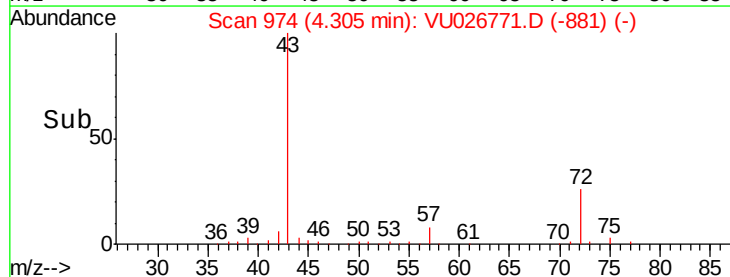
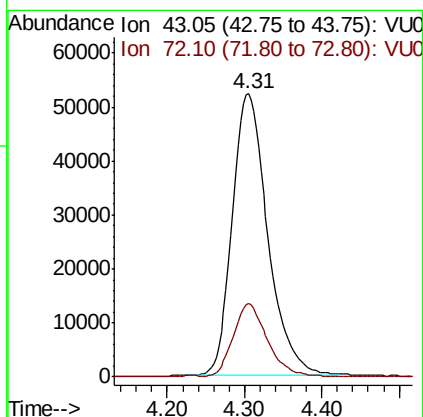
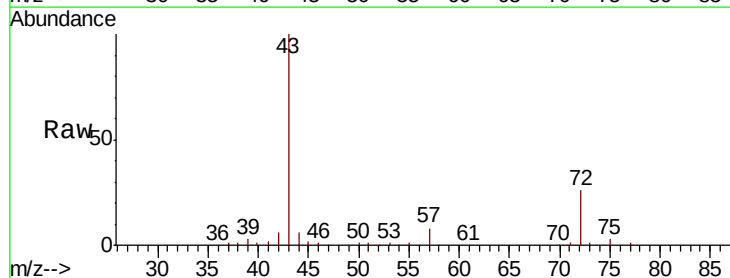
Instrument :
 MSVOA_U
 ClientSampleId :

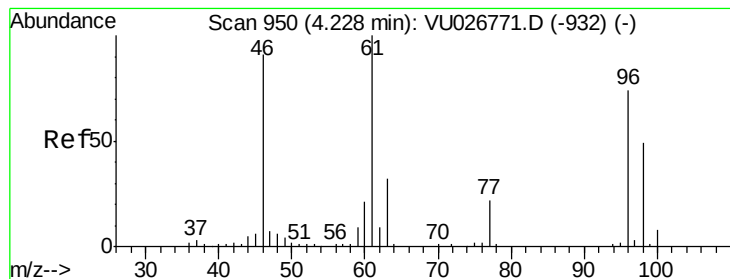
Tot Ion: 63 Resp: 101873
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.7 40.3
 83 12.8 9.0 16.6



#21
 2-Butanone
 Concen: 53.213 ug/L
 RT: 4.31 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

Tgt Ion: 43 Resp: 166542
 Ion Ratio Lower Upper
 43 100
 72 25.2 12.6 37.8



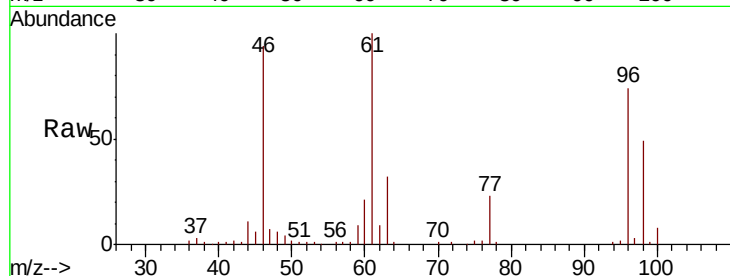


#22

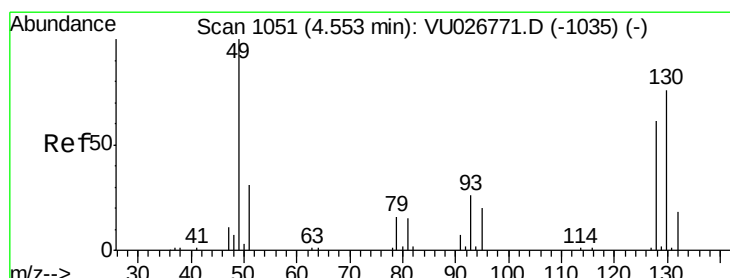
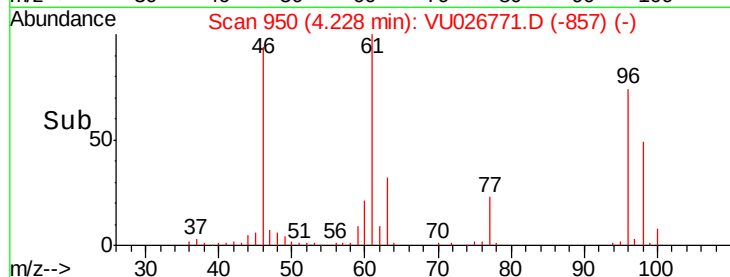
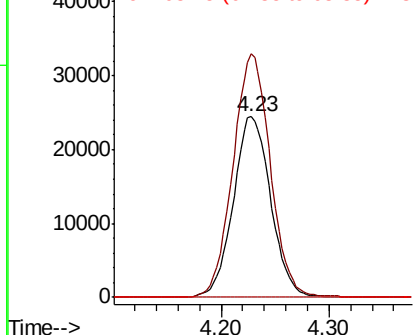
cis-1,2-Dichloroethene
Concen: 4.895 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 58922
Ion Ratio Lower Upper
96 100
61 134.8 94.4 175.2
68 0.0 0.0 0.0



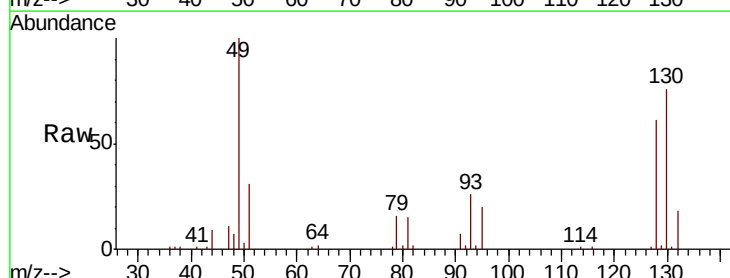
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



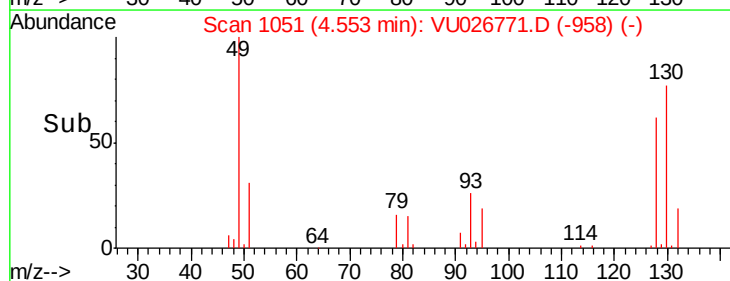
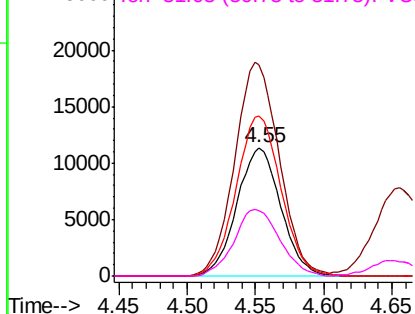
#23

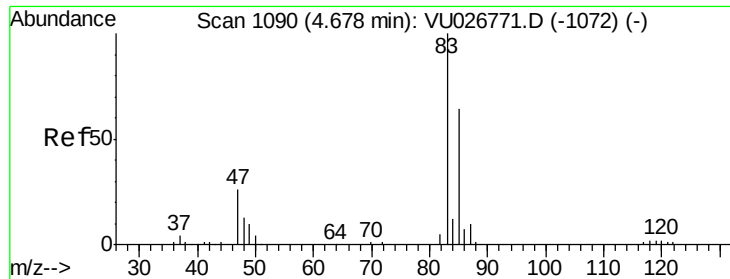
Bromochloromethane
Concen: 5.176 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Tgt Ion: 128 Resp: 25406
Ion Ratio Lower Upper
128 100
49 164.3 115.0 213.6
130 124.5 87.2 161.9
51 50.8 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

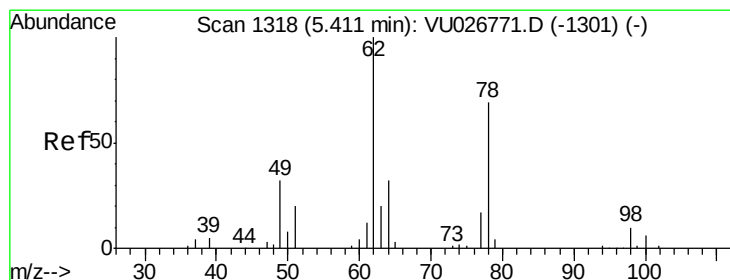
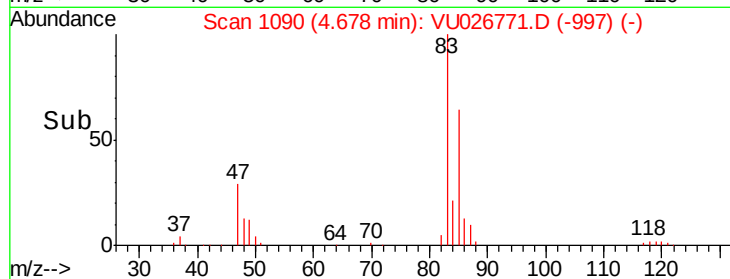
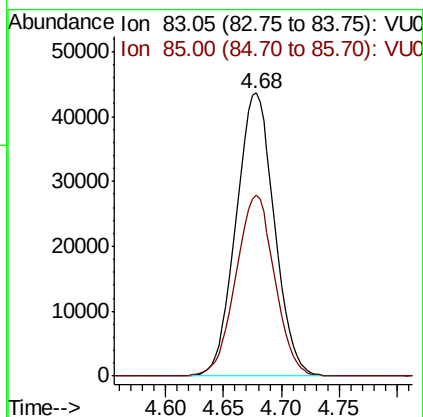
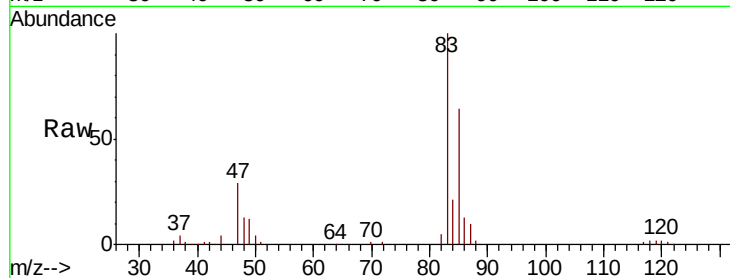




#25
Chloroform
Concen: 4.322 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

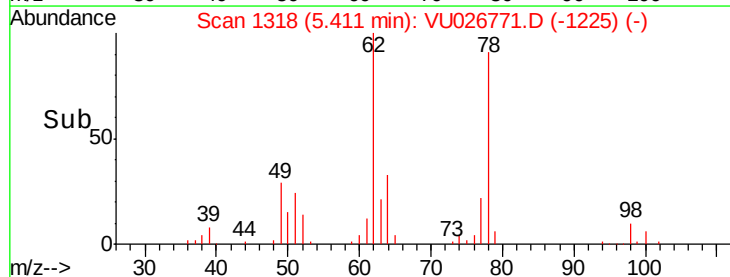
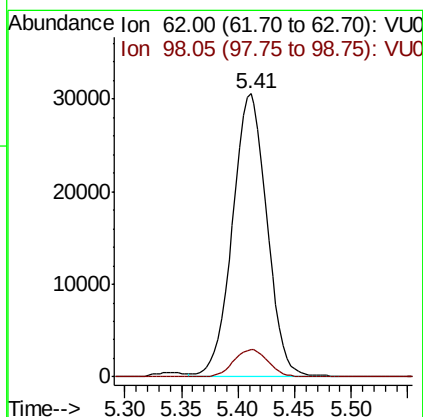
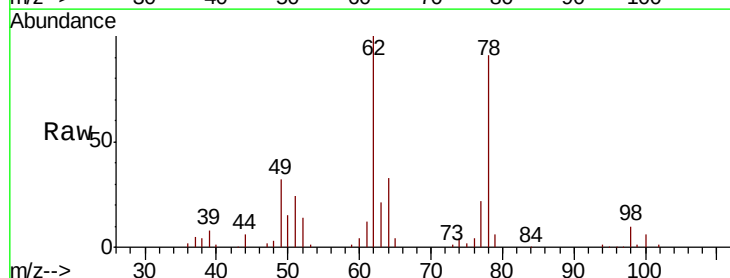
Instrument :
MSVOA_U
ClientSampleId :

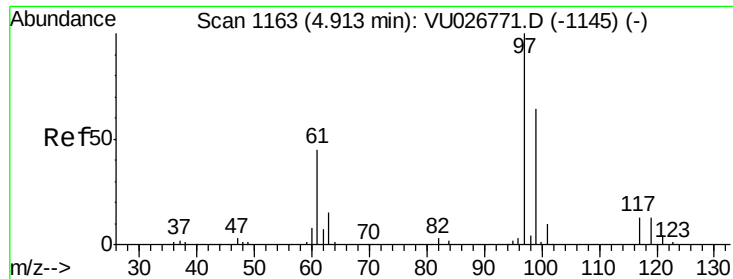
Tot Ion: 83 Resp: 100020
Ion Ratio Lower Upper
83 100
85 64.0 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.957 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Tgt Ion: 62 Resp: 64937
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8

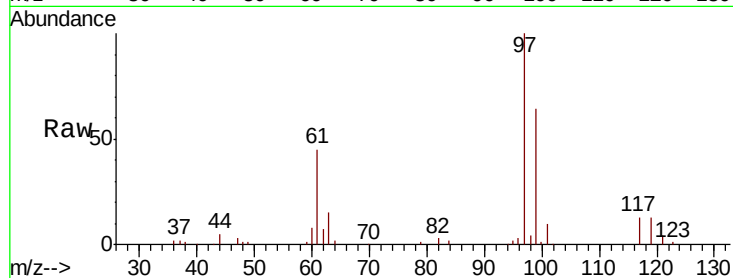




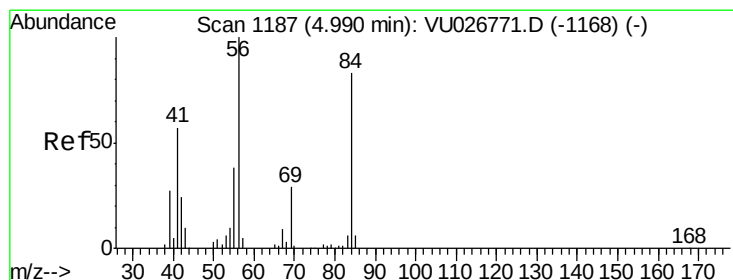
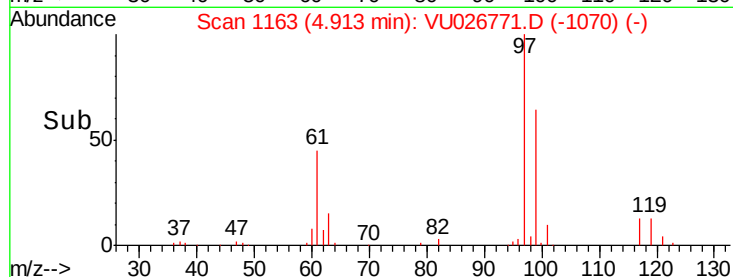
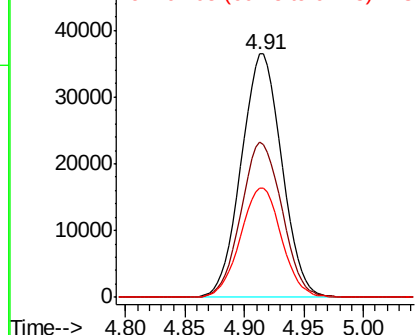
#29
1,1,1-Trichloroethane
Concen: 5.692 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 86326
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 45.7 36.6 54.8

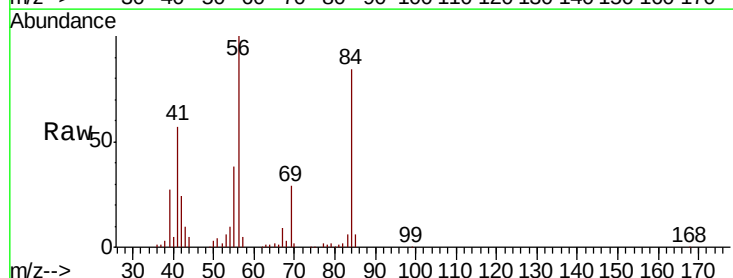


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

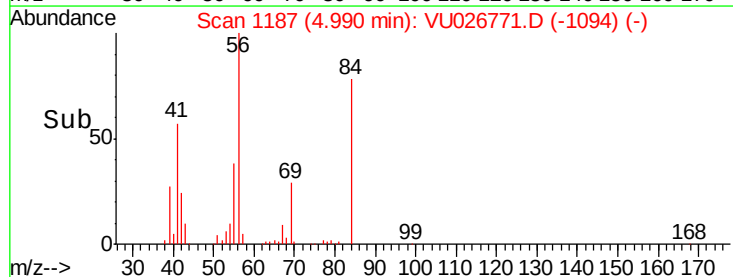
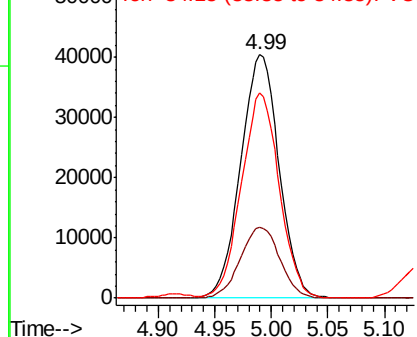


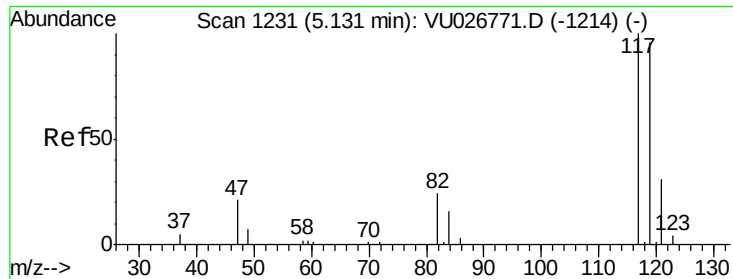
#30
Cyclohexane
Concen: 6.048 ug/L
RT: 4.99 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Tgt Ion: 56 Resp: 95495
Ion Ratio Lower Upper
56 100
69 29.9 23.9 35.9
84 83.3 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: 5.580 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

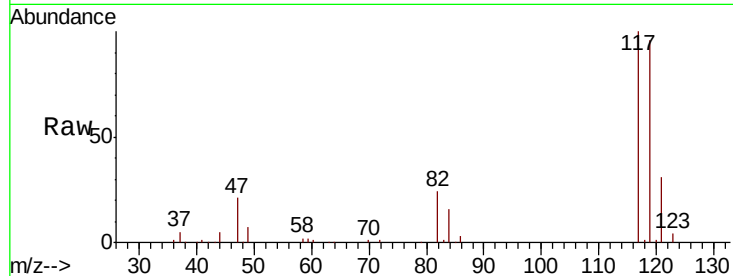
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 75996

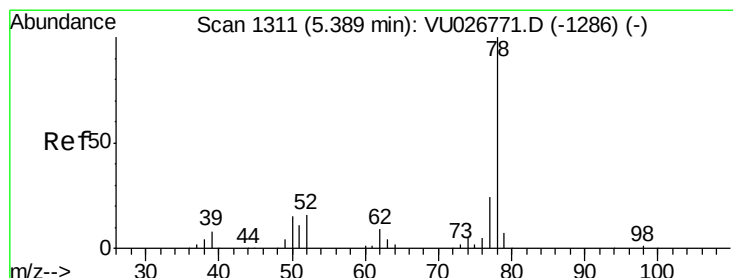
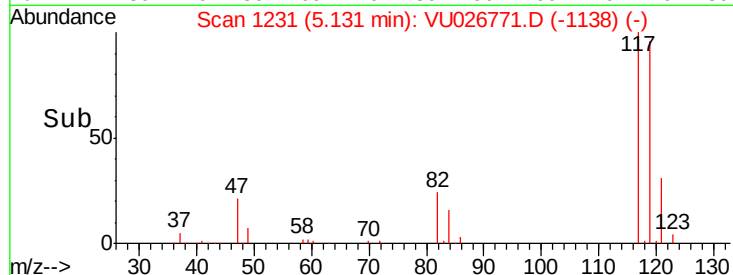
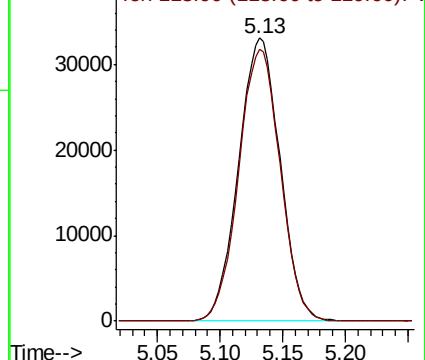
Ion Ratio Lower Upper

117 100

119 96.1 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: 5.607 ug/L

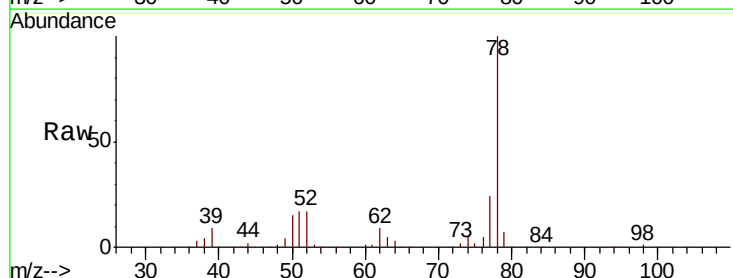
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

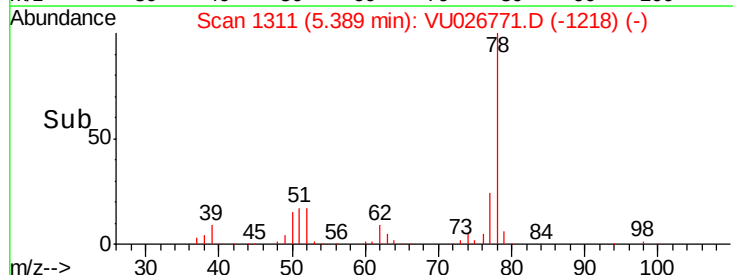
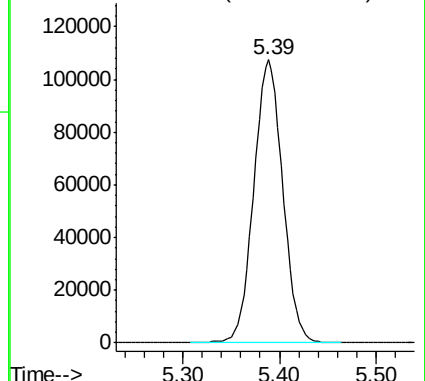
Lab File: VU026771.D

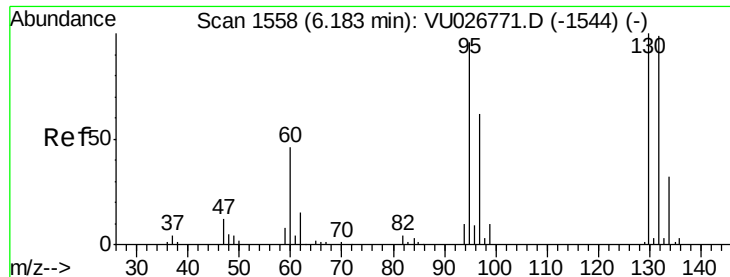
Acq: 15 Sep 2018 11:54

Tgt Ion: 78 Resp: 223215



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.244 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 56432

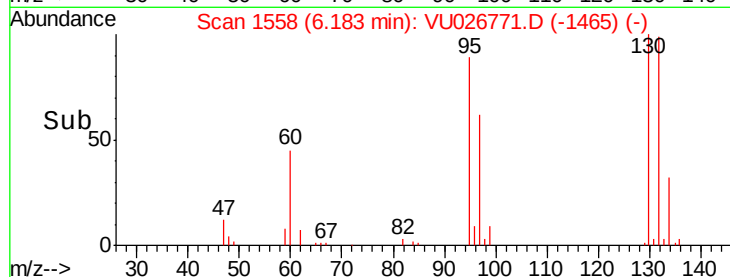
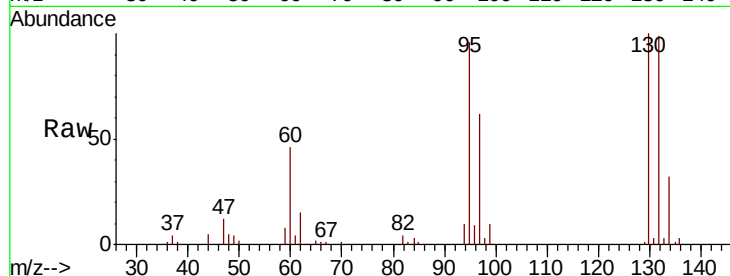
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 102.9 72.0 133.8

130 104.4 73.1 135.7

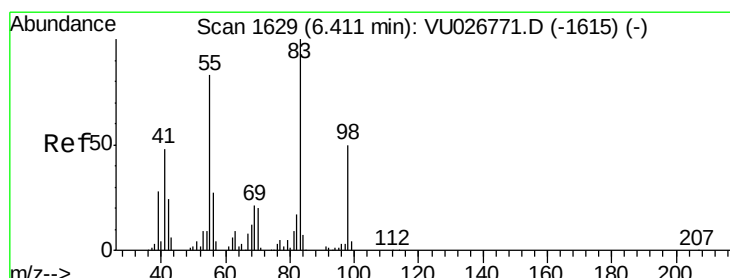
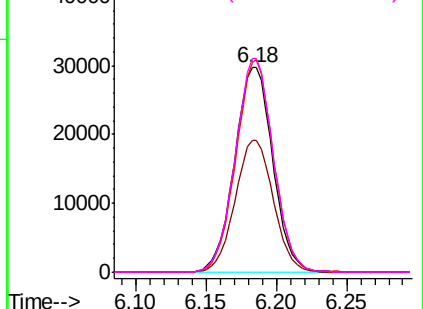


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.923 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

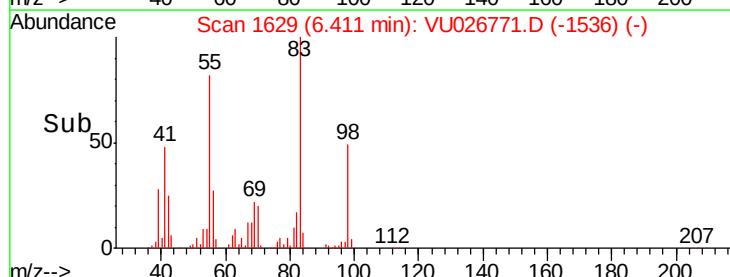
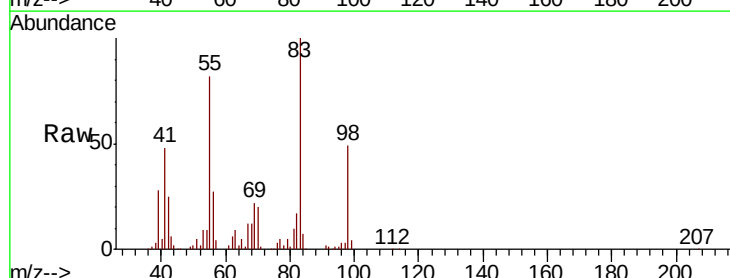
Tgt Ion: 83 Resp: 92010

Ion Ratio Lower Upper

83 100

55 81.1 64.9 97.3

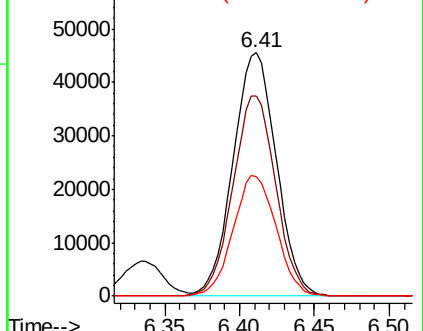
98 49.1 39.3 58.9

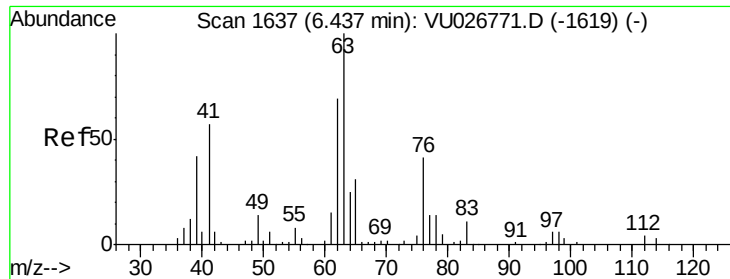


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

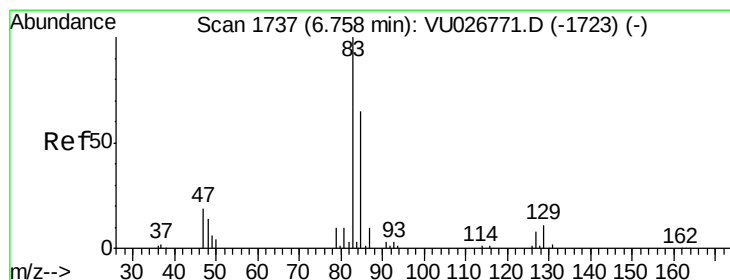
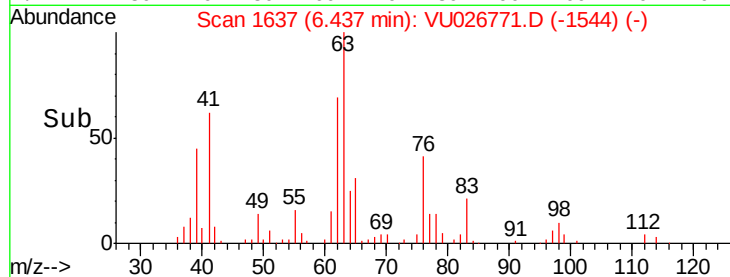
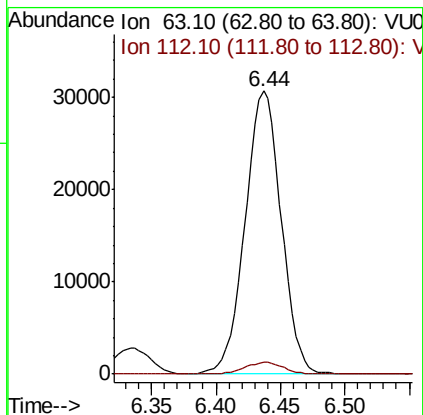
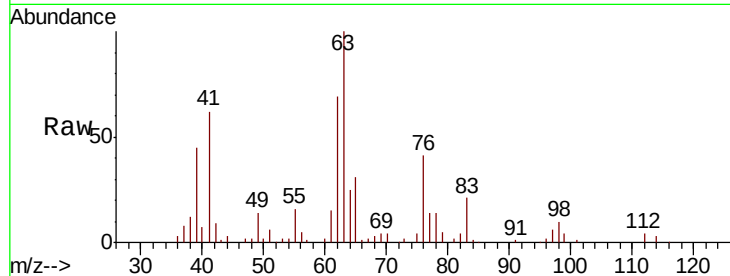




#37
 1,2-Dichloropropane
 Concen: 5.468 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

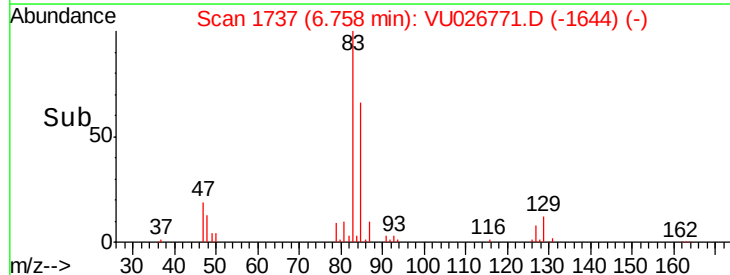
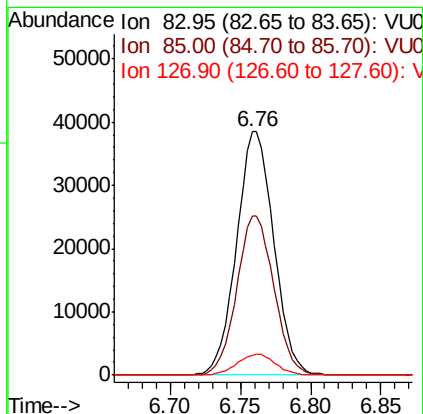
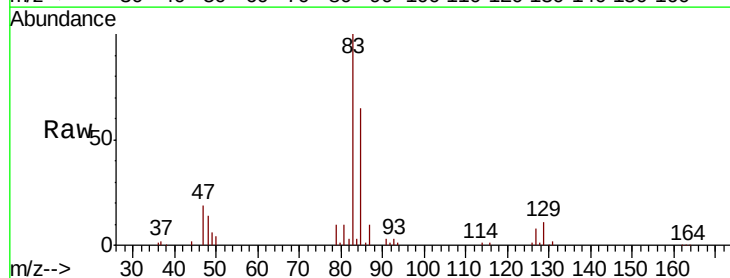
Instrument :
 MSVOA_U
 ClientSampleId :

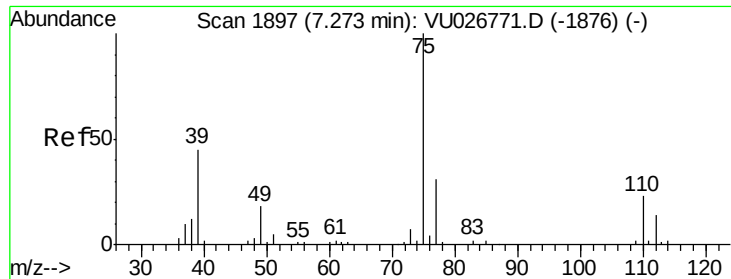
Tot Ion: 63 Resp: 59870
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.508 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

Tgt Ion: 83 Resp: 71220
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.8 85.0
 127 8.3 6.6 10.0

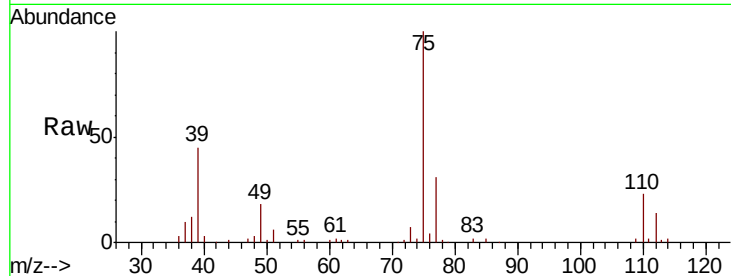




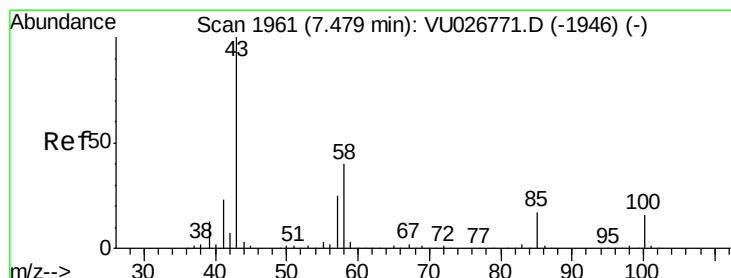
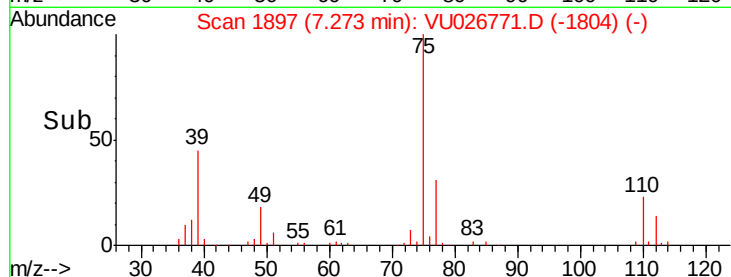
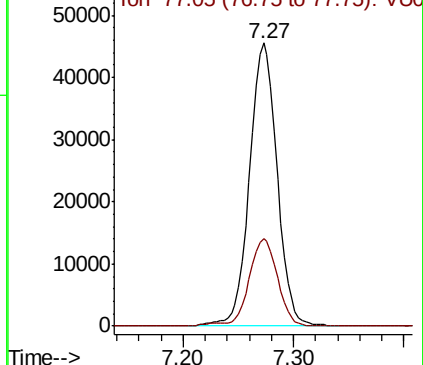
#39
 cis-1,3-Dichloropropene
 Concen: 5.640 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 79216
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3

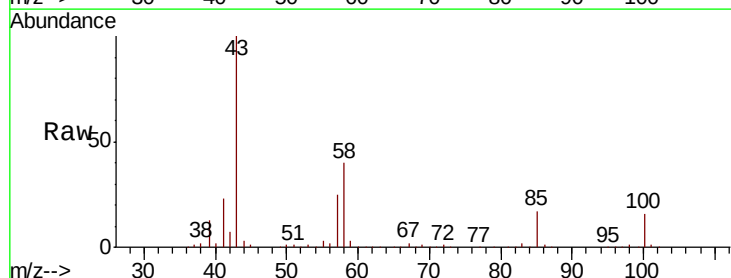


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

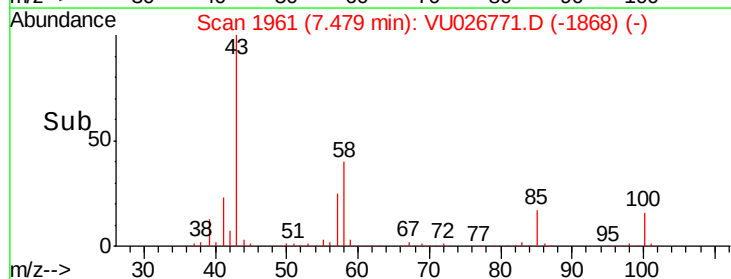
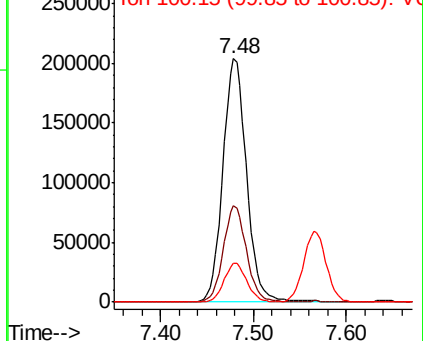


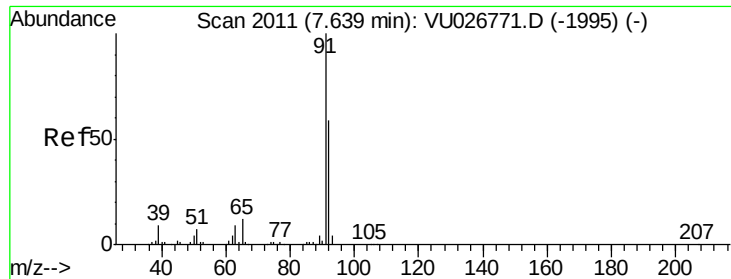
#40
 4-Methyl-2-pentanone
 Concen: 58.012 ug/L
 RT: 7.48 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

Tgt Ion: 43 Resp: 361444
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 15.4 12.3 18.5



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





#42

Toluene

Concen: 5.628 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

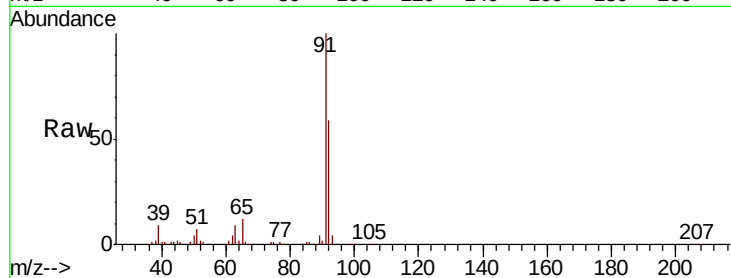
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 227404

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

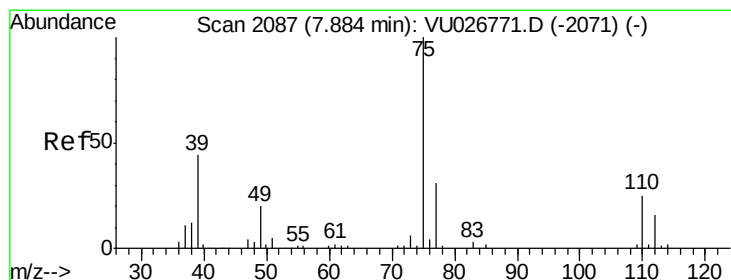
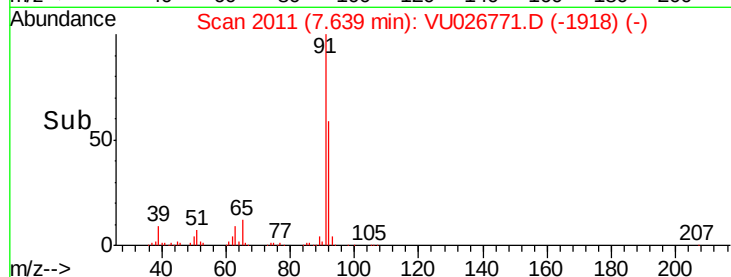
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.551 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026771.D

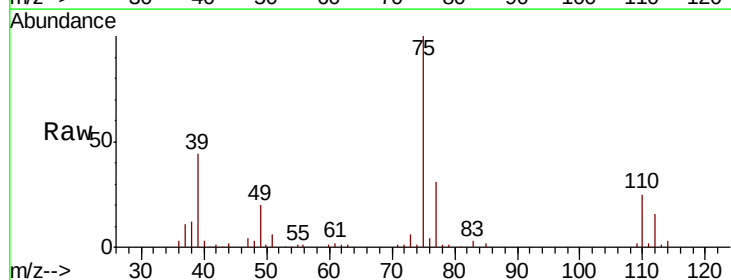
Acq: 15 Sep 2018 11:54

Tgt Ion: 75 Resp: 63747

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

40000

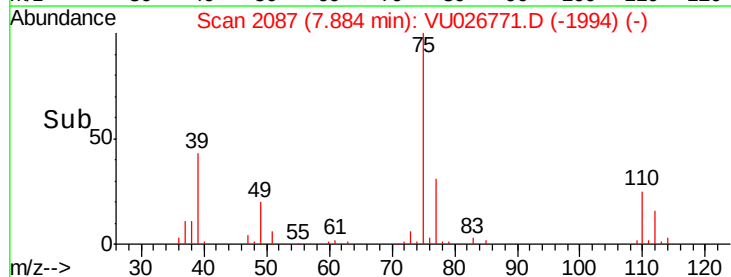
30000

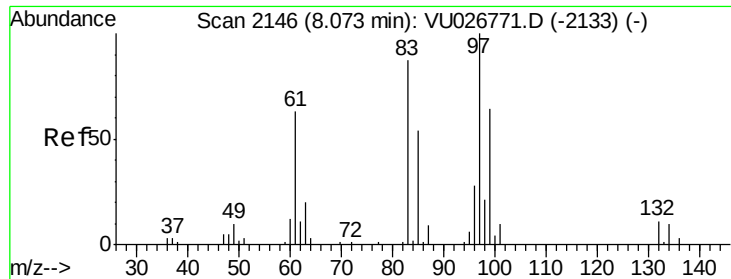
20000

10000

0

Time-->

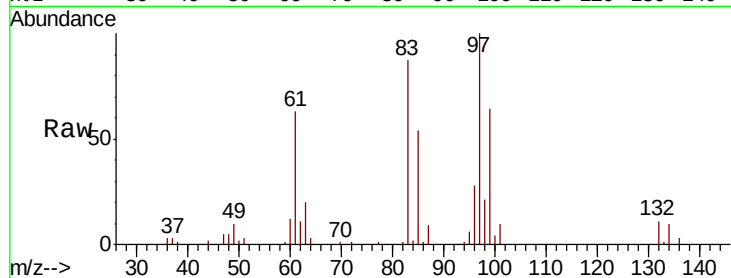




#45
1,1,2-Trichloroethane
Concen: 5.789 ug/L
RT: 8.07 min Scan# 2146
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	40276
Ion	Ratio	Lower	Upper
97	100		
99	64.3	45.0	83.6
83	86.8	60.8	112.8
85	54.5	38.1	70.9



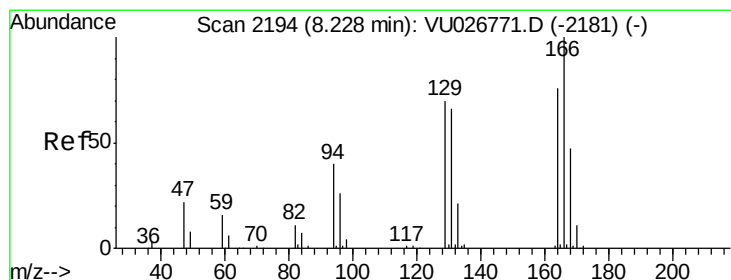
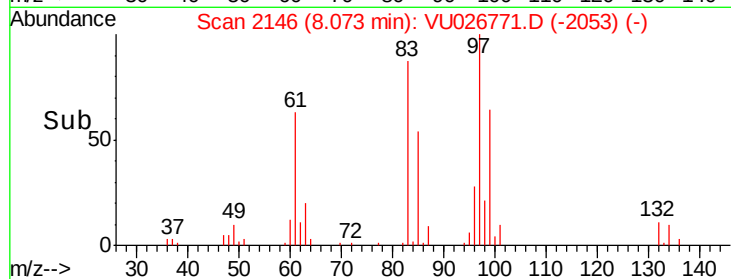
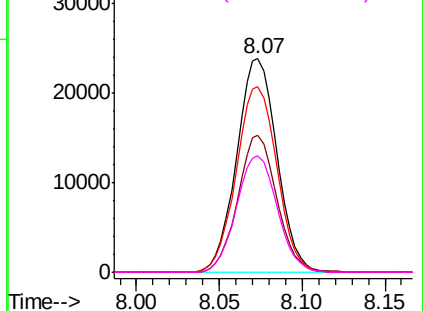
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

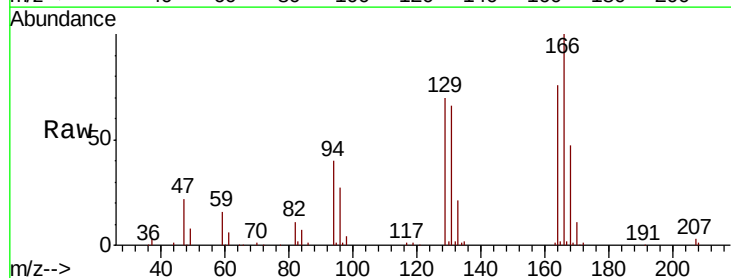
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 5.862 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Tgt Ion:	164	Resp:	48274
Ion	Ratio	Lower	Upper
164	100		
129	92.5	64.8	120.3
131	87.7	61.4	114.0
166	132.3	92.6	172.0



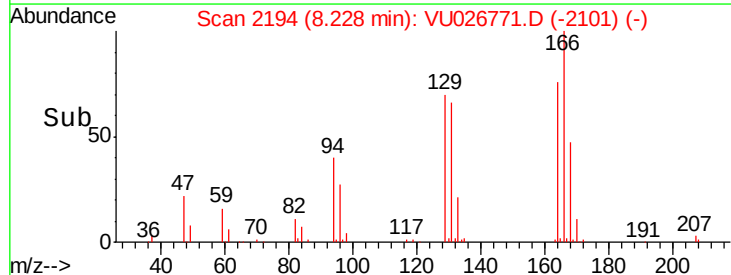
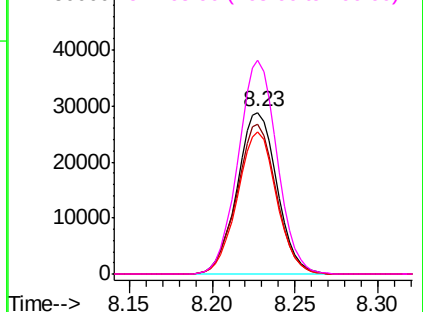
Abundance

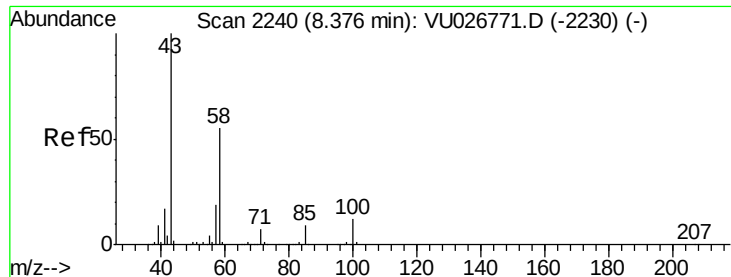
Ion 163.90 (163.60 to 164.60): V

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

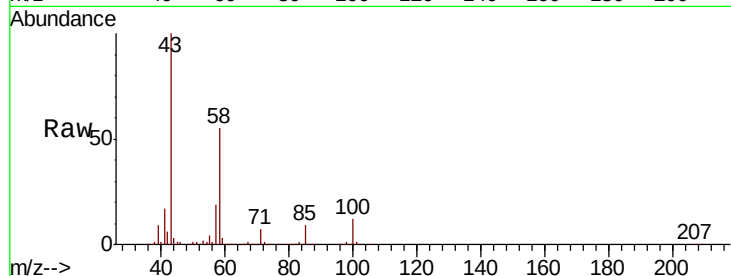




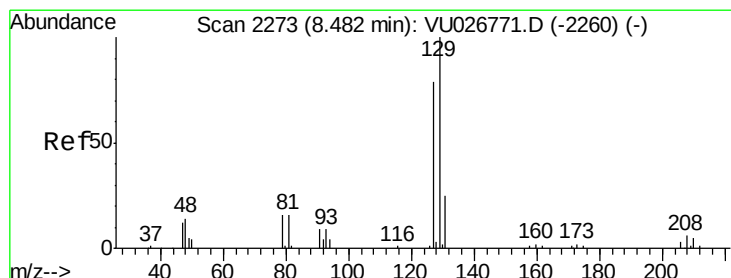
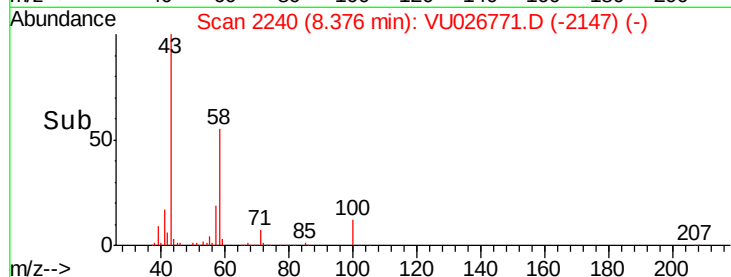
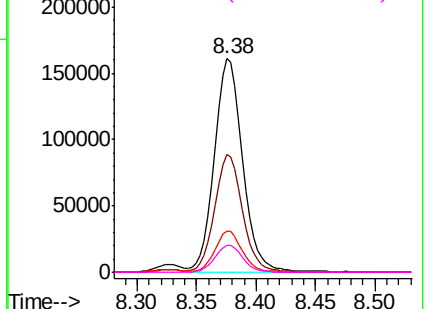
#48
2-Hexanone
Concen: 57.554 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	263497
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.7	65.5
57	19.0	15.2	22.8
100	12.6	10.1	15.1

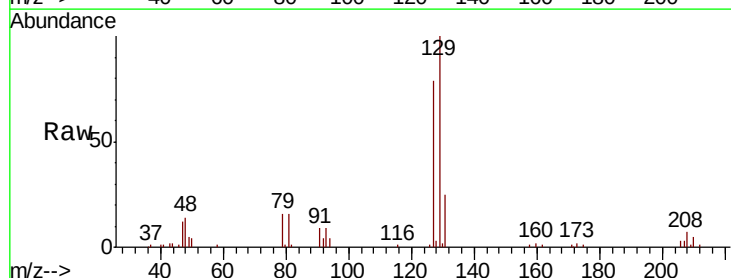


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

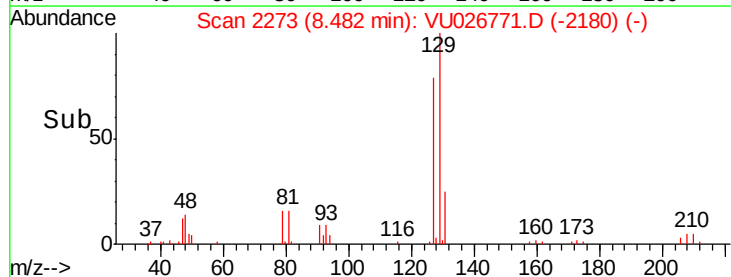
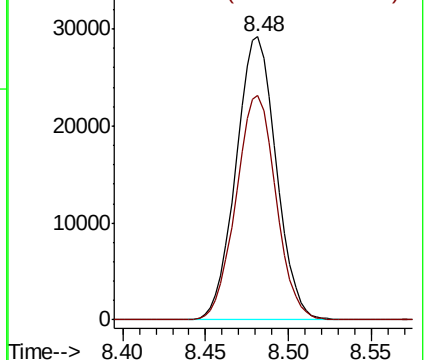


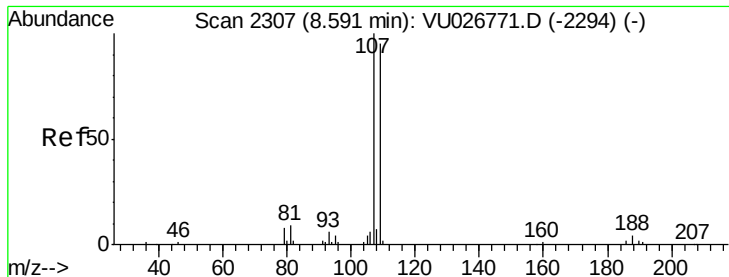
#49
Dibromochloromethane
Concen: 5.771 ug/L
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU026771.D
Acq: 15 Sep 2018 11:54

Tgt Ion:	129	Resp:	49298
Ion	Ratio	Lower	Upper
129	100		
127	79.2	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: 5.654 ug/L

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

Instrument :

MSVOA_U

ClientSampled :

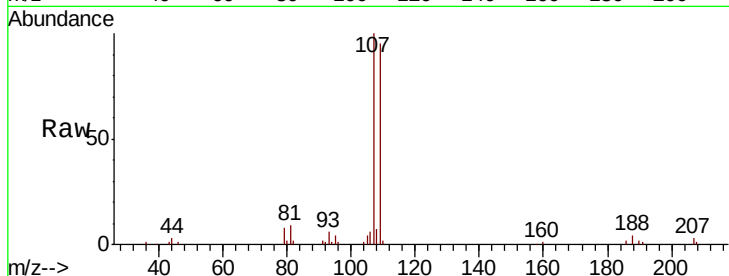
Tot Ion:107 Resp: 37134

Ion Ratio Lower Upper

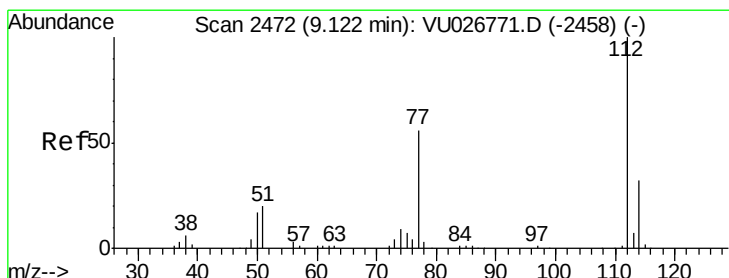
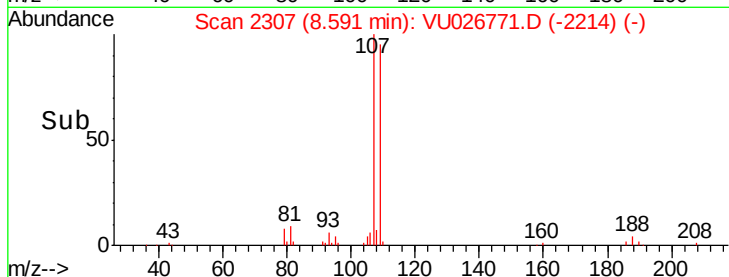
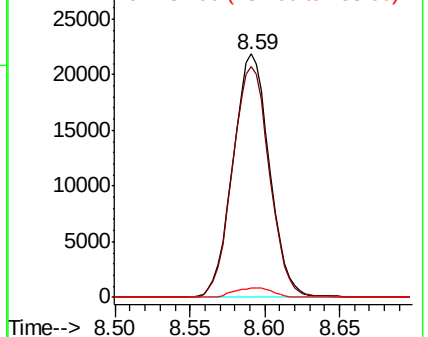
107 100

109 94.8 66.4 123.2

188 3.9 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: 5.593 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

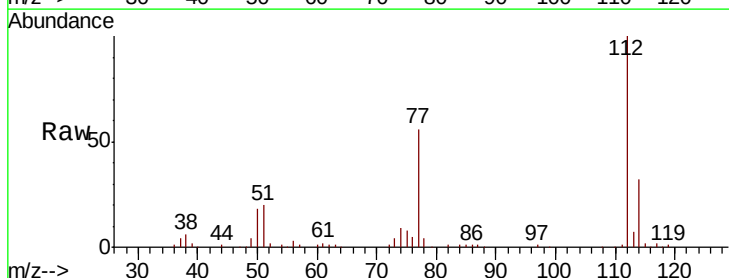
Tgt Ion:112 Resp: 147915

Ion Ratio Lower Upper

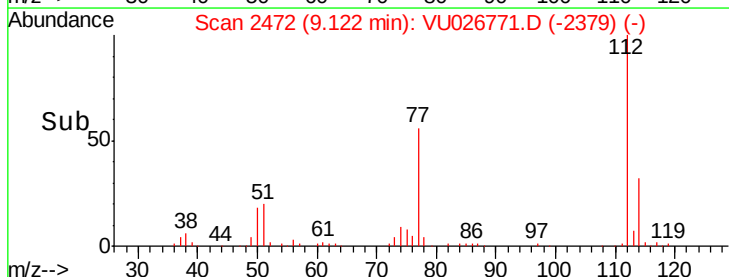
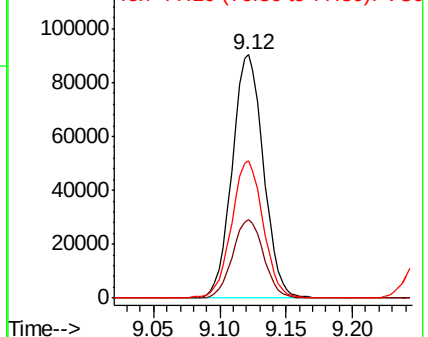
112 100

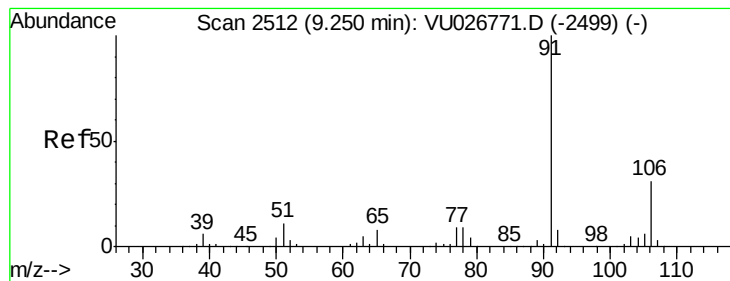
114 32.3 22.6 42.0

77 56.4 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: 5.399 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

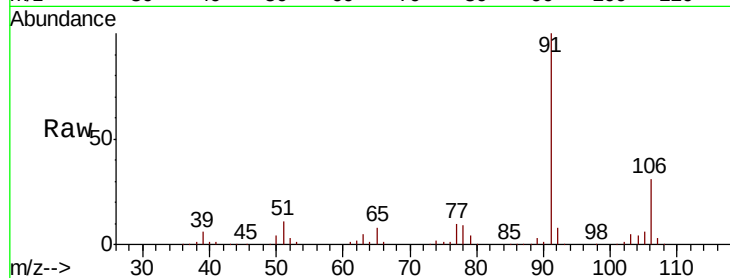
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 229571

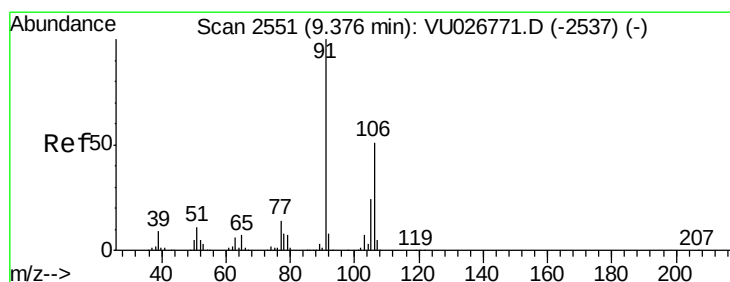
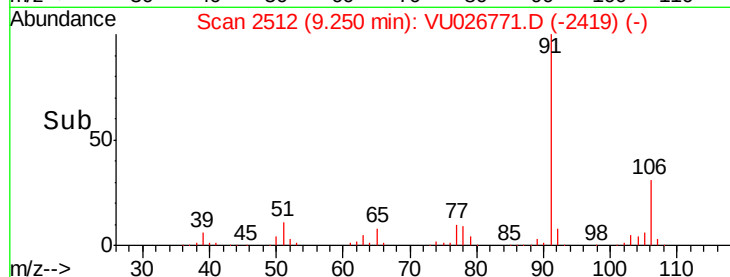
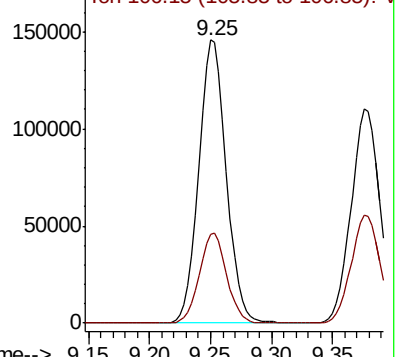
Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VU026771.D (-2499) (-)



#53

m,p-xylene

Concen: 5.780 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026771.D

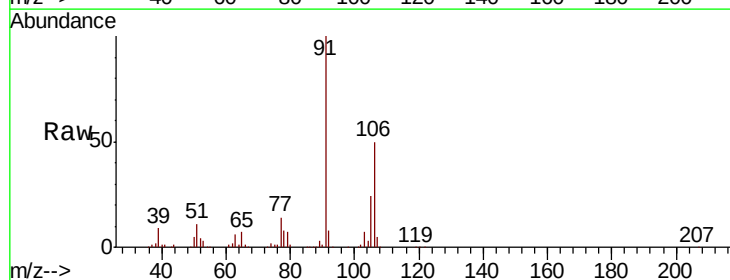
Acq: 15 Sep 2018 11:54

Tgt Ion:106 Resp: 91678

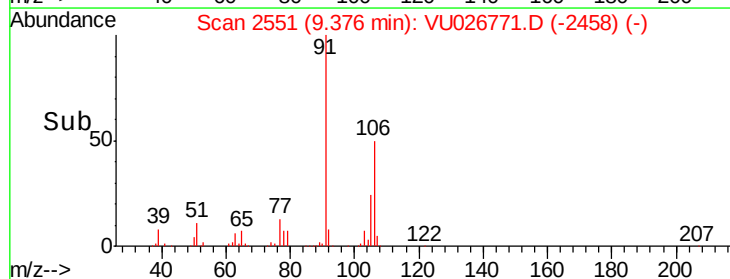
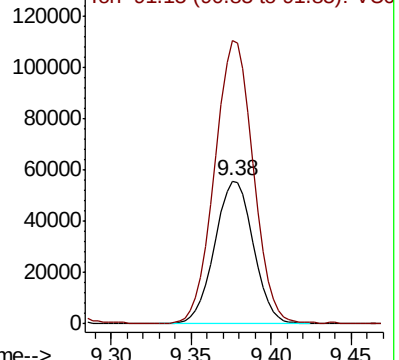
Ion Ratio Lower Upper

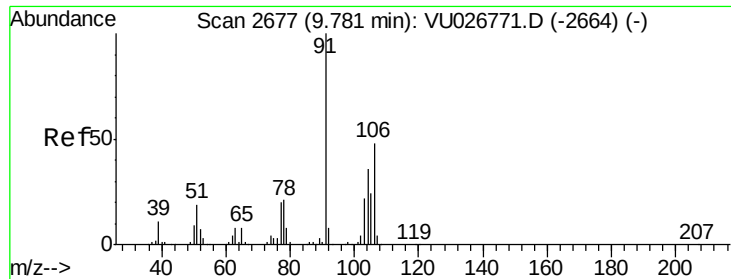
106 100

91 198.4 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026771.D (-2537) (-)





#54

o-xylene

Concen: 5.787 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

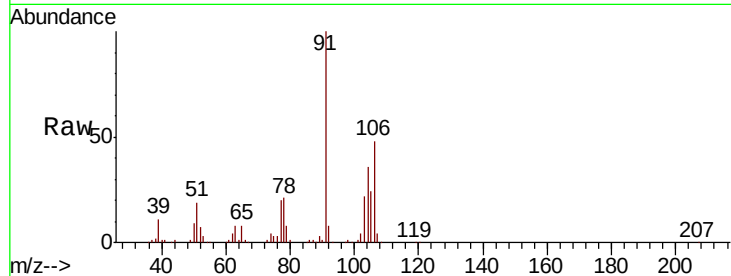
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 86810

Ion Ratio Lower Upper

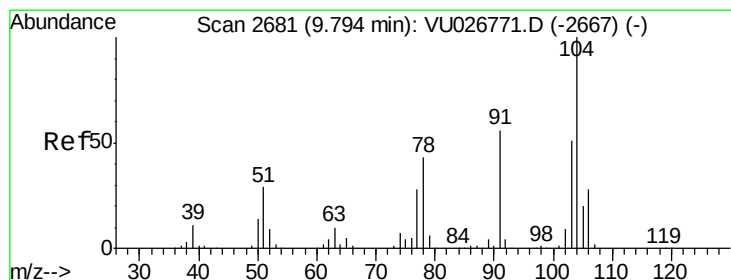
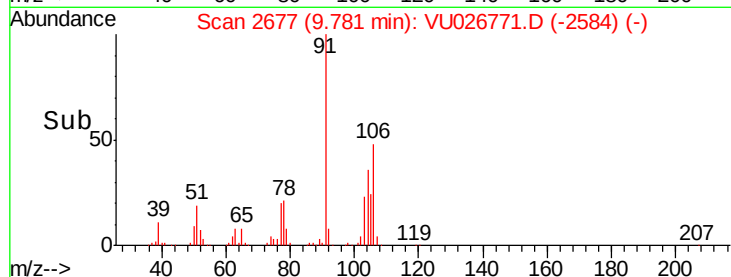
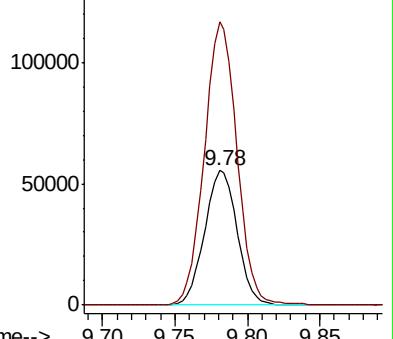
106 100

91 210.1 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 6.051 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026771.D

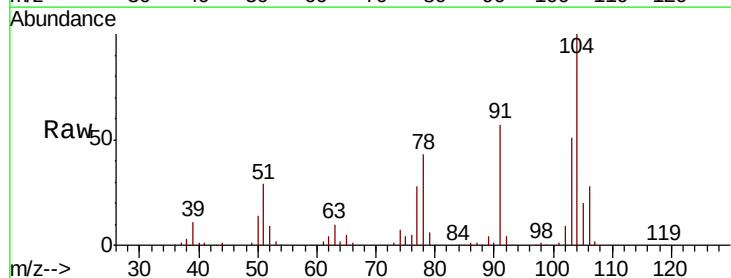
Acq: 15 Sep 2018 11:54

Tgt Ion:104 Resp: 160014

Ion Ratio Lower Upper

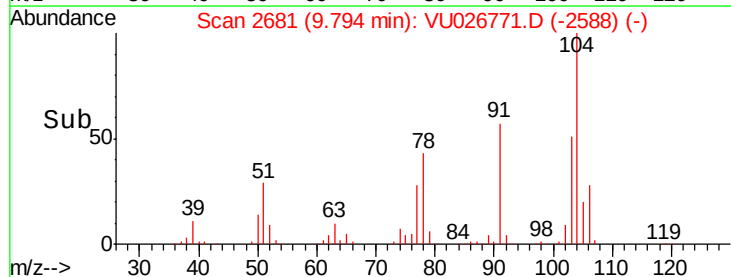
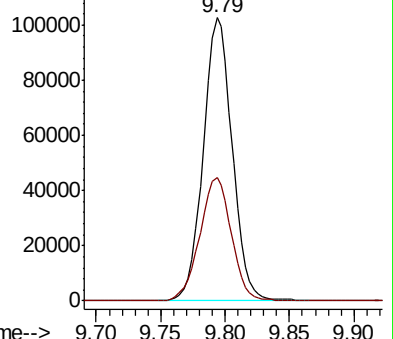
104 100

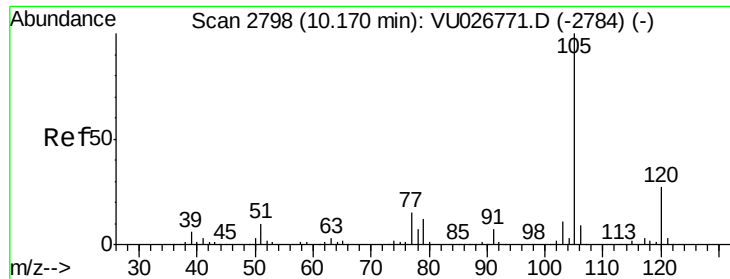
78 43.4 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.646 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

Instrument :

MSVOA_U

ClientSampleId :

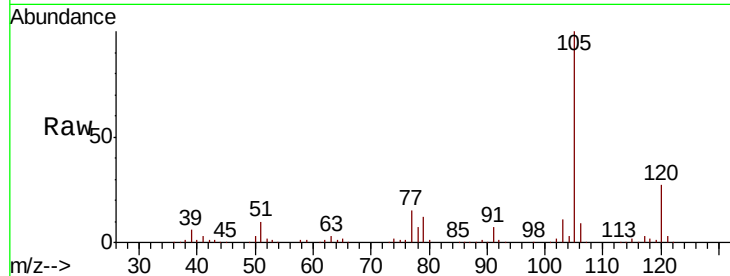
Tot Ion:105 Resp: 224013

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

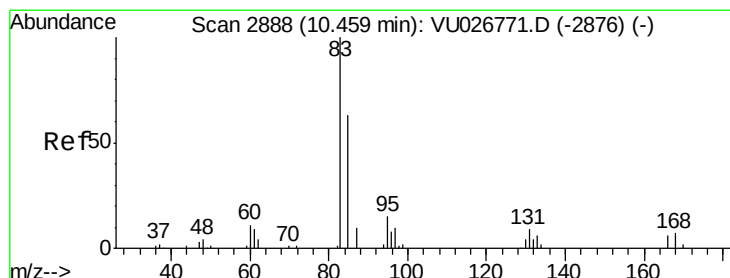
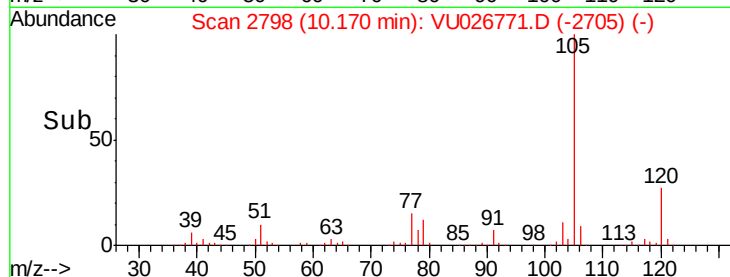
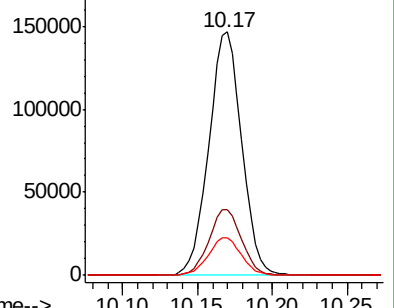
77 15.8 12.6 19.0



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: 5.623 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

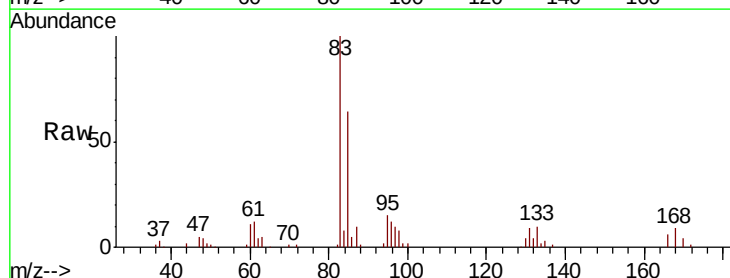
Tgt Ion: 83 Resp: 51129

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

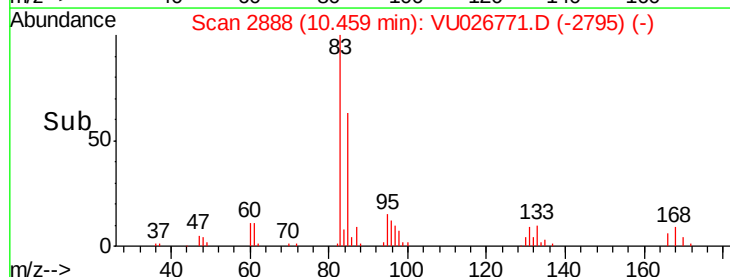
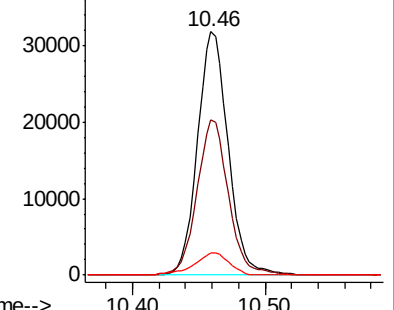
131 9.0 7.2 10.8

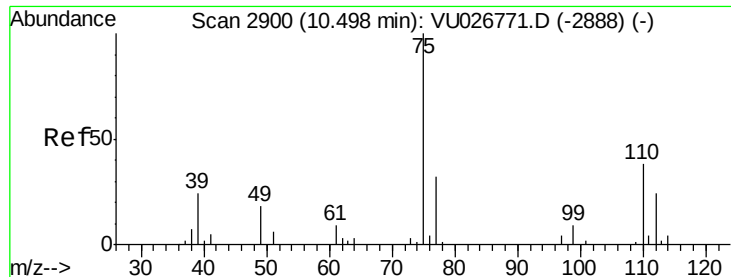


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

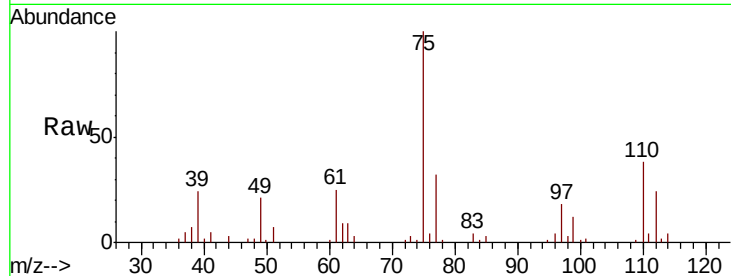




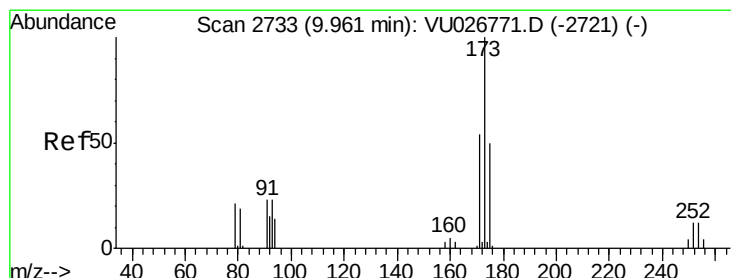
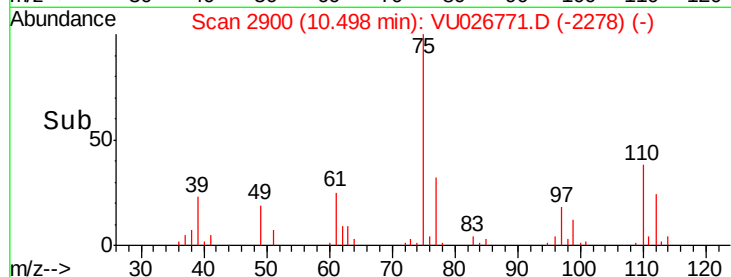
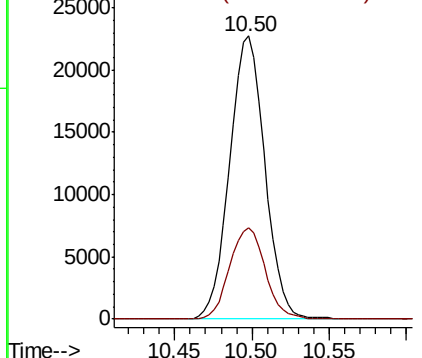
#59
 1,2,3-Trichloropropane
 Concen: 5.617 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 35887
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9

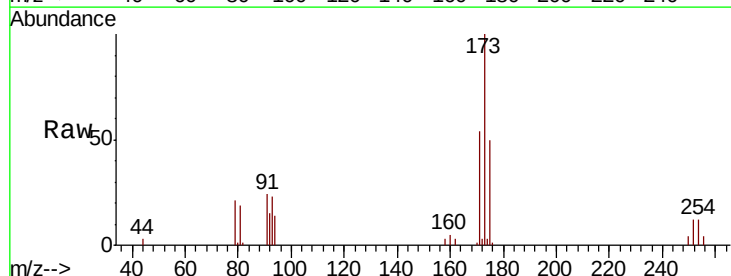


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

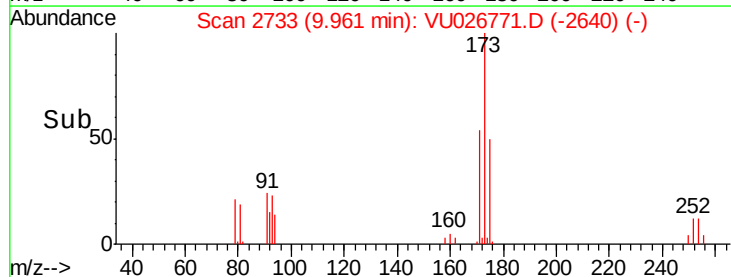
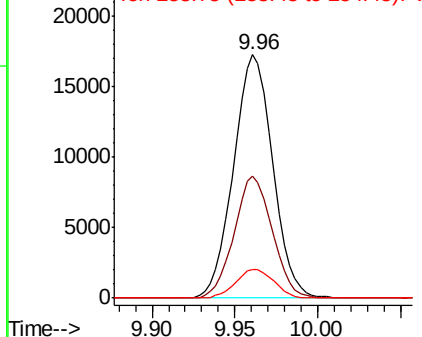


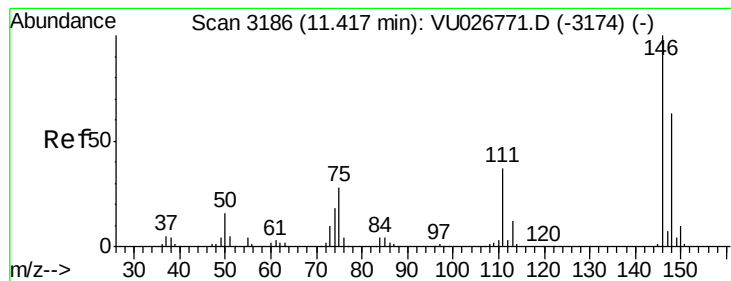
#61
 Bromoform
 Concen: 5.765 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

Tgt Ion:173 Resp: 28456
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 11.4 9.1 13.7



Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 5.508 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

Instrument :

MSVOA_U

ClientSampled :

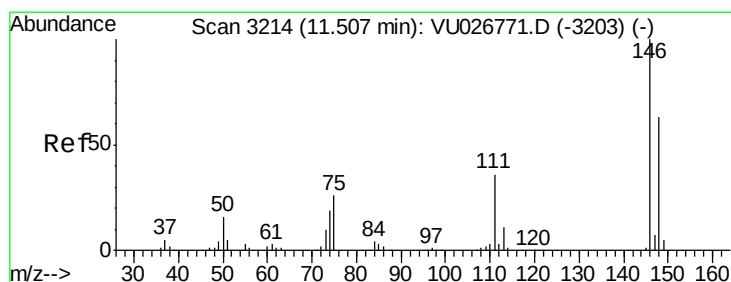
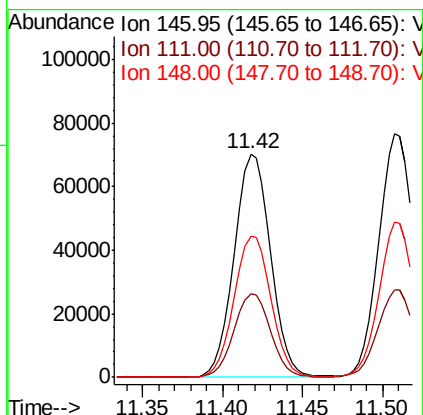
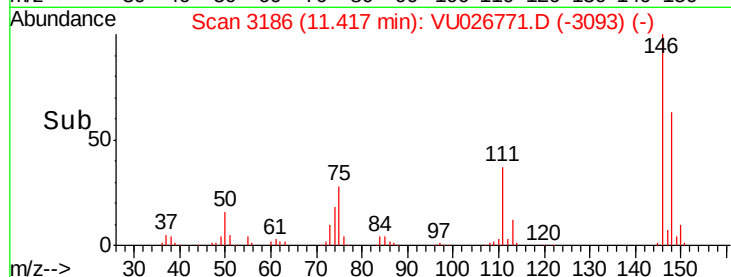
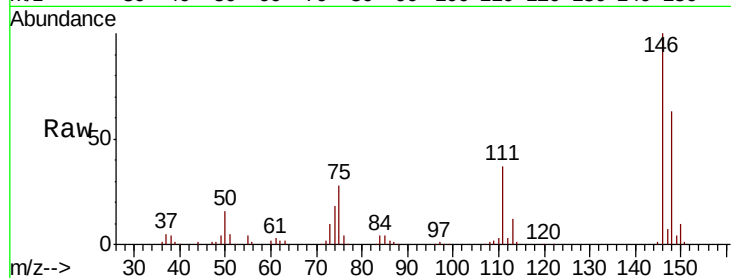
Tot Ion:146 Resp: 108918

Ion Ratio Lower Upper

146 100

111 37.4 26.2 48.6

148 63.4 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 5.732 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

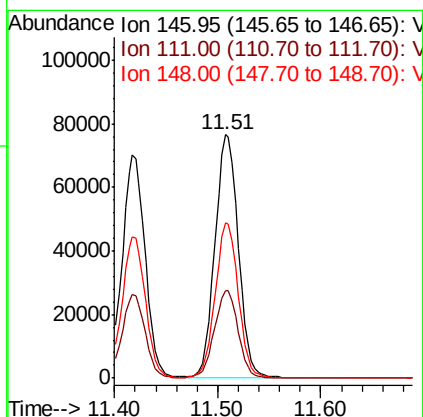
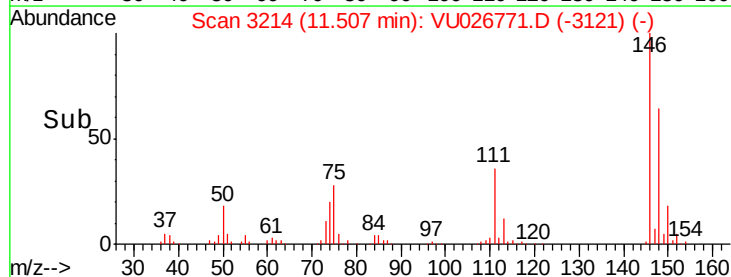
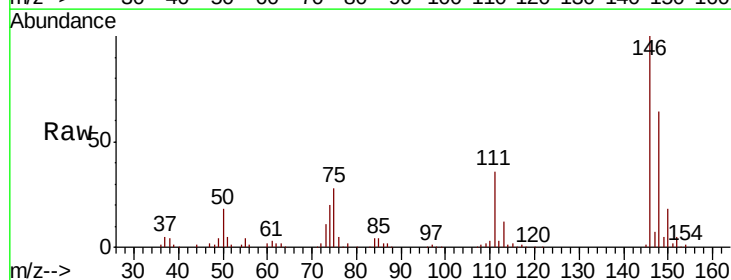
Tgt Ion:146 Resp: 120704

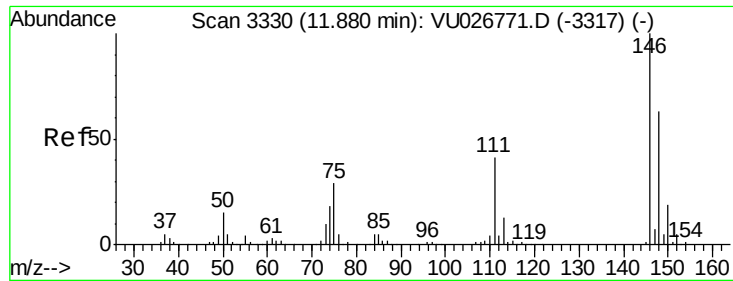
Ion Ratio Lower Upper

146 100

111 36.1 25.3 46.9

148 63.6 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 5.747 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

Instrument :

MSVOA_U

ClientSampled :

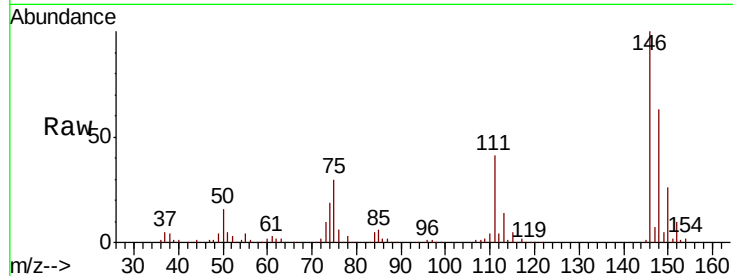
Tot Ion:146 Resp: 113253

Ion Ratio Lower Upper

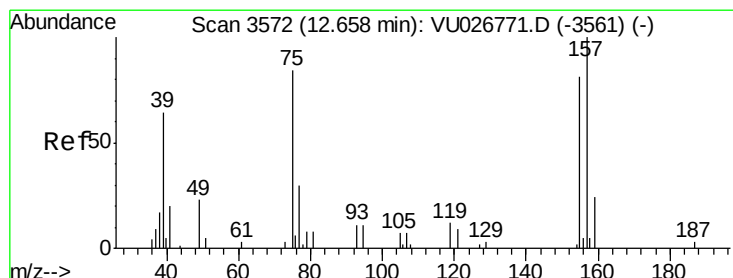
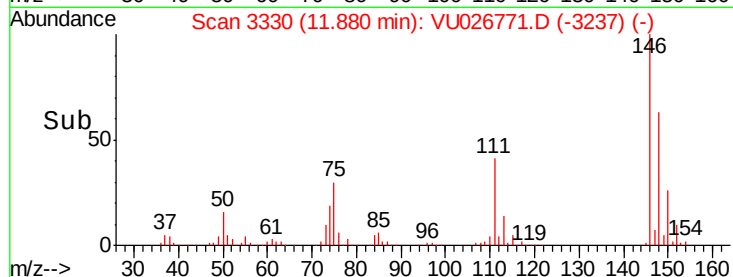
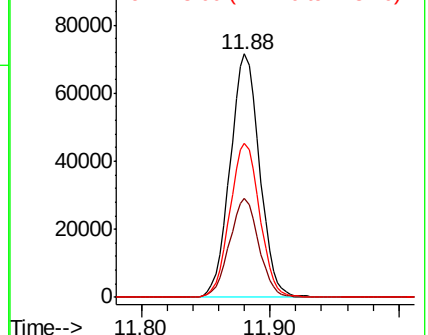
146 100

111 40.6 32.5 48.7

148 63.1 50.5 75.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.626 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

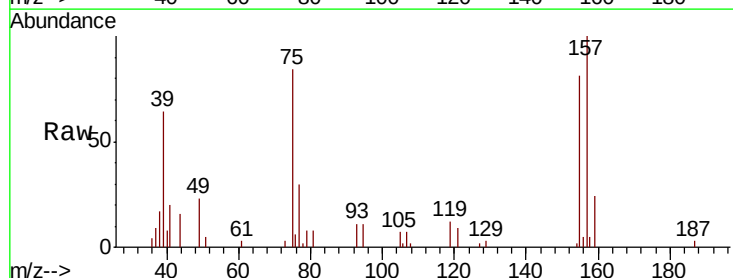
Tgt Ion: 75 Resp: 7294

Ion Ratio Lower Upper

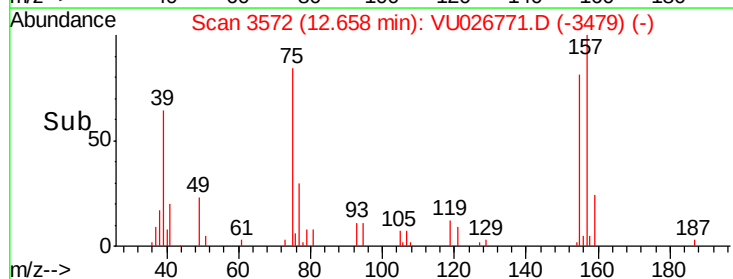
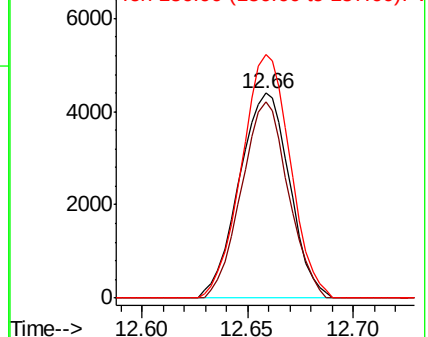
75 100

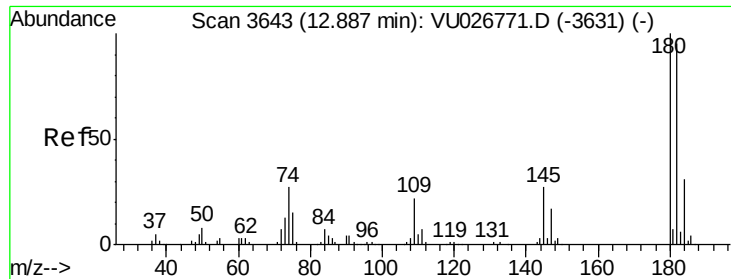
155 95.9 76.7 115.1

157 118.9 95.1 142.7



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 154.95 (154.65 to 155.65): V
Ion 156.90 (156.60 to 157.60): V

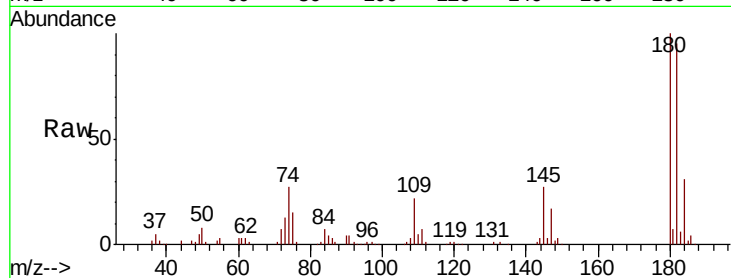




#67
 1,3,5-Trichlorobenzene
 Concen: 5.481 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.7	24.6	36.8
145	26.9	21.5	32.3



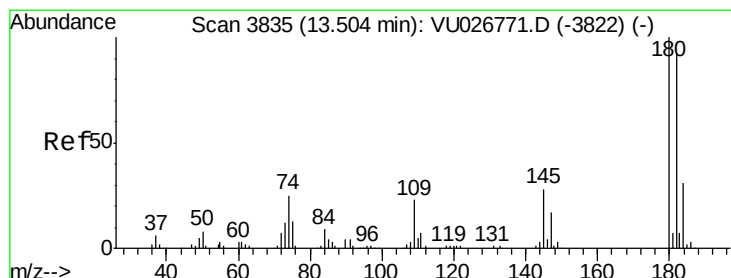
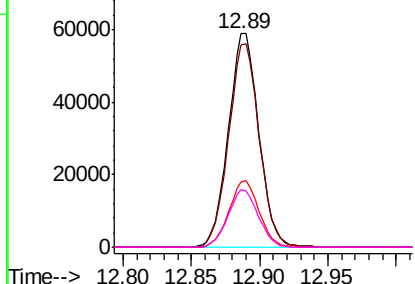
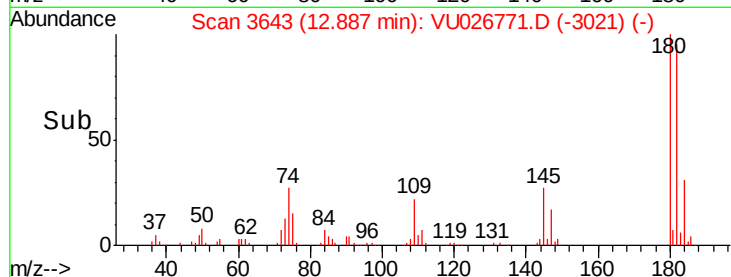
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

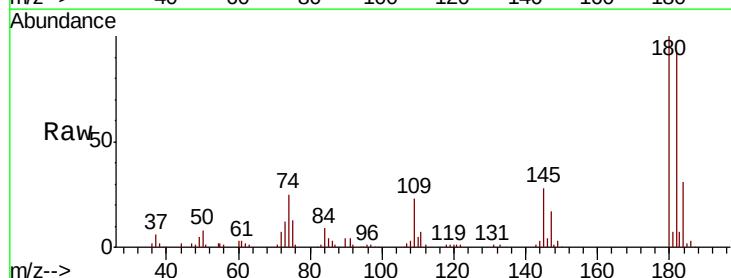
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.500 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026771.D
 Acq: 15 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	74.7	112.1
145	27.9	22.3	33.5

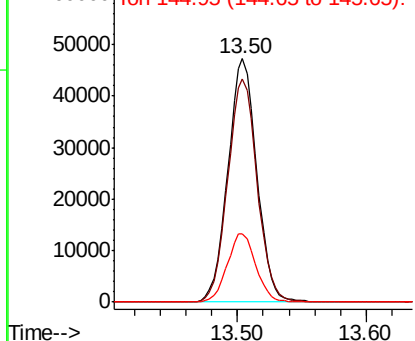
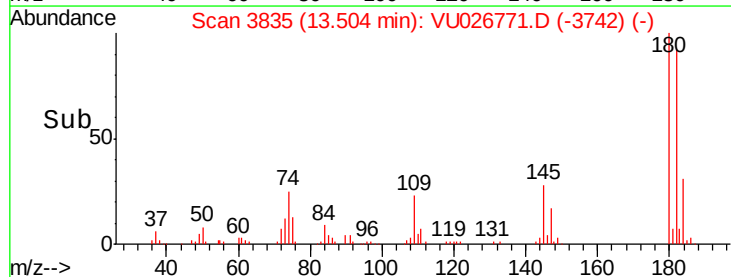


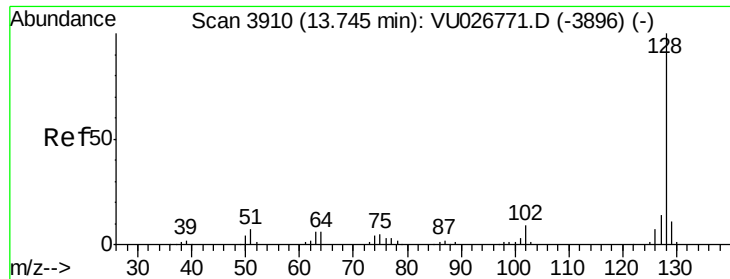
Abundance

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: 5.223 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

Instrument :

MSVOA_U

ClientSampleId :

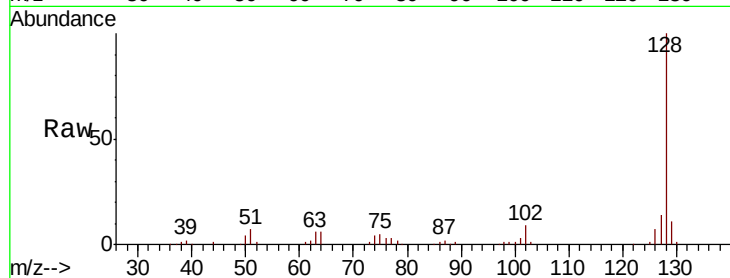
Tot Ion:128 Resp: 104410

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

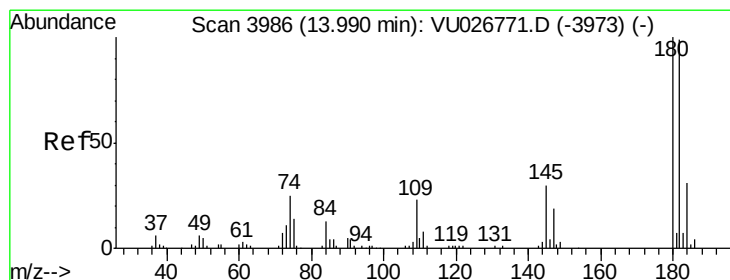
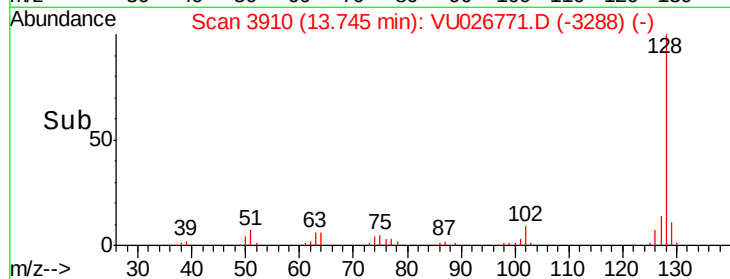
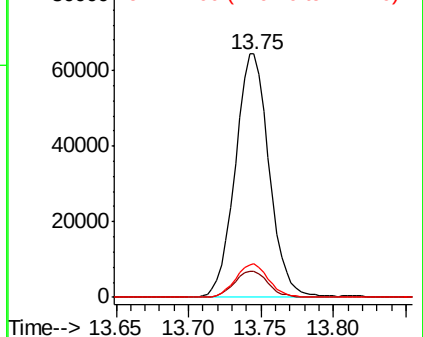
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.932 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026771.D

Acq: 15 Sep 2018 11:54

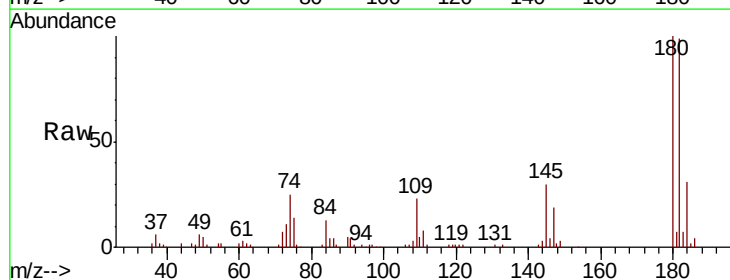
Tgt Ion:180 Resp: 73618

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 29.3 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

